

AUTHOR INDEX

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1990, 102, 1310–1327; **1990**, 29, 1269–1285

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Biogenic Substances in Sediments and Fossils
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Kresze*, G., Maschke, A., **Albrecht, R.**, Bederke, K., Patzschke, H. P., Smalla, H., Trede, A.
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Allgeier, A. M., Mirkin*, C. A.
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- Almenningen, A.**, Bastiansen*, O., Haaland, A., Seip, H. M.
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- Hinterding, K., **Alonso-Díaz, D.**, Waldmann*, H.
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1998, *110*, 716–780; **1998**, *37*, 688–749
- Jacquemain, D., Wolf, S. G., Leveiller, F., Deutsch, M.,
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- Alt*, H. G.**
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- Altman*, S.**
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- Amann*, A.**, Gans*, W.
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- Ames*, B. N.**, Gold, L. S.
Misconceptions on Pollution and the Causes of Cancer
1990, *102*, 1233–1246; **1990**, *29*, 1197–1208
- Kühle*, E., **Anders, B.**, Zumach, G.
Syntheses of Isocyanide Dihalides
1967, *79*, 663–680; **1967**, *6*, 649–665
- Kühle*, E., **Anders, B.**, Klauke, E., Tarnow, H., Zumach, G.
Reactions of Isocyanide Dihalides and Their Derivatives
1969, *81*, 18–32; **1969**, *8*, 20–34
- Anders, E.**, Ruch, E., Ugi*, I.
The Stereoselective Acylation of Racemic Secondary Alcohols
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1973, *85*, 16–20; **1973**, *12*, 25–29
- Murthy, Y. K. S., **Anders*, H.-P.**
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- Pearson*, R. G., **Anderson, M. M.**
Exchange Rates of Ligands in Complex Ions
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On the Description of Complex Inorganic Crystal Structures
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- Andersson*, S.**, Lidin, S., Jacob, M., Terasaki, O.
On the Quasicrystalline State
1991, *103*, 771–775; **1991**, *30*, 754–758
- Wiberg*, E., Stecher, O., **Andrascheck, H. J.**, Kreuzbichler, L.,
Staude, E.
Recent Developments in the Chemistry of Metal Silyls of the Type
 $M(SiR_3)_n$
1963, *75*, 516–524; **1963**, *2*, 507–515
- Noller*, H., **Andréu, P.**, Hunger, Manfred
The Mechanism of Contact Elimination
1971, *83*, 185–194; **1971**, *10*, 172–181
- Andrews*, E. H.**
Structure-Property Relationships in a Polymer
1974, *86*, 151–160; **1974**, *13*, 113–121
- Anfinsen*, C. B.**
Untersuchungen über die Ursachen der Faltung von Proteinket-
ten (Nobel Lecture)
1973, *85*, 1065–1074; –
- Mikami*, K., Terada, M., Korenaga, T., Matsumoto, Y.,
Ueki, M., **Angelaud, R.**
Asymmetric Activation
2000, *112*, 3676–3701; **2000**, *39*, 3532–3556
- Angermund, K.**, Claus, K. H., Goddard, R., Krüger*, C.
High-Resolution X-Ray Crystallography—An Experimental
Method for the Description of Chemical Bonds
1985, *97*, 241–252; **1985**, *24*, 237–247
- Angyal*, S. J.**
The Composition and Conformation of Sugars in Solution
1969, *81*, 172–182; **1969**, *8*, 157–166
- Sauter*, H., Steglich, W., **Anke, T.**
Strobilurins: Evolution of a New Class of Active Substances
1999, *111*, 1416–1438; **1999**, *38*, 1328–1349
- Perreault, D. M., **Anslyn*, E. V.**
Unifying the Current Data on the Mechanism of Cleavage–
Transesterification of RNA
1997, *109*, 470–490; **1997**, *36*, 432–450
- Lavigne, J. J., **Anslyn*, E. V.**
Sensing A Paradigm Shift in the Field of Molecular Recognition:
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2001, *113*, 3212–3225; **2001**, *40*, 3118–3130
- Antonietti*, M.**, Göltner, C. G.
Superstructures of Functional Colloids: Chemistry on the Nano-
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1997, *109*, 944–964; **1997**, *36*, 910–928
- Appel*, R.**
Tertiary Phosphane/Tetrachloromethane, a Versatile Reagent for
Chlorination, Dehydration, and P–N Linkage
1975, *87*, 863–874; **1975**, *14*, 801–811
- Appel*, R.**, Knoll, F., Ruppert, I.
Phospha-alkenes and Phospha-alkynes, Genesis and Properties of
the (p-p) π -Multiple Bond
1981, *93*, 771–784; **1981**, *20*, 731–744
- Appel*, W.**, Biekert, E.
Replacement of Plasma by High Molecular Weight Substances
1968, *80*, 719–725; **1968**, *7*, 702–708
- Bock*, H., Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F.,
Arad, C., Göbel, I., John, A., Meuret, J., Nick, S.,
Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B.
Distorted Molecules: Perturbation Design, Preparation and
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1992, *104*, 564–595; **1992**, *31*, 550–581
- Shibasaki*, M., Sasai, H., **Arai, T.**
Asymmetric Catalysis with Heterobimetallic Compounds
1997, *109*, 1290–1311; **1997**, *36*, 1236–1256
- Arber*, W.**
Restriction Endonucleases
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- Arend, M.**, Westermann, B., Risch*, N.
Modern Variants of the Mannich Reaction
1998, *110*, 1096–1122; **1998**, *37*, 1044–1070
- Arends, I. W. C. E.**, Sheldon*, R. A., Wallau, M.,
Schuchardt*, U.
Oxidative Transformations of Organic Compounds Mediated by
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1997, *109*, 1190–1211; **1997**, *36*, 1144–1163
- Tsutsui*, M., Hancock, M., **Ariyoshi, J.**, Levy, M. N.
 σ - π Rearrangements of Organotransition Metal Compounds
1969, *81*, 453–463; **1969**, *8*, 410–420
- Arlt*, D.**, Jautelat, M., Lantzsich, R.
Synthesis of Pyrethroid Acids
1981, *93*, 719–738; **1981**, *20*, 703–722
- Schmidbaur*, H., **Armer, B.**
Organogold Chemistry
1970, *82*, 120–133; **1970**, *9*, 101–113
- Aroney*, M. J.**
The Electro-Optical Kerr Effect in Conformational Analysis
1977, *89*, 725–736; **1977**, *16*, 663–673

Asinger*, F., Schäfer, W., Halcour, K., Saus, A., Triem, H.
The Course of the Willgerodt–Kindler Reaction of Alkyl Aryl Ketones
1963, 75, 1050–1059; **1964**, 3, 19–28

Asinger*, F., Offermanns, H.
Syntheses with Ketones, Sulfur, and Ammonia or Amines at Room Temperature
1967, 79, 953–965; **1967**, 6, 907–919

Asquith*, R. S., Otterburn, M. S., Sinclair, W. J.
Isopeptide Crosslinks – Their Occurrence and Importance in Protein Structure
1974, 86, 580–587; **1974**, 13, 514–520

Papageorgiou*, V. P., **Assimopoulou, A. N.**, Couladouros, E. A., Hepworth, D., Nicolaou*, K. C.
The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products
1999, 111, 280–311; **1999**, 38, 270–301

Astruc*, D.
Electron-Transfer Chain Catalysis in Organotransition Metal Chemistry
1988, 100, 662–680; **1988**, 27, 643–660

Attygalle, A. B., Morgan*, E. D.
Pheromones in Nanogram Quantities: Structure Determination by Combined Microchemical and Gas Chromatographic Methods
1988, 100, 475–494; **1988**, 27, 460–478

Atwell*, W. H., Weyenberg, D. R.
Divalent Silicon Intermediates
1969, 81, 485–493; **1969**, 8, 469–477

MacGillivray, L. R., **Atwood*, J. L.**
Structural Classification and General Principles for the Design of Spherical Molecular Hosts
1999, 111, 1080–1096; **1999**, 38, 1018–1033

Willner*, H., **Aubke*, F.**
Homoleptic Metal Carbonyl Cations of the Electron-Rich Metals: Their Generation in Superacid Media Together with Their Spectroscopic and Structural Characterization
1997, 109, 2506–2530; **1997**, 36, 2402–2425

Lindner*, E., Schneller, T., **Auer, F.**, Mayer*, H. A.
Chemistry in Interphases—A New Approach to Organometallic Syntheses and Catalysis
1999, 111, 2288–2309; **1999**, 38, 2154–2174

Buda, A. B., **Auf der Heyde, T.**, Mislow*, K.
On Quantifying Chirality
1992, 104, 1012–1031; **1992**, 31, 989–1007

Auf der Heyde*, T.
Determination of Reaction Paths for Pentacoordinate Metal Complexes with the Structure Correlation Method
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Seeliger, W., **Aufderhaar, E.**, Diepers, W., Feinauer, R., Nehring, R., Thier, W., Hellmann*, H.
Recent Syntheses and Reactions of Cyclic Imidic Esters
1966, 78, 913–927; **1966**, 5, 875–888

Aumann*, D. C.
What Do We Know About Nuclear Fission?
1975, 87, 77–97; **1975**, 14, 117–136

Aumann*, R.
Ketenimine Complexes from Carbene Complexes and Isocyanides: Versatile Building Blocks for Carbocycles and N-Heterocycles
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Padwa*, A., **Austin, D. J.**
Ligand Effects on the Chemoselectivity of Transition Metal Catalyzed Reactions of α -Diazo Carbonyl Compounds
1994, 106, 1881–1899; **1994**, 33, 1797–1815

Auwärter*, M.
Reactions between Metal Atoms and Gases during the Production of Thin Films in High Vacuum
1975, 87, 227–232; **1975**, 14, 207–211

Seiler*, F. R., Gronski, P., Kurrle, R., Lüben, G., Harthus, H.-P., **Ax, W.**, Bosslet, K., Schwick, H.-G.
Monoclonal Antibodies: Their Chemistry, Functions, and Possible Uses
1985, 97, 141–163; **1985**, 24, 139–160

Axelrod*, J.
Noradrenalin: Abbau und Regulation seiner Biosynthese (Nobel Lecture)
1971, 83, 827–837; –



Bach, H., Pfeil*, E., Philippar, W., Reich, M.
Molekülbau und Haftung substantiver Farbstoffe auf Cellulose
1963, 75, 407–416; –

Drawert*, F., **Bachmann, O.**
Modern Methods for the Separation and Continuous Measurement in the Gas Phase of Compounds Labelled with Radiocarbon
1963, 75, 717–722; **1963**, 2, 540–545

Simon*, H., **Bader, J.**, Günther, H., Neumann, S., Thanos, J.
Chiral Compounds Synthesized by Biocatalytic Reductions
1985, 97, 541–555; **1985**, 24, 539–553

Bader*, R. F. W., Popelier, P. L. A., Keith, T. A.
Theoretical Definition of a Functional Group and the Molecular Orbital Paradigm
1994, 106, 647–659; **1994**, 33, 620–631

Baganz*, H., Domaschke, L.
Synthesen mit Di- α -halogenäthern
1962, 74, 144–150; –

Baguley, P. A., Walton*, J. C.
Flight from the Tyranny of Tin: The Quest for Practical Radical Sources Free from Metal Encumbrances
1998, 110, 3272–3283; **1998**, 37, 3072–3082

Schimmelschmidt*, K., Hoffmann, H., **Baier, E.**
Polycondensation Dyes
1962, 74, 975–977; **1963**, 2, 30–31

Sharma*, B. P., **Bailey, L. F.**, Messing, R. A.
Immobilized Biomaterials—Techniques and Applications
1982, 94, 836–852; **1982**, 21, 837–854

Kraft*, P., **Bajgrowicz, J. A.**, Denis, C., Fráter, G.
Odds and Trends: Recent Developments in the Chemistry of Odorants
2000, 112, 3106–3138; **2000**, 39, 2980–3010

Baldus, H.-P., Jansen*, M.
Novel High-Performance Ceramics—Amorphous Inorganic Networks from Molecular Precursors
1997, 109, 338–354; **1997**, 36, 328–343

Balkenhohl*, F., von dem Bussche-Hünnefeld, C., Lansky, A., Zechel, C.
Combinatorial Synthesis of Small Organic Molecules
1996, 108, 2436–2487; **1996**, 35, 2288–2337

Ballauff*, M.
Stiff-Chain Polymers—Structure, Phase Behavior, and Properties
1989, 101, 261–276; **1989**, 28, 253–267

Hünig*, S., **Balli, H.**, Breiter, E., Brühne, F., Geiger, H., Grigat, E., Müller, F., Quast, H.
Heterocyclic Azo Dyes by Oxidative Coupling
1962, 74, 818–824; **1962**, 1, 640–646

Ballschmiter*, K.

Transport and Fate of Organic Compounds in the Global Environment

1992, *104*, 501–528; **1992**, *31*, 487–515

Balzani*, V., Credi, A., Raymo, F. M., Stoddart*, J. F.

Artificial Molecular Machines

2000, *112*, 3484–3530; **2000**, *39*, 3348–3391

Lehmann*, G., **Bambauer, H. U.**

Quartz Crystals and Their Colors

1973, *85*, 281–289; **1973**, *12*, 283–291

Dimroth*, K., Berndt, A., **Bär, F.**, Schweig, A., Volland, R.

Spin Density Distribution in 2,4,6-Triphenylphenoxy

1967, *79*, 69–76; **1967**, *6*, 34–40

Nicolaou*, K. C., Vourloumis, D., Winssinger, N., **Baran, P. S.**

The Art and Science of Total Synthesis at the Dawn of the Twenty-First Century

2000, *112*, 46–126; **2000**, *39*, 44–122

Williams*, D. H., **Bardsley, B.**

The Vancomycin Group of Antibiotics and the Fight against Resistant Bacteria

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Barker*, B. J., Rosenfarb, J., Caruso, J. A.

Ureas as Solvents for Chemical Investigations

1979, *91*, 560–564; **1979**, *18*, 503–507

Nicolaou*, K. C., Gasič, G. P., **Barnette, W. E.**

Synthesis and Biological Properties of Prostaglandin Endoperoxides, Thromboxanes, and Prostacyclins

1978, *90*, 360–379; **1978**, *17*, 293–312

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Conductance of Electrolyte Solutions

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The Oxidizing Properties of the Third Transition Series Hexafluorides and Related Compounds

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Prostacyclin and Synthetic Analogues

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Barton*, D. H. R.

Die Prinzipien der Konformationsanalyse (Nobel Lecture)

1970, *82*, 827–834; –

Holmlin, R. E., Dandliker, P. J., **Barton*, J. K.**

Charge Transfer through the DNA Base Stack

1997, *109*, 2830–2848; **1997**, *36*, 2714–2730

Moerner*, W. E., **Basché*, T.**

Optical Spectroscopy of Single Impurity Molecules in Solids

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Günther*, H., Moskau, D., **Bast, P.**, Schmalz, D.

Modern NMR Spectroscopy of Organolithium Compounds

1987, *99*, 1242–1250; **1987**, *26*, 1212–1220

Almenningen, A., **Bastiansen*, O.**, Haaland, A., Seip, H. M.

Structure Determination of Free Molecules by Electron Diffraction

1965, *77*, 877–888; **1965**, *4*, 819–829

Tsumuraya, T., **Batcheller, S. A.**, Masamune*, S.

Strained-Ring and Double-Bond Systems Consisting of Frameworks of the Group 14 Elements Si, Ge, and Sn

1991, *103*, 916–944; **1991**, *30*, 902–930

Masamune*, S., **Bates, G. S.**, Corcoran, J. W.

Macrolides. Recent Progress in Chemistry and Biochemistry

1977, *89*, 602–624; **1977**, *16*, 585–607

Batey, R. T., Rambo, R. P., Doudna*, J. A.

Tertiary Motifs in RNA Structure and Folding

1999, *111*, 2472–2491; **1999**, *38*, 2326–2343

Batten, S. R., Robson*, R.

Interpenetrating Nets: Ordered, Periodic Entanglement

1998, *110*, 1558–1595; **1998**, *37*, 1460–1494

Blanche, F., Cameron, B., Cronzet, J., Debussche, L., Thibaut, D.,

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Vitamin B₁₂: How the Problem of Its Biosynthesis Was Solved

1995, *107*, 421–452; **1995**, *34*, 383–411

Baudler*, M.

Chain and Ring Phosphorus Compounds—Analogies between Phosphorus and Carbon Chemistry

1982, *94*, 520–539; **1982**, *21*, 492–512

Polyphosphorus Compounds—New results and Perspectives

1987, *99*, 429–451; **1987**, *26*, 419–441

Buddrus*, J., **Bauer, H.**

Directed Identification of the Carbon Skeleton of Organic Compounds using Double Quantum Coherence ¹³C-NMR Spectroscopy. The INADEQUATE Pulse Sequence

1987, *99*, 642–659; **1987**, *26*, 625–642

Ugi*, I., **Bauer, J.**, Brandt, J., Friedrich, J., Gasteiger, J.,

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New Applications of Computers in Chemistry

1979, *91*, 99–111; **1979**, *18*, 111–123

Ugi*, I., **Bauer, J.**, Bley, K., Dengler, A., Dietz, A., Fontain, E.,

Gruber, B., Herges, R., Knauer, M., Reitsam, K., Stein, N.

Computer-Assisted Solution of Chemical Problems—The Historical Development and the Present State of the Art of a New Discipline of Chemistry

1993, *105*, 210–239; **1993**, *32*, 201–227

Bauer*, L., Exner, O.

The Chemistry of Hydroxamic Acids and *N*-Hydroxyimides

1974, *86*, 419–428; **1974**, *13*, 376–384

Baumann, H., Bühler, M., Fochem, H., Hirsinger, F.,

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Natural Fats and Oils—Renewable Raw Materials for the

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1988, *100*, 41–62; **1988**, *27*, 41–62

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Proton-Addition Complexes of Aromatic Hydrocarbons

1964, *76*, 965–972; **1964**, *3*, 776–783

Bayer*, E.

Structure and Specificity of Organic Chelating Agents

1964, *76*, 76–83; **1964**, *3*, 325–332

Complex Formation and Flower Colors

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Towards the Chemical Synthesis of Proteins

1991, *103*, 117–133; **1991**, *30*, 113–129

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Direct Synthesis of Organohalogenosilanes

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Biosynthetic Studies on Antibiotics

1989, *101*, 147–179; **1989**, *28*, 146–174

Bear, B. R., Sparks, S. M., Shea*, K. J.

The Type 2 Intramolecular Diels–Alder Reaction: Synthesis and Chemistry of Bridgehead Alkenes

2001, *113*, 864–894; **2001**, *40*, 820–849

Beattie*, I. R.

A Critical Appraisal of the Experimental Data on the

Molecular Structure and Spectra of Halides, Oxides, and Hydrides of the s-, d-, and f-Block Elements

1999, *111*, 3494–3507; **1999**, *38*, 3294–3306

Becher*, H. J.

Vibration-Spectroscopic Studies on Solid Compounds

1972, *84*, 8–16; **1972**, *11*, 26–33

- Wallenfels*, K., **Bechtler, G.**, Kuhn, R., Trischmann, H., Egge, H. Permethylolation of Oligomeric and Polymeric Carbohydrates and Quantitative Analysis of the Cleavage Products **1963**, 75, 1014–1022; **1963**, 2, 515–523
- Seebach*, D., **Beck, A. K.**, Heckel, A. TADDOLs, Their Derivatives, and TADDOL Analogues: Versatile Chiral Auxiliaries **2001**, 113, 96–142; **2001**, 40, 92–138
- Beck*, F.**
Cathodic Dimerization **1972**, 84, 798–819; **1972**, 11, 760–781
- Bartmann*, W., **Beck, G.**
Prostacyclin and Synthetic Analogues **1982**, 94, 767–780; **1982**, 21, 751–764
- Beck*, J.**, Strähle, J.
The Pentazadienide Ion as a Ligand in Metal Complexes **1988**, 100, 927–932; **1988**, 27, 896–901
- Beck*, J.**
New Forms and Functions of Tellurium: From Polycations to Metal Halide Tellurides **1994**, 106, 172–182; **1994**, 33, 163–172
- Engelhardt*, H., **Beck, W.**, Kohr, J., Schmitt, T.
Capillary Electrophoresis: Methods and Scope **1993**, 105, 659–680; **1993**, 32, 629–649
- Beck*, W.**, Niemer, B., Wieser, M.
Methods for the Synthesis of μ -Hydrocarbon Transition Metal Complexes without Metal–Metal Bonds **1993**, 105, 969–996; **1993**, 32, 923–949
- Severin, K., Bergs, R., **Beck*, W.**
Bioorganometallic Chemistry–Transition Metal Complexes with α -Amino Acids and Peptides **1998**, 110, 1722–1743; **1998**, 37, 1634–1654
- Jung*, G., **Beck-Sickinger, A. G.**
Multiple Peptide Synthesis Methods and Their Applications **1992**, 104, 375–391; **1992**, 31, 367–383
- Becke-Goehring*, M.**, Fluck, E.
Phosphonitric Chlorides from Phosphorus Pentachloride **1962**, 74, 382–386; **1962**, 1, 281–285
- Walter, S., Nitschke, E., Bode, C., **Becker*, E. W.**, Hübener, R. P., Kessler, R. W., Schindewolf, U.
Enrichment of Heavy Water by High Pressure Exchange between Hydrogen and an Aqueous Catalyst Suspension *Chem.-Ing.-Tech.* **1962**, 34, 7–10; **1962**, 1, 21–24
- Becker*, E. W.**, Bier, K., Bier, W., Schütte, R., Seidel, D.
Separation of the Isotopes of Uranium by the Separation Nozzle Process *Chem.-Ing.-Tech.* **1967**, 39, 1–7, 80–84; **1967**, 6, 507–518
- Zinsmeister*, H. D., **Becker, H.**, Eicher, T.
Bryophytes, a Source of Biologically Active, Naturally Occurring Material? **1991**, 103, 134–151; **1991**, 30, 130–147
- Becker*, J. A.**
Molecular Beam Studies on Semiconductor Clusters: Polarizabilities and Chemical Bonding **1997**, 109, 1458–1473; **1997**, 36, 1390–1404
- Kutscher*, B., Bernd, M., **Beckers, T.**, Polymeropoulos, E. E., Engel, J. (Frankfurt)
Chemistry and Molecular Biology in the Search for New LHRH Antagonists **1997**, 109, 2240–2254; **1997**, 36, 2148–2161
- Beckey*, H. D.**
Determination of the Structures of Organic Molecules and Quantitative Analyses with the Field Ionization Mass Spectrometer **1969**, 81, 662–679; **1969**, 8, 623–639
- Beckey*, H. D.**, Schulten, H.-R.
Field Desorption Mass Spectrometry **1975**, 87, 425–438; **1975**, 14, 403–415
- Rüchardt*, C., **Beckhaus, H.-D.**
Towards an Understanding of the Carbon–Carbon Bond **1980**, 92, 417–429; **1980**, 19, 429–440
Consequences of Strain for the Structure of Aliphatic Molecules **1985**, 97, 531–540; **1985**, 24, 529–538
- Beckhaus*, R.**
Carbenoid Complexes of Electron-Deficient Transition Metals—Syntheses of and with Short-Lived Building Blocks **1997**, 109, 694–722; **1997**, 36, 686–713
- Beckmann*, K. H.**
Methods and Results of Optical Investigations on Semiconductor Interfaces **1968**, 80, 213–224; **1968**, 7, 161–171
- Kresze*, G., Maschke, A., Albrecht, R., **Bederke, K.**, Patzschke, H. P., Smalla, H., Trede, A.
Organic *N*-Sulfinyl Compounds **1962**, 74, 135–144; **1962**, 1, 89–98
- Beer*, P. D.**, Gale*, P. A.
Anion Recognition and Sensing: The State of the Art and Future Perspectives **2001**, 113, 502–532; **2001**, 40, 486–516
- Behr*, A.**
Carbon Dioxide as an Alternative C_1 Synthetic Unit: Activation by Transition-Metal Complexes **1988**, 100, 681–698; **1988**, 27, 661–678
- Hartmann*, G. R., **Behr, W.**, Beissner, K.-A., Honikel, K., Sippel, A.
Antibiotics as Inhibitors of Nucleic Acid and Protein Synthesis **1968**, 80, 710–718; **1968**, 7, 693–701
- Beier*, F.-K.**
Problems of Economic Exploitation of Basic Research Findings (Discoveries, Inventions, Patents, Licenses) **1982**, 94, 109–117; **1982**, 21, 109–116
- Tietze*, L. F., **Beifuss, U.**
Sequential Transformations in Organic Chemistry: A Synthetic Strategy with a Future **1993**, 105, 137–170; **1993**, 32, 131–163
- Hartmann*, G. R., Behr, W., **Beissner, K.-A.**, Honikel, K., Sippel, A.
Antibiotics as Inhibitors of Nucleic Acid and Protein Synthesis **1968**, 80, 710–718; **1968**, 7, 693–701
- Goldfarb*, J. L., Volkenstein, J. B., **Belenkij, L. I.**
Modification of the Orientation of Substitution Reactions on Thiophene and Furan Derivatives **1968**, 80, 547–557; **1968**, 7, 519–529
- Obe, G., Sperling, K., **Belitz*, H. J.**
Some Aspects of Chemical Mutagenesis in Man and in *Drosophila* **1971**, 83, 301–314; **1971**, 10, 302–314
- Beller*, M.**, Eckert, M.
Amidocarbonylation—An Efficient Route to Amino Acid Derivatives **2000**, 112, 1026–1044; **2000**, 39, 1010–1027
- Belluš*, D.**, Ernst*, B.
Cyclobutanones and Cyclobutenones in Nature and in Synthesis **1988**, 100, 820–850; **1988**, 27, 797–827
- Ramos Tombo*, G. M., **Belluš*, D.**
Chirality and Crop Protection **1991**, 103, 1219–1241; **1991**, 30, 1193–1215
- Yamazaki, T., **Benedetti, E.**, Kent, D., Goodman*, M.
Conformational Requirements for Sweet-Tasting Peptides and Peptidomimetics **1994**, 106, 1502–1517; **1994**, 33, 1437–1451

- Benn*, R., Günther*, H.**
Modern Pulse Methods in High-Resolution NMR spectroscopy
1983, 95, 381–411; **1983**, 22, 350–380
- Benn*, R., Ruffńska, A.**
High-Resolution Metal-NMR Spectroscopy of Organometallic Compounds
1986, 98, 851–871; **1986**, 25, 861–881
- Bennett*, M. A., Schwemlein*, H. P.**
Metal Complexes of Small Cycloalkynes and Arynes
1989, 101, 1349–1373; **1989**, 28, 1296–1320
- Benninghoven*, A.**
Chemical Analysis of Inorganic and Organic Surfaces and Thin Films by Static Time-of-Flight Secondary Ion Mass Spectrometry (TOF-SIMS)
1994, 106, 1075–1096; **1994**, 33, 1023–1043
- Golden, D. M., Spokes, G. N., **Benson*, S. W.**
Very Low-Pressure Pyrolysis (VLPP); A Versatile Kinetic Tool
1973, 85, 602–614; **1973**, 12, 534–546
- Benson*, S. W.**
Electrostatics, the Chemical Bond, and Molecular Stability
1978, 90, 868–875; **1978**, 17, 812–819
- Thumm*, O., **Benz, J.**
Reactivity of Dichloro- and Trichloropyrimidyl Dyes and the Sensitivity of their Dyeings to Hydrolysis
1962, 74, 712–716; **1962**, 1, 568–572 (656)
- Zimmermann*, U., Scheurich, P., Pilwat, G., **Benz, R.**
Cells with Manipulated Functions: New Perspectives for Cell Biology, Medicine, and Technology
1981, 93, 332–351; **1981**, 20, 325–344
- Stahl*, S. S., Labinger, J. A., **Bercaw, J. E.**
Homogeneous Oxidation of Alkanes by Electrophilic Late Transition Metals
1998, 110, 2298–2311; **1998**, 37, 2180–2192
- Kastning*, E.-G., Naarmann, H., Reis, H., **Berding, C.**
Metal Chelates as Polymerization Initiators
1965, 77, 313–318; **1965**, 4, 322–327
- van Gunsteren*, W. F., **Berendsen, H. J. C.**
Computer Simulation of Molecular Dynamics: Methodology, Applications, and Perspectives in Chemistry
1990, 102, 1020–1055; **1990**, 29, 992–1023
- Berg*, P.**
Zerlegung und Rekonstruktion von Genen und Chromosomen (Nobel Lecture)
1981, 93, 885–893; –
- Shemyakin*, M. M., **Bergelson, L. D.**
Syntheses of Naturally Occurring Unsaturated Fatty Acids by Sterically Controlled Carbonyl Olefination
1964, 76, 113–123; **1964**, 3, 250–260
- Cymerman Craig*, J., **Bergenthal, M. D.**, Fleming, I., Harley-Mason, J.
Synthesis of Alkynes from Enol Esters
1969, 81, 437–446; **1969**, 8, 429–437
- Breitmaier*, E., Spohn, K.-H., **Berger, S.**
¹³C Spin-Lattice Relaxation Times and the Mobility of Organic Molecules in Solution
1975, 87, 152–168; **1975**, 14, 144–159
- Bergerhoff*, G.**
Metallo-Complexes
1964, 76, 697–704; **1964**, 3, 686–692 (812)
- Bergmann, D., Hinze*, J.**
Electronegativity and Molecular Properties
1996, 108, 162–176 (849); **1996**, 35, 150–163 (781)
- Pestemer*, M., **Bergmann, G.**, Perkampus, H.-H., Schrader, B.
A Code for the Classification of the Ultraviolet Spectra of Organic Compounds
1965, 77, 541–543; **1965**, 4, 516–518
- Severin, K., **Bergs, R.**, Beck*, W.
Bioorganometallic Chemistry—Transition Metal Complexes with α -Amino Acids and Peptides
1998, 110, 1722–1743; **1998**, 37, 1634–1654
- Bergström*, S.**
The Prostaglandins: From the Laboratory to the Clinic (Nobel Lecture)
1983, 95, 865–873; **1983**, 22, 858–866
- Addadi*, L., **Berkovitch-Yellin, Z.**, Weissbuch, I., van Mil, J., Shimon, L. J. W., Lahav*, M., Leiserowitz*, L.
Growth and Dissolution of Organic Crystals with “Tailor-Made” Inhibitors—Implications in Stereochemistry and Materials Science
1985, 97, 476–496; **1985**, 24, 466–485
- Pratviel, G., **Bernadou*, J.**, Meunier*, B.
Carbon–Hydrogen Bonds of DNA Sugar Units as Targets for Chemical Nucleases and Drugs
1995, 107, 819–845; **1995**, 34, 746–769
- Kutscher*, B., **Bernd, M.**, Beckers, T., Polymeropoulos, E. E., Engel, J. (Frankfurt)
Chemistry and Molecular Biology in the Search for New LHRH Antagonists
1997, 109, 2240–2254; **1997**, 36, 2148–2161
- Dimroth*, K., **Berndt, A.**, Bär, F., Schweig, A., Volland, R.
Spin Density Distribution in 2,4,6-Triphenylphenoxy
1967, 79, 69–76; **1967**, 6, 34–40
- Berndt*, A.**
Classical and Nonclassical Methyleneboranes
1993, 105, 1034–1058; **1993**, 32, 985–1009
- Berndt*, J.**
Repair Processes on Deoxyribonucleic Acid
1973, 85, 289–299; **1973**, 12, 264–273
- Bernhauer*, K.**, Müller, O., Wagner, F.
New Chemical and Biochemical Developments in the Vitamin B₁₂ Field
1963, 75, 1145–1156; **1964**, 3, 200–211
- Bernstein*, J.**, Davis*, R. E., Shimoni, L., Chang, N.-L.
Patterns in Hydrogen Bonding: Functionality and Graph Set Analysis in Crystals
1995, 107, 1689–1708; **1995**, 34, 1555–1573
- Bernstein*, J.**, Davey, R. J., Henck, J.-O.
Concomitant Polymorphs
1999, 111, 3646–3669; **1999**, 38, 3440–3461
- Berrisford, D. J.**, Bolm, C., Sharpless*, K. B.
Ligand-Accelerated Catalysis
1995, 107, 1159–1171; **1995**, 34, 1059–1070
- Berson*, J. A.**
Memory Effects and Stereochemistry in Multiple Carbonium Ion Rearrangements
1968, 80, 765–777; **1968**, 7, 779–791
- Erich Hückel, Pioneer of Organic Quantum Chemistry: Reflections on Theory and Experiment
1996, 108, 2922–2937; **1996**, 35, 2750–2764
- Bertagnolli*, H.**, Ertel*, T. S.
X-Ray Absorption Spectroscopy of Amorphous, Solids, Liquids, and Catalytic and Biochemical Systems—Capabilities and Limitations
1994, 106, 15–37; **1994**, 33, 45–66
- Eschenmoser*, A., **Bertele, E.**, Boos, H., Dunitz, J. D., Elsinger, F., Felner, I., Gribi, H. P., Gschwend, H., Meyer, E. F., Pesaro, M., Scheffold, R.
A Synthetic Route to the Corrin System
1964, 76, 393–399; **1964**, 3, 490–496
- Berth, P.**, Jakobi, G., Schmadel, E., Schwuger, M. J., Krauch*, C. H.
The Replacement of Phosphates in Detergents – Possibilities and Limits
1975, 87, 115–123; **1975**, 14, 94–102

Compostella*, M., Coen, A., **Bertinotti, F.**
Fasern und Filme aus isotaktischem Polypropylen
1962, 74, 618–624; –

Bertrand*, G., Wentrup*, C.
Nitrile Imines: From Matrix Characterization to Stable Compounds
1994, 106, 549–568; **1994**, 33, 527–545

Bertrand*, G.
Ylidic Four π Electron Four-Membered λ^5 -Phosphorus Heterocycles: Electronical Isomers of Heterocyclobutadienes
1998, 110, 282–293; **1998**, 37, 270–281

Besenhard*, J. O., Fritz, H. P.
The Electrochemistry of Black Carbons
1983, 95, 954–980; **1983**, 22, 950–975

Graf*, R., Lohaus, G., Börner, K., Schmidt, E., **Bestian, H.**
 β -Lactams, Their Polymerization and Use as Raw Materials for Fibers
1962, 74, 523–530; **1962**, 1, 481–488

Bestian*, H., Clauss, K., Jensen, H., Prinz, E.
Low-Temperature Polymerization of Ethylene
1962, 74, 955–965; **1963**, 2, 32–41

Bestian*, H., Günther, D.
An Acylal of Dimethylketene
1963, 75, 841–845; **1963**, 2, 608–613

Bestian*, H., Clauss, K.
Reactions of Olefins with the Titanium–Carbon Bond
1963, 75, 1068–1079; **1963**, 2, 704–714

Bestian*, H.
Poly- β -amides
1968, 80, 304–312; **1968**, 7, 278–285

Bestmann*, H. J.
New Reactions of Alkylidenephosphoranes and their Preparative Uses
1965, 77, 609–613, 651–666, 850–858; **1965**, 4, 583–587, 645–660, 830–838
Phosphacumulene Ylides and Phosphaallene Ylides
1977, 89, 361–376; **1977**, 16, 349–364

Ramdas, S., Thomas*, J. M., **Betteridge, P. W.**, Cheetham, A. K., Davies, E. K.
Modelling the Chemistry of Zeolites by Computer Graphics
1984, 96, 629–637; **1984**, 23, 671–679

Betz*, H.
The Glycine Receptor of Rat Spinal Cord: Exploring the Site of Action of the Plant Alkaloid Strychnine
1985, 97, 363–368; **1985**, 24, 365–370

Bewley, C. A., Faulkner*, D. J.
Lithistid Sponges: Star Performers or Hosts to the Stars
1998, 110, 2280–2297; **1998**, 37, 2162–2178

Beyermann*, K.
Trace Analysis of Organic Compounds
1974, 86, 251–255; **1974**, 13, 224–228

Bezrukov*, M. G.
Spatial Structure Formation in Protein Gels
1979, 91, 634–646; **1979**, 18, 599–610

Bianchi*, G., De Micheli, C., Gandolfi, R.
1,3-Dipolar Cycloreversions
1979, 91, 781–798; **1979**, 18, 721–738

Bickelhaupt*, F.
Di-Grignard Compounds and Metallocycles
1987, 99, 1020–1035; **1987**, 26, 990–1005

Appel*, W., **Biekert, E.**
Replacement of Plasma by High Molecular Weight Substances
1968, 80, 719–725; **1968**, 7, 702–708

Biemann*, K.
The Application of Mass Spectrometry in Organic Chemistry: Determination of the Structure of Natural Products
1962, 74, 102–115; **1962**, 1, 98–111

Bier*, G., Messwarb, G., Nölken, E., Lederer, M., Eichhorn, W., Hofmann, K.
Neue Methode zur Polymerisation von Äthylen bei niedrigen Drücken
1962, 74, 977–984; –

Becker*, E. W., **Bier, K.**, Bier, W., Schütte, R., Seidel, D.
Separation of the Isotopes of Uranium by the Separation Nozzle Process
Chem.-Ing.-Tech. **1967**, 39, 1–7, 80–84; **1967**, 6, 507–518

Becker*, E. W., Bier, K., **Bier, W.**, Schütte, R., Seidel, D.
Separation of the Isotopes of Uranium by the Separation Nozzle Process
Chem.-Ing.-Tech. **1967**, 39, 1–7, 80–84; **1967**, 6, 507–518

Biermann, U., Friedt, W., Lang, S., Lühs, W., Machmüller, G., Metzger*, J. O., Rüschen, Klaas, M., Schäfer, H. J., Schneider, M. P.
New Syntheses with Oils and Fats as Renewable Raw Materials for the Chemical Industry
2000, 112, 2292–2310; **2000**, 39, 2206–2224

Fischer*, W., **Biesenberger, K.**, Heppner, J., Neitzel, U.
Old and New Processes of Multiplicative Distribution (Liquid-Liquid Extraction)
Chem.-Ing.-Tech. **1964**, 36, 85–99; **1964**, 3, 791–800

Billups*, W. E., McCord, D. J.
Gas-Phase Synthesis of Reactive Molecules Using Adsorbed Reagents
1994, 106, 1394–1406; **1994**, 33, 1332–1343

Danishefsky*, S. J., **Bilodeau, M. T.**
Glycols in Organic Synthesis: The Evolution of Comprehensive Strategies for the Assembly of Oligosaccharides and Glycoconjugates of Biological Consequence
1996, 108, 1482–1522; **1996**, 35, 1380–1419

Binder, M., Tamm*, C.
The Cytochalasins: A New Class of Biologically Active Microbial Metabolites
1973, 85, 369–381; **1973**, 12, 370–380

Bingel*, W. A., Lüttke, W.
Hybrid Orbitals and Their Application in Structural Chemistry
1981, 93, 944–956; **1981**, 20, 899–911

Regitz*, M., **Binger, P.**
Phosphaalkynes—Synthesis, Reactions, Coordination Behavior
1988, 100, 1541–1565; **1988**, 27, 1484–1508

Binnewies*, M., Jerzembeck, M., Kornick, A.
Chemical Reactions in the Manufacture of Waveguides for Long Distance Optical Data Transmission
1991, 103, 762–770; **1991**, 30, 745–753

Binnig*, G., Rohrer*, H.
Scanning Tunneling Microscopy—From Birth to Adolescence (Nobel Lecture)
1987, 99, 622–631; **1987**, 26, 606–614

Binsch*, G., Kessler, H.
The Kinetic and Mechanistic Evaluation of NMR Spectra
1980, 92, 445–463; **1980**, 19, 411–428

Birkofer*, L., Ritter, A.
The Use of Silylation in Organic Syntheses
1965, 77, 414–426; **1965**, 4, 417–429

Bishop*, J. M.
Retroviruses and Oncogenes II (Nobel Lecture)
1990, 102, 765–773; **1990**, 29, 716–724

- Bittler*, K.**, von Kutepow, N., Neubauer, D., Reis, H.
Carbonylation of Olefins under Mild Temperature Conditions in the Presence of Palladium Complexes
1968, 80, 352–359; **1968**, 7, 329–335
- Bittler*, K.**, Ostertag, W.
Developments in the Field of Inorganic Pigments
1980, 92, 187–194; **1980**, 19, 190–196
- Lindberg*, B., **Björndal, H.**, Hellerqvist, C. G., Svensson, S.
Gas-Liquid Chromatography and Mass Spectrometry in Methylation Analysis of Polysaccharides
1970, 82, 643–652; **1970**, 9, 610–619
- Black*, J. W.**
Drugs from Emasculated Hormones: The Principle of Syntopic Antagonism (Nobel Lecture)
1989, 101, 910–919; **1989**, 28, 886–894
- Blanche, F.**, Cameron, B., Cronzet, J., Debussche, L., Thibaut, D., Vuilhorgne, M., Leeper, F. J., Battersby*, A. R.
Vitamin B₁₂: How the Problem of Its Biosynthesis Was Solved
1995, 107, 421–452; **1995**, 34, 383–411
- Franck*, B., **Blaschke, G.**, Schlingloff, G.
Oxidative Condensation of Quaternary Phenolic Bases
1963, 75, 957–965; **1964**, 3, 192–200
- Blaschke*, G.**
Chromatographic Resolution of Racemates
1980, 92, 14–25; **1980**, 19, 13–24
- de Stevens*, G., **Blatter, H. M.**, Carney, R. W. J.
Novel Approaches to the Synthesis of Some Heterocycles Containing Nitrogen
1966, 78, 125–129; **1966**, 5, 35–39
- Merkx, M., Kopp, D. A., Sazinsky, M. H., **Blazyk, J. L.**, Müller, Jens, Lippard*, S. J.
Dioxygen Activation and Methane Hydroxylation by Soluble Methane Monooxygenase: A Tale of Two Irons and Three Proteins
2001, 113, 2860–2888; **2001**, 40, 2782–2807
- Schuster, M., **Blecher*, S.**
Olefin Metathesis in Organic Chemistry
1997, 109, 2124–2145; **1997**, 36, 2036–2055
- Ugi*, I., Bauer, J., **Bley, K.**, Dengler, A., Dietz, A., Fontain, E., Gruber, B., Herges, R., Knauer, M., Reitsam, K., Stein, N.
Computer-Assisted Solution of Chemical Problems—The Historical Development and the Present State of the Art of a New Discipline of Chemistry
1993, 105, 210–239; **1993**, 32, 201–227
- Bloch*, K.**
Die Biosynthese des Cholesterins (Nobel Lecture)
1965, 77, 944–954; –
- Block*, E.**
The Organosulfur Chemistry of the Genus *Allium* – Implications for the Organic Chemistry of Sulfur
1992, 104, 1158–1203; **1992**, 31, 1135–1178
- Jansen*, L., **Block, R.**
The Pauli Principle and Chemical Bonding in Molecules and Solids
1977, 89, 317–323; **1977**, 16, 294–299
- Blohm*, D.**, Bollschweiler, C., Hillen, H.
Pharmaceutical Proteins
1988, 100, 213–231; **1988**, 27, 207–225
- Blokzijl*, W.**, Engberts*, J. B. F. N.
Hydrophobic Effects. Opinions and Facts
1993, 105, 1610–1648; **1993**, 32, 1545–1579
- Fersht*, A. R., Shi, J.-P., Wilkinson, A. J., **Blow, D. M.**, Carter, P., Waye, M. M. Y., Winter, G. P.
Analysis of Enzyme Structure and Activity by Protein Engineering
1984, 96, 455–462; **1984**, 23, 467–473
- Dürckheimer*, W., **Blumbach, J.**, Lattrell, R., Scheunemann, K. H.
Recent Developments in the Field of β -Lactam Antibiotics
1985, 97, 183–205; **1985**, 24, 180–202
- Blumen*, A.**, Schnörer, H.
Fractals and Related Hierarchical Models in Polymer Science
1990, 102, 158–170; **1990**, 29, 113–125
- Blumer*, M.**
Organic Compounds in Nature: Limits of Our Knowledge
1975, 87, 527–534; **1975**, 14, 507–514
- Blümich, B.**, Spiess*, H. W.
Two-Dimensional Solid-State NMR spectroscopy: New Possibilities for the Investigation of the Structure and Dynamics of Solid Polymers
1988, 100, 1716–1734; **1988**, 27, 1655–1672
- Boche*, G.**
The Structure of Lithium Compounds of Sulfones, Sulfoximides, Sulfoxides, Thioethers and 1,3-Dithianes, Nitriles, Nitro Compounds and Hydrazones
1989, 101, 286–306; **1989**, 28, 277–297
- Bock, B.**, Flatau, K., Junge, H., Kuhr, M., Musso*, H.
Bond Character of β -Diketone Metal Chelates
1971, 83, 239–249; **1971**, 10, 225–235
- Bock*, H.**
Color and Constitution of Azo Compounds
1965, 77, 469–484; **1965**, 4, 457–471
- Bock*, H.**, Ramsey, B. G.
Photoelectron Spectra of Nonmetal Compounds and Their Interpretation by MO Models
1973, 85, 773–792; **1973**, 12, 734–752
- Bock*, H.**
Molecular States and Molecular Orbitals
1977, 89, 631–655; **1977**, 16, 613–637
- Bock*, H.**, Solouki, B.
Photoelectron Spectra and Molecular Properties. Real-Time Gas Analysis in Flow Systems
1981, 93, 425–442; **1981**, 20, 427–444
- Bock*, H.**, Dammel, R.
The Pyrolysis of Azides in the Gas Phase
1987, 99, 518–540; **1987**, 26, 504–526
- Bock*, H.**
Fundamentals of Silicon Chemistry: Molecular States of Silicon-Containing Compounds
1989, 101, 1659–1682; **1989**, 28, 1627–1650
- Bock*, H.**, Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F., Arad, C., Göbel, I., John, A., Meuret, J., Nick, S., Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B.
Distorted Molecules: Perturbation Design, Preparation and Structures
1992, 104, 564–595; **1992**, 31, 550–581
- Böddeker*, K. W.**
Principles of Osmotic Desalination
1977, 89, 624–630; **1977**, 16, 607–613
- Nicolaou*, K. C., **Boddy, C. N. C.**, Bräse, S., Winssinger, N.
Chemistry, Biology, and Medicine of the Glycopeptide Antibiotics
1999, 111, 2230–2287; **1999**, 38, 2096–2152
- Walter, S., Nitschke, E., **Bode, C.**, Becker*, E. W., Hübener, R. P., Kessler, R. W., Schindewolf, U.
Enrichment of Heavy Water by High Pressure Exchange between Hydrogen and an Aqueous Catalyst Suspension
Chem.-Ing.-Tech. **1962**, 34, 7–10; **1962**, 1, 21–24
- Walter*, W., **Bode, K.-D.**
Syntheses of Thiocarboxamides
1966, 78, 517–532; **1966**, 5, 447–461
Syntheses of Thiocarbamates
1967, 79, 285–297; **1967**, 6, 281–293

Bode*, W.

The Bacterial Flagella and the Flagellar Protein Flagellin
1973, 85, 731–741; **1973**, 12, 683–693

Eggenberger, U., **Bodenhausen*, G.**

Modern NMR Pulse Experiments: A Graphical Description of the Evolution of Spin Systems
1990, 102, 392–402; **1990**, 29, 374–383

Boehm*, H.-P., Diehl, E., Heck, W., Sappok, R.

Surface Oxides of Carbon
1964, 76, 743–751; **1964**, 3, 669–677

Boehm*, H.-P.

Functional Groups on the Surfaces of Solids
1966, 78, 617–628; **1966**, 5, 533–544

Wilke*, G., **Bogdanović, B.**, Hardt, P., Heimbach, P., Keim, W., Kröner, M., Oberkirch, W., Tanaka, K., Steinrücke, E., Walter, D., Zimmermann, H.

Allyl-Transition Metal Systems
1966, 78, 157–172; **1966**, 5, 151–164

Bogdanović*, B., Henc, B., Lösler, A., Meister, B., Pauling, H., Wilke, G.

Asymmetric Syntheses with the Aid of Homogeneous Transition Metal Catalysts
1973, 85, 1013–1023; **1973**, 12, 954–964

Bogdanović*, B.

Catalytic Synthesis of Organolithium and Organomagnesium Compounds and of Lithium and Magnesium Hydrides—Applications in Organic Synthesis and Hydrogen Storage
1985, 97, 253–264; **1985**, 24, 262–273

Bogdanović*, B., Ritter, A., Spliethoff, B.

Active MgH₂–Mg Systems for Reversible Chemical Energy Storage
1990, 102, 239–250; **1990**, 29, 223–234

Fürstner*, A., **Bogdanović*, B.**

New Developments in the Chemistry of Low-Valent Titanium
1996, 108, 2582–2609; **1996**, 35, 2442–2469

Boger*, D. L., Johnson, D. S.

CC-1065 and the Duocarmycins: Understanding their Biological Function through Mechanistic Studies
1996, 108, 1542–1580; **1996**, 35, 1438–1474

Boger*, D. L., Cai, H.

Bleomycin: Synthetic and Mechanistic Studies
1999, 111, 470–500; **1999**, 38, 448–476

Müller*, A., Diemann, E., Jostes, R., **Bögge, H.**
Transition Metal Thiometalates: Properties and Their Significance in Complex and Bioinorganic Chemistry
1981, 93, 957–977; **1981**, 20, 934–955

Böhm*, H.-J., Klebe*, G.

What Can We Learn from Molecular Recognition in Protein–Ligand Complexes for the Design of New Drugs?
1996, 108, 2750–2778; **1996**, 35, 2588–2614

Böhmer*, V.

Calixarenes, Macrocycles with (Almost) Unlimited Possibilities
1995, 107, 785–818; **1995**, 34, 713–745

Schlimme*, E., Boos, K. S., **Bojanovski, D.**, Lüstorf, J.
Investigations of Mitochondrial Adenine Nucleotide Translocation by Means of Nucleotide Analogs
1977, 89, 717–725; **1977**, 16, 695–702

Jaenicke*, L., **Boland, W.**

Signal Substances and Their Reception in the Sexual Cycle of Marine Brown Algae
1982, 94, 659–670; **1982**, 21, 643–653

Holzer*, H., **Boll, M.**, Cennamo, C.

The Biochemistry of Yeast Threonine Deaminase
1963, 75, 894–900; **1964**, 3, 101–107

Blohm*, D., **Bollschweiler, C.**, Hillen, H.

Pharmaceutical Proteins
1988, 100, 213–231; **1988**, 27, 207–225

Berrisford, D. J., **Bolm, C.**, Sharpless*, K. B.

Ligand-Accelerated Catalysis
1995, 107, 1159–1171; **1995**, 34, 1059–1070

Bolm*, C., Hildebrand, J. P., Muñoz, K., Hermanns, N.

Catalyzed Asymmetric Arylation Reactions
2001, 113, 3382–3407; **2001**, 40, 3284–3308

Bonačić-Koutecký*, V., Koutecký*, J., Michl*, J.

Neutral and Charged Biradicals, Zwitterions, Funnels in S₁, and Proton Translocation: Their Role in Photochemistry, Photophysics, and Vision
1987, 99, 216–236; **1987**, 26, 170–189

Bong, D. T., Clark, T. D., Granja, J. R., Ghadiri*, M. R.

Self-Assembling Organic Nanotubes
2001, 113, 1016–1041; **2001**, 40, 988–1011

Bonitz*, E.

Reactions of Elementary Silicon
1966, 78, 475–482; **1966**, 5, 462–469

Bönnemann*, H., Grard, C., Kopp, W., Pump, W., Tanaka, K., Wilke, G.

The Allylcobalt System
1973, 85, 1024–1035; **1973**, 12, 964–974

Bönnemann*, H.

Cobalt-Catalyzed Pyridine Syntheses from Alkynes and Nitriles
1978, 90, 517–526; **1978**, 17, 505–515
Organocobalt Compounds in the Synthesis of Pyridines—An Example of Structure-Effectivity Relationships in Homogeneous Catalysis
1985, 97, 264–279; **1985**, 24, 248–262

Gładysz*, J. A., **Boone, B. J.**

Chiral Recognition in π Complexes of Alkenes, Aldehydes, and Ketones with Transition Metal Lewis Acids; Development of a General Model for Enantioface Binding Selectivities
1997, 109, 566–602; **1997**, 36, 550–583

Eschenmoser*, A., Bertele, E., **Boos, H.**, Dunitz, J. D., Elsinger, F., Felner, I., Gribi, H. P., Gschwend, H., Meyer, E. F., Pesaro, M., Scheffold, R.

A Synthetic Route to the Corrin System
1964, 76, 393–399; **1964**, 3, 490–496

Schlimme*, E., **Boos, K. S.**, Bojanovski, D., Lüstorf, J.
Investigations of Mitochondrial Adenine Nucleotide Translocation by Means of Nucleotide Analogs
1977, 89, 717–725; **1977**, 16, 695–702

Noll*, W., Holm, R., **Born, L.**

Painting of Ancient Ceramics
1975, 87, 639–651; **1975**, 14, 602–613

Graf*, R., Lohaus, G., **Börner, K.**, Schmidt, E., Bestian, H.
 β -Lactams, Their Polymerization and Use as Raw Materials for Fibers
1962, 74, 523–530; **1962**, 1, 481–488

Bossert, F., Meyer*, H., Wehinger, E.

4-Aryldihydropyridines, a New Class of Highly Active Calcium Antagonists
1981, 93, 755–763; **1981**, 20, 762–769

Bosshardt, H., Hesse*, M.

Mass Spectral Interaction between the Functional Groups of Multiply Substituted Alkanes
1974, 86, 256–270; **1974**, 13, 252–266

Seiler*, F. R., Gronski, P., Kurrle, R., Lüben, G., Harthus, H.-P., Ax, W., **Bosslet, K.**, Schwick, H.-G.

Monoclonal Antibodies: Their Chemistry, Functions, and Possible Uses
1985, 97, 141–163; **1985**, 24, 139–160

- Bott, K.,** Hellmann*, H.
Syntheses of Carboxylic Acids from 1,1-Dichloroethylene
1966, 78, 932–936; **1966**, 5, 870–874
- Bott*, K.**
Alkenediazonium Salts: A New Chapter of Classical Organic Chemistry
1979, 91, 279–285; **1979**, 18, 259–265
Coupling of Solvolysis and C – C Linkage: A Promising Synthetic Route to Functionalized Carboxylic Acids, Aldehydes, and Ketones
1980, 92, 169–176; **1980**, 19, 171–178
- Böttcher*, P.**
Tellurium-Rich Tellurides
1988, 100, 781–794; **1988**, 27, 759–772
- Boudier, A.,** Bromm, L. O., Lotz, M., Knochel*, P.
New Applications of Polyfunctional Organometallic Compounds in Organic Synthesis
2000, 112, 4584–4606; **2000**, 39, 4414–4435
- Boulas, P. L.,** Gómez-Kaifer, M., Echegoyen*, L.
Electrochemistry of Supramolecular Systems
1998, 110, 226–258; **1998**, 37, 216–247
- Bowen, R. D.,** Williams, D. H., Schwarz*, H.
The Chemistry of Isolated Cations
1979, 91, 484–495; **1979**, 18, 451–461
- Folkers*, K., Johansson, N.-G., Hooper, F., Currie, B., Sievertsson, H., Chang, J.-K., **Bowers, C. Y.**
Chemistry and Biosynthesis of the Hypothalamic Releasing and Inhibiting Neurohormones
1973, 85, 271–280; **1973**, 12, 255–264
- Boyer*, P. D.**
Energy, Life, and ATP (Nobel Lecture)
1998, 110, 2424–2436; **1998**, 37, 2296–2307
- Gibson*, M. S., **Bradshaw, R. W.**
The Gabriel Synthesis of Primary Amines
1968, 80, 986–996; **1968**, 7, 919–930
- Brady*, R. O.**
Hereditary Diseases – Causes, Cures, and Problems
1973, 85, 28–38; **1973**, 12, 1–11
- Hoffmann*, E. G., Stempfle, W., Schroth, G., Weimann, B., Ziegler, E., **Brandt, J.**
Use of a Computer in Nuclear Magnetic Resonance Spectroscopy
1972, 84, 400–411; **1972**, 11, 375–386
- Ugi*, I., Bauer, J., **Brandt, J.**, Friedrich, J., Gasteiger, J., Jochum, C., Schubert, W.
New Applications of Computers in Chemistry
1979, 91, 99–111; **1979**, 18, 111–123
- Brandt*, R.**
Ternary Fission
1971, 83, 1000–1011; **1971**, 10, 890–900
- Nicolaou*, K. C., Boddy, C. N. C., **Bräse, S.**, Winssinger, N.
Chemistry, Biology, and Medicine of the Glycopeptide Antibiotics
1999, 111, 2230–2287; **1999**, 38, 2096–2152
- Brask, J. K.,** Chivers*, T.
Imido Analogues of Common Oxo Anions: A New Episode in the Chemistry of Cluster Compounds
2001, 113, 4082–4098; **2001**, 40, 3960–3976
- Braslavsky, S. E.,** Holzwarth, A. R., Schaffner*, K.
Solution Conformations, Photophysics, and Photochemistry of Bile Pigments; Bilirubin and Biliverdin Dimethyl Esters and Related Linear Tetrapyrroles
1983, 95, 670–689; **1983**, 22, 656–674
- Bräuchle*, C.,** Burland, D. M.
Holographic Methods for the Investigation of Photochemical and Photophysical Properties of Molecules
1983, 95, 612–629; **1983**, 22, 582–598
- Turro*, N. J., Grätzel, M., **Braun, A. M.**
Photophysical and Photochemical Processes in Micellar Systems
1980, 92, 712–734; **1980**, 19, 675–696
- Braun*, D.**
Penetration of Macromolecules and Crosslinking of Macromolecules
1976, 88, 487–495; **1976**, 15, 451–459
- Braun*, M.**
Stereoselective Aldol Reactions with α -Unsubstituted Chiral Enolates
1987, 99, 24–37; **1987**, 26, 24–37
 α -Heteroatom-Substituted 1-Alkenyllithium Reagents: Carbanions and Carbenoids for C–C Bond Formation
1998, 110, 444–465; **1998**, 37, 430–451
- Kortüm*, G., **Braun, W.**, Herzog, G.
Principles and Techniques of Diffuse-Reflectance Spectroscopy
1963, 75, 653–661; **1963**, 2, 333–341
- Braunschweig*, H.**
Transition Metal Complexes of Boron
1998, 110, 1882–1898; **1998**, 37, 1786–1801
- Braunstein*, P.,** Naud*, F.
Hemilability of Hybrid Ligands and the Coordination Chemistry of Oxazoline-Based Systems
2001, 113, 702–722; **2001**, 40, 680–699
- White*, E. H., Miano, J. D., Watkins, C. J., **Breaux, E. J.**
Chemically Produced Excited States
1974, 86, 292–307; **1974**, 13, 229–243
- Bredereck*, H.,** Effenberger, F., Hofmann, A., Hajek, M.
Syntheses of *s*-Triazine and Substituted *s*-Triazines
1963, 75, 825–830; **1963**, 2, 655–659
- Uhlmann*, E., Peyman, A., **Breipohl, G.**, Will, D. W.
PNA: Synthetic Polyamide Nucleic Acids with Unusual Binding Properties
1998, 110, 2954–2983; **1998**, 37, 2796–2823
- Hünig*, S., Balli, H., **Breiter, E.**, Brühne, F., Geiger, H., Grigat, E., Müller, F., Quast, H.
Heterocyclic Azo Dyes by Oxidative Coupling
1962, 74, 818–824; **1962**, 1, 640–646
- Breitinger*, D.,** Brodersen, K.
Development of and Problems in the Chemistry of Mercury–Nitrogen Compounds
1970, 82, 379–389; **1970**, 9, 357–367
- Breitmaier*, E.,** Jung, G., Voelter, W.
Pulse Fourier Transform ^{13}C NMR spectroscopy, Principles, and Applications
1971, 83, 659–672; **1971**, 10, 673–686
- Breitmaier*, E.,** Spohn, K.-H., Berger, S.
 ^{13}C Spin-Lattice Relaxation Times and the Mobility of Organic Molecules in Solution
1975, 87, 152–168; **1975**, 14, 144–159
- Kirsch*, P., **Bremer*, M.**
Nematic Liquid Crystals for Active Matrix Displays: Molecular Design and Synthesis
2000, 112, 4384–4405; **2000**, 39, 4216–4235
- Bremser*, W.**
Structure Elucidation and Artificial Intelligence
1988, 100, 252–265; **1988**, 27, 247–260
- Hünig*, S., **Brenninger, W.**, Geiger, H., Kaupp, G., Kniese, W., Lampe, W., Quast, H., Rauschenbach, R. D., Schütz, A.
Sulfonyl Hydrazones of Cyclic Amides and Quaternary Azo Sulfones of Heterocycles as Reagents in Azo Chemistry
1968, 80, 343–352; **1968**, 7, 335–344
- Breslow*, R.**
Small Antiaromatic Rings
1968, 80, 573–578; **1968**, 7, 565–570

Breuer*, H. D.

Photochemistry in Interstellar Space and Reactions Generating Interstellar Molecules

1974, 86, 401–406; **1974**, 13, 370–375

Briegleb*, G.

Electron Affinity of Organic Molecules

1964, 76, 326–341; **1964**, 3, 617–632

Brill*, R.

The Structure of Ice

1962, 74, 895–900; **1962**, 1, 563–567 (656)

Brimacombe*, J. S.

The Synthesis of Rare Sugars

1969, 81, 415–423; **1969**, 8, 401–409

The Synthesis of Antibiotic Sugars

1971, 83, 261–274; **1971**, 10, 236–248

Bringmann*, G., Walter, R., Weirich, R.

The Directed Synthesis of Biaryl Compounds: Modern Concepts and Strategies

1990, 102, 1006–1019; **1990**, 29, 977–991

Brintzinger*, H. H., Fischer, D., Mülhaupt, R., Rieger, B., Waymouth, R. M.

Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts

1995, 107, 1255–1283; **1995**, 34, 1143–1170

Britovsek, G. J. P., Gibson*, V. C., Wass, D. F.

The Search for New-Generation Olefin Polymerization Catalysts: Life beyond Metallocenes

1999, 111, 448–468; **1999**, 38, 428–447

Britton*, M. D.

Glass—A Continuing Challenge to Chemistry

1976, 88, 365–373; **1976**, 15, 346–354

Matting*, A., Brockmann, W.

Recent Developments in the Adhesives Field

1968, 80, 641–648; **1968**, 7, 598–605

Breiting*, D., Brodersen, K.

Development of and Problems in the Chemistry of Mercury–Nitrogen Compounds

1970, 82, 379–389; **1970**, 9, 357–367

Bröll*, D., Kaul, C., Krämer, A., Krammer, P., Richter, T., Jung, M., Vogel*, H., Zehner, P.

Chemistry in Supercritical Water

1999, 111, 3180–3196; **1999**, 38, 2998–3014

Boudier, A., Bromm, L. O., Lotz, M., Knochel*, P.

New Applications of Polyfunctional Organometallic Compounds in Organic Synthesis

2000, 112, 4584–4606; **2000**, 39, 4414–4435

Bronger*, W.

Ternary Sulfides: Model Compounds for the Correlation of Crystal Structure and Magnetic Properties

1981, 93, 12–23; **1981**, 20, 52–62

Complex Transition Metal Hydrides

1991, 103, 776–784; **1991**, 30, 759–768

Brown*, H. C., Midland, M. M.

Organic Syntheses via Free-Radical Displacement Reactions of Organoboranes

1972, 84, 702–710; **1972**, 11, 692–700

Brown*, H. C.

Aus kleinen Eicheln wachsen große Eichen – von den Boranen zu den Organoboranen (Nobel Lecture)

1980, 92, 675–683; –

Brown*, J. M.

Directed Homogeneous Hydrogenation

1987, 99, 169–182; **1987**, 26, 190–203

Brown*, M. S., Goldstein, J. L.

A Receptor-Mediated Pathway for Cholesterol Homeostasis (Nobel Lecture)

1986, 98, 579–599; **1986**, 25, 583–602

Brown, P., Djerassi*, C.

Electron-Impact Induced Rearrangement Reactions of Organic Molecules

1967, 79, 481–500; **1967**, 6, 477–496

Brown*, R., Winkler, C. A.

The Chemical Behavior of Active Nitrogen

1970, 82, 187–202; **1970**, 9, 181–196

Bruce, M. I., Stone*, F. G. A.

Dodecacarbonyltriruthenium

1968, 80, 460–465; **1968**, 7, 427–432

Nucleophilic Reactions of Metal Carbonyl Anions with Fluorocarbons

1968, 80, 835–841; **1968**, 7, 747–753

Bruce*, M. I.

Cyclometalation Reactions

1977, 89, 75–89; **1977**, 16, 73–86

Ullrich*, V., Brugger, R.

Prostacyclin and Thromboxane Synthase: New Aspects of Hemethiolate Catalysis

1994, 106, 1987–1996; **1994**, 33, 1911–1919

Hünig*, S., Balli, H., Breiter, E., **Brühne, F.,** Geiger, H.,

Grigat, E., Müller, F., Quast, H.

Heterocyclic Azo Dyes by Oxidative Coupling

1962, 74, 818–824; **1962**, 1, 640–646

Orth*, H. D., Brümmer, W.

Carrier-Bound Biologically Active Substances and Their Applications

1972, 84, 319–330; **1972**, 11, 249–260

Peter*, S., Brunner, G.

The Separation of Nonvolatile Substances by Means of Compressed Gases in Countercurrent Processes

1978, 90, 794–798; **1978**, 17, 746–750

Brunner*, H.

Optical Activity from Asymmetric Transition Metal Atoms

1971, 83, 274–285; **1971**, 10, 249–260

Rhodium Catalysts for Enantioselective Hydrosilylation—A New Concept in the Development of Asymmetric Catalysts

1983, 95, 921–931; **1983**, 22, 897–907

Optically Active Organometallic Compounds of Transition Elements with Chiral Metal Atoms

1999, 111, 1248–1263; **1999**, 38, 1194–1208

Buback*, M.

Spectroscopy of Fluid Phases—The Study of Chemical Reactions and Equilibria up to High Pressures

1991, 103, 658–670; **1991**, 30, 641–653

Buchardt*, O.

Photochemistry with Circularly Polarized Light

1974, 86, 222–228; **1974**, 13, 179–185

Buchdahl*, R., Zaukelies, D. A.

Deformationsprozesse und die Struktur von kristallinen Polymeren

1962, 74, 569–573; –

Abresch*, K., Büchel, E.

Die coulometrische Analyse

1962, 74, 685–693; –

Bücher*, T., Rüssmann, W.

Equilibrium and Nonequilibrium in the Glycolysis System

1963, 75, 881–893; **1964**, 3, 426–439

Buchler*, J. W.

Hemoglobin—An Inspiration for Research in Coordination Chemistry

1978, 90, 425–441; **1978**, 17, 407–423

Buck*, P.

Reactions of Aromatic Nitro Compounds with Bases
1969, *81*, 136–148; **1969**, *8*, 120–131

Buda, A. B., Auf der Heyde, T., Mislow*, K.

On Quantifying Chirality

1992, *104*, 1012–1031; **1992**, *31*, 989–1007

Buddrus*, J.

Basic Behavior of Epoxides in the Presence of Halide Ions

1972, *84*, 1173–1183; **1972**, *11*, 1041–1050

Buddrus*, J., Bauer, H.

Directed Identification of the Carbon Skeleton of Organic Compounds using Double Quantum Coherence ¹³C-NMR Spectroscopy. The INADEQUATE Pulse Sequence

1987, *99*, 642–659; **1987**, *26*, 625–642

Budzikiewicz*, H.

Mass Spectrometry of Negative Ions

1981, *93*, 635–649; **1981**, *20*, 624–637

Baumann, H., **Bühler, M.**, Fochem, H., Hirsinger, F., Zobebelein, H., Falbe*, J.

Natural Fats and Oils—Renewable Raw Materials for the Chemical Industry

1988, *100*, 41–62; **1988**, *27*, 41–62

Steppan, H., **Buhr, G.**, Vollmann*, H. W.

The Resist Technique—A Chemical Contribution to Electronics

1982, *94*, 471–485; **1982**, *21*, 455–469

Bunnett*, J. F.

The Mechanism of Bimolecular β -Elimination Reactions

1962, *74*, 731–741; **1962**, *1*, 225–235

Bürger*, H.

Anomalies in the Structural Chemistry of Silicon

1973, *85*, 519–532; **1973**, *12*, 474–486

Seel*, F., Steigner, E., **Burger, I.**

A New Method for the Determination of Fluorine

1964, *76*, 532–534; **1964**, *3*, 424–425

Schmittel*, M., **Burghart, A.**

Understanding Reactivity Patterns of Radical Cations

1997, *109*, 2658–2699; **1997**, *36*, 2550–2589

Bürgi*, H.-B.

Stereochemistry of Reaction Paths as Determined from Crystal Structure Data – A Relationship between Structure and Energy

1975, *87*, 461–475; **1975**, *14*, 460–473

Bräuchle*, C., **Burland, D. M.**

Holographic Methods for the Investigation of Photochemical and Photophysical Properties of Molecules

1983, *95*, 612–629; **1983**, *22*, 582–598

Bursten*, B. E., Strittmatter, R. J.

Cyclopentadienyl-Actinide Complexes: Bonding and Electronic Structure

1991, *103*, 1085–1103; **1991**, *30*, 1069–1085

Marzolph*, H., **Busch, H.**

Aufbau und Eigenschaften von Polyacrylnitril-Fäden

1962, *74*, 628–632; –

Buschmann, H., Scharf*, H.-D., Hoffmann, N., Esser, P.

The Isoinversion Principle—a General Model of Chemical Selectivity

1991, *103*, 480–518; **1991**, *30*, 477–515

Buse*, G.

The Present Position of Hemoglobin Research

1971, *83*, 735–745; **1971**, *10*, 663–673

Lerf*, A., **Butz, T.**

Nuclear Quadrupole Interaction and Time-Resolved Perturbed γ - γ -Angular Correlation Spectroscopy: Applications in Chemistry, Materials Science, and Biophysical Chemistry

1987, *99*, 113–130; **1987**, *26*, 110–126

Buxbaum*, L. H.

The Degradation of Poly(ethylene terephthalate)

1968, *80*, 225–233; **1968**, *7*, 182–190



Cahn*, R. S., Ingold, C., Prelog, V.

Specification of Molecular Chirality

1966, *78*, 413–447; **1966**, *5*, 385–415 (511)

Boger*, D. L., **Cai, H.**

Bleomycin: Synthetic and Mechanistic Studies

1999, *111*, 470–500; **1999**, *38*, 448–476

Calderazzo*, F.

Synthetic and Mechanistic Aspects of Inorganic Insertion Reactions. Insertion of Carbon Monoxide

1977, *89*, 305–317; **1977**, *16*, 299–311

Calderon*, N., Ofstead, E. A., Judy, W. A.

Mechanistic Aspects of Olefin Metathesis

1976, *88*, 433–442; **1976**, *15*, 401–409

Calvin*, M.

The Path of Carbon in Photosynthesis (Nobel Lecture)

1962, *74*, 165–186; **1962**, *1*, 65–75

Biopolymers: Origin, Chemistry, and Biology

1974, *86*, 111–120; **1974**, *13*, 121–131

Blanche, F., **Cameron, B.,** Cronzet, J., Debussche, L., Thibaut, D., Vuilhorgne, M., Leeper, F. J., Battersby*, A. R.

Vitamin B₁₂: How the Problem of Its Biosynthesis Was Solved

1995, *107*, 421–452; **1995**, *34*, 383–411

Cammann*, K., Lemke, U., Rohen, A., Sander, J., Wilken, H., Winter, B.

Chemical Sensors and Biosensors—Principles and Applications

1991, *103*, 519–541; **1991**, *30*, 516–539

Cammenga, H. K., Eppe*, M.

Basic Principles of Thermoanalytical Techniques and Their Applications in Preparative Chemistry

1995, *107*, 1284–1301; **1995**, *34*, 1171–1187

de Stevens*, G., Blatter, H. M., **Carney, R. W. J.**

Novel Approaches to the Synthesis of Some Heterocycles Containing Nitrogen

1966, *78*, 125–129; **1966**, *5*, 35–39

Carpenter*, B. K.

Dynamic Behavior of Organic Reactive Intermediates

1998, *110*, 3532–3543; **1998**, *37*, 3340–3350

Carrea*, G., Riva*, S.

Properties and Synthetic Applications of Enzymes in Organic Solvents

2000, *112*, 2312–2341; **2000**, *39*, 2226–2254

Fersht*, A. R., Shi, J.-P., Wilkinson, A. J., Blow, D. M., **Carter, P.,** Waye, M. M. Y., Winter, G. P.

Analysis of Enzyme Structure and Activity by Protein Engineering

1984, *96*, 455–462; **1984**, *23*, 467–473

Barker*, B. J., Rosenfarb, J., **Caruso, J. A.**

Ureas as Solvents for Chemical Investigations

1979, *91*, 560–564; **1979**, *18*, 503–507

Agarwal, K. L., Yamazaki, A., **Cashion, P. J.,** Khorana*, H. G.

Chemical Synthesis of Polynucleotides

1972, *84*, 489–498; **1972**, *11*, 451–459

Henneberg*, D., **Casper, K.,** Ziegler, E., Weimann, B.

Computer-Aided Analysis of Organic Mass Spectra

1972, *84*, 381–390; **1972**, *11*, 357–366

- Chiusoli*, G. P., **Cassar, L.**
Nickel-Catalysed Reactions of Allyl Halides and Related Compounds
1967, 79, 177–186; **1967**, 6, 124–133
- Castaing*, R.**
Mikroanalyse durch Röntgenemissions-Spektrographie
1963, 75, 161–164; –
- Giordano*, C., **Castaldi, G.**, Uggeri, F.
Synthesis of Anti-Inflammatory α -Arylalkanoic Acids by 1,2-Aryl Shift
1984, 96, 413–419; **1984**, 23, 413–419
- Caubère*, P.**
Complex Reducing Agents (CRA's)—Versatile, Novel Ways of Using Sodium Hydride in Organic Synthesis
1983, 95, 597–611; **1983**, 22, 599–613
- Cech*, T. R.**
Self-splicing and Enzymatic Activity of an Intervening Sequence RNA from *Tetrahymena* (Nobel Lecture)
1990, 102, 745–755; **1990**, 29, 759–768
Life at the End of the Chromosome: Telomeres and Telomerase
2000, 112, 34–44; **2000**, 39, 34–43
- Köppel, H., **Cederbaum*, L. S.**, Domcke, W., Shaik, S.
Symmetry Breaking and Non-Born-Oppenheimer Effects in Radical Cations
1983, 95, 221–236; **1983**, 22, 210–224
- Holzer*, H., Boll, M., **Cennamo, C.**
The Biochemistry of Yeast Threonine Deaminase
1963, 75, 894–900; **1964**, 3, 101–107
- Chandrasekhar*, S.**
On Stars, Their Evolution and Their Stability (Nobel Lecture)
1984, 96, 651–661; **1984**, 23, 679–689
- Folkers*, K., Johansson, N.-G., Hooper, F., Currie, B., Sievertsson, H., **Chang, J.-K.**, Bowers, C. Y.
Chemistry and Biosynthesis of the Hypothalamic Releasing and Inhibiting Neurohormones
1973, 85, 271–280; **1973**, 12, 255–264
- Bernstein*, J., Davis*, R. E., Shimoni, L., **Chang, N.-L.**
Patterns in Hydrogen Bonding: Functionality and Graph Set Analysis in Crystals
1995, 107, 1689–1708; **1995**, 34, 1555–1573
- Chanon*, M.**, Tobe*, M. L.
ETC: A Mechanistic Concept for Inorganic and Organic Chemistry
1982, 94, 27–49; **1982**, 21, 1–23
- Chatt*, J.**, Leigh, G. J.
The Distribution of Charge in Complex Compounds
1978, 90, 442–449; **1978**, 17, 400–407
- Ramdas, S., Thomas*, J. M., Betteridge, P. W., **Cheetham, A. K.**, Davies, E. K.
Modelling the Chemistry of Zeolites by Computer Graphics
1984, 96, 629–637; **1984**, 23, 671–679
- Cheetham*, A. K.**, Wilkinson, A. P.
Synchrotron X-ray and Neutron Diffraction Studies in Solid-State Chemistry
1992, 104, 1594–1608; **1992**, 31, 1557–1570
- Cheetham*, A. K.**, Férey*, G., Loiseau, T.
Open-Framework Inorganic Materials
1999, 111, 3466–3492; **1999**, 38, 3268–3292
- Chemler, S. R.**, Trauner, D., Danishefsky*, S. J.
The *B*-Alkyl Suzuki–Miyaura Cross-Coupling Reaction: Development, Mechanistic Study, and Applications in Natural Product Synthesis
2001, 113, 4676–4701; **2001**, 40, 4544–4568
- Sih*, C. J., **Chen, C.-S.**
Microbial Asymmetric Catalysis—Enantioselective Reduction of Ketones
1984, 96, 556–565; **1984**, 23, 570–578
- Chen*, C.-S.**, Sih*, C. J.
General Aspects and Optimization of Enantioselective Biocatalysis in Organic Solvents: The Use of Lipases
1989, 101, 711–724; **1989**, 28, 695–707
- Chen, J. K.**, Schreiber*, S. L.
Combinatorial Synthesis and Multidimensional NMR Spectroscopy: An Approach to Understanding Protein–Ligand Interactions
1995, 107, 1041–1058; **1995**, 34, 953–969
- Solomon*, E. I., **Chen, P.**, Metz, M., Lee, S.-K., Palmer, A. E.
Oxygen Binding, Activation, and Reduction to Water by Copper Proteins
2001, 113, 4702–4724; **2001**, 40, 4570–4590
- Walsh*, C. T., **Chen, Y.-C. J.**
Enzymatic Baeyer–Villiger Oxidations by Flavin-Dependent Monooxygenases
1988, 100, 342–352; **1988**, 27, 333–343
- Palm*, R., Ohse, H., **Cherdron, H.**
Polymers Containing Lactone Groups
1966, 78, 1093–1099; **1966**, 5, 994–1000
- Weissermel*, K., Fischer, E., Gutweiler, K., Hermann, H. D., **Cherdron, H.**
Polymerization of Trioxane
1967, 79, 512–520; **1967**, 6, 526–533
- Gordon, W., Leugering, H. J., **Cherdron*, H.**
Polyethylene Fibrils: Preparation and Properties
1978, 90, 833–839; **1978**, 17, 820–825
- Weissermel*, K., **Cherdron*, H.**
Raw Materials and Energy: A Challenge for Polymer Research
1983, 95, 763–770; **1983**, 22, 764–771
- Chevrier, B.**, Weiss*, R.
Structures of the Intermediate Complexes in Friedel–Crafts Acylations
1974, 86, 12–21; **1974**, 13, 1–10
- Izumi*, Y., **Chibata, I.**, Itoh, T.
Production and Utilization of Amino Acids
1978, 90, 187–194; **1978**, 17, 176–183
- Gambaryan, N. P., Rokhlin, E. M., Zeifman, Yu. V., **Ching-Yun, C.**, Knunyants*, I. L.
Reactions of the Carbonyl Group in Fluorinated Ketones
1966, 78, 1008–1017; **1966**, 5, 947–956
- Chisholm*, M. H.**
The $\sigma^2\pi^4$ Triple Bond between Molybdenum and Tungsten Atoms: Developing the Chemistry of an Inorganic Functional Group
1986, 98, 21–30; **1986**, 25, 21–30
- Chisholm*, M. H.**, Clark, D. L., Hampden-Smith, M. J., Hoffman, D. M.
Alkoxide Clusters of Molybdenum and Tungsten as Templates for Organometallic Chemistry: Comparison with Carbonyl Clusters of the Later Transition Elements
1989, 101, 446–458; **1989**, 28, 432–444
- Chiusoli*, G. P.**, Cassar, L.
Nickel-Catalysed Reactions of Allyl Halides and Related Compounds
1967, 79, 177–186; **1967**, 6, 124–133
- Brask, J. K., **Chivers*, T.**
Imido Analogues of Common Oxo Anions: A New Episode in the Chemistry of Cluster Compounds
2001, 113, 4082–4098; **2001**, 40, 3960–3976
- Chládek, S.**, Sprinzl*, M.
The 3'-End of tRNA and Its Role in Protein Synthesis
1985, 97, 377–398; **1985**, 24, 371–391

- Mammen, M., **Choi, S.-K.**, Whitesides*, G. M.
Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors
1998, *110*, 2908–2953; **1998**, *37*, 2754–2794
- Masamune*, S., **Choy, W.**, Petersen, J. S., Sita, L. R.
Double Asymmetric Synthesis and a New Strategy for Stereochemical Control in Organic Syntheses
1985, *97*, 1–31; **1985**, *24*, 1–30
- Christl*, M.**
Benzvalene—Properties and Synthetic Potential
1981, *93*, 515–531; **1981**, *20*, 529–546
- Horner*, L., **Christmann, A.**
Nitrenes
1963, *75*, 707–716; **1963**, *2*, 599–608
- Adam*, W., **Cilento, G.**
Four-Membered Ring Peroxides as Excited State Equivalents: A New Dimension in Bioorganic Chemistry
1983, *95*, 525–538; **1983**, *22*, 529–542
- Santini*, J. T., Jr., Richards, A. C., Scheidt, R., **Cima*, M. J.**, Langer*, R.
Microchips as Controlled Drug-Delivery Devices
2000, *112*, 2486–2498; **2000**, *39*, 2396–2407
- Chisholm*, M. H., **Clark, D. L.**, Hampden-Smith, M. J., Hoffman, D. M.
Alkoxide Clusters of Molybdenum and Tungsten as Templates for Organometallic Chemistry: Comparison with Carbonyl Clusters of the Later Transition Elements
1989, *101*, 446–458; **1989**, *28*, 432–444
- Clark*, R. J. H.**, Dines, T. J.
Resonance Raman Spectroscopy, and its Application to Inorganic Chemistry
1986, *98*, 131–160; **1986**, *25*, 131–158
- Bong, D. T., **Clark, T. D.**, Granja, J. R., Ghadiri*, M. R.
Self-Assembling Organic Nanotubes
2001, *113*, 1016–1041; **2001**, *40*, 988–1011
- Clark*, V. M.**, Hutchinson, D. W., Kirby, A. J., Warren, S. G.
The Design of Phosphorylating Agents
1964, *76*, 704–712; **1964**, *3*, 678–685
- Schmidbaur*, H., **Classen, H. G.**, Helbig, J.
Aspartic and Glutamic Acid as Ligands to Alkali and Alkaline-Earth Metals: Structural Chemistry as Related to Magnesium Therapy
1990, *102*, 1122–1136; **1990**, *29*, 1090–1103
- Angermund, K., **Claus, K. H.**, Goddard, R., Krüger*, C.
High-Resolution X-Ray Crystallography—An Experimental Method for the Description of Chemical Bonds
1985, *97*, 241–252; **1985**, *24*, 237–247
- Bestian*, H., **Clauss, K.**, Jensen, H., Prinz, E.
Low-Temperature Polymerization of Ethylene
1962, *74*, 955–965; **1963**, *2*, 32–41
- Bestian*, H., **Clauss, K.**
Reactions of Olefins with the Titanium–Carbon Bond
1963, *75*, 1068–1079; **1963**, *2*, 704–714
- Clauss*, K.**, Jensen, H.
Oxathiazinone Dioxides – A New Group of Sweetening Agents
1973, *85*, 965–973; **1973**, *12*, 869–876
- Clayden*, J.**, Warren, S.
Stereocontrol in Organic Synthesis Using the Diphenylphosphoryl Group
1996, *108*, 261–291; **1996**, *35*, 241–270
- Compostella*, M., **Coen, A.**, Bertinotti, F.
Fasern und Filme aus isotaktischem Polypropylen
1962, *74*, 618–624; –
- Cohen*, M. D.**
The Photochemistry of Organic Solids
1975, *87*, 439–447; **1975**, *14*, 386–393
- Cohen*, S.**
Epidermal Growth Factor (Nobel Lecture)
1987, *99*, 738–744; **1987**, *26*, 717–722
- Rabinovitz*, M., **Cohen, Y.**, Halpern, M.
Hydroxide Ion Initiated Reactions under Phase Transfer Catalysis Conditions: Mechanism and Implications
1986, *98*, 958–968; **1986**, *25*, 960–970
- Collman*, J. P.**
Reactions of Metal Acetylacetonates
1965, *77*, 154–161; **1965**, *4*, 132–138
- Collman*, J. P.**, Wagenknecht, P. S., Hutchison, J. E.
Molecular Catalysts for Multielectron Redox Reactions of Small Molecules: The “Cofacial Metalloporphyrin” Approach
1994, *106*, 1620–1639; **1994**, *33*, 1537–1554
- Colquhoun, H. M.**, Stoddart*, J. F., Williams, D. J.
Second-Sphere Coordination—a Novel Role for Molecular Receptors
1986, *98*, 483–503; **1986**, *25*, 487–507
- Comely*, A. C.**, Gibson*, S. E.
Tracelessness Unmasked: A General Linker Nomenclature
2001, *113*, 1042–1063; **2001**, *40*, 1012–1032
- Comes*, F. J.**
Reaction Dynamics of Aligned Molecules
1992, *104*, 529–541; **1992**, *31*, 516–527
- Recycling in the Earth’s Atmosphere: The OH Radical—Its Importance for the Chemistry of the Atmosphere and the Determination of Its Concentration
1994, *106*, 1900–1910; **1994**, *33*, 1816–1826
- Compostella*, M.**, Coen, A., Bertinotti, F.
Fasern und Filme aus isotaktischem Polypropylen
1962, *74*, 618–624; –
- Conia*, J. M.**
Syntheses of Cyclopropylcarbonyl Compounds
1968, *80*, 578–585; **1968**, *7*, 570–577
- Conia*, J. M.**, Robson, M. J.
Ring Contractions and Expansions of Vicinally Disubstituted Cyclobutanes and Cyclopropylmethyl Compounds
1975, *87*, 505–516; **1975**, *14*, 473–485
- Conrad, O.**, Jansen, C., Krebs*, B.
Boron–Sulfur and Boron–Selenium Compounds—From Unique Molecular Structural Principles to Novel Polymeric Materials
1998, *110*, 3396–3407; **1998**, *37*, 3208–3218
- Coppens*, P.**
Experimental Electron Densities and Chemical Bonding
1977, *89*, 33–42; **1977**, *16*, 32–40
- Corbett*, J. D.**
Polyanionic Clusters and Networks of the Early p-Element Metals in the Solid State: Beyond the Zintl Boundary
2000, *112*, 682–704; **2000**, *39*, 670–690
- Masamune*, S., Bates, G. S., **Corcoran, J. W.**
Macrolides. Recent Progress in Chemistry and Biochemistry
1977, *89*, 602–624; **1977**, *16*, 585–607
- Corey*, E. J.**
The Logic of Chemical Synthesis: Multistep Synthesis of Complex Carbogenic Molecules (Nobel Lecture)
1991, *103*, 469–479; **1991**, *30*, 455–465
- Corey*, E. J.**, Guzman-Perez, A.
The Catalytic Enantioselective Construction of Molecules with Quaternary Carbon Stereocenters
1998, *110*, 402–415; **1998**, *37*, 388–401
- Corey*, E. J.**, Helal, C. J.
Reduction of Carbonyl Compounds with Chiral Oxazaborolidine Catalysts: A New Paradigm for Enantioselective Catalysis and a Powerful New Synthetic Method
1998, *110*, 2092–2118; **1998**, *37*, 1986–2012

Wendt, K. U., Schulz*, G. E., **Corey, E. J.**, Liu*, D. R.
Enzyme Mechanisms for Polycyclic Triterpene Formation
2000, *112*, 2930–2952; **2000**, *39*, 2812–2833

Cornforth*, J. W.

Olefin Alkylation in Biosynthesis
1968, *80*, 977–985; **1968**, *7*, 903–911
Asymmetrie und Enzymwirkung (Nobel Lecture)
1976, *88*, 550–555; –

Cornils*, B., Herrmann, W. A., Rasch, M.
Otto Roelen, Pioneer in Industrial Homogeneous Catalysis
1994, *106*, 2219–2238; **1994**, *33*, 2144–2163

Herrmann*, W. A., **Cornils*, B.**
Organometallic Homogeneous Catalysis—Quo vadis?
1997, *109*, 1074–1095; **1997**, *36*, 1048–1067

Cornish, V. W., Mendel, D., Schultz*, P. G.
Protein Structure and Function with an Expanded Genetic Code
1995, *107*, 677–690; **1995**, *34*, 621–633

Corriu*, R. J. P., Leclercq, D.
Recent Developments of Molecular Chemistry for Sol–Gel Processes
1996, *108*, 1524–1540; **1996**, *35*, 1420–1436

Corriu*, R. J. P.
Ceramics and Nanostructures from Molecular Precursors
2000, *112*, 1432–1455; **2000**, *39*, 1376–1398

Waterman*, M. R., **Cottam, G. L.**
Molecular Aspects of Sickle Cell Disease
1976, *88*, 821–830; **1976**, *15*, 749–757

Müller*, A., Jostes, R., **Cotton, F. A.**
Trinuclear Clusters of the Early Transition Elements
1980, *92*, 921–929; **1980**, *19*, 875–882

Papageorgiou*, V. P., Assimopoulou, A. N., **Couladouros, E. A.**,
Hepworth, D., Nicolaou*, K. C.
The Chemistry and Biology of Alkannin, Shikonin, and Related
Naphthazarin Natural Products
1999, *111*, 280–311; **1999**, *38*, 270–301

Cowley*, A. H., Jones*, R. A.
Single-Source III/V Precursors: A New Approach to Gallium
Arsenide and Related Semiconductors
1989, *101*, 1235–1243; **1989**, *28*, 1208–1215

Crabtree*, R. H.
Transition Metal Complexation of σ Bonds
1993, *105*, 828–845; **1993**, *32*, 789–805

Cram*, D. J.
Preorganization—From Solvents to Spherands
1986, *98*, 1041–1060; **1986**, *25*, 1039–1057
The Design of Molecular Hosts, Guests, and Their Complexes
(Nobel Lecture)
1988, *100*, 1041–1052; **1988**, *27*, 1009–1020

Cramer*, F.
The Synthesis of Oligo- and Polynucleotides
1966, *78*, 186–198; **1966**, *5*, 173–184

von der Haar, F., Gabius, H.-J., **Cramer*, F.**
Target Directed Drug Synthesis: The Aminoacyl-tRNA Synthetases as Possible Targets
1981, *93*, 250–256; **1981**, *20*, 217–223

Cramer*, F., Freist*, W.
Aminoacyl-tRNA Synthetases: The Division into Two Classes
Predicted by the Chemistry of Substrates and Enzymes
1993, *105*, 198–209; **1993**, *32*, 190–200

Balzani*, V., **Credi, A.**, Raymo, F. M., Stoddart*, J. F.
Artificial Molecular Machines
2000, *112*, 3484–3530; **2000**, *39*, 3348–3391

Crichton*, R. R.
Structure and Function of Ferritin
1973, *85*, 53–62; **1973**, *12*, 57–65

Crick*, F. H.
Über den genetischen Code (Nobel Lecture)
1963, *75*, 425–429; –

Criegee*, R.
Attempts to Synthesize Tetramethylcyclobutadiene
1962, *74*, 703–712; **1962**, *1*, 519–527
The Scientific Work of Hans Meerwein
1966, *78*, 347–353; **1966**, *5*, 333–338
Isomerizations in Cyclobutenes
1968, *80*, 585–591; **1968**, *7*, 559–565
Mechanism of Ozonolysis
1975, *87*, 765–771; **1975**, *14*, 745–752

Crist, D. R., Leonard*, N. J.
Small Charged Heterocycles
1969, *81*, 953–966; **1969**, *8*, 962–974

Blanche, F., Cameron, B., **Cronzet, J.**, Debussche, L., Thibaut, D.,
Vuilhorgne, M., Leeper, F. J., Battersby*, A. R.
Vitamin B₁₂: How the Problem of Its Biosynthesis Was Solved
1995, *107*, 421–452; **1995**, *34*, 383–411

Shambayati, S., **Crowe, W. E.**, Schreiber*, S. L.
On the Conformation and Structure of Organometal Complexes in
the Solid State: Two Studies Relevant to Chemical Synthesis
1990, *102*, 273–290; **1990**, *29*, 256–272

Crowfoot-Hodgkin*, D.
Die Röntgenstrukturanalyse komplizierter Moleküle (Nobel Lecture)
1965, *77*, 954–962; –

Crutzen*, P. J.
My Life with O₃, NO_x, and Other YZO_x Compounds (Nobel Lecture)
1996, *108*, 1878–1898; **1996**, *35*, 1758–1777

Curl*, R. F.
Dawn of the Fullerenes: Conjecture and Experiment (Nobel Lecture)
1997, *109*, 1636–1647; **1997**, *36*, 1566–1576

Curran*, D. P.
Strategy-Level Separations in Organic Synthesis: From Planning to Practice
1998, *110*, 1230–1255 (2569); **1998**, *37*, 1174–1196 (2292)

Folkers*, K., Johansson, N.-G., Hooper, F., **Currie, B.**,
Sievertsson, H., Chang, J.-K., Bowers, C. Y.
Chemistry and Biosynthesis of the Hypothalamic Releasing and
Inhibiting Neurohormones
1973, *85*, 271–280; **1973**, *12*, 255–264

Kröhnke*, F., Zecher, W., **Curtze, J.**, Drechsler, D., Pflieger, K.,
Schnalke, K. E., Weis, W.
Syntheses Using the Michael Addition of Pyridinium Salts
1962, *74*, 811–817; **1962**, *1*, 626–632

Cymerman Craig*, J., Bergenthal, M. D., Fleming, I.,
Harley-Mason, J.
Synthesis of Alkynes from Enol Esters
1969, *81*, 437–446; **1969**, *8*, 429–437



Däbritz*, E.
Syntheses and Reactions of *O,N,N'*-Trisubstituted Isoureas
1966, *78*, 483–490; **1966**, *5*, 470–477

Dachs*, K., Schwartz, E.
Pyrrolidone, Capryllactam and Lauro lactam as New Monomers for
Polyamide Fibers
1962, *74*, 540–545; **1962**, *1*, 430–435

- Wagner*, K., **Dahm, M.**
Growth Processes due to Reactions in Swellable Cellular Matrixes
1972, 84, 1001–1008; **1972**, 11, 990–997
- Dähne*, S.**, Leupold, D.
Coupling Principles in Organic Dyes
1966, 78, 1029–1039; **1966**, 5, 984–993
- Nicolaou*, K. C., **Dai, W.-M.**
Chemistry and Biology of the Enediyne Anticancer Antibiotics
1991, 103, 1453–1481; **1991**, 30, 1387–1416
- Nicolaou*, K. C., **Dai, W.-M.**, Guy, R. K.
Chemistry and Biology of Taxol
1994, 106, 38–69; **1994**, 33, 15–44
- Dale*, J.**
Conformational Aspects of Many-Membered Rings
1966, 78, 1070–1093; **1966**, 5, 1000–1021
- Dalko*, P. I.**, Moisan, L.
Enantioselective Organocatalysis
2001, 113, 3840–3864; **2001**, 40, 3726–3748
- Natta*, G., **Dall'Asta, G.**, Mazzanti, G.
Stereospecific Homopolymerization of Cyclopentene
1964, 76, 765–772; **1964**, 3, 723–729
- Daly*, J. W.**, Witkop, B.
Recent Studies on the Centrally Active Endogenous Amines
1963, 75, 552–572; **1963**, 2, 421–440
- Bock*, H., **Dammel, R.**
The Pyrolysis of Azides in the Gas Phase
1987, 99, 518–540; **1987**, 26, 504–526
- Holmlin, R. E., **Dandliker, P. J.**, Barton*, J. K.
Charge Transfer through the DNA Base Stack
1997, 109, 2830–2848; **1997**, 36, 2714–2730
- Danen*, W. C.**, Neugebauer, F. A.
Aminyl Free Radicals
1975, 87, 823–830; **1975**, 14, 783–789
- Danishefsky*, S. J.**, DeNinno, M. P.
Totally Synthetic Routes to the Higher Monosaccharides
1987, 99, 15–23; **1987**, 26, 15–23
- Danishefsky*, S. J.**, Bilodeau, M. T.
Glycals in Organic Synthesis: The Evolution of Comprehensive Strategies for the Assembly of Oligosaccharides and Glycoconjugates of Biological Consequence
1996, 108, 1482–1522; **1996**, 35, 1380–1419
- Danishefsky*, S. J.**, Allen, J. R.
From the Laboratory to the Clinic: A Retrospective on Fully Synthetic Carbohydrate-Based Anticancer Vaccines
2000, 112, 882–912; **2000**, 39, 836–863
- Chemler, S. R., Trauner, D., **Danishefsky*, S. J.**
The *B*-Alkyl Suzuki–Miyaura Cross-Coupling Reaction: Development, Mechanistic Study, and Applications in Natural Product Synthesis
2001, 113, 4676–4701; **2001**, 40, 4544–4568
- Dannenberg*, J. J.**
Predictive Molecular Orbital Calculations in Organic Chemistry
1976, 88, 602–608; **1976**, 15, 519–525
- Bernstein*, J., **Davey, R. J.**, Henck, J.-O.
Concomitant Polymorphs
1999, 111, 3646–3669; **1999**, 38, 3440–3461
- Ramdas, S., Thomas*, J. M., Betteridge, P. W., Cheetham, A. K., **Davies, E. K.**
Modelling the Chemistry of Zeolites by Computer Graphics
1984, 96, 629–637; **1984**, 23, 671–679
- Davies*, J. H.**, Gassen, H. G.
Synthetic Gene Fragments in Genetic Engineering—The Renaissance of Chemistry in Molecular Biology
1983, 95, 26–44; **1983**, 22, 13–31
- Davis, A. M.**, Teague*, S. J.
Hydrogen Bonding, Hydrophobic Interactions, and Failure of the Rigid Receptor Hypothesis
1999, 111, 778–792; **1999**, 38, 736–749
- Davis*, A. P.**, Wareham, R. S.
Carbohydrate Recognition through Noncovalent Interactions: A Challenge for Biomimetic and Supramolecular Chemistry
1999, 111, 3160–3179; **1999**, 38, 2978–2996
- Bernstein*, J., **Davis*, R. E.**, Shimoni, L., Chang, N.-L.
Patterns in Hydrogen Bonding: Functionality and Graph Set Analysis in Crystals
1995, 107, 1689–1708; **1995**, 34, 1555–1573
- Day*, P.**
Polarized Low-Temperature Crystal Spectra of Inorganic Complexes
1980, 92, 290–301; **1980**, 19, 290–301
- de Gennes*, P.-G.**
Soft Matter (Nobel Lecture)
1992, 104, 856–859; **1992**, 31, 842–845
- Sierra*, M. A., **de la Torre, M. C.**
Dead Ends and Detours En Route to Total Syntheses of the 1990s
2000, 112, 1628–1650; **2000**, 39, 1538–1559
- Adam*, W., **De Lucchi, O.**
The Synthesis of Unusual Organic Molecules from Azoalkanes
1980, 92, 815–832; **1980**, 19, 762–779
- de Meijere*, A.**
Bonding Properties of Cyclopropane and Their Chemical Consequences
1979, 91, 867–884; **1979**, 18, 809–826
- de Meijere*, A.**, Meyer, F. E.
Fine Feathers Make Fine Birds: The Heck Reaction in Modern Garb
1994, 106, 2473–2506; **1994**, 33, 2379–2411
- de Meijere*, A.**, Schirmer, H., Duetsch, M.
Fischer Carbene Complexes as Chemical Multitalents: The Incredible Range of Products from Carbenepentacarbonylmetal α,β -Unsaturated Complexes
2000, 112, 4124–4162; **2000**, 39, 3964–4002
- Bianchi*, G., **De Micheli, C.**, Gandolfi, R.
1,3-Dipolar Cycloreversions
1979, 91, 781–798; **1979**, 18, 721–738
- Schlittler*, E., **de Stevens, G.**, Werner, L.
Recent Developments in Non-Mercurial Diuretics
1962, 74, 317–326; **1962**, 1, 235–245
- de Stevens*, G.**, Blatter, H. M., Carney, R. W. J.
Novel Approaches to the Synthesis of Some Heterocycles Containing Nitrogen
1966, 78, 125–129; **1966**, 5, 35–39
- de Vries*, H.**
Eine einheitliche Darstellung der optischen Anisotropie von Folien und Fasern
1962, 74, 574–580; –
- Wieland*, T., Lüben, G., Ottenheim, H., Faesel, J., **de Vries, J. X.**, Konz, W., Prox, A., Schmid, J.
The Discovery, Isolation, Elucidation of Structure, and Synthesis of Antamanide
1968, 80, 209–213; **1968**, 7, 204–208
- Blanche, F., Cameron, B., Cronzet, J., **Debussche, L.**, Thibaut, D., Vuilhorgne, M., Leeper, F. J., Battersby*, A. R.
Vitamin B₁₂: How the Problem of Its Biosynthesis Was Solved
1995, 107, 421–452; **1995**, 34, 383–411
- Horn*, C. F., Freure, B. T., Vineyard, H., **Decker, H. J.**
Nylon 7, ein faserbildendes Polyamid
1962, 74, 531–534; –

Decker*, K., Jungermann, K., Thauer, R. K.
Energy Production in Anaerobic Organisms
1970, 82, 153–173; **1970**, 9, 138–158

Zenobi*, R., **Deckert, V.**
Scanning Near-Field Optical Microscopy and Spectroscopy as a Tool for Chemical Analysis
2000, 112, 1814–1825; **2000**, 39, 1746–1756

Holtschmidt*, H., **Degener, E.**, Schmelzer, H.-G., Tarnow, H., Zecher, W.
Preparation, Properties, and Reactions of Polychloroamine Derivatives
1968, 80, 942–953; **1968**, 7, 856–867

Dehmelt*, H.
Experiments with an Isolated Subatomic Particle at Rest (Nobel Lecture)
1990, 102, 774–779; **1990**, 29, 734–738

Dehmloew*, E. V.
Phase-Transfer Catalyzed Two-Phase Reactions in Preparative Organic Chemistry
1974, 86, 187–196; **1974**, 13, 170–179
Advances in Phase-Transfer Catalysis
1977, 89, 521–533; **1977**, 16, 493–505

Dehnicke*, K.
Syntheses of Oxide Halides
1965, 77, 22–29; **1965**, 4, 22–29
Reactions of Halogen Azides
1967, 79, 253–259; **1967**, 6, 240–246
The Chemistry of Iodine Azide
1979, 91, 527–534; **1979**, 18, 507–514

Dehnicke, K., Strähle*, J.
The Transition Metal-Nitrogen Multiple Bond
1981, 93, 451–464; **1981**, 20, 413–426

Dehnicke*, K., Strähle, J.
Nitrido Complexes of Transition Metals
1992, 104, 978–1000; **1992**, 31, 955–978

Fischer*, W., **Deierling, B.**, Heitsch, H., Otto, G., Pohlmann, H.-P., Reinhardt, K.
The Separation of Zirconium and Hafnium by Liquid-Liquid Partition of Their Thiocyanates
1966, 78, 19–27; **1966**, 5, 15–23

Deisenhofer*, J., Michel*, H.
The Photosynthetic Reaction Center from the Purple Bacterium *Rhodospseudomonas viridis* (Nobel Lecture)
1989, 101, 872–892; **1989**, 28, 829–847

Powell*, K. A., Ramer, S. W., **del Cardayré, S. B.**, Stemmer, W. P. C., Tobin, M. B., Longchamp, P. F., Huisman, G. W.
Directed Evolution and Biocatalysis
2001, 113, 4068–4080; **2001**, 40, 3948–3959

Delbrück*, M.
Signal Transducers: Terra Incognita of Molecular Biology
1972, 84, 1–7; **1972**, 11, 1–6

Seiler*, N., **Demisch, L.**, Schneider, H.
Biochemistry and Function of Biogenic Amines in the Central Nervous System
1971, 83, 53–69; **1971**, 10, 51–66

Demuth*, M., Schaffner*, K.
Tricyclo[3.3.0.0^{2,8}]octan-3-ones: Photochemically Prepared Building Blocks for Enantiospecific Total Syntheses of Cyclopentanoid Natural Products
1982, 94, 809–825; **1982**, 21, 820–836

Ugi*, I., Bauer, J., Bley, K., **Dengler, A.**, Dietz, A., Fontain, E., Gruber, B., Herges, R., Knauer, M., Reitsam, K., Stein, N.
Computer-Assisted Solution of Chemical Problems—The Historical Development and the Present State of the Art of a New Discipline of Chemistry
1993, 105, 210–239; **1993**, 32, 201–227

Danishefsky*, S. J., **DeNinno, M. P.**
Totally Synthetic Routes to the Higher Monosaccharides
1987, 99, 15–23; **1987**, 26, 15–23

Kraft*, P., Bajgrowicz, J. A., **Denis, C.**, Fráter, G.
Odds and Trends: Recent Developments in the Chemistry of Odorants
2000, 112, 3106–3138; **2000**, 39, 2980–3010

Dennis, N., Katritzky*, A. R., Takeuchi, Y.
Synthetic Applications of Heteroaromatic Betaines with Six-Membered Rings
1976, 88, 41–49; **1976**, 15, 1–9

Derkatsch*, G. I.
Phosphorus Isocyanates
1969, 81, 407–415; **1969**, 8, 421–428

Deschler*, U., Kleinschmit, P., Panster, P.
3-Chloropropyltrialkoxysilanes—Key Intermediates for the Commercial Production of Organofunctionalized Silanes and Polysiloxanes
1986, 98, 237–253; **1986**, 25, 236–252

Wells, S. L., **DeSimone*, J. M.**
CO₂ Technology Platform: An Important Tool for Environmental Problem Solving
2001, 113, 534–544; **2001**, 40, 518–527

Desiraju*, G. R.
Supramolecular Synthons in Crystal Engineering—A New Organic Synthesis
1995, 107, 2541–2558; **1995**, 34, 2311–2327

Wieland*, T., **Determann, H.**
Methods of Peptide Synthesis
1963, 75, 539–551; **1963**, 2, 358–370

Determann*, H.
Chromatographic Separations on Porous Gels
1964, 76, 635–644; **1964**, 3, 608–617

Deuchert, K., Hünig*, S.
Multistage Organic Redox Systems—A General Structural Principle
1978, 90, 927–938; **1978**, 17, 875–886

Jacquemain, D., Wolf, S. G., Leveiller, F., **Deutsch, M.**, Kjaer*, K., Als-Nielsen*, J., Lahav*, M., Leiserowitz*, L.
Two-Dimensional Crystallography of Amphiphilic Molecules at the Air–Water Interface
1992, 104, 134–158; **1992**, 31, 130–152

Deutscher*, J., Saier, M. H., Jr.
Protein Phosphorylation in Bacteria—Regulation of Gene Expression, Transport Functions, and Metabolic Processes
1988, 100, 1072–1082; **1988**, 27, 1040–1049

Dewar*, M. J. S., Fahey, R. C.
The Polar Addition of Hydrogen Halides onto Olefins
1964, 76, 320–325; **1964**, 3, 245–249

Dewar*, M. J. S.
Aromaticity and Pericyclic Reactions
1971, 83, 859–875; **1971**, 10, 761–776

Di Vaira, M., Sacconi*, L.
Transition Metal Complexes with *cyclo*-Triphosphorus (η^3 -P₃) and *tetrahedro*-Tetraphosphorus (η^1 -P₄) Ligands
1982, 94, 338–351; **1982**, 21, 330–342

Diana*, G. D., Pancic, F.
Chemotherapy of Virus Diseases
1976, 88, 458–465; **1976**, 15, 410–416

Oschkinat*, H., Müller, T., **Dieckmann, T.**
Protein Structure Determination with Three- and Four-Dimensional NMR Spectroscopy
1994, 106, 284–300; **1994**, 33, 277–293

Diederich*, F.
Complexation of Neutral Molecules by Cyclophane Hosts
1988, 100, 372–396; **1988**, 27, 362–386

Diederich*, F., Rubin, Y.

Synthetic Approaches toward Molecular and Polymeric Carbon Allotropes

1992, *104*, 1123–1146; **1992**, *31*, 1101–1123

Thilgen, C., Herrmann, A., **Diederich*, F.**

The Covalent Chemistry of Higher Fullerenes: C₇₀ and Beyond

1997, *109*, 2362–2374; **1997**, *36*, 2268–2280

Martin, R. E., **Diederich*, F.**

Linear Monodisperse π -Conjugated Oligomers: Model Compounds for Polymers and More

1999, *111*, 1440–1469; **1999**, *38*, 1350–1377

Siemsen, P., Livingston, R. C., **Diederich*, F.**

Acetylenic Coupling: A Powerful Tool in Molecular Construction

2000, *112*, 2740–2767; **2000**, *39*, 2632–2657

Boehm*, H.-P., **Diehl, E.**, Heck, W., Sappok, R.

Surface Oxides of Carbon

1964, *76*, 743–751; **1964**, *3*, 669–677

Hoffmann*, H., **Diehr, H. J.**

Phosphonium Salt Formation of the Second Kind

1964, *76*, 944–953; **1964**, *3*, 737–746

Müller*, A., **Diemann, E.**, Jostes, R., Bögge, H.

Transition Metal Thiometalates: Properties and Their Significance in Complex and Bioinorganic Chemistry

1981, *93*, 957–977; **1981**, *20*, 934–955

Seeliger, W., Aufderhaar, E., **Diepers, W.**, Feinauer, R.,

Nehring, R., Thier, W., Hellmann*, H.

Recent Syntheses and Reactions of Cyclic Imidic Esters

1966, *78*, 913–927; **1966**, *5*, 875–888

Dieterich*, D., Keberle, W., Witt, H.

Polyurethane Ionomers, a New Class of Block Polymers

1970, *82*, 53–63; **1970**, *9*, 40–50

Wagner*, K., Findeisen, K., Schäfer, W., **Dietrich, W.**

α,ω -Diisocyanatocarbodiimides, -Polycarbodiimides, and Their Derivatives

1981, *93*, 855–866; **1981**, *20*, 819–830

Ugi*, I., Bauer, J., Bley, K., Dengler, A., **Dietz, A.**, Fontain, E.,

Gruber, B., Herges, R., Knauer, M., Reitsam, K., Stein, N.

Computer-Assisted Solution of Chemical Problems—The Historical Development and the Present State of the Art of a New Discipline of Chemistry

1993, *105*, 210–239; **1993**, *32*, 201–227

Müller*, A., Reuter*, H., **Dillinger, S.**

Supramolecular Inorganic Chemistry: Small Guests in Small and Large Hosts

1995, *107*, 2505–2539; **1995**, *34*, 2328–2361

Dimroth*, K.

Hans Meerwein, the Teacher and the Man

1966, *78*, 353–355; **1966**, *5*, 338–341

Dimroth*, K., Berndt, A., Bär, F., Schweig, A., Volland, R.

Spin Density Distribution in 2,4,6-Triphenylphenoxy

1967, *79*, 69–76; **1967**, *6*, 34–40

Clark*, R. J. H., **Dines, T. J.**

Resonance Raman Spectroscopy, and its Application to Inorganic Chemistry

1986, *98*, 131–160; **1986**, *25*, 131–158

Lüttringhaus*, A., **Dirksen, H. W.**

Tetramethylurea as a Solvent and Reagent

1963, *75*, 1059–1068; **1964**, *3*, 260–269

Dischler*, D.

Classification and Analysis of NMR Spectra

1966, *78*, 653–663; **1966**, *5*, 623–633

Dislich*, H.

New Routes to Multicomponent Oxide Glasses

1971, *83*, 428–435; **1971**, *10*, 363–370

Dislich*, H., Jacobsen, A.

Light Guide Systems for the Ultraviolet Region of the Spectrum

1973, *85*, 468–473; **1973**, *12*, 439–444

Dislich*, H.

Plastics as Optical Materials

1979, *91*, 52–61; **1979**, *18*, 49–59

Distler*, H.

The Chemistry of Vinylsulfonic Acid

1965, *77*, 291–302; **1965**, *4*, 300–311

The Chemistry of Bunte Salts

1967, *79*, 520–529; **1967**, *6*, 544–553

Brown, P., **Djerassi*, C.**

Electron-Impact Induced Rearrangement Reactions of Organic Molecules

1967, *79*, 481–500; **1967**, *6*, 477–496

Dobson*, C. M., Šali, A., Karplus*, M.

Protein Folding: A Perspective from Theory and Experiment

1998, *110*, 908–935; **1998**, *37*, 868–893

Dockner*, T.

Reduction and Hydrogenation with the System

Hydrocarbon/Carbon

1988, *100*, 699–702; **1988**, *27*, 679–682

Dodt*, J.

Anticoagulatory Substances of Bloodsucking Animals:

From Hirudin to Hirudin Mimetics

1995, *107*, 948–962; **1995**, *34*, 867–880

Doelle, H.-J., Rieckert*, L.

Kinetics of Sorption, Desorption, and Diffusion in Zeolites

1979, *91*, 309–316; **1979**, *18*, 266–272

Doerfler*, W.

DNA Methylation: Site-Specific Methylations Cause Gene Inactivation

1984, *96*, 917–929; **1984**, *23*, 919–931

Doering*, W. von E., Roth, W. R.

Thermal Rearrangements

1963, *75*, 27–35; **1963**, *2*, 115–122

Doherty*, P. C.

Cell-Mediated Immunity in Virus Infections (Nobel Lecture)

1997, *109*, 2014–2025; **1997**, *36*, 1926–1936

Dohmeier, C., Loos, D., Schnöckel*, H.

Aluminum(I) and Gallium(I) Compounds: Syntheses, Structures, and Reactions

1996, *108*, 141–161; **1996**, *35*, 129–149

Simon*, W., Wuhrmann, H.-R., Vašák, M., Pioda, L. A. R.,

Dohner, R., Štefanac, Z.

Ion-Selective Sensors

1970, *82*, 433–443; **1970**, *9*, 445–455

Fugmann*, R., **Dölling, U.**, Nickelsen, H.

A Topological Approach to the Problem of Ring Structures

1967, *79*, 802–813; **1967**, *6*, 723–733

Baganz*, H., **Domaschke, L.**

Synthesen mit Di- α -halogenäthern

1962, *74*, 144–150; –

Köppel, H., Cederbaum*, L. S., **Domecke, W.**, Shaik, S.

Symmetry Breaking and Non-Born-Oppenheimer Effects in Radical Cations

1983, *95*, 221–236; **1983**, *22*, 210–224

Dömling*, A., Ugi, I.

Multicomponent Reactions with Isocyanides

2000, *112*, 3300–3344; **2000**, *39*, 3168–3210

Eckes, P., **Donn, G.**, Wengenmayer*, F.

Genetic Engineering With Plants

1987, *99*, 392–412; **1987**, *26*, 382–402

Dorlars*, A., Schellhammer, C.-W., Schroeder, J.

Heterocycles as Structural Units in New Optical Brighteners

1975, *87*, 693–707; **1975**, *14*, 665–679

Dörr*, F.

Spectroscopy with Polarized Light
1966, 78, 457–474; **1966**, 5, 478–495

Dötz*, K. H.

Carbene Complexes in Organic Synthesis
1984, 96, 573–594; **1984**, 23, 587–608

Batey, R. T., Rambo, R. P., **Doudna*, J. A.**
 Tertiary Motifs in RNA Structure and Folding
1999, 111, 2472–2491; **1999**, 38, 2326–2343

Douglas*, K. T., Shinkai, S.

Chemical Basis of the Action of Glyoxalase I, an Anticancer Target Enzyme
1985, 97, 32–45; **1985**, 24, 31–44

Draber, W., Kluth, J. F., Tietjen, K., Trebst*, A.

Herbicides in Photosynthesis Research
1991, 103, 1650–1663; **1991**, 30, 1621–1633

Draganjac, M., Rauchfuss*, T. B.

Transition Metal Polysulfides: Coordination Compounds with Purely Inorganic Chelate Ligands
1985, 97, 745–760; **1985**, 24, 742–757

Dräger*, M., Gattow, G.

Chalcogenocarbonic Acids and Their Anions
1968, 80, 954–965; **1968**, 7, 868–879

Drauz, K., Kleemann, A., Martens*, J.

Induction of Asymmetry by Amino Acids
1982, 94, 590–613; **1982**, 21, 584–608

Drawert*, F., Bachmann, O.

Modern Methods for the Separation and Continuous Measurement in the Gas Phase of Compounds Labelled with Radiocarbon
1963, 75, 717–722; **1963**, 2, 540–545

Kröhnke*, F., Zecher, W., Curtze, J., **Drechsler, D.**, Pflighar, K., Schnalke, K. E., Weis, W.

Syntheses Using the Michael Addition of Pyridinium Salts
1962, 74, 811–817; **1962**, 1, 626–632

Drickamer*, H. G.

Electronic Transitions in Transition Metal Compounds at High Pressure
1974, 86, 61–70; **1974**, 13, 39–47

Driess*, M., Grützmacher*, H.

Main Group Element Analogues of Carbenes, Olefins, and Small Rings
1996, 108, 900–929; **1996**, 35, 828–856

Landrum, G. A., Dronskowski*, R.

The Orbital Origins of Magnetism: From Atoms to Molecules to Ferromagnetic Alloys
2000, 112, 1598–1627 (1957); **2000**, 39, 1560–1585

Drowart*, J., Goldfinger, P.

Investigation of Inorganic Systems at High Temperature by Mass Spectrometry
1967, 79, 589–604; **1967**, 6, 581–596

de Meijere*, A., Schirmer, H., Duetsch, M.

Fischer Carbene Complexes as Chemical Multitalents: The Incredible Range of Products from Carbenepentacarbonylmetal α,β -Unsaturated Complexes
2000, 112, 4124–4162; **2000**, 39, 3964–4002

Eschenmoser*, A., Bertele, E., Boos, H., **Dunitz, J. D.**, Elsinger, F., Felner, I., Gribo, H. P., Gschwend, H., Meyer, E. F., Pesaro, M., Scheffold, R.

A Synthetic Route to the Corrin System
1964, 76, 393–399; **1964**, 3, 490–496

Dunitz*, J. D., Maverick*, E. F., Trueblood*, K. N.

Atomic Motions in Molecular Crystals from Diffraction Measurements
1988, 100, 910–926; **1988**, 27, 880–895

Dürckheimer*, W.

Tetracyclines: Chemistry, Biochemistry, and Structure–Activity Relations
1975, 87, 751–764; **1975**, 14, 721–734

Dürckheimer*, W., Blumbach, J., Lattrell, R., Scheunemann, K. H.

Recent Developments in the Field of β -Lactam Antibiotics
1985, 97, 183–205; **1985**, 24, 180–202

Dürr*, H., Gleiter, R.

Spiroconjugation
1978, 90, 591–601; **1978**, 17, 559–569

Dürr*, H.

Perspectives in Photochromism: A Novel System Based on the 1,5-Electrocyclization of Heteroanalogous Pentadienyl Anions
1989, 101, 427–445; **1989**, 28, 413–431

Dury*, K.

New Methods in the Chemistry of Pyridazines
1965, 77, 282–290; **1965**, 4, 292–300

Reinemer, P., Sebald, W., Duschl*, A.

The Interleukin-4-Receptor: From Recognition Mechanism to Pharmacological Target Structure
2000, 112, 2954–2966; **2000**, 39, 2834–2846

Dye*, J. L.

Compounds of Alkali Metal Anions
1979, 91, 613–625; **1979**, 18, 587–598

Dyker*, G.

Transition Metal Catalyzed Coupling Reactions under C–H Activation
1999, 111, 1808–1822; **1999**, 38, 1698–1712



Koerner von Gustorf*, E. A., Jaenicke, O., Wolfbeis, O.,

Eady, C. R.

The Laser-Evaporation of Metals and Its Application to Organometallic Synthesis
1975, 87, 300–309; **1975**, 14, 278–286

Eaton*, P. E.

Cubanes: Starting Materials for the Chemistry of the 1990s and the New Century
1992, 104, 1447–1462; **1992**, 31, 1421–1436

Grisebach*, H., Ebel, J.

Phytoalexins, Chemical Defense Substances of Higher Plants?
1978, 90, 668–681; **1978**, 17, 635–647

Ebel*, S., Seuring, A.

Fully Automatic Potentiometric Titrations
1977, 89, 129–141; **1977**, 16, 157–169

Rüchardt*, C., Gerst, M., Ebenhoch, J.

Uncatalyzed Transfer Hydrogenation and Transfer Hydrogenolysis: Two Novel Types of Hydrogen-Transfer Reactions
1997, 109, 1474–1498; **1997**, 36, 1406–1430

Eberstadt, M., Gemmecker, G., Mierke, D. F., Kessler*, H.

Scalar Coupling Constants—Their Analysis and Their Application for the Elucidation of Structures
1995, 107, 1813–1838; **1995**, 34, 1671–1695

Hoffmann*, H., Ebert, G.

Surfactants, Micelles and Fascinating Phenomena
1988, 100, 933–944; **1988**, 27, 902–912

Ebert*, K. H., Ederer, H. J., Isbarn, G.

Computer Simulation of the Kinetics of Complicated Gas Phase Reactions
1980, 92, 331–342; **1980**, 19, 333–343

Henrich, E., **Ebert*, K. H.**

The Chemistry of GALLEX—Measurement of Solar Neutrinos with a Radiochemical Gallium Detector
1992, *104*, 1310–1324; **1992**, *31*, 1283–1297

Eccles*, J. C.

Der Mechanismus der postsynaptischen Hemmung (Nobel Lecture)
1964, *76*, 674–681; –

Boulas, P. L., Gómez-Kaifer, M., **Echegoyen*, L.**

Electrochemistry of Supramolecular Systems
1998, *110*, 226–258; **1998**, *37*, 216–247

Echte*, A., Haaf, F., Hambrecht, J.

Half a Century of Polystyrene—A Survey of the Chemistry and Physics of a Pioneering Material
1981, *93*, 372–388; **1981**, *20*, 344–361

Luckenbach*, R., **Ecker, R.**, Sunkel, J.

The Critical Screening and Assessment of Scientific Results without Loss of Information—Possible or Not?
1981, *93*, 876–885; **1981**, *20*, 841–849

Eckert*, H. G.

Radioimmunoassay
1976, *88*, 565–574; **1976**, *15*, 525–533

Beller*, M., **Eckert, M.**

Amidocarbonylation—An Efficient Route to Amino Acid Derivatives
2000, *112*, 1026–1044; **2000**, *39*, 1010–1027

Eckes, P., Donn, G., Wengenmayer*, F.

Genetic Engineering With Plants
1987, *99*, 392–412; **1987**, *26*, 382–402

Eckstein*, F.

Investigation of Enzyme Mechanisms with Nucleoside Phosphorothioates
1975, *87*, 179–186; **1975**, *14*, 160–166
 Phosphorothioate Analogues of Nucleotides—Tools for the Investigation of Biochemical Processes
1983, *95*, 431–447; **1983**, *22*, 423–439

Economy*, J.

Advanced Materials: Trends and Possibilities in Liquid Crystalline Polymers
1990, *102*, 1296–1301; **1990**, *29*, 1256–1261

Edelman*, G. M.

Antikörperstruktur und molekulare Immunologie (Nobel Lecture)
1973, *85*, 1083–1096; –

Edelmann*, F. T.

Cyclopentadienyl-Free Organolanthanide Chemistry
1995, *107*, 2647–2669; **1995**, *34*, 2466–2488

Edenhofer, F., Weiss, S., Winnacker*, E.-L., Famulok*, M.

Chemistry and Molecular Biology of Transmissible Spongiform Encephalopathies
1997, *109*, 1748–1769; **1997**, *36*, 1674–1694

Ebert*, K. H., **Ederer, H. J.**, Isbarn, G.

Computer Simulation of the Kinetics of Complicated Gas Phase Reactions
1980, *92*, 331–342; **1980**, *19*, 333–343

Bredereck*, H., **Effenberger, F.**, Hofmann, A., Hajek, M.

Syntheses of *s*-Triazine and Substituted *s*-Triazines
1963, *75*, 825–830; **1963**, *2*, 655–659

Effenberger*, F.

The Chemistry of Enol Ethers
1969, *81*, 374–391; **1969**, *8*, 295–312
 Electrophilic Reagents—Recent Developments and Their Preparative Application
1980, *92*, 147–168; **1980**, *19*, 151–171
 Synthesis of Reactions of Optically Active Cyanohydrins
1994, *106*, 1609–1619; **1994**, *33*, 1555–1564

Wallenfels*, K., Bechtler, G., Kuhn, R., Trischmann, H., **EGGE, H.**

Permethylated Oligomeric and Polymeric Carbohydrates and Quantitative Analysis of the Cleavage Products
1963, *75*, 1014–1022; **1963**, *2*, 515–523

Eggenberger, U., Bodenhausen*, G.

Modern NMR Pulse Experiments: A Graphical Description of the Evolution of Spin Systems
1990, *102*, 392–402; **1990**, *29*, 374–383

Eggers*, R.

Large-Scale Industrial Plant for Extraction with Supercritical Gases
1978, *90*, 799–802; **1978**, *17*, 751–754

Eggert*, J.

Walter Nernst
1964, *76*, 445–455; –

Prelog*, V., Kovačević, M., **Egli, M.**

Lipophilic Tartaric Acid Esters as Enantioselective Ionophores
1989, *101*, 1173–1178; **1989**, *28*, 1147–1152

Egli*, M.

Structural Aspects of Nucleic Acid Analogs and Antisense Oligonucleotides
1996, *108*, 2020–2036; **1996**, *35*, 1894–1909

Ugi*, I., Fetzer, U., **Eholzer, U.**, Knupfer, H., Offermann, K.

Isonitrile Syntheses
1965, *77*, 492–504; **1965**, *4*, 472–484

Ehrhart*, G.

Über Umsetzungen mit Phenylsodium
1963, *75*, 855–856; –

Eiben*, K.

Solvated and Stabilized Electrons in Radiation-Chemical Processes
1970, *82*, 652–666; **1970**, *9*, 619–632

Eibl*, H.

Phospholipids as Functional Constituents of Biomembranes
1984, *96*, 247–262; **1984**, *23*, 257–271

Zinsmeister*, H. D., Becker, H., **Eicher, T.**

Bryophytes, a Source of Biologically Active, Naturally Occurring Material?
1991, *103*, 134–151; **1991**, *30*, 130–147

Bier*, G., Messwarb, G., Nölken, E., Lederer, M., **Eichhorn, W.**, Hofmann, K.

Neue Methode zur Polymerisation von Äthylen bei niedrigen Drücken
1962, *74*, 977–984; –

Eichmann*, K.

Transmembrane Signaling of T Lymphocytes by Ligand-Induced Receptor Complex Assembly
1993, *105*, 56–66; **1993**, *32*, 54–63

Eigen*, M.

Proton Transfer, Acid-Base Catalysis, and Enzymatic Hydrolysis
1963, *75*, 489–508; **1964**, *3*, 1–19
 Die „unmeßbar“ schnellen Reaktionen (Nobel Lecture)
1968, *80*, 892–906; –

Winkler-Oswatitsch, R., **Eigen*, M.**

The Art of Titration
1979, *91*, 20–51; **1979**, *18*, 20–49

Eigen*, M.

Darwin and Molecular Biology
1981, *93*, 221–229; **1981**, *20*, 233–241

Schäfer*, H., **Eisenmann, B.**, Müller, W.

Zintl Phases: Transitions between Metallic and Ionic Bonding
1973, *85*, 742–760; **1973**, *12*, 694–712

Eliel*, E. L.

Conformational Analysis in Mobile Cyclohexane Systems
1965, *77*, 784–797; **1965**, *4*, 761–774

Conformational Analysis in Heterocyclic Systems: Recent Results and Applications

1972, 84, 779–791; **1972**, 11, 739–750

Elion*, G. B.

The Purine Path to Chemotherapy (Nobel Lecture)

1989, 101, 893–902; **1989**, 28, 870–878

Elliott, S. R., Rao, C. N. R., Thomas*, J. M.

The Chemistry of the Noncrystalline State

1986, 98, 31–46; **1986**, 25, 31–46

Eschenmoser*, A., Bertele, E., Boos, H., Dunitz, J. D., **Elsinger, F.**, Felner, I., Gribo, H. P., Gschwend, H., Meyer, E. F., Pesaro, M., Scheffold, R.

A Synthetic Route to the Corrin System

1964, 76, 393–399; **1964**, 3, 490–496

Emanuel*, N. M., Maizus, Z. K., Skibida, I. P.

The Catalytic Activity of Transition Metal Compounds in the Liquid-Phase Oxidation of Hydrocarbons

1969, 81, 91–101; **1969**, 8, 97–107

Emeléus*, H. J.

Recent Studies on Fluoroalkyls and Related Compounds

1962, 74, 189–193; **1962**, 1, 129–133

Reichner*, K., Habicht, H., Härtel, K., **Emmel, L.**

Ester des 4,6-Dinitro-2-sec.butylphenols als Pflanzenschutzmittel

1962, 74, 994–998; –

Emmelius*, M., Pawlowski*, G., Vollmann*, H. W.

Materials for Optical Data Storage

1989, 101, 1475–1502; **1989**, 28, 1445–1471

Seebach*, D., **Enders, D.**

Umpolung of Amine Reactivity. Nucleophilic α -(Secondary Amino)alkylation via Metalated Nitrosamines

1975, 87, 1–18; **1975**, 14, 15–32

Endres*, H., Hörmann, H.

Preparative and Analytical Separation of Organic Compounds by Means of Chromatography on Polyamide

1963, 75, 288–294; **1963**, 2, 254–260

Blokzijl*, W., **Engberts*, J. B. F. N.**

Hydrophobic Effects. Opinions and Facts

1993, 105, 1610–1648; **1993**, 32, 1545–1579

Kutscher*, B., Bernd, M., Beckers, T., Polymeropoulos, E. E.,

Engel, J. (Frankfurt)

Chemistry and Molecular Biology in the Search for New LHRH Antagonists

1997, 109, 2240–2254; **1997**, 36, 2148–2161

Engel*, J. (München, Basel), Schwarz, G.

Cooperative Conformational Transitions of Linear Biopolymers

1970, 82, 468–479; **1970**, 9, 389–400

Schwarz*, G., **Engel*, J. (München, Basel)**

Kinetics of Cooperative Conformational Transitions of Linear Biopolymers

1972, 84, 615–623; **1972**, 11, 568–575

von Jagow*, G., **Engel, W. D.**

Structure and Function of the Energy-Converting System of Mitochondria

1980, 92, 684–700; **1980**, 19, 659–675

Engelbrecht*, A.

Fluorosulfuric Acid as a Reaction Medium and Fluorinating Agent in Inorganic Chemistry

1965, 77, 695–699; **1965**, 4, 641–645

Engelhard*, N., Prchal, K., Nenner, M.

Acetylcholin Esterase

1967, 79, 604–616; **1967**, 6, 615–626

Engelhardt*, H., Beck, W., Kohr, J., Schmitt, T.

Capillary Electrophoresis: Methods and Scope

1993, 105, 659–680; **1993**, 32, 629–649

Engels*, J. W., Uhlmann*, E.

Gene Synthesis

1989, 101, 733–752; **1989**, 28, 716–734

Englisch*, U., Gauss, D. H., Freist, W., **Englisch, S.**, Sternbach, H., von der Haar, F.

Error Rates of the Replication and Expression of Genetic Information

1985, 97, 1033–1043; **1985**, 24, 1015–1025

Englisch*, U., Gauss, D. H., Freist, W., Englisch, S., Sternbach, H., von der Haar, F.

Error Rates of the Replication and Expression of Genetic Information

1985, 97, 1033–1043; **1985**, 24, 1015–1025

Englisch*, U., Gauss*, D. H.

Chemically Modified Oligonucleotides as Probes and Inhibitors

1991, 103, 629–646; **1991**, 30, 613–629

Simchen*, G., **Entenmann, G.**

Syntheses of Heterocycles by Intramolecular Acylation of Nitrile-Hydrogen Halide Adducts

1973, 85, 155–162; **1973**, 12, 119–126

Epiotis*, N. D.

The Theory of Pericyclic Reactions

1974, 86, 825–855; **1974**, 13, 751–780

Cammenga, H. K., **Eppe*, M.**

Basic Principles of Thermoanalytical Techniques and Their Applications in Preparative Chemistry

1995, 107, 1284–1301; **1995**, 34, 1171–1187

Moser, R., Klauser, S., Leist, T., Langen, H., **Epprecht, T.**, Gutte*, B.

Applications of Synthetic Peptides

1985, 97, 737–745; **1985**, 24, 719–727

Miller*, J. S., **Epstein, A. J.**

Control of the Electronic Structure of Organic Conductors as Exemplified by [NMP][TCNQ] Charge-Transfer Complexes

1987, 99, 332–339; **1987**, 26, 287–293

Miller*, J. S., **Epstein*, A. J.**

Organic and Organometallic Molecular Magnetic Materials—Designer Magnets

1994, 106, 399–432; **1994**, 33, 385–415

Erbe*, F., Grewer, T., Wehage, K.

Zur Kinetik des homogenen Zerfalls von Chlorkohlenwasserstoffen in der Gasphase

1962, 74, 988–993; –

Erker*, G.

Metallocene Carbene Complexes and Related Compounds of Titanium, Zirconium, and Hafnium

1989, 101, 411–426; **1989**, 28, 397–412

Röttger, D., **Erker*, G.**

Compounds Containing Planar-Tetra-coordinate Carbon

1997, 109, 840–856; **1997**, 36, 812–827

Ernest*, I.

A Synthesis of Prostaglandins: Strategy and Reality

1976, 88, 244–252; **1976**, 15, 207–214

Belluš*, D., **Ernst*, B.**

Cyclobutanones and Cyclobutenones in Nature and in Synthesis

1988, 100, 820–850; **1988**, 27, 797–827

Ernst*, R. R.

Nuclear Magnetic Resonance Fourier Transform Spectroscopy (Nobel Lecture)

1992, 104, 817–836; **1992**, 31, 805–823

Bertagnolli*, H., **Ertel*, T. S.**

X-Ray Absorption Spectroscopy of Amorphous, Solids, Liquids, and Catalytic and Biochemical Systems—Capabilities and Limitations

1994, 106, 15–37; **1994**, 33, 45–66

Wallenfels*, K., Friedrich, K., Rieser, J., **Ertel, W.**, Thieme, H. K.
The Analogy between O and C(CN)₂
1976, 88, 311–320; **1976**, 15, 261–270

Ertl*, G.

Elementary Processes at Gas/Metal Interfaces

1976, 88, 423–433; **1976**, 15, 391–400

Elementary Steps in Heterogeneous Catalysis

1990, 102, 1258–1266; **1990**, 29, 1219–1227

Eschenmoser*, A., Bertele, E., Boos, H., Dunitz, J. D.,
Elsinger, F., Felner, I., Gribo, H. P., Gschwend, H., Meyer, E. F.,
Pesaro, M., Scheffold, R.

A Synthetic Route to the Corrin System

1964, 76, 393–399; **1964**, 3, 490–496

Eschenmoser*, A., Yamada, Y., Miljkovic, D., Wehrli, P.,
Golding, B., Löliger, P., Keese, R., Müller, K.

A New Type of Corrin Synthesis

1969, 81, 301–306; **1969**, 8, 343–348

Eschenmoser*, A.

Vitamin B₁₂: Experiments Concerning the Origin of Its Molecular
Structure

1988, 100, 5–40; **1988**, 27, 5–39

Buschmann, H., Scharf*, H.-D., Hoffmann, N., **Esser, P.**

The Isoinversion Principle—a General Model of Chemical Selec-
tivity

1991, 103, 480–518; **1991**, 30, 477–515

Esser, P., Pohlmann, B., Scharf*, H.-D.

The Photochemical Synthesis of Fine Chemicals with Sunlight

1994, 106, 2093–2108; **1994**, 33, 2009–2023

Kieffer*, R., **Ettmayer, P.**

Principles and Latest Developments in the Field of Metallic and
Nonmetallic Hard Materials

Chem.-Ing.-Tech. **1970**, 42, 589–599; **1970**, 9, 926–936

Eugster*, C. H., Märki-Fischer, E.

The Chemistry of Rose Pigments

1991, 103, 671–689; **1991**, 30, 654–672

Houk*, K. N., Li, Y., **Evanseck, J. D.**

Transition Structures of Hydrocarbon Pericyclic Reactions

1992, 104, 711–739; **1992**, 31, 682–708

Ewing*, G. E.

Intermolecular Interactions: van der Waals Molecules

1972, 84, 570–580; **1972**, 11, 486–495

Bauer*, L., **Exner, O.**

The Chemistry of Hydroxamic Acids and *N*-Hydroxyimides

1974, 86, 419–428; **1974**, 13, 376–384

Ree, T. S., Ree, T., **Eyring*, H.**

Recent Advances in the Theory of Liquids

1965, 77, 993–1000; **1965**, 4, 923–929



Mayer*, R., Morgenstern, J., **Fabian, J.**

Aliphatic Thioketones

1964, 76, 157–167; **1964**, 3, 277–286

Fabian*, J., Zahradník*, R.

The Search for Highly Colored Organic Compounds

1989, 101, 693–710; **1989**, 28, 677–694

Wieland*, T., Lüben, G., Ottenheim, H., **Faesel, J.**, de Vries, J. X.,
Konz, W., Prox, A., Schmid, J.

The Discovery, Isolation, Elucidation of Structure, and Synthesis of
Antamanide

1968, 80, 209–213; **1968**, 7, 204–208

Faessler*, A.

X-Ray Spectroscopic Investigation of Chemical Bonding in Solids

1972, 84, 51–59; **1972**, 11, 34–42

Dewar*, M. J. S., **Fahey, R. C.**

The Polar Addition of Hydrogen Halides onto Olefins

1964, 76, 320–325; **1964**, 3, 245–249

Fahr*, E., Lind, H.

The Chemistry of α -Carbonyl Azo Compounds

1966, 78, 376–388; **1966**, 5, 372–384

Fahr*, E.

Chemical Investigations of the Molecular Origin of Biological
Radiation Damage

1969, 81, 581–597; **1969**, 8, 578–593

Falbe*, J.

Ring Closures with Carbon Monoxide

1966, 78, 532–544; **1966**, 5, 435–446

Baumann, H., Bühler, M., Fochem, H., Hirsinger, F.,

Zoebelein, H., **Falbe*, J.**

Natural Fats and Oils—Renewable Raw Materials for the
Chemical Industry

1988, 100, 41–62; **1988**, 27, 41–62

Falk*, H.

From the Photosensitizer Hypericin to the Photoreceptor

Stentorin—The Chemistry of Phenanthroperylene Quinones

1999, 111, 3306–3326; **1999**, 38, 3116–3136

Fallab*, S.

Reactions with Molecular Oxygen

1967, 79, 500–511; **1967**, 6, 496–507

Famulok*, M., Szostak*, J. W.

In Vitro Selection of Specific Ligand-binding Nucleic Acids

1992, 104, 1001–1011; **1992**, 31, 979–988

Edenhofer, F., Weiss, S., Winnacker*, E.-L., **Famulok*, M.**

Chemistry and Molecular Biology of Transmissible Spongiform
Encephalopathies

1997, 109, 1748–1769; **1997**, 36, 1674–1694

Farina, M., Peraldo, M., Natta*, G.

Cyclic Compounds as Configurational Models for Stereoregular
Polymers

1965, 77, 149–154; **1965**, 4, 107–112

Fasold*, H., Klappenberger, J., Meyer, C., Rembold, H.

Bifunctional Reagents for the Crosslinking of Proteins

1971, 83, 875–882; **1971**, 10, 795–801

Savin*, A., Nesper*, R., Wengert, S., **Fässler, T. F.**

ELF: The Electron Localization Function

1997, 109, 1892–1918; **1997**, 36, 1808–1832

Bewley, C. A., **Faulkner*, D. J.**

Lithistid Sponges: Star Performers or Hosts to the Stars

1998, 110, 2280–2297; **1998**, 37, 2162–2178

Fawcett*, W. R., Opallo, M.

The Kinetics of Heterogeneous Electron Transfer Reactions in
Polar Solvents

1994, 106, 2239–2252; **1994**, 33, 2131–2143

Feeney*, J.

NMR Studies of Ligand Binding to Dihydrofolate Reductase

2000, 112, 298–321; **2000**, 39, 290–312

Fehr*, C.

Enantioselective Protonation of Enolates and Enols

1996, 108, 2726–2748; **1996**, 35, 2566–2587

Seeliger, W., Aufderhaar, E., Diepers, W., **Feinauer, R.**,

Nehring, R., Thier, W., Hellmann*, H.

Recent Syntheses and Reactions of Cyclic Imidic Esters

1966, 78, 913–927; **1966**, 5, 875–888

Weissermel*, K., Kleiner, H.-J., Finke, M., **Felcht, U.-H.**

Advances in Organophosphorus Chemistry Based on Dichloro-
(methyl)phosphane

1981, 93, 256–266; **1981**, 20, 223–233

- Eschenmoser*, A., Bertele, E., Boos, H., Dunitz, J. D., Elsinger, F., **Felner, I.**, Gribi, H. P., Gschwend, H., Meyer, E. F., Pesaro, M., Scheffold, R.
A Synthetic Route to the Corrin System
1964, 76, 393–399; **1964**, 3, 490–496
- Franklin, N. C., **Feltkamp*, H.**
Conformational Analysis of Cyclohexane Derivatives by NMR spectroscopy
1965, 77, 798–807; **1965**, 4, 774–783
- Freitag*, D., **Fengler, G.**, Morbitzer, L.
Routes to New Aromatic Polycarbonates with Special Material Properties
1991, 103, 1626–1638; **1991**, 30, 1598–1610
- Fenske*, D.**, Ohmer, J., Hachgenei, J., Merzweiler, K.
New Transition Metal Clusters with Ligands from Main Groups Five and Six
1988, 100, 1300–1320; **1988**, 27, 1277–1296
- Cheetham*, A. K., **Férey*, G.**, Loiseau, T.
Open-Framework Inorganic Materials
1999, 111, 3466–3492; **1999**, 38, 3268–3292
- Feringa*, B. L.**, van Delden, R. A.
Absolute Asymmetric Synthesis: The Origin, Control, and Amplification of Chirality
1999, 111, 3624–3645; **1999**, 38, 3418–3438
- Fersht*, A. R.**, Shi, J.-P., Wilkinson, A. J., Blow, D. M., Carter, P., Waye, M. M. Y., Winter, G. P.
Analysis of Enzyme Structure and Activity by Protein Engineering
1984, 96, 455–462; **1984**, 23, 467–473
- Ugi*, I., **Fetzer, U.**, Eholzer, U., Knupfer, H., Offermann, K.
Isonitrile Syntheses
1965, 77, 492–504; **1965**, 4, 472–484
- Fetzner*, S.**, Tshisuaka, B., Lingens, F., Kappl, R., Hüttermann, J.
Bacterial Degradation of Quinoline and Derivatives—Pathways and Their Biocatalysts
1998, 110, 596–617; **1998**, 37, 576–597
- Wagner*, K., **Findeisen, K.**, Schäfer, W., Dietrich, W.
 α,ω -Diisocyanatocarbodiimides, -Polycarbodiimides, and Their Derivatives
1981, 93, 855–866; **1981**, 20, 819–830
- Fink*, W.**
Silicon-Nitrogen Heterocycles
1966, 78, 803–819; **1966**, 5, 760–776
- Weissermel*, K., Kleiner, H.-J., **Finke, M.**, Felcht, U.-H.
Advances in Organophosphorus Chemistry Based on Dichloro-(methyl)phosphane
1981, 93, 256–266; **1981**, 20, 223–233
- Finkelmann*, H.**
Liquid Crystalline Polymers
1987, 99, 840–848; **1987**, 26, 816–824
- Pitts*, J. N., Jr., **Finlayson, B. J.**
Mechanisms of Photochemical Air Pollution
1975, 87, 18–33; **1975**, 14, 1–15
- Kolb, H. C., **Finn, M. G.**, Sharpless*, K. B.
Click Chemistry: Diverse Chemical Function from a Few Good Reactions
2001, 113, 2056–2075; **2001**, 40, 2004–2021
- Haubner, R., **Finsinger, D.**, Kessler*, H.
Stereoisomeric Peptide Libraries and Peptidomimetics for Designing Selective Inhibitors of the $\alpha_v\beta_3$ Integrin for a New Cancer Therapy
1997, 109, 1440–1456; **1997**, 36, 1374–1389
- Brintzinger*, H. H., **Fischer, D.**, Mülhaupt, R., Rieger, B., Waymouth, R. M.
Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts
1995, 107, 1255–1283; **1995**, 34, 1143–1170
- Weissermel*, K., **Fischer, E.**, Gutweiler, K., Hermann, H. D., Cherdron, H.
Polymerization of Trioxane
1967, 79, 512–520; **1967**, 6, 526–533
- Fischer*, E. H.**
Protein Phosphorylation and Cellular Regulation II (Nobel Lecture)
1993, 105, 1181–1188; **1993**, 32, 1130–1137
- Fischer*, E. O.**, Werner, H.
Metal π -Complexes with Di- and Oligo-olefinic Ligands
1963, 75, 57–70; **1963**, 2, 80–93
- Fischer*, E. O.**
Auf dem Weg zu Carben- und Carbin-Komplexen (Nobel Lecture)
1974, 86, 651–663; –
- Fischer*, E. W.**, Schmidt, G. F.
Long Periods in Drawn Polyethylene
1962, 74, 551–562; **1962**, 1, 488–499
- Fischer*, G.**
Peptidyl-Prolyl *cis/trans* Isomerases and Their Effectors
1994, 106, 1479–1501; **1994**, 33, 1415–1436
- Fischer*, Hanns**, Radom, L.
Factors Controlling the Addition of Carbon-Centered Radicals to Alkenes—An Experimental and Theoretical Perspective
2001, 113, 1380–1414; **2001**, 40, 1340–1371
- Fischer*, Hellmuth**
Electrocrystallization of Metals under Ideal and Real Conditions
1969, 81, 101–114; **1969**, 8, 108–119
- Fischer, K.**, Jonas, K., Misbach, P., Stabba, R., Wilke*, G.
The “Nickel Effect”
1973, 85, 1002–1012; **1973**, 12, 943–953
- Fischer, Marco**, Vögtle*, F.
Dendrimers: From Design to Application—A Progress Report
1999, 111, 934–955; **1999**, 38, 884–905
- Fischer*, Martin**
Industrial Applications of Photochemical Syntheses
1978, 90, 17–27; **1978**, 17, 16–26
- Neumann*, W., **Fischer, P.**
The Preparation of Carbodiimides from Isocyanates
1962, 74, 801–806; **1962**, 1, 621–625
- Fischer*, R. A.**, Weiss, J.
Coordination Chemistry of Aluminum, Gallium, and Indium at Transition Metals
1999, 111, 3002–3022; **1999**, 38, 2830–2850
- von Ammon, R., **Fischer*, R. D.**
Shift Reagents in NMR spectroscopy
1972, 84, 737–755; **1972**, 11, 675–692
- Fischer*, W.**, Biesenberger, K., Heppner, J., Neitzel, U.
Old and New Processes of Multiplicative Distribution (Liquid-Liquid Extraction)
Chem.-Ing.-Tech. **1964**, 36, 85–99; **1964**, 3, 791–800
- Fischer*, W.**, Deierling, B., Heitsch, H., Otto, G., Pohlmann, H.-P., Reinhardt, K.
The Separation of Zirconium and Hafnium by Liquid-Liquid Partition of Their Thiocyanates
1966, 78, 19–27; **1966**, 5, 15–23
- Fish*, A.**
The Cool Flames of Hydrocarbons
1968, 80, 53–69; **1968**, 7, 45–60

Fitzer*, E., Hegen, D.

Chemical Vapor Deposition of Silicon Carbide and Silicon Nitride—Chemistry's Contribution to Modern Silicon Ceramics
1979, *91*, 316–325; **1979**, *18*, 295–304

Fitzer*, E.

Thermal Degradation of Polymers to Polymeric Carbon—An Approach to the Synthesis of New Materials
1980, *92*, 375–386; **1980**, *19*, 375–385

Fitzky*, H. G., Wendisch, D., Holm, R.

Structure Determinations of Nitrogen Compounds with the Aid of NQR, NMR, and ESCA Spectroscopy
1972, *84*, 1037–1048; **1972**, *11*, 979–990

Bock, B., **Flatau, K.**, Junge, H., Kuhr, M., Musso*, H.

Bond Character of β -Diketone Metal Chelates
1971, *83*, 239–249; **1971**, *10*, 225–235

Scharf*, H.-D., **Fleischhauer, J.**, Leismann, H., Ressler, I., Schleker, W., Weitz, R.

Criteria for the Efficiency, Stability, and Capacity of Abiotic Photochemical Solar Energy Storage Systems
1979, *91*, 696–707; **1979**, *18*, 652–662

Cymerman Craig*, J., Bergenthal, M. D., **Fleming, I.**, Harley-Mason, J.

Synthesis of Alkynes from Enol Esters
1969, *81*, 437–446; **1969**, *8*, 429–437

Hübenett*, F., **Flock, F. H.**, Hansel, W., Heinze, H., Hofmann, H.

Isothiazoles
1963, *75*, 1189–1193; **1963**, *2*, 714–719

Flory*, P. J.

The Challenge to Macromolecular Science

1974, *86*, 109–110; **1974**, *13*, 97–98

Die Konformation linearer Makromoleküle (Nobel Lecture)
1975, *87*, 787–797; –

Weygand*, F., **Floss, H.-G.**

The Biogenesis of Ergot Alkaloids

1963, *75*, 783–788; **1963**, *2*, 243–247

Floss*, H.-G., Beale*, J. M.

Biosynthetic Studies on Antibiotics
1989, *101*, 147–179; **1989**, *28*, 146–174

Becke-Goehring*, M., **Fluck, E.**

Phosphonitrilic Chlorides from Phosphorus Pentachloride
1962, *74*, 382–386; **1962**, *1*, 281–285

Fluck*, E., Kerler, W., Neuwirth, W.

The Mössbauer Effect and its Significance in Chemistry
1963, *75*, 461–472; **1963**, *2*, 277–287

Glemser*, O., Schröder, J., Kleine-Weischede, K., Meyer, B., Peuschel, G., **Flügel, R.**, Velde, D.

Preparation of Carbon Tetrachloride from Phosgene
1963, *75*, 823–825; **1963**, *2*, 613–615

Baumann, H., Bühler, M., **Fochem, H.**, Hirsinger, F., Zobebelein, H., Falbe*, J.

Natural Fats and Oils—Renewable Raw Materials for the Chemical Industry
1988, *100*, 41–62; **1988**, *27*, 41–62

Folkers*, K., Johansson, N.-G., Hooper, F., Currie, B.,

Sievertsson, H., Chang, J.-K., Bowers, C. Y.
Chemistry and Biosynthesis of the Hypothalamic Releasing and Inhibiting Neurohormones
1973, *85*, 271–280; **1973**, *12*, 255–264

Porter, T. H., **Folkers*, K.**

Antimetabolites of Coenzyme Q. Their Potential Application as Antimalarials
1974, *86*, 635–645; **1974**, *13*, 559–569

Follmann*, H.

Enzymatic Reduction of Ribonucleotides: Biosynthesis Pathway of Deoxyribonucleotides
1974, *86*, 624–634; **1974**, *13*, 569–579

Follner*, H.

Structural Information from the Habit of Crystals

1973, *85*, 595–601; **1973**, *12*, 528–534

Ugi*, I., Bauer, J., Bley, K., Dengler, A., Dietz, A., **Fontain, E.**,

Gruber, B., Herges, R., Knauer, M., Reitsam, K., Stein, N.
Computer-Assisted Solution of Chemical Problems—The Historical Development and the Present State of the Art of a New

Discipline of Chemistry
1993, *105*, 210–239; **1993**, *32*, 201–227

Förster, H., Vögtle*, F.

Steric Interactions in Organic Chemistry: Spatial Requirements of Substituents

1977, *89*, 443–455; **1977**, *16*, 429–441

Förster*, T.

Excimers

1969, *81*, 364–374; **1969**, *8*, 333–343

Försterling, H.-D., Kuhn*, H., Tews, K.-H.

Computer Model of the Formation of Self-Organizing Systems
1972, *84*, 862–865; **1972**, *11*, 821–824

Fowler*, W. A.

Experimental and Theoretical Nuclear Astrophysics; The Quest for the Origin of the Elements (Nobel Lecture)

1984, *96*, 662–690; **1984**, *23*, 645–671

Franck*, B., Blaschke, G., Schlingloff, G.

Oxidative Condensation of Quaternary Phenolic Bases
1963, *75*, 957–965; **1964**, *3*, 192–200

Franck*, B.

Structure and Biosynthesis of the Ergot Pigments

1969, *81*, 269–278; **1969**, *8*, 251–260

Key Building Blocks of Natural Product Biosynthesis and Their Significance in Chemistry and Medicine

1979, *91*, 453–464; **1979**, *18*, 429–439

Topical Problems in the Biosynthesis of Red Blood Pigment

1982, *94*, 327–337; **1982**, *21*, 343–353

Mycotoxins from Mold Fungi—Weapons of Uninvited Fellow-Borders of Man and Animal: Structures, Biological Activity, Biosynthesis, and Precautions

1984, *96*, 462–474; **1984**, *23*, 493–505

Franck*, B., Nonn, A.

Novel Porphyrinoids for Chemistry and Medicine by Biomimetic Syntheses

1995, *107*, 1941–1957; **1995**, *34*, 1795–1811

Lentz, H., **Franck*, E. U.**

Phase Equilibria and Critical Curves of Binary Ammonia-Hydrocarbon Mixtures

1978, *90*, 775–777; **1978**, *17*, 728–730

Franck*, U. F.

Chemical Oscillations

1978, *90*, 1–16; **1978**, *17*, 1–15

Vögtle*, F., Löhr, H.-G., **Franke, J.**, Worsch, D.

Host/Guest Chemistry of Organic Onium Compounds—Clathrates, Crystalline Complexes, and Molecular Inclusion Compounds in Aqueous Solution

1985, *97*, 721–736; **1985**, *24*, 727–742

Franklin, N. C., Feltkamp*, H.

Conformational Analysis of Cyclohexane Derivatives by NMR spectroscopy

1965, *77*, 798–807; **1965**, *4*, 774–783

Kraft*, P., Bajgrowicz, J. A., Denis, C., **Fráter, G.**

Odds and Trends: Recent Developments in the Chemistry of Odorants

2000, *112*, 3106–3138; **2000**, *39*, 2980–3010

Hecht, S., **Fréchet*, J. M. J.**

Dendritic Encapsulation of Function: Applying Nature's Site Isolation Principle from Biomimetics to Materials Science

2001, *113*, 76–94; **2001**, *40*, 74–91

Freese*, E.

Hereditary DNA Alterations
1969, *81*, 1–10; **1969**, *8*, 12–20

Englisch*, U., Gauss, D. H., **Freist, W.**, Englisch, S., Sternbach, H., von der Haar, F.

Error Rates of the Replication and Expression of Genetic Information
1985, *97*, 1033–1043; **1985**, *24*, 1015–1025

Freist*, W.

Isoleucyl-tRNA Synthetase: An Enzyme with Several Catalytic Cycles Displaying Variation in Specificity and Energy Consumption
1988, *100*, 795–811; **1988**, *27*, 773–788

Cramer*, F., Freist*, W.

Aminoacyl-tRNA Synthetases: The Division into Two Classes Predicted by the Chemistry of Substrates and Enzymes
1993, *105*, 198–209; **1993**, *32*, 190–200

Ried*, W., Freitag, D.

Oligophenyls, Oligophenylenes, and Polyphenyls, a Class of Thermally Very Stable Compounds
1968, *80*, 932–942; **1968**, *7*, 835–844

Freitag*, D., Fengler, G., Morbitzer, L.

Routes to New Aromatic Polycarbonates with Special Material Properties
1991, *103*, 1626–1638; **1991**, *30*, 1598–1610

Pedersen*, C. J., Frensdorff, H. K.

Macrocyclic Polyethers and Their Complexes with Polyethers
1972, *84*, 16–26; **1972**, *11*, 16–25

Freund*, H.-J.

Adsorption of Gases on Complex Solid Surfaces
1997, *109*, 444–468; **1997**, *36*, 452–475

Horn*, C. F., Freure, B. T., Vineyard, H., Decker, H. J.

Nylon 7, ein faserbildendes Polyamid
1962, *74*, 531–534; –

Freyer, H. D., Wagener*, K.

Electrochemical Processes for the Enrichment of Isotopes
1967, *79*, 734–744; **1967**, *6*, 757–766

Freyschlag*, H., Grassner, H., Nürrenbach, A., Pommer, H., Reif, W., Sarnecki, W.

Formation and Reactivity of Phosphonium Salts in the Vitamin A Series
1965, *77*, 277–282; **1965**, *4*, 287–291

Ugi*, I., Bauer, J., Brandt, J., Friedrich, J., Gasteiger, J., Jochum, C., Schubert, W.

New Applications of Computers in Chemistry
1979, *91*, 99–111; **1979**, *18*, 111–123

Friedrich, J., Haarer*, D.

Photochemical Hole Burning: A Spectroscopic Study of Relaxation Processes in Polymers and Glasses
1984, *96*, 96–123; **1984**, *23*, 113–140

Wallenfels*, K., Friedrich, K., Rieser, J., Ertel, W., Thieme, H. K.

The Analogy between O and C(CN)₂

1976, *88*, 311–320; **1976**, *15*, 261–270

Biermann, U., Friedt, W., Lang, S., Lühs, W., Machmüller, G., Metzger*, J. O., Rüschen, Klaas, M., Schäfer, H. J., Schneider, M. P.

New Syntheses with Oils and Fats as Renewable Raw Materials for the Chemical Industry
2000, *112*, 2292–2310; **2000**, *39*, 2206–2224

Frischat*, G. H.

Mass Transport in Solids
1974, *86*, 428–442; **1974**, *13*, 384–398

Fritz*, G.

Compounds of Phosphorus with Silicon and Aluminum
1966, *78*, 80–85; **1966**, *5*, 53–57

Formation and Properties of Carbosilanes

1967, *79*, 657–663; **1967**, *6*, 677–683

Formation and Properties of Medium and High Molecular Weight Compounds of Elements of Groups 3, 4, and 5

1968, *80*, 2–7; **1968**, *7*, 1–6

Carbosilanes

1987, *99*, 1150–1171; **1987**, *26*, 1111–1132

Besenhard*, J. O., Fritz, H. P.

The Electrochemistry of Black Carbons
1983, *95*, 954–980; **1983**, *22*, 950–975

Fritzsche*, C.

Ion Implantation in Semiconductors
1978, *90*, 537–546; **1978**, *17*, 496–505

Frommer*, J.

Scanning Tunneling Microscopy and Atomic Force Microscopy in Organic Chemistry

1992, *104*, 1325–1357; **1992**, *31*, 1298–1328

Truscheit*, E., Frommer, W., Junge, B., Müller, L., Schmidt, D. D., Wingender, W.

Chemistry and Biochemistry of Microbial α -Glucosidase Inhibitors
1981, *93*, 738–755; **1981**, *20*, 744–761

Früchtel, J. S., Jung*, G.

Organic Chemistry on Solid Supports
1996, *108*, 19–46; **1996**, *35*, 17–42

Frühbeis*, H., Klein, R., Wallmeier, H.

Computer-Assisted Molecular Design (CAMD)—an Overview
1987, *99*, 413–428; **1987**, *26*, 403–418

Janshoff, A., Neitzert, M., Oberdörfer, Y., Fuchs*, H.

Force Spectroscopy of Molecular Systems—Single Molecule Spectroscopy of Polymers and Biomolecules
2000, *112*, 3346–3374; **2000**, *39*, 3212–3237

Jahr*, K. F., Fuchs, J.

New Methods and Results in the Study of Polyacids
1966, *78*, 725–735; **1966**, *5*, 689–699

Fugmann*, R., Dölling, U., Nickelsen, H.

A Topological Approach to the Problem of Ring Structures
1967, *79*, 802–813; **1967**, *6*, 723–733

Fugmann*, R.

Theoretical Aspects of Communication in Chemistry
1970, *82*, 574–597; **1970**, *9*, 555–576

Fugmann*, R., Nickelsen, H., Nickelsen, I., Winter, J. H.

TOSAR – A Topological Method for the Representation of Synthetic and Analytical Relations of Concepts
1970, *82*, 611–618; **1970**, *9*, 589–595

Fugmann*, R., Ploss, G.

Possibilities and Limitations of Delegated Literature Searches by Computer

1973, *85*, 978–981; **1973**, *12*, 882–884

Fugmann*, R.

Natural *versus* Indexing Language in Chemical Documentation
1982, *94*, 581–589; **1982**, *21*, 608–616

Fuhrhop*, J.-H.

The Reactivity of the Porphyrin Ligand

1974, *86*, 363–377; **1974**, *13*, 321–335

Molecular Complexes and Oxygen Adducts of Tetrapyrrole Pigments

1976, *88*, 704–716; **1976**, *15*, 648–659

Fuhrhop*, J.-H., Mathieu, J.

Routes to Functional Vesicle Membranes without Proteins
1984, *96*, 124–137; **1984**, *23*, 100–113

Fukui*, K.

The Role of Frontier Orbitals in Chemical Reactions (Nobel Lecture)

1982, *94*, 852–861; **1982**, *21*, 801–809

Ihara*, M., **Fukumoto*, K.**

Syntheses of Polycyclic Natural Products Employing the Intramolecular Double Michael Reaction
1993, 105, 1059–1071; **1993**, 32, 1010–1022

Furchgott*, R. F.

Endothelium-Derived Relaxing Factor: Discovery, Early Studies, and Identification as Nitric Oxide (Nobel Lecture)
1999, 111, 1990–2000; **1999**, 38, 1870–1880

Fürstner*, A.

Chemistry of and with Highly Reactive Metals
1993, 105, 171–197; **1993**, 32, 164–189

Fürstner*, A., Bogdanović*, B.

New Developments in the Chemistry of Low-Valent Titanium
1996, 108, 2582–2609; **1996**, 35, 2442–2469

Fürstner*, A.

Olefin Metathesis and Beyond
2000, 112, 3140–3172; **2000**, 39, 3012–3043

Fyfe, C. A., Thomas*, J. M., Klinowski, J., Gobbi, G. C.

Magic-Angle-Spinning NMR (MAS-NMR) Spectroscopy and the Structure of Zeolites
1983, 95, 257–273; **1983**, 22, 259–275



von der Haar, F., **Gabius, H.-J.**, Cramer*, F.

Target Directed Drug Synthesis: The Aminoacyl-tRNA Synthetases as Possible Targets
1981, 93, 250–256; **1981**, 20, 217–223

Gabius*, H.-J.

Tumor Lectinology: At the Intersection of Carbohydrate Chemistry, Biochemistry, Cell Biology, and Oncology
1988, 100, 1321–1330; **1988**, 27, 1267–1276

Menger*, F. M., **Gabrielson, K. D.**

Cytomimetic Organic Chemistry: Early Developments
1995, 107, 2260–2278; **1995**, 34, 2091–2106

Gade*, L. H.

Mercury, a Structural Building Block and Source of Localized Reactivity in Extended Metal–Metal Bonded Systems
1993, 105, 25–42; **1993**, 32, 24–40
 Highly Polar Metal–Metal Bonds in “Early–Late” Heterodimetallic Complexes
2000, 112, 2768–2789; **2000**, 39, 2658–2678

Beer*, P. D., **Gale*, P. A.**

Anion Recognition and Sensing: The State of the Art and Future Perspectives
2001, 113, 502–532; **2001**, 40, 486–516

Janshoff, A., **Galla, H.-J.**, Steinem*, C.

Piezoelectric Mass-Sensing Devices as Biosensors—An Alternative to Optical Biosensors?
2000, 112, 4164–4195; **2000**, 39, 4004–4032

Iddon, B., Meth-Cohn, O., Scriven, E. F. V., Suschitzky*, H., **Gallagher, P. T.**

Developments in Arylnitrene Chemistry: Syntheses and Mechanisms
1979, 91, 965–982; **1979**, 18, 900–917

Gambaryan, N. P., Rokhlin, E. M., Zeifman, Yu. V.,

Ching-Yun, C., Knunyants*, I. L.
 Reactions of the Carbonyl Group in Fluorinated Ketones
1966, 78, 1008–1017; **1966**, 5, 947–956

Bianchi*, G., De Micheli, C., **Gandolfi, R.**

1,3-Dipolar Cycloreversions
1979, 91, 781–798; **1979**, 18, 721–738

Ganem*, B.

The Mechanism of the Claisen Rearrangement: Déjà Vu All Over Again
1996, 108, 1014–1023; **1996**, 35, 936–945

Amann*, A., **Gans*, W.**

Theoretical Chemistry en route to a Theory of Chemistry
1989, 101, 277–285; **1989**, 28, 268–276

Gante*, J.

Peptidomimetics—Tailored Enzyme Inhibitors
1994, 106, 1780–1802; **1994**, 33, 1699–1720

Tölg*, G., **Garten, R. P. H.**

Great Fear of Small Amounts of Elements—The Significance of Analytical Chemistry in our Modern Industrialized Community as Exemplified by Trace Element Analysis
1985, 97, 439–448; **1985**, 24, 485–494

Nicolaou*, K. C., **Gasič, G. P.**, Barnette, W. E.

Synthesis and Biological Properties of Prostaglandin Endoperoxides, Thromboxanes, and Prostacyclins
1978, 90, 360–379; **1978**, 17, 293–312

Gassen*, H. G.

The Bacterial Ribosome: A Programmed Enzyme
1982, 94, 15–27; **1982**, 21, 23–36

Davies*, J. H., **Gassen, H. G.**

Synthetic Gene Fragments in Genetic Engineering—The Renaissance of Chemistry in Molecular Biology
1983, 95, 26–44; **1983**, 22, 13–31

Aigner, A., Wolf, S., **Gassen*, H. G.**

Transport and Detoxication: Principles, Approaches, and Perspectives for Research on the Blood–Brain Barrier
1997, 109, 24–42; **1997**, 36, 24–41

Ugi*, I., Bauer, J., Brandt, J., Friedrich, J., **Gasteiger, J.,**

Jochum, C., Schubert, W.
 New Applications of Computers in Chemistry
1979, 91, 99–111; **1979**, 18, 111–123

Jochum, C., **Gasteiger, J., Ugi*, I.**

The Principle of Minimum Chemical Distance (PMCD)
1980, 92, 503–513; **1980**, 19, 495–505

Gasteiger*, J., Zupan*, J.

Neural Networks in Chemistry
1993, 105, 510–536; **1993**, 32, 503–527

Ihlenfeldt, W.-D., **Gasteiger*, J.**

Computer-Assisted Planning of Organic Syntheses: The Second Generation of Programs
1995, 107, 2807–2829; **1995**, 34, 2613–2633

Lamb, H. H., **Gates, B. C.**, Knözinger*, H.

Molecular Organometallic Chemistry on Surfaces: Reactivity of Metal Carbonyls on Metal Oxides
1988, 100, 1162–1180; **1988**, 27, 1127–1144

Dräger*, M., **Gattow, G.**

Chalcogenocarbonic Acids and Their Anions
1968, 80, 954–965; **1968**, 7, 868–879

Englisch*, U., **Gauss, D. H.**, Freist, W., Englisch, S., Sternbach, H., von der Haar, F.

Error Rates of the Replication and Expression of Genetic Information
1985, 97, 1033–1043; **1985**, 24, 1015–1025

Englisch*, U., **Gauss*, D. H.**

Chemically Modified Oligonucleotides as Probes and Inhibitors
1991, 103, 629–646; **1991**, 30, 613–629

Schmidt*, P. G., **Gay, F. P.**

Physikalische Charakterisierung von Poly-(äthylenglykol-terephthalat)
1962, 74, 638–641; –

- Kessler*, H., **Gehrke, M.**, Griesinger, C.
Two-Dimensional NMR spectroscopy: Background and Overview of the Experiments
1988, *100*, 507–554; **1988**, *27*, 490–536
- Hünig*, S., Balli, H., Breiter, E., Brühne, F., **Geiger, H.**, Grigat, E., Müller, F., Quast, H.
Heterocyclic Azo Dyes by Oxidative Coupling
1962, *74*, 818–824; **1962**, *1*, 640–646
- Hünig*, S., Brenninger, W., **Geiger, H.**, Kaupp, G., Kniese, W., Lampe, W., Quast, H., Rauschenbach, R. D., Schütz, A.
Sulfonyl Hydrazones of Cyclic Amides and Quaternary Azo Sulfones of Heterocycles as Reagents in Azo Chemistry
1968, *80*, 343–352; **1968**, *7*, 335–344
- Geiger*, R.**
The Synthesis of Physiologically Active Peptides
1971, *83*, 155–162; **1971**, *10*, 152–160
- Eberstadt, M., **Gemmecker, G.**, Mierke, D. F., Kessler*, H.
Scalar Coupling Constants—Their Analysis and Their Application for the Elucidation of Structures
1995, *107*, 1813–1838; **1995**, *34*, 1671–1695
- Genas*, M.**
Rilsan (Polyamid 11), Synthese und Eigenschaften
1962, *74*, 535–540; –
- George*, M. V.**, Mitra, A., Sukumaran, K. B.
Thermal and Photochemical Transformations of Hetero-1,3,5-hexatrienes into Five-Membered Rings—Possible Pericyclic Reactions
1980, *92*, 1005–1014; **1980**, *19*, 973–983
- Gerischer*, H.**
The Use of Light in the Study of Interfacial Electrochemical Reactions
1988, *100*, 63–78; **1988**, *27*, 63–78
- German, L. S.**, Knunyants*, I. L.
Conjugated Additions in Hydrogen Fluoride
1969, *81*, 321–328; **1969**, *8*, 349–356
- Krause*, N., **Gerold, A.**
Regio- and Stereoselective Syntheses with Organocopper Reagents
1997, *109*, 194–213; **1997**, *36*, 186–204
- Rüchardt*, C., **Gerst, M.**, Ebenhoch, J.
Uncatalyzed Transfer Hydrogenation and Transfer Hydrogenolysis: Two Novel Types of Hydrogen-Transfer Reactions
1997, *109*, 1474–1498; **1997**, *36*, 1406–1430
- Gerstenberger, M. R. C.**, Haas*, A.
Methods of Fluorination in Organic Chemistry
1981, *93*, 659–680; **1981**, *20*, 647–667
- Renaud*, P., **Gerster, M.**
Use of Lewis Acids in Free Radical Reactions
1998, *110*, 2704–2722; **1998**, *37*, 2562–2579
- Mayer*, R., **Gewald, K.**
The Action of Carbon Disulfide and Sulfur on Enamines, Ketimines, and CH Acids
1967, *79*, 298–311; **1967**, *6*, 294–306
- Bong, D. T., Clark, T. D., Granja, J. R., **Ghadiri*, M. R.**
Self-Assembling Organic Nanotubes
2001, *113*, 1016–1041; **2001**, *40*, 988–1011
- Ghiretti*, F.**
Biochemie der Giftstoffe von Meerestieren
1964, *76*, 982–988; –
- Simon*, W., **Giacobbo, H.**
Thermal Fragmentation and Determination of the Structure of Organic Compounds
Chem.-Ing.-Tech. **1965**, *37*, 709–714; **1965**, *4*, 938–943
- Giannis*, A.**, Kolter, T.
Peptidomimetics for Receptor Ligands—Discovery, Development, and Medical Perspectives
1993, *105*, 1303–1326; **1993**, *32*, 1244–1267
- Gibson*, M. S.**, Bradshaw, R. W.
The Gabriel Synthesis of Primary Amines
1968, *80*, 986–996; **1968**, *7*, 919–930
- Comely*, A. C., **Gibson*, S. E.**
Tracelessness Unmasked: A General Linker Nomenclature
2001, *113*, 1042–1063; **2001**, *40*, 1012–1032
- Gibson*, V. C.**
Ligands as “Compass Needles”: How Orientations of Alkene, Alkyne, and Alkylidene Ligands Reveal π -Bonding Features in Tetrahedral Transition Metal Complexes
1994, *106*, 1640–1648; **1994**, *33*, 1565–1572
- Britovsek, G. J. P., **Gibson*, V. C.**, Wass, D. F.
The Search for New-Generation Olefin Polymerization Catalysts: Life beyond Metallocenes
1999, *111*, 448–468; **1999**, *38*, 428–447
- Giese*, B.**
Basis and Limitations of the Reactivity-Selectivity Principle
1977, *89*, 162–173; **1977**, *16*, 125–136
Formation of CC Bonds by Addition of Free Radicals to Alkenes
1983, *95*, 771–782; **1983**, *22*, 753–764
Synthesis with Radicals—C-C Bond Formation via Organotin and Organomercury Compounds
1985, *97*, 555–567; **1985**, *24*, 553–565
The Stereoselectivity of Intermolecular Free Radical Reactions
1989, *101*, 993–1004; **1989**, *28*, 969–980
- Gilbert*, W.**
DNA-Sequenzierung und Gen-Struktur (Nobel Lecture)
1981, *93*, 1037–1046; –
- Ugi*, I., Gokel, G., **Gillespie, P.**, Klusacek, H., Marquarding, D.
Chemistry and Logical Structures
1970, *82*, 741–771; **1970**, *9*, 703–730
- Gillespie*, P.**, Hoffmann, P., Klusacek, H., Marquarding, D., Pfohl, S., Ramirez, F., Tsolis, E. A., Ugi, I.
Non-rigid Molecular Skeletons – Berry Pseudorotation and Turnstile Rotation
1971, *83*, 691–721; **1971**, *10*, 687–715
- Gillespie, P.**, Ramirez, F., Ugi*, I., Marquarding, D.
Displacement Reactions of Phosphorus(V) Compounds and Their Pentacoordinate Intermediates
1973, *85*, 99–127; **1973**, *12*, 91–119
- Gillespie*, R. J.**
Electron-Pair Repulsions and Molecular Shape
1967, *79*, 885–896; **1967**, *6*, 819–830
- Gillespie*, R. J.**, Robinson*, E. A.
Electron Domains and the VSEPR Model of Molecular Geometry
1996, *108*, 539–560; **1996**, *35*, 495–514
- Gilman*, A. G.**
G Proteins and Regulation of Adenylate Cyclase (Nobel Lecture)
1995, *107*, 1533–1548; **1995**, *34*, 1406–1419
- Giordano*, C.**, Castaldi, G., Uggeri, F.
Synthesis of Anti-Inflammatory α -Arylalkanoic Acids by 1,2-Aryl Shift
1984, *96*, 413–419; **1984**, *23*, 413–419
- Girard, C.**, Kagan*, H. B.
Nonlinear Effects in Asymmetric Synthesis and Stereoselective Reactions: Ten Years of Investigation
1998, *110*, 3088–3127; **1998**, *37*, 2922–2959
- Giroud-Godquin, A.-M.**, Maitlis*, P. M.
Metallomesogens: Metal Complexes in Organized Fluid Phases
1991, *103*, 370–398; **1991**, *30*, 375–402

- Gladysz*, J. A.**, Boone, B. J.
Chiral Recognition in π Complexes of Alkenes, Aldehydes, and Ketones with Transition Metal Lewis Acids; Development of a General Model for Enantioface Binding Selectivities
1997, *109*, 566–602; **1997**, *36*, 550–583
- Gruehn*, R., **Glaum, R.**
New Results of Chemical Transport as a Method for the Preparation and Thermochemical Investigation of Solids
2000, *112*, 706–731; **2000**, *39*, 692–716
- Gleisberg, D.**, Kandler*, J., Ulrich, H., Hartz, P.
Eutrophication and Wastewater Purification
1976, *88*, 354–365; **1976**, *15*, 354–365
- Gleiter*, R.**
Effects of Through-Bond Interaction
1974, *86*, 770–775; **1974**, *13*, 696–701
- Dürr*, H., **Gleiter, R.**
Spiroconjugation
1978, *90*, 591–601; **1978**, *17*, 559–569
- Gleiter*, R.**
Structure and Bonding in Cyclic Sulfur-Nitrogen Compounds—Molecular Orbital Considerations
1981, *93*, 442–450; **1981**, *20*, 444–452
Cycloalkadiynes—From Bent Triple Bonds to Strained Cage Compounds
1992, *104*, 29–46; **1992**, *31*, 27–44
- Gleiter*, R.**, Merger, M.
Phanes with Three- and Four-Membered Rings as Building Elements
1997, *109*, 2532–2546; **1997**, *36*, 2426–2439
- Zahn*, H., Heidemann, G., Pätzold, W., **Gleitsmann, G. B.**
Synthetische Fasern (Tendenz in Produktion, Entwicklung und Forschung)
1962, *74*, 599–605; –
- Zahn*, H., **Gleitsmann, G. B.**
Oligomers and Pleiomers of Synthetic Fiber-Forming Polymers
1963, *75*, 772–783; **1963**, *2*, 410–420
- Glemser*, O.**
Recent Investigations of Sulfur-Nitrogen Compounds
1963, *75*, 697–706; **1963**, *2*, 530–540
- Glemser*, O.**, Schröder, J., Kleine-Weischede, K., Meyer, B., Peuschel, G., Flügel, R., Velde, D.
Preparation of Carbon Tetrachloride from Phosgene
1963, *75*, 823–825; **1963**, *2*, 613–615
- Glemser*, O.**, Wendlandt, H. G.
The Reaction of Oxides with Water at High Pressures and Temperatures
1963, *75*, 949–957; **1964**, *3*, 47–54
- Glemser*, O.**, Mews, R.
Chemistry of Thiazyl Fluoride (NSF) and Thiazyl Trifluoride (NSF₃): A Quarter Century of Sulfur–Nitrogen–Fluorine Chemistry
1980, *92*, 904–921; **1980**, *19*, 883–899
- Gliemeroth*, G.**, Mader, K. H.
Phototropic Glass
1970, *82*, 421–433; **1970**, *9*, 434–445
- Przybylski*, M., **Glocker, M. O.**
Electrospray Mass Spectrometry of Biomacromolecular Complexes with Noncovalent Interactions—New Analytical Perspectives for Supramolecular Chemistry and Molecular Recognition Processes
1996, *108*, 878–899; **1996**, *35*, 806–826
- Fyfe, C. A., Thomas*, J. M., Klinowski, J., **Gobbi, G. C.**
Magic-Angle-Spinning NMR (MAS-NMR) Spectroscopy and the Structure of Zeolites
1983, *95*, 257–273; **1983**, *22*, 259–275
- Bock*, H., Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F., Arad, C., **Göbel, I.**, John, A., Meuret, J., Nick, S., Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B.
Distorted Molecules: Perturbation Design, Preparation and Structures
1992, *104*, 564–595; **1992**, *31*, 550–581
- Angermund, K., Claus, K. H., **Goddard, R.**, Krüger*, C.
High-Resolution X-Ray Crystallography—An Experimental Method for the Description of Chemical Bonds
1985, *97*, 241–252; **1985**, *24*, 237–247
- Tomalia*, D. A., Naylor, A. M., **Goddard III, W. A.**
Starburst Dendrimers: Molecular-Level Control of Size, Shape, Surface Chemistry, Topology, and Flexibility from Atoms to Macroscopic Matter
1990, *102*, 119–157; **1990**, *29*, 138–175
- Kurzer*, F., **Godfrey, L. E. A.**
Syntheses of Heterocyclic Compounds from Aminoguanidine
1963, *75*, 1157–1175; **1963**, *2*, 459–476
- Goebel*, W.**
Extrachromosomal DNA in Bacteria
1973, *85*, 569–580; **1973**, *12*, 517–528
- Schmidt*, U., Grafen, P., **Goedde, H. W.**
Chemistry and Biochemistry of α -Lipoic Acid
1965, *77*, 900–911; **1965**, *4*, 846–856
- Kotzyba-Hibert, F., Kapfer, I., **Goeldner*, M.**
Recent Trends in Photoaffinity Labeling
1995, *107*, 1391–1408; **1995**, *34*, 1296–1312
- Goeppert Mayer*, M.**
Das Schalenmodell des Atomkerns (Nobel Lecture)
1964, *76*, 729–737; –
- Ugi*, I., **Gokel, G.**, Gillespie, P., Klusacek, H., Marquarding, D.
Chemistry and Logical Structures
1970, *82*, 741–771; **1970**, *9*, 703–730
- Ames*, B. N., **Gold, L. S.**
Misconceptions on Pollution and the Causes of Cancer
1990, *102*, 1233–1246; **1990**, *29*, 1197–1208
- Goldanskii*, V. I.**
Chemical Gamma-Resonance Spectroscopy
1967, *79*, 844–858; **1967**, *6*, 830–843
- Golden, D. M.**, Spokes, G. N., Benson*, S. W.
Very Low-Pressure Pyrolysis (VLPP); A Versatile Kinetic Tool
1973, *85*, 602–614; **1973**, *12*, 534–546
- Goldfarb*, J. L.**, Volkenstein, J. B., Belenkij, L. I.
Modification of the Orientation of Substitution Reactions on Thiophene and Furan Derivatives
1968, *80*, 547–557; **1968**, *7*, 519–529
- Drowart*, J., **Goldfinger, P.**
Investigation of Inorganic Systems at High Temperature by Mass Spectrometry
1967, *79*, 589–604; **1967**, *6*, 581–596
- Eschenmoser*, A., Yamada, Y., Miljkovic, D., Wehrli, P., **Golding, B.**, Löliger, P., Keese, R., Müller, K.
A New Type of Corrin Synthesis
1969, *81*, 301–306; **1969**, *8*, 343–348
- Goldmann*, S.**, Stoltefuss, J.
1,4-Dihydropyridines: Effects of Chirality and Conformation on the Calcium Antagonist and Calcium Agonist Activities
1991, *103*, 1587–1605; **1991**, *30*, 1559–1578
- Brown*, M. S., **Goldstein, J. L.**
A Receptor-Mediated Pathway for Cholesterol Homeostasis (Nobel Lecture)
1986, *98*, 579–599; **1986**, *25*, 583–602
- Antonietti*, M., **Göltner, C. G.**
Superstructures of Functional Colloids: Chemistry on the Nanometer Scale
1997, *109*, 944–964; **1997**, *36*, 910–928

Boulas, P. L., **Gómez-Kaifer, M.**, Echegoyen*, L.
Electrochemistry of Supramolecular Systems
1998, *110*, 226–258; **1998**, *37*, 216–247

Gompper*, R.

Relations between Structure and Reactivity of Ambifunctional Nucleophilic Compounds

1964, *76*, 412–423; **1964**, *3*, 560–570

Cycloadditions with Polar Intermediates

1969, *81*, 348–363; **1969**, *8*, 312–327

Gompper*, R., Wagner, H.-U.

The Concept of Allopolarization. Effects of Substituents on the Reactions of Ambifunctional Anions

1976, *88*, 389–401; **1976**, *15*, 321–333

Donor-Acceptor-Substituted Cyclic π -Electron-Systems—Probes for Theories and Building Blocks for New Materials

1988, *100*, 1492–1511; **1988**, *27*, 1437–1455

Goodman*, I.

Neue Erkenntnisse in der Chemie des Terylene und verwandter Polyester

1962, *74*, 606–612; –

Yamazaki, T., Benedetti, E., Kent, D., **Goodman*, M.**

Conformational Requirements for Sweet-Tasting Peptides and Peptidomimetics

1994, *106*, 1502–1517; **1994**, *33*, 1437–1451

Lozac'h*, N., **Goodson, A. L.**, Powell, W. H.

Nodal Nomenclature I—General Principles

1979, *91*, 951–964; **1979**, *18*, 887–899

Lozac'h*, N., **Goodson, A. L.**

Nodal Nomenclature II—Specific Nomenclature for Parent Hydrides, Free Radicals, Ions, and Substituents

1984, *96*, 1–15; **1984**, *23*, 33–46

Gordon, W., Leugering, H. J., Cherdron*, H.

Polyethylene Fibrils: Preparation and Properties

1978, *90*, 833–839; **1978**, *17*, 820–825

Halász*, I., **Görlitz, G.**

Optimal Parameters in High Speed Liquid Chromatography (HPLC)

1982, *94*, 50–62; **1982**, *21*, 50–61

Gosselck*, J.

Some Aspects of the Chemistry of Organoselenium Compounds

1963, *75*, 831–840; **1963**, *2*, 660–669

Goto*, T., Kishi, Y.

Luciferins, Bioluminescent Substances

1968, *80*, 417–424; **1968**, *7*, 407–414

Goto, T., Kondo*, T.

Structure and Molecular Stacking of Anthocyanins—Flower Color Variation

1991, *103*, 17–33; **1991**, *30*, 17–33

Götte*, H., Kloss, G.

Nuclear Medicine and Radiochemistry

1973, *85*, 793–802; **1973**, *12*, 712–721

Schlegel*, H. G., **Gottschalk, G.**

Poly- β -hydroxybuttersäure, ihre Verbreitung, Funktion und Biosynthese

1962, *74*, 342–347; –

Gottschalk*, Gerhard, Knackmuss, H.-J.

Bacteria and the Biodegradation of Chemicals Achieved Naturally, by Combination, or by Construction

1993, *105*, 1437–1448; **1993**, *32*, 1398–1408

Goubeau*, J.

Force Constants and Bond Orders of Nitrogen Bonds

1966, *78*, 565–576; **1966**, *5*, 567–578

Spectroscopic Investigation of Various Phosphorus–Sulfur Bonds

1969, *81*, 343–348; **1969**, *8*, 328–332

Graf*, R., Lohaus, G., Börner, K., Schmidt, E., Bestian, H.

β -Lactams, Their Polymerization and Use as Raw Materials for Fibers

1962, *74*, 523–530; **1962**, *1*, 481–488

Graf*, R.

Reactions with *N*-Carbonylsulfamoyl Chloride

1968, *80*, 179–189; **1968**, *7*, 172–182

Schmidt*, U., **Grafen, P.**, Goedde, H. W.

Chemistry and Biochemistry of α -Lipoic Acid

1965, *77*, 900–911; **1965**, *4*, 846–856

Bong, D. T., Clark, T. D., **Granja, J. R.**, Ghadiri*, M. R.

Self-Assembling Organic Nanotubes

2001, *113*, 1016–1041; **2001**, *40*, 988–1011

Bönnemann*, H., **Grard, C.**, Kopp, W., Pump, W., Tanaka, K., Wilke, G.

The Allylcobalt System

1973, *85*, 1024–1035; **1973**, *12*, 964–974

Krampitz*, G., **Graser, G.**

Molecular Mechanisms of Biomineralization in the Formation of Calcified Shells

1988, *100*, 1181–1193; **1988**, *27*, 1145–1156

Köster*, R., **Grassberger, M. A.**

Structures and Syntheses of Carboranes

1967, *79*, 197–219; **1967**, *6*, 218–240

Grasserbauer*, M.

The Present State of Physical Methods for the Microanalysis of Solids—General Significance, Recent Developments, and Limitations

1981, *93*, 1059–1068; **1981**, *20*, 1004–1013

Freyschlag*, H., **Grassner, H.**, Nürrenbach, A., Pommer, H.,

Reif, W., Sarnecki, W.

Formation and Reactivity of Phosphonium Salts in the Vitamin A Series

1965, *77*, 277–282; **1965**, *4*, 287–291

Turro*, N. J., **Grätzel, M.**, Braun, A. M.

Photophysical and Photochemical Processes in Micellar Systems

1980, *92*, 712–734; **1980**, *19*, 675–696

Seipke*, G., Müllner, H., **Grau, U.**

High-Pressure Liquid Chromatography (HPLC) of Proteins

1986, *98*, 530–548; **1986**, *25*, 535–552

Krischer*, K., Mazouz, N., **Grauel, P.**

Fronts, Waves, and Stationary Patterns in Electrochemical Systems

2001, *113*, 842–863; **2001**, *40*, 850–869

Hudson*, R. F., **Green, M.**

Stereochemistry of Displacement Reactions at Phosphorus Atoms

1963, *75*, 47–56; **1963**, *2*, 11–20

Green*, M. M., Park, J.-W., Sato, T., Teramoto, A., Lifson, S., Selinger, R. L. B., Selinger, J. V.

The Macromolecular Route to Chiral Amplification

1999, *111*, 3328–3345; **1999**, *38*, 3138–3154

Sprague*, B. S., **Greene, H. E.**, Reuter, L. F., Smith, R. D.

Copolymers and Fibers from Vinylidenedicarbonitrile

1962, *74*, 545–550; **1962**, *1*, 425–430

Greenwood*, N. N.

Applications of Mössbauer Spectroscopy to Problems in Solid-State Chemistry

1971, *83*, 746–755; **1971**, *10*, 716–724

Kühle*, E., Klauke, E., **Grew, F.**

Fluordichlormethylthio-Verbindungen und ihre Verwendung im Pflanzenschutz

1964, *76*, 807–816; –

Erbe*, F., **Grewer, T.**, Wehage, K.

Zur Kinetik des homogenen Zerfalls von Chlorkohlenwasserstoffen in der Gasphase

1962, *74*, 988–993; –

- Eschenmoser*, A., Berteles, E., Boos, H., Dunitz, J. D., Elsinger, F., Felner, I., **Gribi, H. P.**, Gschwend, H., Meyer, E. F., Pesaro, M., Scheffold, R.
A Synthetic Route to the Corrin System
1964, 76, 393–399; **1964**, 3, 490–496
- Griesbaum*, K.**
Progress in the Chemistry of Allene
1966, 78, 953–966; **1966**, 5, 933–946
Acid-catalyzed Cyclodimerizations *via* Vinyl Cations as Intermediates
1969, 81, 966–970; **1969**, 8, 933–936
Problems and Possibilities of the Free-Radical Addition of Thiols to Unsaturated Compounds
1970, 82, 263–290; **1970**, 9, 273–287
- Kessler*, H., Gehrke, M., **Griesinger, C.**
Two-Dimensional NMR spectroscopy: Background and Overview of the Experiments
1988, 100, 507–554; **1988**, 27, 490–536
- Griffin*, G. W.**
Generation of Carbenes by Photochemical Cycloelimination
1971, 83, 604–613; **1971**, 10, 537–547
- Hünig*, S., Balli, H., Breiter, E., Brühne, F., Geiger, H., **Grigat, E.**, Müller, F., Quast, H.
Heterocyclic Azo Dyes by Oxidative Coupling
1962, 74, 818–824; **1962**, 1, 640–646
- Grigat*, E.**, Pütter, R.
Synthesis and Reactions of Cyanic Esters
1967, 79, 219–231; **1967**, 6, 206–218
- Grigat*, E.**
New Reactions with Cyanic Esters
1972, 84, 1008–1021; **1972**, 11, 949–963
- Kraft, A., **Grimsdale, A. C.**, Holmes*, A. B.
Electroluminescent Conjugated Polymers—Seeing Polymers in a New Light
1998, 110, 416–443; **1998**, 37, 402–428
- Grisebach*, H.**, Schmid, R.
Chemistry and Biochemistry of Branched-Chain Sugars
1972, 84, 192–206; **1972**, 11, 159–173
- Grisebach*, H.**, Ebel, J.
Phytoalexins, Chemical Defense Substances of Higher Plants?
1978, 90, 668–681; **1978**, 17, 635–647
- Grob*, C. A.**, Schiess, P. W.
Heterolytic Fragmentation. A Class of Organic Reactions
1967, 79, 1–14; **1967**, 6, 1–15
- Grob*, C. A.**
Mechanism and Stereochemistry of Heterolytic Fragmentation
1969, 81, 543–554; **1969**, 8, 535–546
Polar Effects in Organic Reactions
1976, 88, 621–627; **1976**, 15, 569–575
The Norbornyl Cation: Prototype of a 1,3-Bridged Carbocation
1982, 94, 87–96; **1982**, 21, 87–96
- Grochala, W.**, Hoffmann*, R.
Real and Hypothetical Intermediate-Valence $\text{Ag}^{\text{II}}/\text{Ag}^{\text{III}}$ and $\text{Ag}^{\text{II}}/\text{Ag}^{\text{I}}$ Fluoride Systems as Potential Superconductors
2001, 113, 2816–2859; **2001**, 40, 2742–2781
- Vogl, E. M., **Gröger, H.**, Shibasaki*, M.
Towards Perfect Asymmetric Catalysis: Additives and Cocatalysts
1999, 111, 1672–1680; **1999**, 38, 1570–1577
- Seiler*, F. R., **Gronski, P.**, Kurrle, R., Lüben, G., Harthus, H.-P., Ax, W., Bosslet, K., Schwick, H.-G.
Monoclonal Antibodies: Their Chemistry, Functions, and Possible Uses
1985, 97, 141–163; **1985**, 24, 139–160
- Gros, L.**, Ringsdorf*, H., Schupp, H.
Polymeric Antitumor Agents on a Molecular and on a Cellular Level?
1981, 93, 311–332; **1981**, 20, 305–325
- Gross*, H.**, Höft, E.
The Formation of C–C Bonds with the Aid of α -Halogeno Ethers, Sulfides, and Amines
1967, 79, 358–378; **1967**, 6, 335–355
- Gross, H. J.**, Riesner*, D.
Viroids: A Class of Subviral Pathogens
1980, 92, 233–245; **1980**, 19, 231–243
- Gross*, W.**
Biological Membranes
1971, 83, 419–427; **1971**, 10, 388–395
- Grotemeyer*, J.**, Schlag, E. W.
Multiphoton-Ionization-Mass Spectrometry (MUPI-MS)
1988, 100, 461–474; **1988**, 27, 447–459
- Schramm*, G., **Grötsch, H.**, Pollmann, W.
Non-Enzymatic Synthesis of Polysaccharides, Nucleosides and Nucleic Acids and the Origin of Self-Reproducing Systems
1962, 74, 53–59; **1962**, 1, 1–7
- Grovenstein*, E., Jr.**
Skeletal Rearrangements of Organoalkali Metal Compounds
1978, 90, 317–336; **1978**, 17, 313–332
- Ugi*, I., Bauer, J., Bley, K., Dengler, A., Dietz, A., Fontain, E., **Gruber, B.**, Herges, R., Knauer, M., Reitsam, K., Stein, N.
Computer-Assisted Solution of Chemical Problems—The Historical Development and the Present State of the Art of a New Discipline of Chemistry
1993, 105, 210–239; **1993**, 32, 201–227
- Schäfer*, H., **Gruehn, R.**, Schulte, F.
The Modifications of Niobium Pentoxide
1966, 78, 28–41; **1966**, 5, 40–52
- Gruehn*, R.**, Mertin, W.
High-Resolution Transmission Electron Microscopy Re-examined as a Tool in Solid-State Chemistry
1980, 92, 531–546; **1980**, 19, 505–520
- Gruehn*, R.**, Schweizer, H.-J.
Preparation of Solid-State Compounds by Chemical Transport—Interpretation and Control Using the Cooperative Transport Model
1983, 95, 80–93; **1983**, 22, 82–95
- Gruehn*, R.**, Glaum, R.
New Results of Chemical Transport as a Method for the Preparation and Thermochemical Investigation of Solids
2000, 112, 706–731; **2000**, 39, 692–716
- Grundmann*, C.**
Syntheses with *s*-Triazine
1963, 75, 393–407; **1963**, 2, 309–323
- Driess*, M., **Grützmacher*, H.**
Main Group Element Analogues of Carbenes, Olefins, and Small Rings
1996, 108, 900–929; **1996**, 35, 828–856
- Eschenmoser*, A., Berteles, E., Boos, H., Dunitz, J. D., Elsinger, F., Felner, I., **Gribi, H. P.**, **Gschwend, H.**, Meyer, E. F., Pesaro, M., Scheffold, R.
A Synthetic Route to the Corrin System
1964, 76, 393–399; **1964**, 3, 490–496
- Kool*, E. T., Morales, J. C., **Guckian, K. M.**
Mimicking the Structure and Function of DNA: Insights into DNA Stability and Replication
2000, 112, 1046–1068; **2000**, 39, 990–1009
- Niecke*, E., **Gudat, D.**
Iminophosphanes: Unconventional Compounds of Main Group Elements
1991, 103, 251–270; **1991**, 30, 217–237
- Gundermann*, K.-D.**
Neighboring Group and Substituent Effects in Organosulfur Compounds
1963, 75, 1194–1203; **1963**, 2, 674–683

Chemiluminescence in Organic Compounds
1965, 77, 572–580; **1965**, 4, 566–573

Bestian *, H., **Günther, D.**
An Acylal of Dimethylketene
1963, 75, 841–845; **1963**, 2, 608–613

Vogel *, E., **Günther, H.**
Benzene Oxide-Oxepin Valence Tautomerism
1967, 79, 429–446; **1967**, 6, 385–401

Günther *, H.
¹H NMR spectra of the AA'XX' and AA'BB' Type—Analysis and Classification
1972, 84, 907–920; **1972**, 11, 861–874

Benn *, R., **Günther *, H.**
Modern Pulse Methods in High-Resolution NMR spectroscopy
1983, 95, 381–411; **1983**, 22, 350–380

Simon *, H., Bader, J., **Günther, H.**, Neumann, S., Thanos, J.
Chiral Compounds Synthesized by Biocatalytic Reductions
1985, 97, 541–555; **1985**, 24, 539–553

Günther *, H., Moskau, D., Bast, P., Schmalz, D.
Modern NMR Spectroscopy of Organolithium Compounds
1987, 99, 1242–1250; **1987**, 26, 1212–1220

Günther *, P.
Die Chemikergeneration zwischen Humanismus und Technik
1963, 75, 5–9; –

Guo, Z., Sadler *, P. J.
Metals in Medicine
1999, 111, 1610–1630; **1999**, 38, 1512–1531

Wright *, J. C., Tallant, D. R., **Gustafson, F. J.**, Johnston, M. V.,
Miller, M. P., Moore, D. S., Porter, L. C., Akse, J. R.
Applications of SEPIL to the Solid State Defect Chemistry of
Fluorites and Ultra-Trace Inorganic Analysis
1979, 91, 765–780; **1979**, 18, 738–752

Gütlich *, P., Hauser, A., Spiering, H.
thermal and Optical Switching of Iron(II) Complexes
1994, 106, 2109–2141; **1994**, 33, 2024–2054

Gutmann *, V.
The Ionization (Heterolysis) of Covalent Compounds as a
Coordination-Chemical Phenomenon
1970, 82, 858–875; **1970**, 9, 843–860

Moser, R., Klauser, S., Leist, T., Langen, H., Epprecht, T.,
Gutte *, B.
Applications of Synthetic Peptides
1985, 97, 737–745; **1985**, 24, 719–727

Weissmerl *, K., Fischer, E., **Gutweiler, K.**, Hermann, H. D.,
Cherdron, H.
Polymerization of Trioxane
1967, 79, 512–520; **1967**, 6, 526–533

Nicolaou *, K. C., Dai, W.-M., **Guy, R. K.**
Chemistry and Biology of Taxol
1994, 106, 38–69; **1994**, 33, 15–44

Nicolaou *, K. C., **Guy, R. K.**
The Conquest of Taxol
1995, 107, 2247–2259; **1995**, 34, 2079–2090

Corey *, E. J., **Guzman-Perez, A.**
The Catalytic Enantioselective Construction of Molecules with
Quaternary Carbon Stereocenters
1998, 110, 402–415; **1998**, 37, 388–401

Gwinner *, E.
Polyolefin-Folien als Elektroisolation
1962, 74, 642–647; –

Rembold *, H., **Gyure, W. L.**
Biochemistry of the Pteridines
1972, 84, 1088–1099; **1972**, 11, 1061–1072



Echte *, A., **Haaf, F.**, Hambrecht, J.
Half a Century of Polystyrene—A Survey of the Chemistry and
Physics of a Pioneering Material
1981, 93, 372–388; **1981**, 20, 344–361

Rüchardt *, C., Meier, M., **Haaf, K.**, Pakusch, J., Wolber, E. K. A.,
Müller, B.
The Isocyanide–Cyanide Rearrangement; Mechanism and Prepara-
tive Applications
1991, 103, 907–915; **1991**, 30, 893–901

Almenningen, A., Bastiansen *, O., **Haaland, A.**, Seip, H. M.
Structure Determination of Free Molecules by Electron
Diffraction
1965, 77, 877–888; **1965**, 4, 819–829

Haaland *, A.
Covalent Versus Dative Bonds to Main Group Metals, A Useful
Distinction
1989, 101, 1017–1032; **1989**, 28, 992–1007

Friedrich, J., **Haarer *, D.**
Photochemical Hole Burning: A Spectroscopic Study of
Relaxation Processes in Polymers and Glasses
1984, 96, 96–123; **1984**, 23, 113–140

Haas *, A.
The Chemistry of Silicon-Sulfur Compounds
1965, 77, 1066–1075; **1965**, 4, 1014–1023

Gerstenberger, M. R. C., **Haas *, A.**
Methods of Fluorination in Organic Chemistry
1981, 93, 659–680; **1981**, 20, 647–667

Haase *, R.
Equilibrium Properties and Transport Properties of Concentrated
Electrolyte Solutions
1965, 77, 517–529; **1965**, 4, 485–496

Haberditzl *, W.
Advances in Molecular Diamagnetism
1966, 78, 277–288; **1966**, 5, 288–298

Habermehl *, G.
Strukturbestimmung organischer Moleküle mit Röntgenstrahlen
1963, 75, 78–87; –

Reichner *, K., **Habicht, H.**, Härtel, K., Emmel, L.
Ester des 4,6-Dinitro-2-sec.butylphenols als Pflanzenschutzmittel
1962, 74, 994–998; –

Fenske *, D., Ohmer, J., **Hachgenei, J.**, Merzweiler, K.
New Transition Metal Clusters with Ligands from Main Groups
Five and Six
1988, 100, 1300–1320; **1988**, 27, 1277–1296

Hafner *, K., Häfner, K. H., König, C., Kreuder, M., Ploss, G.,
Schulz, G., Sturm, E., Vöpel, K. H.
Fulvenes as Isomers of Benzenoid Compounds
1963, 75, 35–46; **1963**, 2, 123–134

Hafner *, K.
Structure and Aromatic Character of Non-Benzenoid, Cyclically
Conjugated Systems
1963, 75, 1041–1050; **1964**, 3, 165–173
August Kekulé—The Architect of Chemistry. Commemorating the
150th Anniversary of His Birth
1979, 91, 685–696; **1979**, 18, 641–651

Hafner *, K., **Häfner, K. H.**, König, C., Kreuder, M., Ploss, G.,
Schulz, G., Sturm, E., Vöpel, K. H.
Fulvenes as Isomers of Benzenoid Compounds
1963, 75, 35–46; **1963**, 2, 123–134

- Smidt *, J., **Hafner, W.**, Jira, R., Sieber, R., Sedlmeier, J., Sabel, A. The Oxidation of Olefins with Palladium Chloride Catalysts **1962**, 74, 93–102; **1962**, 1, 80–88
- Hagemann *, H.**
Synthesis and Reactions of *N*-Chlorocarbonyl Isocyanate **1977**, 89, 789–796; **1977**, 16, 743–750
- Hagrman, P. J., **Hagrman, D.**, Zubieta *, J.
Organic–Inorganic Hybrid Materials: From “Simple” Coordination Polymers to Organodiamine-Templated Molybdenum Oxides **1999**, 111, 2798–2848; **1999**, 38, 2638–2684
- Hagrman, P. J.**, Hagrman, D., Zubieta *, J.
Organic–Inorganic Hybrid Materials: From “Simple” Coordination Polymers to Organodiamine-Templated Molybdenum Oxides **1999**, 111, 2798–2848; **1999**, 38, 2638–2684
- Hahn *, F. E.**
The Coordination Chemistry of Multidentate Isocyanide Ligands **1993**, 105, 681–696; **1993**, 32, 650–665
- Pace, C. N., Heinemann, U., **Hahn, U.**, Saenger *, W.
Ribonuclease T1: Structure, Function, and Stability **1991**, 103, 351–369; **1991**, 30, 343–360
- Bredereck *, H., Effenberger, F., Hofmann, A., **Hajek, M.**
Syntheses of *s*-Triazine and Substituted *s*-Triazines **1963**, 75, 825–830; **1963**, 2, 655–659
- Halász *, I.**, Martin, K.
Pore Sizes of Solids **1978**, 90, 954–961; **1978**, 17, 901–908
- Halász *, I.**, Vogtel, P.
Determination of Morphological Properties of Swellable Solids by Exclusion Chromatography **1980**, 92, 25–29; **1980**, 19, 24–28
- Halász *, I.**, Görlitz, G.
Optimal Parameters in High Speed Liquid Chromatography (HPLC) **1982**, 94, 50–62; **1982**, 21, 50–61
- Reichardt *, C., **Halbritter, K.**
Preparation, Structure, and Reactions of Halomalondialdehydes **1975**, 87, 124–132; **1975**, 14, 86–94
- Wong *, C.-H., **Halcomb, R. L.**, Ichikawa, Y., Kajimoto, T.
Enzymes in Organic Synthesis: Application to the Problems of Carbohydrate Recognition (Part 1) **1995**, 107, 453–474; **1995**, 34, 412–432
Enzymes in Organic Synthesis: Application to the Problems of Carbohydrate Recognition (Part 2) **1995**, 107, 569–593; **1995**, 34, 521–546
- Asinger *, F., Schäfer, W., **Halcour, K.**, Saus, A., Triem, H.
The Course of the Willgerodt–Kindler Reaction of Alkyl Aryl Ketones **1963**, 75, 1050–1059; **1964**, 3, 19–28
- Halevi *, E. A.**
Orbital Correspondence Analysis in Maximum Symmetry **1976**, 88, 664–679; **1976**, 15, 593–607
- Hall *, H. K., Jr.**
Bond-Forming Initiation in Spontaneous Addition and Polymerization Reactions of Alkenes **1983**, 95, 448–464; **1983**, 22, 440–455
- Halpern *, J.**
Oxidation of Organometallic Compounds **1985**, 97, 308–316; **1985**, 24, 274–282
- Rabinovitz *, M., Cohen, Y., **Halpern, M.**
Hydroxide Ion Initiated Reactions under Phase Transfer Catalysis Conditions: Mechanism and Implications **1986**, 98, 958–968; **1986**, 25, 960–970
- Echte *, A., Haaf, F., **Hambrecht, J.**
Half a Century of Polystyrene—A Survey of the Chemistry and Physics of a Pioneering Material **1981**, 93, 372–388; **1981**, 20, 344–361
- Hammond *, G. S.**, Stephenson, L. M.
Deactivation of Excited States **1969**, 81, 279–289; **1969**, 8, 261–270
- Chisholm *, M. H., Clark, D. L., **Hampden-Smith, M. J.**, Hoffman, D. M.
Alkoxide Clusters of Molybdenum and Tungsten as Templates for Organometallic Chemistry: Comparison with Carbonyl Clusters of the Later Transition Elements **1989**, 101, 446–458; **1989**, 28, 432–444
- Hamprecht *, B.**
Neuron Models **1976**, 88, 211–223; **1976**, 15, 194–206
- Hamprecht *, G.**, König, K.-H., Stubenrauch, G.
Alkylsulfamoyl Chlorides as Key Units in the Synthesis of Novel Biologically Active Compounds for Crop Protection **1981**, 93, 151–163; **1981**, 20, 151–164
- Hückel *, W., **Hanack, M.**
Eliminations in Cyclic *cis-trans*-Isomers **1967**, 79, 555–565; **1967**, 6, 534–544
- Hanack *, M.**, Schneider, H.-J.
Neighboring-Group Effects and Rearrangements in Reactions of Cyclopropylmethyl, Cyclobutyl, and Homoallyl Systems **1967**, 79, 709–720; **1967**, 6, 666–677
- Hanack *, M.**
Mechanistic and Preparative Aspects of Vinyl Cation Chemistry **1978**, 90, 346–359; **1978**, 17, 333–341
- Tsutsui *, M., **Hancock, M.**, Ariyoshi, J., Levy, M. N.
 σ - π Rearrangements of Organotransition Metal Compounds **1969**, 81, 453–463; **1969**, 8, 410–420
- Hübenett *, F., Flock, F. H., **Hansel, W.**, Heinze, H., Hofmann, H.
Isothiazoles **1963**, 75, 1189–1193; **1963**, 2, 714–719
- Hanson *, J. R.**, Premuzic, E.
The Reduction of Organic Compounds with Chromium(II) Salts **1968**, 80, 271–276; **1968**, 7, 247–252
- Haraldsen *, H.**
Contributions to the Chemistry of the Binary Compounds of the Transition Element Compounds **1966**, 78, 64–72; **1966**, 5, 58–66
- Hardel *, K.**
Mechanisms of Reactions in the Solid State Reactions **1972**, 84, 227–233; **1972**, 11, 173–179
- Hardt, D.**, Süling *, C., Lindner, C., Morbitzer, L.
Single-Phase Polymer Alloys of Polyvinyl Chloride and New Polymers **1982**, 94, 159–169; **1982**, 21, 174–184
- Wilke *, G., Bogdanović, B., **Hardt, P.**, Heimbach, P., Keim, W., Kröner, M., Oberkirch, W., Tanaka, K., Steinrück, E., Walter, D., Zimmermann, H.
Allyl-Transition Metal Systems **1966**, 78, 157–172; **1966**, 5, 151–164
- Cymerman Craig *, J., Bergenthal, M. D., Fleming, I., **Harley-Mason, J.**
Synthesis of Alkynes from Enol Esters **1969**, 81, 437–446; **1969**, 8, 429–437
- Harnisch *, H.**, Heymer, G., Schallus, E.
Inorganic Reactions with Arc-heated Gases *Chem.-Ing.-Tech.* **1963**, 35, 7–10; **1963**, 2, 238–242
- Harnisch *, H.**
The Chemistry of Simple Phosphorus–Carbon Compounds **1976**, 88, 517–524; **1976**, 15, 468–475
- Harre, M.**, Raddatz, P., Walenta, R., Winterfeldt *, E.
4-Oxo-2-cyclopentenyl Acetate—A Synthetic Intermediate **1982**, 94, 496–508; **1982**, 21, 480–492

- Harris*, K. D. M.**, Tremayne, M., Kariuki, B. M.
Contemporary Advances in the Use of Powder X-Ray Diffraction for Structure Determination
2001, *113*, 1674–1700; **2001**, *40*, 1626–1651
- Harteck*, P.**, Reeves, R. R.
Chemical Reactions in the Atmosphere
1962, *74*, 1–9; **1962**, *1*, 25–32
- Reichner*, K., Habicht, H., **Härtel, K.**, Emmel, L.
Ester des 4,6-Dinitro-2-sec.butylphenols als Pflanzenschutzmittel
1962, *74*, 994–998; –
- Scherer*, O., Hörlein, G., **Härtel, K.**
Preparation of *N*-Alkoxyureas and Their Use as Selective Herbicides
1963, *75*, 851–854; **1963**, *2*, 670–673
- Seiler*, F. R., Gronski, P., Kurrle, R., Lüben, G., **Harthus, H.-P.**, Ax, W., Bosslet, K., Schwick, H.-G.
Monoclonal Antibodies: Their Chemistry, Functions, and Possible Uses
1985, *97*, 141–163; **1985**, *24*, 139–160
- Hartley*, F. R.**
Metal-Olefin and -Acetylene Bonding in Complexes
1972, *84*, 657–667; **1972**, *11*, 596–606
- Hartmann*, A.**, Sangmeister, E.
The Study of Prehistoric Metallurgy
1972, *84*, 668–678; **1972**, *11*, 620–629
- Hartmann*, G. R.**, Behr, W., Beissner, K.-A., Honikel, K., Sippel, A.
Antibiotics as Inhibitors of Nucleic Acid and Protein Synthesis
1968, *80*, 710–718; **1968**, *7*, 693–701
- Hartmann*, G. R.**
Exchange in vitro of Subunits between Enzymes from Different Organisms: Chimeras of Enzymes
1976, *88*, 197–203; **1976**, *15*, 181–186
- Hartmann*, G. R.**, Heinrich, P., Kollenda, M. C., Skrobranek, B., Tropschug, M., Weiss, W.
Molecular Mechanism of Action of the Antibiotic Rifampicin
1985, *97*, 1011–1017; **1985**, *24*, 1009–1014
- Hartmann*, H.**
The Formula of Benzene
1965, *77*, 750–752; **1965**, *4*, 729–731
Chemical Bonding in Solids
1971, *83*, 521–523; **1971**, *10*, 460–462
- Hartwig*, J. F.**
Transition Metal Catalyzed Synthesis of Arylamines and Aryl Ethers from Aryl Halides and Triflates: Scope and Mechanism
1998, *110*, 2154–2177; **1998**, *37*, 2046–2067
- Gleisberg, D., Kandler*, J., Ulrich, H., **Hartz, P.**
Eutrophication and Wastewater Purification
1976, *88*, 354–365; **1976**, *15*, 354–365
- Harwood*, H. J.**
Sequence Distribution in Copolymers
1965, *77*, 405–413, 1124–1134; **1965**, *4*, 394–401, 1051–1060
- Hassel*, O.**
Strukturelle Aspekte der interatomaren Charge-transfer-Bindung (Nobel Lecture)
1970, *82*, 821–827; –
- L'abbé, G., **Hassner*, A.**
New Methods for the Synthesis of Vinyl Azides
1971, *83*, 103–109; **1971**, *10*, 98–104
- Hastings*, G. W.**
Macromolecular Chemistry and Medicine
1970, *82*, 367–379; **1970**, *9*, 332–344
- Haubner, R.**, Finsinger, D., Kessler*, H.
Stereoisomeric Peptide Libraries and Peptidomimetics for Designing Selective Inhibitors of the $\alpha_v\beta_3$ Integrin for a New Cancer Therapy
1997, *109*, 1440–1456; **1997**, *36*, 1374–1389
- Schwick*, H.-G., **Haupt, H.**
Chemistry and Function of Human Plasma Proteins
1980, *92*, 83–95; **1980**, *19*, 87–99
- Hauptman*, H.**
Direct Methods and Anomalous Dispersion (Nobel Lecture)
1986, *98*, 600–610; **1986**, *25*, 603–613
- Gütlich*, P., **Hauser, A.**, Spiering, H.
Thermal and Optical Switching of Iron(II) Complexes
1994, *106*, 2109–2141; **1994**, *33*, 2024–2054
- Bock*, H., Ruppert, K., Näther, C., **Havlas, Z.**, Herrmann, H.-F., Arad, C., Göbel, I., John, A., Meuret, J., Nick, S., Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B.
Distorted Molecules: Perturbation Design, Preparation and Structures
1992, *104*, 564–595; **1992**, *31*, 550–581
- Hawkins*, E. G. E.**
 α -Peroxyamines
1973, *85*, 850–860; **1973**, *12*, 783–793
- Hawthorne*, M. F.**
The Role of Chemistry in the Development of Boron Neutron Capture Therapy of Cancer
1993, *105*, 997–1033; **1993**, *32*, 950–984
- Heathcock*, C. H.**
The Enchanting Alkaloids of Yuzuriha
1992, *104*, 675–691; **1992**, *31*, 665–681
- Hecht, S.**, Fréchet*, J. M. J.
Dendritic Encapsulation of Function: Applying Nature's Site Isolation Principle from Biomimetics to Materials Science
2001, *113*, 76–94; **2001**, *40*, 74–91
- Boehm*, H.-P., Diehl, E., **Heck, W.**, Sappok, R.
Surface Oxides of Carbon
1964, *76*, 743–751; **1964**, *3*, 669–677
- Seebach*, D., Beck, A. K., **Heckel, A.**
TADDOLs, Their Derivatives, and TADDOL Analogues: Versatile Chiral Auxiliaries
2001, *113*, 96–142; **2001**, *40*, 92–138
- Heeger*, A. J.**
Semiconducting and Metallic Polymers: The Fourth Generation of Polymeric Materials (Nobel Lecture)
2001, *113*, 2660–2682; **2001**, *40*, 2591–2611
- Hegedus*, L. S.**
Transition Metals in the Synthesis and Functionalization of Indoles
1988, *100*, 1147–1161; **1988**, *27*, 1113–1126
- Fitzer*, E., **Hegen, D.**
Chemical Vapor Deposition of Silicon Carbide and Silicon Nitride—Chemistry's Contribution to Modern Silicon Ceramics
1979, *91*, 316–325; **1979**, *18*, 295–304
- Maahs*, G., **Hegenberg, P.**
Syntheses and Derivatives of Squaric Acid
1966, *78*, 927–931; **1966**, *5*, 888–893
- Heide, K.**, Schwick*, H.-G.
Chemistry and Significance of the Carbohydrate Moieties of Human Serum Glycoproteins
1973, *85*, 803–815; **1973**, *12*, 721–733
- Zahn*, H., **Heidemann, G.**, Pätzold, W., Gleitsmann, G. B.
Synthetische Fasern (Tendenz in Produktion, Entwicklung und Forschung)
1962, *74*, 599–605; –

- Heightman, T. D.**, Vasella*, A. T.
Recent Insights into Inhibition, Structure, and Mechanism of Configuration-Retaining Glycosidases
1999, *111*, 794–815; **1999**, *38*, 750–770
- Sippel*, A., **Heim, E.**
Eine neue Verteilungsfunktion und ihre Anwendung auf verschiedene Wissensgebiete
1962, *74*, 580–585; –
- Wilke*, G., Bogdanović, B., Hardt, P., **Heimbach, P.**, Keim, W., Kröner, M., Oberkirch, W., Tanaka, K., Steinrücke, E., Walter, D., Zimmermann, H.
Allyl-Transition Metal Systems
1966, *78*, 157–172; **1966**, *5*, 151–164
- Heimbach*, P.**
Cyclooligomerization with Transition Metal Catalysts
1973, *85*, 1035–1049; **1973**, *12*, 975–989
- Heimbürger*, N.**, Trobisch, H.
Blood Coagulation and Fibrinolysis
1971, *83*, 89–102; **1971**, *10*, 85–97
- Heimgartner*, H.**
3-Amino-2*H*-Azirines. Synthones for α,α -Disubstituted α -Amino Acids in Heterocycle and Peptide Synthesis
1991, *103*, 271–297; **1991**, *30*, 238–264
- Heine*, H.-G.**, Rosenkranz, H.-J., Rudolph, H.
Aromatic Keto Compounds as Initiators in Photopolymerizations
1972, *84*, 1032–1036; **1972**, *11*, 974–978
- Heine*, H. W.**
The Isomerization of Aziridine Derivatives
1962, *74*, 772–776; **1962**, *1*, 528–532
- Pace, C. N., **Heinemann, U.**, Hahn, U., Saenger*, W.
Ribonuclease T1: Structure, Function, and Stability
1991, *103*, 351–369; **1991**, *30*, 343–360
- Hartmann*, G. R., **Heinrich, P.**, Kollenda, M. C., Skrobranek, B., Tropschug, M., Weiss, W.
Molecular Mechanism of Action of the Antibiotic Rifampicin
1985, *97*, 1011–1017; **1985**, *24*, 1009–1014
- Heintz, A.**, Lichtenthaler*, R. N.
Liquid Structure and Thermodynamics of Alkane Mixtures
1982, *94*, 170–183; **1982**, *21*, 184–197
- Hübenett*, F., Flock, F. H., Hansel, W., **Heinze, H.**, Hofmann, H.
Isothiazoles
1963, *75*, 1189–1193; **1963**, *2*, 714–719
- Heinze*, J.**
Cyclic Voltammetry—“Electrochemical Spectroscopy”
1984, *96*, 823–840; **1984**, *23*, 831–847
Ultramicroelectrodes in Electrochemistry
1993, *105*, 1327–1349; **1993**, *32*, 1268–1288
- Heitbaum*, J.**, Vielstich, W.
Modern Methods for the Study of Electrode Processes
1974, *86*, 756–770; **1974**, *13*, 683–696
- Heitele*, H.**
Dynamic Solvent Effects on Electron-Transfer Reactions
1993, *105*, 378–398; **1993**, *32*, 359–377
- Fischer*, W., Deierling, B., **Heitsch, H.**, Otto, G., Pohlmann, H.-P., Reinhardt, K.
The Separation of Zirconium and Hafnium by Liquid-Liquid Partition of Their Thiocyanates
1966, *78*, 19–27; **1966**, *5*, 15–23
- Heitz*, W.**
Gel Chromatography
1970, *82*, 675–689; **1970**, *9*, 689–702
- Corey*, E. J., **Helal, C. J.**
Reduction of Carbonyl Compounds with Chiral Oxazaborolidine Catalysts: A New Paradigm for Enantioselective Catalysis and a Powerful New Synthetic Method
1998, *110*, 2092–2118; **1998**, *37*, 1986–2012
- Schmidbaur*, H., Classen, H. G., **Helbig, J.**
Aspartic and Glutamic Acid as Ligands to Alkali and Alkaline-Earth Metals: Structural Chemistry as Related to Magnesium Therapy
1990, *102*, 1122–1136; **1990**, *29*, 1090–1103
- Heldt*, H. W.**
Energy Metabolism in Mitochondria
1972, *84*, 792–798; **1972**, *11*, 792–798
- Thuong, N. T., **Hélène*, C.**
Sequence-Specific Recognition and Modification of Double-Helical DNA by Oligonucleotides
1993, *105*, 697–723; **1993**, *32*, 666–690
- Helfferrich*, F.**
Theories of Ion-Exchange Column Performance: A Critical Study
Chem.-Ing.-Tech. **1962**, *34*, 269–282; **1962**, *1*, 440–453
- Lindberg*, B., Björndal, H., **Hellerqvist, C. G.**, Svensson, S.
Gas-Liquid Chromatography and Mass Spectrometry in Methylation Analysis of Polysaccharides
1970, *82*, 643–652; **1970**, *9*, 610–619
- Seeliger, W., Aufderhaar, E., Diepers, W., Feinauer, R., Nehring, R., Thier, W., **Hellmann*, H.**
Recent Syntheses and Reactions of Cyclic Imidic Esters
1966, *78*, 913–927; **1966**, *5*, 875–888
- Bott, K., **Hellmann*, H.**
Syntheses of Carboxylic Acids from 1,1-Dichloroethylene
1966, *78*, 932–936; **1966**, *5*, 870–874
- Schäfer, W., **Hellmann*, H.**
Hexamethyl(Dewar Benzene) (Hexamethylbicyclo[2.2.0]hexa-2,5-diene)
1967, *79*, 566–573; **1967**, *6*, 518–525
- Prelog*, V., **Helmchen, G.**
Basic Principles of the CIP-System and Proposals for a Revision
1982, *94*, 614–631; **1982**, *21*, 567–583
- Helmreich*, E. J. M.**, Klein, H. W.
The Role of Pyridoxal Phosphate in the Catalysis of Glycogen Phosphorylases
1980, *92*, 429–444; **1980**, *19*, 441–455
- Pfeiffer, S., Mayer*, Bernd, **Hemmens, B.**
Nitric Oxide: Chemical Puzzles Posed by a Biological Messenger
1999, *111*, 1824–1844; **1999**, *38*, 1714–1731
- Hemmerich*, P.**, Veeger, C., Wood, H. C. S.
Progress in Chemistry and Molecular Biology of Flavins and Flavoenzymes
1965, *77*, 699–716; **1965**, *4*, 671–687
- Bogdanović*, B., **Henc, B.**, Löslér, A., Meister, B., Pauling, H., Wilke, G.
Asymmetric Syntheses with the Aid of Homogeneous Transition Metal Catalysts
1973, *85*, 1013–1023; **1973**, *12*, 954–964
- Bernstein*, J., Davey, R. J., **Henck, J.-O.**
Concomitant Polymorphs
1999, *111*, 3646–3669; **1999**, *38*, 3440–3461
- Henderson*, R. A.**
Protonation of Unsaturated Hydrocarbon Ligands: Regioselectivity, Stereoselectivity, and Product Specificity
1996, *108*, 1024–1046; **1996**, *35*, 946–967
- Ager*, D. J., Pantaleone, D. P., **Henderson, S. A.**, Katritzky, A. R., Prakash, I., Walters, D. E.
Commercial, Synthetic Nonnutritive Sweeteners
1998, *110*, 1900–1916; **1998**, *37*, 1802–1817
- Hendrickson*, J. B.**
The Variety of Thermal Pericyclic Reactions
1974, *86*, 71–100; **1974**, *13*, 47–76
Organic Synthesis in the Age of Computers
1990, *102*, 1328–1338; **1990**, *29*, 1286–1295

Krebs*, B., Henkel*, G.

Transition-Metal Thiolates: From Molecular Fragments of Sulfidic Solids to Models for Active Centers in Biomolecules
1991, *103*, 785–804; **1991**, *30*, 769–788

Ziegler*, E., Henneberg, D., Schomburg, G.

Computer Systems for Chemical Research
1972, *84*, 371–380; **1972**, *11*, 348–357

Henneberg*, D., Casper, K., Ziegler, E., Weimann, B.

Computer-Aided Analysis of Organic Mass Spectra
1972, *84*, 381–390; **1972**, *11*, 357–366

Hennig*, U.

Multienzyme Complexes
1966, *78*, 865–871; **1966**, *5*, 785–790

Henning*, R.

Mouse Histocompatibility Antigens
1978, *90*, 337–346; **1978**, *17*, 342–350

Henrich, E., Ebert*, K. H.

The Chemistry of GALLEX—Measurement of Solar Neutrinos with a Radiochemical Gallium Detector
1992, *104*, 1310–1324; **1992**, *31*, 1283–1297

Henrici-Olivé*, G., Olivé, S.

The Active Species in Homogeneous Ziegler–Natta Catalysts for the Polymerization of Ethylene
1967, *79*, 764–773; **1967**, *6*, 790–798

Non-Enzymatic Activation of Molecular Nitrogen
1969, *81*, 679–690; **1969**, *8*, 650–659

Influence of Ligands on the Activity and Specificity of Soluble Transition Metal Catalysts
1971, *83*, 121–132; **1971**, *10*, 105–115

Vanadium and Chromium Catalysts for Polymerization of Ethylene
1971, *83*, 782–793; **1971**, *10*, 776–786

Activation of Molecular Oxygen
1974, *86*, 1–12; **1974**, *13*, 29–38

The Fischer–Tropsch Synthesis: Molecular Weight Distribution of Primary Products and Reaction Mechanism
1976, *88*, 144–150; **1976**, *15*, 136–141

Henrick, K., McPartlin*, M., Morris, J.

Computer Graphics in the Study of Metal Cluster Compounds
1986, *98*, 843–850; **1986**, *25*, 853–860

Henschler*, D.

Toxicological Problems Relating to Changes in the Environment
1973, *85*, 317–326; **1973**, *12*, 274–283

Toxicity of Chlorinated Organic Compounds: Effects of the Introduction of Chlorine in Organic Molecules
1994, *106*, 1997–2012; **1994**, *33*, 1920–1935

Hoppe*, D., Hense, T.

Enantioselective Synthesis with Lithium/(–)-Sparteine Carbanion Pairs
1997, *109*, 2376–2410; **1997**, *36*, 2282–2316

Hensel*, F.

Transition to Nonmetallic Behavior in Expanded Liquid and Gaseous Metals
1974, *86*, 459–467; **1974**, *13*, 446–456

Liquid Metals and Liquid Semiconductors
1980, *92*, 598–611; **1980**, *19*, 593–606

Hensel*, H. R., Lützel, G.

New Cotton Dyes
1965, *77*, 303–313; **1965**, *4*, 312–321

Fischer*, W., Biesenberger, K., Heppner, J., Neitzel, U.

Old and New Processes of Multiplicative Distribution (Liquid–Liquid Extraction)
Chem.-Ing.-Tech. **1964**, *36*, 85–99; **1964**, *3*, 791–800

Papageorgiou*, V. P., Assimopoulou, A. N., Couladouros, E. A., Hepworth, D., Nicolaou*, K. C.

The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products
1999, *111*, 280–311; **1999**, *38*, 270–301

Herbst*, E.

The Chemistry of Interstellar Space
1990, *102*, 627–641; **1990**, *29*, 595–608

Hergenrother*, P. M.

Perspectives in the Development of High-Temperature Polymers
1990, *102*, 1302–1309; **1990**, *29*, 1262–1268

Ugi*, I., Bauer, J., Bley, K., Dengler, A., Dietz, A., Fontain, E., Gruber, B., Herges, R., Knauer, M., Reitsam, K., Stein, N. Computer-Assisted Solution of Chemical Problems—The Historical Development and the Present State of the Art of a New Discipline of Chemistry
1993, *105*, 210–239; **1993**, *32*, 201–227

Herges*, R.

Organizing Principle of Complex Reactions and Theory of Coarctate Transition States
1994, *106*, 261–283; **1994**, *33*, 255–276

Petersen*, S., Herlinger, H., Tietze, E., Siefken, W.

Syntheses in the 3-Aminoquinazol-4-one and 3-Aminobenzotriazin-4-one Series
1962, *74*, 855–861; **1963**, *2*, 24–29

Hermann*, A.

From Planck to Bohr. The First Fifteen Years in the Development of the Quantum Theory
1970, *82*, 1–7; **1970**, *9*, 34–40

Weissermel*, K., Fischer, E., Gutweiler, K., Hermann, H. D., Cherdron, H.

Polymerization of Trioxane
1967, *79*, 512–520; **1967**, *6*, 526–533

Hermann*, T.

Strategies for the Design of Drugs Targeting RNA and RNA–Protein Complexes
2000, *112*, 1962–1979; **2000**, *39*, 1890–1904

Bolm*, C., Hildebrand, J. P., Muñoz, K., Hermanns, N.

Catalyzed Asymmetric Arylation Reactions
2001, *113*, 3382–3407; **2001**, *40*, 3284–3308

Thilgen, C., Herrmann, A., Diederich*, F.

The Covalent Chemistry of Higher Fullerenes: C₇₀ and Beyond
1997, *109*, 2362–2374; **1997**, *36*, 2268–2280

Herrmann*, G.

Synthesis of the Heaviest Chemical Elements—Results and Perspectives
1988, *100*, 1471–1491; **1988**, *27*, 1417–1436

Five Decades Ago: From the “Transuranics” to Nuclear Fission
1990, *102*, 469–496; **1990**, *29*, 481–508

Bock*, H., Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F.,

Arad, C., Göbel, I., John, A., Meuret, J., Nick, S., Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B. Distorted Molecules: Perturbation Design, Preparation and Structures
1992, *104*, 564–595; **1992**, *31*, 550–581

Herrmann*, O.

Beziehungen zwischen anwendungstechnischen Eigenschaften, chemischer Konstitution und Verstreckungsgrad bei Kunststoff-Folien
1962, *74*, 633–637; –

Herrmann*, W. A.

Organometallic Syntheses with Diazoalkanes
1978, *90*, 855–868; **1978**, *17*, 800–812

Organometallic Aspects of the Fischer–Tropsch Synthesis
1982, *94*, 118–131; **1982**, *21*, 117–130

- Multiple Bonds between Transition Metals and "Bare" Main Group Elements: Links between Inorganic Solid State Chemistry and Organometallic Chemistry
1986, 98, 57–77; **1986**, 25, 56–76
 High Oxidation State Organometallic Chemistry, A Challenge—the Example of Rhenium
1988, 100, 1269–1286; **1988**, 27, 1297–1313
- Herrmann*, W. A.**, Kohlpaintner*, C. W.
 Water-Soluble Ligands, Metal Complexes, and Catalysts: Synergism of Homogeneous and Heterogeneous Catalysis
1993, 105, 1588–1609; **1993**, 32, 1524–1544
- Cornils*, B., **Herrmann, W. A.**, Rasch, M.
 Otto Roelen, Pioneer in Industrial Homogeneous Catalysis
1994, 106, 2219–2238; **1994**, 33, 2144–2163
- Herrmann*, W. A.**, Huber, N. W., Runte, O.
 Volatile Metal Alkoxides according to the Concept of Donor Functionalization
1995, 107, 2371–2390; **1995**, 34, 2187–2206
- Herrmann*, W. A.**, Cornils*, B.
 Organometallic Homogeneous Catalysis—Quo vadis?
1997, 109, 1074–1095; **1997**, 36, 1048–1067
- Herrmann*, W. A.**, Köcher, C.
 N-Heterocyclic Carbenes
1997, 109, 2256–2282; **1997**, 36, 2162–2187
- Herschbach*, D. R.**
 Molecular Dynamics of Elementary Chemical Reactions (Nobel Lecture)
1987, 99, 1251–1275; **1987**, 26, 1221–1243
- Hershey*, A. D.**
 Idiosynkrasien der DNA-Struktur (Nobel Lecture)
1970, 82, 943–946; –
- Kuchen*, W., **Hertel, H.**
 Metal Complexes of Thiophosphinic and Selenophosphinic Acids
1969, 81, 127–135; **1969**, 8, 89–97
- Hertz*, H. G.**
 Structure of the Solvation Shell of Dissolved Particles
1970, 82, 91–106; **1970**, 9, 124–138
- Herzberg*, G.**
 Spektroskopische Untersuchung von Molekülstrukturen (Nobel Lecture)
1972, 84, 1126–1142; –
- Kortüm*, G., Braun, W., **Herzog, G.**
 Principles and Techniques of Diffuse-Reflectance Spectroscopy
1963, 75, 653–661; **1963**, 2, 333–341
- Bosshardt, H., **Hesse*, M.**
 Mass Spectral Interaction between the Functional Groups of Multiply Substituted Alkanes
1974, 86, 256–270; **1974**, 13, 252–266
- Hölderich*, W., **Hesse, M.**, Näumann, F.
 Zeolites: Catalysts for Organic Synthesis
1988, 100, 232–251; **1988**, 27, 226–246
- Heusler*, K.**, Kalvoda, J.
 Intramolecular Free-Radical Reactions
1964, 76, 518–531; **1964**, 3, 525–538
- Heyer*, H.**
 The Kinetics of Crystal Growth
1966, 78, 130–141; **1966**, 5, 67–77
- Heymann*, K.**, Riedel, W., Woldt, G.
 Electroplating of Plastics in Theory and Practice
1970, 82, 412–421; **1970**, 9, 425–433
- Harnisch*, H., **Heymer, G.**, Schallus, E.
 Inorganic Reactions with Arc-heated Gases
Chem.-Ing.-Tech. **1963**, 35, 7–10; **1963**, 2, 238–242
- Heyna*, J.**
 Reactive Dyes Containing Vinylsulfonyl Groups
1962, 74, 966–969; **1963**, 2, 20–23
- Hezel*, U.**
 Direct Quantitative Photometry on Thin Layer Chromatography
1973, 85, 334–342; **1973**, 12, 298–306
- Hibst*, H.**
 Hexagonal Ferrites from Melts and Aqueous Solutions, Magnetic Recording Materials
1982, 94, 263–274; **1982**, 21, 270–282
- Bolm*, C., **Hildebrand, J. P.**, Muñiz, K., Hermanns, N.
 Catalyzed Asymmetric Arylation Reactions
2001, 113, 3382–3407; **2001**, 40, 3284–3308
- Hildebrandt, B.-U.**, Schlottmann*, U.
 Chemical Safety—An International Challenge
1998, 110, 1382–1393; **1998**, 37, 1316–1326
- Hilgetag*, G.**, Teichmann, H.
 Alkylating Properties of Alkyl Thiophosphates
1965, 77, 1001–1009; **1965**, 4, 914–922
- Teichmann, H., **Hilgetag*, G.**
 Nucleophilic Reactivity of the Thiophosphoryl Group
1967, 79, 1077–1088; **1967**, 6, 1013–1023
- von Rybinski*, W., **Hill*, K.**
 Alkyl Polyglycosides—Properties and Applications of a new Class of Surfactants
1998, 110, 1394–1412; **1998**, 37, 1328–1345
- Blohm*, D., Bollschweiler, C., **Hillen, H.**
 Pharmaceutical Proteins
1988, 100, 213–231; **1988**, 27, 207–225
- Saenger*, W., Orth, P., Kisker, C., **Hillen, W.**, Hinrichs, W.
 The Tetracycline Repressor—A Paradigm for a Biological Switch
2000, 112, 2122–2133; **2000**, 39, 2042–2052
- Mayer*, R., **Hiller, G.**, Nitzschke, M., Jentzsch, J.
 Base-Catalysed Reactions of Ketones with Hydrogen Sulfide
1963, 75, 1011–1014; **1963**, 2, 370–373
- Taylor, S. V., Kast, P., **Hilvert*, D.**
 Investigating and Engineering Enzymes by Genetic Selection
2001, 113, 3408–3436; **2001**, 40, 3310–3335
- Himmele*, W.**, Pommer, E.-H.
 3-Phenylpropylamines. A New Class of Systemic Fungicides
1980, 92, 176–181; **1980**, 19, 184–189
- Siegel*, H., **Himmele, W.**
 Synthesis of Intermediates by Rhodium-Catalyzed Hydroformylation
1980, 92, 182–187; **1980**, 19, 178–183
- Hinrichs*, H.**, Niedetzky, J.
 A New Type of Converter for Ammonia Synthesis
Chem.-Ing.-Tech. **1962**, 34, 88–91; **1962**, 1, 206–210
- Saenger*, W., Orth, P., Kisker, C., Hillen, W., **Hinrichs, W.**
 The Tetracycline Repressor—A Paradigm for a Biological Switch
2000, 112, 2122–2133; **2000**, 39, 2042–2052
- Hinterding, K.**, Alonso-Díaz, D., Waldmann*, H.
 Organic Synthesis and Biological Signal Transduction
1998, 110, 716–780; **1998**, 37, 688–749
- Bergmann, D., **Hinze*, J.**
 Electronegativity and Molecular Properties
1996, 108, 162–176 (849); **1996**, 35, 150–163 (781)
- Hirschmann*, R.**
 Medicinal Chemistry in the Golden Age of Biology: Lessons from Steroid and Peptide Research
1991, 103, 1305–1330; **1991**, 30, 1278–1301
- Baumann, H., Bühler, M., Fochem, H., **Hirsinger, F.**, Zobebelein, H., Falbe*, J.
 Natural Fats and Oils—Renewable Raw Materials for the Chemical Industry
1988, 100, 41–62; **1988**, 27, 41–62

Hitchings*, G. H., Jr.

Selective Inhibitors of Dihydrofolate Reductase (Nobel Lecture)
1989, *101*, 903–909; **1989**, *28*, 879–885

Hocker*, J., Merten, R.

Reactions of Electron-Rich Olefins with Proton-Active Compounds
1972, *84*, 1022–1031; **1972**, *11*, 964–973

Hodgkin*, A. L.

Ionenbewegungen als Grundlage der Nervenleitung (Nobel Lecture)
1964, *76*, 661–668; –

Hoefs*, J.

Geochemistry of Stable Isotopes
1975, *87*, 104–108; **1975**, *14*, 75–79

Chisholm*, M. H., Clark, D. L., Hampden-Smith, M. J.,

Hoffman, D. M.

Alkoxide Clusters of Molybdenum and Tungsten as Templates for Organometallic Chemistry: Comparison with Carbonyl Clusters of the Later Transition Elements
1989, *101*, 446–458; **1989**, *28*, 432–444

Hoffmann*, E. G., Stempfle, W., Schroth, G., Weimann, B., Ziegler, E., Brandt, J.

Use of a Computer in Nuclear Magnetic Resonance Spectroscopy
1972, *84*, 400–411; **1972**, *11*, 375–386

Schimmelschmidt*, K., **Hoffmann, H.**, Baier, E.

Polycondensation Dyes
1962, *74*, 975–977; **1963**, *2*, 30–31

Hoffmann*, H., Diehr, H. J.

Phosphonium Salt Formation of the Second Kind
1964, *76*, 944–953; **1964**, *3*, 737–746

Hoffmann*, H., Ebert, G.

Surfactants, Micelles and Fascinating Phenomena
1988, *100*, 933–944; **1988**, *27*, 902–912

Hoffmann*, H. M. R.

The Ene Reaction

1969, *81*, 597–618; **1969**, *8*, 556–577

Syntheses of Seven- and Five-Membered Rings from Allyl Cations
1973, *85*, 877–894; **1973**, *12*, 819–835

The Cycloaddition of Allyl Cations to 1,3-Dienes: General Method for the Synthesis of Seven-Membered Carbocycles
1984, *96*, 29–48; **1984**, *23*, 1–19

Hoffmann*, H. M. R., Rabe, J.

Synthesis and Biological Activity of α -Methylene- γ -butyrolactones
1985, *97*, 96–112; **1985**, *24*, 94–110

Hoffmann*, Martin

Entanglement of Thread Molecules and Its Influence on the Properties of Polymers
1977, *89*, 773–788; **1977**, *16*, 751–766

Seebach*, D., Sting, A. R., **Hoffmann, Matthias**

Self-Regeneration of Stereocenters (SRS)—Applications, Limitations, and Abandonment of a Synthetic Principle
1996, *108*, 2880–2921; **1996**, *35*, 2708–2748

Buschmann, H., Scharf*, H.-D., **Hoffmann, N.**, Esser, P.

The Isoinversion Principle—a General Model of Chemical Selectivity
1991, *103*, 480–518; **1991**, *30*, 477–515

Gillespie*, P., **Hoffmann, P.**, Klusacek, H., Marquarding, D., Pfohl, S., Ramirez, F., Tsois, E. A., Ugi, I.

Non-rigid Molecular Skeletons – Berry Pseudorotation and Turnstile Rotation
1971, *83*, 691–721; **1971**, *10*, 687–715

Woodward*, R. B., **Hoffmann, R.**

The Conservation of Orbital Symmetry
1969, *81*, 797–869; **1969**, *8*, 781–853

Hoffmann*, R.

Building Bridges between Inorganic and Organic Chemistry (Nobel Lecture)

1982, *94*, 725–739; **1982**, *21*, 711–724

How Chemistry and Physics Meet in the Solid State Chemistry

1987, *99*, 871–906; **1987**, *26*, 846–878

Under the Surface of the Chemical Article

1988, *100*, 1653–1663; **1988**, *27*, 1593–1602

Hoffmann*, R., Laszlo*, P.

Representation in Chemistry

1991, *103*, 1–16; **1991**, *30*, 1–16

Papoian, G. A., **Hoffmann*, R.**

Hypervalent Bonding in One, Two, and Three Dimensions: Extending the Zintl-Klemm Concept to Nonclassical Electron-Rich Networks

2000, *112*, 2500–2544; **2000**, *39*, 2408–2448

Grochala, W., **Hoffmann*, R.**

Real and Hypothetical Intermediate-Valence $\text{Ag}^{\text{II}}/\text{Ag}^{\text{III}}$ and $\text{Ag}^{\text{II}}/\text{Ag}^{\text{I}}$ Fluoride Systems as Potential Superconductors

2001, *113*, 2816–2859; **2001**, *40*, 2742–2781

Hoffmann*, R. W.

Reactions of Electron-Rich Olefins

1968, *80*, 823–835; **1968**, *7*, 754–765

Generation of Carbenes by Thermal Cycloelimination

1971, *83*, 595–603; **1971**, *10*, 529–537

Stereochemistry of [2,3]Sigmatropic Rearrangements

1979, *91*, 625–634; **1979**, *18*, 563–572

Diastereogenic Addition of Crotylmetal Compounds to Aldehydes

1982, *94*, 569–580; **1982**, *21*, 555–566

Stereoselective Syntheses of Building Blocks with Three Consecutive Stereogenic Centers: Important Precursors of Polyketide Natural Products

1987, *99*, 503–517; **1987**, *26*, 489–503

Flexible Molecules with Defined Shape—Conformational Design

1992, *104*, 1147–1157; **1992**, *31*, 1124–1134

Conformation Design of Open-Chain Compounds

2000, *112*, 2134–2150; **2000**, *39*, 2054–2070

Kindl, H., Scholda, R., **Hoffmann-Ostenhof*, O.**

The Biosynthesis of Cyclitols

1966, *78*, 198–206; **1966**, *5*, 165–173

Höfle, G., Steglich, W., Vorbrüggen*, H.

4-Dialkylaminopyridines as Highly Active Acylation Catalysts

1978, *90*, 602–615; **1978**, *17*, 569–583

Bredereck*, H., Effenberger, F., **Hofmann, A.**, Hajek, M.

Syntheses of *s*-Triazine and Substituted *s*-Triazines

1963, *75*, 825–830; **1963**, *2*, 655–659

Hübenett*, F., Flock, F. H., Hansel, W., Heinze, H., **Hofmann, H.**

Isothiazoles

1963, *75*, 1189–1193; **1963**, *2*, 714–719

Bier*, G., Messwarb, G., Nölken, E., Lederer, M., Eichhorn, W., **Hofmann, K.**

Neue Methode zur Polymerisation von Äthylen bei niedrigen Drücken

1962, *74*, 977–984; –

Hofmann*, U.

The Chemical Basis of Ancient Greek Vase Painting

1962, *74*, 397–406; **1962**, *1*, 341–350

On the Chemistry of Clay

1968, *80*, 736–747; **1968**, *7*, 681–692

Hofmeier*, H.

Eigenschaften von Folien aus Poly-[2,2-bis-(4-hydroxyphenyl)-propan-carbonat]

1962, *74*, 647–650; –

Gross*, H., **Höft, E.**

The Formation of C – C Bonds with the Aid of α -Halogeno Ethers, Sulfides, and Amines

1967, *79*, 358–378; **1967**, *6*, 335–355

Hol*, W. G. J.

Protein Crystallography and Computer Graphics—toward Rational Drug Design
1986, 98, 765–777; **1986**, 25, 767–778

Vogel*, W., Höland, W.

The Development of Bioglass Ceramics for Medical Applications
1987, 99, 541–558; **1987**, 26, 527–544

Hölderich*, W., Hesse, M., Näumann, F.

Zeolites: Catalysts for Organic Synthesis
1988, 100, 232–251; **1988**, 27, 226–246

Holler*, E.

Protein Biosynthesis: The Codon-Specific Activation of Amino Acids
1978, 90, 682–690; **1978**, 17, 648–656

Holley*, R. W.

Alanin-Transfer-RNA (Nobel Lecture)
1969, 81, 1039–1045; –

Holliday, B. J., Mirkin*, C. A.

Strategies for the Construction of Supramolecular Compounds through Coordination Chemistry
2001, 113, 2076–2097; **2001**, 40, 2022–2043

Holm*, R.

Imaging and Analysis of Surfaces with a Scanning Electron Microscope and Electron Spectrometer
1971, 83, 632–645; **1971**, 10, 591–604

Fitzky*, H. G., Wendisch, D., Holm, R.

Structure Determinations of Nitrogen Compounds with the Aid of NQR, NMR, and ESCA Spectroscopy
1972, 84, 1037–1048; **1972**, 11, 979–990

Noll*, W., Holm, R., Born, L.

Painting of Ancient Ceramics
1975, 87, 639–651; **1975**, 14, 602–613

Lee, S. C., Holm*, R. H.

Nonmolecular Metal Chalcogenide/Halide Solids and Their Molecular Cluster Analogues
1990, 102, 868–885; **1990**, 29, 840–856

Kraft, A., Grimsdale, A. C., Holmes*, A. B.

Electroluminescent Conjugated Polymers—Seeing Polymers in a New Light
1998, 110, 416–443; **1998**, 37, 402–428

Holmlin, R. E., Dandliker, P. J., Barton*, J. K.

Charge Transfer through the DNA Base Stack
1997, 109, 2830–2848; **1997**, 36, 2714–2730

Holtschmidt*, H., Oertel, G.

Isocyanates of Esters of Some Acids of Phosphorus and Silicon
1962, 74, 795–799; **1962**, 1, 617–621

Holtschmidt*, H.

High-Temperature Chlorination of Amines and Acylamines
1962, 74, 848–855; **1962**, 1, 632–639

Holtschmidt*, H., Degener, E., Schmelzer, H.-G., Tarnow, H., Zecher, W.

Preparation, Properties, and Reactions of Polychloroamine Derivatives
1968, 80, 942–953; **1968**, 7, 856–867

Holy*, N. L., Marcum, J. D.

Radical Anion Intermediates in Organic Chemistry
1971, 83, 132–142; **1971**, 10, 115–124

Holzer*, H., Boll, M., Cennamo, C.

The Biochemistry of Yeast Threonine Deaminase
1963, 75, 894–900; **1964**, 3, 101–107

Braslavsky, S. E., Holzwarth, A. R., Schaffner*, K.

Solution Conformations, Photophysics, and Photochemistry of Bile Pigments; Bilirubin and Biliverdin Dimethyl Esters and Related Linear Tetrapyrroles
1983, 95, 670–689; **1983**, 22, 656–674

Homann*, K.-H.

Soot Formation in Premixed Hydrocarbon Flames

1968, 80, 425–438; **1968**, 7, 414–427

Fullerenes and Soot Formation—New Pathways to Large Particles in Flames

1998, 110, 2572–2590; **1998**, 37, 2434–2451

Hartmann*, G. R., Behr, W., Beissner, K.-A., Honikel, K., Sippel, A.

Antibiotics as Inhibitors of Nucleic Acid and Protein Synthesis
1968, 80, 710–718; **1968**, 7, 693–701

Folkers*, K., Johansson, N.-G., Hooper, F., Currie, B.,

Sievertsson, H., Chang, J.-K., Bowers, C. Y.
Chemistry and Biosynthesis of the Hypothalamic Releasing and Inhibiting Neurohormones
1973, 85, 271–280; **1973**, 12, 255–264

Kleinschroth, J., Hopf*, H.

The Chemical Behavior of Multibridged [2_n]Cyclophanes
1982, 94, 485–496; **1982**, 21, 469–480

Hopf*, H.

The Dendralenes—A Neglected Group of Highly Unsaturated Hydrocarbons

1984, 96, 947–958; **1984**, 23, 948–960

Hopf*, H., Maas*, G.

Preparation and Properties, Reactions, and Applications of Radialenes

1992, 104, 953–977; **1992**, 31, 931–954

Höpfner*, A.

Vapor Pressure Isotope Effects
1969, 81, 770–780; **1969**, 8, 689–699

Hoppe*, D.

α -Metalated Isocyanides in Organic Synthesis

1974, 86, 878–893; **1974**, 13, 789–804

The Homoaldol Reaction, or How to Overcome Problems of Regio- and Stereoselectivity

1984, 96, 930–946; **1984**, 23, 932–948

Hoppe*, D., Hense, T.

Enantioselective Synthesis with Lithium/(–)-Sparteine Carbanion Pairs

1997, 109, 2376–2410; **1997**, 36, 2282–2316

Hoppe*, R.

Valence Compounds of the Inert Gases

1964, 76, 455–465; **1964**, 3, 538–545

Madelung Constants

1966, 78, 52–63; **1966**, 5, 95–106

The Coordination Number – An “Inorganic Chameleon”

1970, 82, 7–16; **1970**, 9, 25–34

On the Symbolic Language of the Chemist

1980, 92, 106–121; **1980**, 19, 110–125

Recent Progress in Oxo- and Fluorometalate Chemistry

1981, 93, 64–88; **1981**, 20, 63–87

Hoppe*, W.

Automation of X-Ray Structure Analysis

1965, 77, 484–492; **1965**, 4, 508–516

Automation of Structure Analysis

1966, 78, 289–302; **1966**, 5, 267–280 (511)

Electron Diffraction with the Transmission Electron Microscope as a Phase-Determining Diffractometer—From Spatial Frequency Filtering to the Three-Dimensional Structure Analysis of Ribosomes

1983, 95, 465–494; **1983**, 22, 456–485

Scherer*, O., Hörlein, G., Härtel, K.

Preparation of *N*-Alkoxyureas and Their Use as Selective Herbicides

1963, 75, 851–854; **1963**, 2, 670–673

Endres*, H., Hörmann, H.

Preparative and Analytical Separation of Organic Compounds by Means of Chromatography on Polyamide

1963, 75, 288–294; **1963**, 2, 254–260

Horn*, C. F., Freure, B. T., Vineyard, H., Decker, H. J.
Nylon 7, ein faserbildendes Polyamid
1962, 74, 531–534; –

Horn, D., Rieger*, J.
Organic Nanoparticles in the Aqueous Phase—Theory, Experiment, and Use
2001, 113, 4460–4492; **2001**, 40, 4330–4361

Horner*, L., Christmann, A.
Nitrenes
1963, 75, 707–716; **1963**, 2, 599–608

Hoss, R., Vögtle*, F.
Template Syntheses
1994, 106, 389–398; **1994**, 33, 375–384

Houk*, K. N., Li, Y., Evanseck, J. D.
Transition Structures of Hydrocarbon Pericyclic Reactions
1992, 104, 711–739; **1992**, 31, 682–708

Hoveyda*, A. H., Morken, J. P.
Enantioselective C–C and C–H Bond Formation Mediated or Catalyzed by Chiral ebthi Complexes of Titanium and Zirconium
1996, 108, 1378–1401; **1996**, 35, 1262–1284

Poliakoff*, M., **Howdle, S. M.**, Kazarian, S. G.
Vibrational Spectroscopy in Supercritical Fluids: From Analysis and Hydrogen Bonding to Polymers and Synthesis
1995, 107, 1409–1432; **1995**, 34, 1275–1295

Reiser*, A., Shih, H.-Y., Yeh, T.-F., **Huang, J.-P.**
Novolak-Diazoquinone Resists: The Imaging Systems of the Computer Chip
1996, 108, 2610–2622; **1996**, 35, 2428–2440

Walter, S., Nitschke, E., Bode, C., Becker*, E. W., **Hübener, R. P.**, Kessler, R. W., Schindewolf, U.
Enrichment of Heavy Water by High Pressure Exchange between Hydrogen and an Aqueous Catalyst Suspension
Chem.-Ing.-Tech. **1962**, 34, 7–10; **1962**, 1, 21–24

Hübenett*, F., Flock, F. H., Hansel, W., Heinze, H., Hofmann, H.
Isothiazoles
1963, 75, 1189–1193; **1963**, 2, 714–719

Kurreck*, H., **Huber, M.**
Model Reactions for Photosynthesis—Photoinduced Charge and Energy Transfer between Covalently Linked Porphyrin and Quinone Units
1995, 107, 929–947; **1995**, 34, 849–866

Herrmann*, W. A., **Huber, N. W.**, Runte, O.
Volatile Metal Alkoxides according to the Concept of Donor Functionalization
1995, 107, 2371–2390; **1995**, 34, 2187–2206

Huber*, R.
Flexibility and Rigidity of Proteins and Protein-Pigment Complexes
1988, 100, 79–89; **1988**, 27, 79–88
A Structural Basis of Light Energy and Electron Transfer in Biology (Nobel Lecture)
1989, 101, 849–871; **1989**, 28, 848–869

Hubert, P., Vitzthum*, O. G.
Fluid Extraction of Hops, Spices, and Tobacco with Supercritical Gases
1978, 90, 756–762; **1978**, 17, 710–715

Hucho*, F.
The Pyruvate Dehydrogenase Multienzyme Complex
1975, 87, 614–624; **1975**, 14, 591–601
Toxins as Tools in Neurochemistry
1995, 107, 23–36; **1995**, 34, 39–50

Hucho*, F., Weise, C.
Ligand-Gated Ion Channels
2001, 113, 3194–3211; **2001**, 40, 3100–3116

Hückel*, W., Hanack, M.
Eliminations in Cyclic *cis-trans*-Isomers
1967, 79, 555–565; **1967**, 6, 534–544

Hudson*, R. F., Green, M.
Stereochemistry of Displacement Reactions at Phosphorus Atoms
1963, 75, 47–56; **1963**, 2, 11–20

Hudson*, R. F.
Higher Coordination Numbers of the Typical Elements
1967, 79, 756–763; **1967**, 6, 749–756
The Perturbation Treatment of Chemical Reactivity
1973, 85, 63–84; **1973**, 12, 36–56

Huggins*, M. L.
50 Years of Hydrogen Bond Theory
1971, 83, 163–168; **1971**, 10, 147–152

Huisgen*, R.
1,3-Dipolar Cycloadditions, Past and Future
1963, 75, 604–637; **1963**, 2, 565–598
Kinetics and Mechanism of 1,3-Dipolar Cycloadditions
1963, 75, 742–754; **1963**, 2, 633–645

Huisgen*, R., Mietzsch, F.
The Valence Tautomerism of Cyclooctatetraene
1964, 76, 36–38; **1964**, 3, 83–85

Huisgen*, R.
Cycloadditions – Definition, Classification, and Characterization
1968, 80, 329–337; **1968**, 7, 321–328
Kinetic Evidence for Reactive Intermediates
1970, 82, 783–794; **1970**, 9, 751–762
Electrocyclic Ring Opening Reactions of Ethylene Oxides
1977, 89, 589–602; **1977**, 16, 572–585
1,5-Electrocyclizations—An Important Principle of Heterocyclic Chemistry
1980, 92, 979–1005; **1980**, 19, 947–973
Adolf von Baeyer's Scientific Achievements—a Legacy
1986, 98, 297–311; **1986**, 25, 297–311

Powell*, K. A., Ramer, S. W., del Cardayré, S. B., Stemmer, W. P. C., Tobin, M. B., Longchamp, P. F., **Huisman, G. W.**
Directed Evolution and Biocatalysis
2001, 113, 4068–4080; **2001**, 40, 3948–3959

Huisman*, H. O.
Approaches to Total Synthesis of Heterocyclic Steroidal Systems
1971, 83, 511–520; **1971**, 10, 450–459

Hulliger*, J.
Chemistry and Crystal Growth
1994, 106, 151–171; **1994**, 33, 143–162

Klostermeyer*, H., **Humbel, R. E.**
The Chemistry and Biochemistry of Insulin
1966, 78, 871–886; **1966**, 5, 807–822

Hummel*, D. O.
Emulsion Polymerization of Vinyl Monomers under the Influence of Ionizing Radiation
1963, 75, 330–343; **1963**, 2, 295–308

Potter, R. C., Schneider, C., **Hummel*, D. O.**, Ryska, M.
Trends in Radiation Polymerization
1968, 80, 921–932; **1968**, 7, 845–856

Hund*, F.
Mixed-Phase Pigments with Rutile Structures
1962, 74, 23–27; **1962**, 1, 41–45
Early History of the Quantum Mechanical Treatment of the Chemical Bond
1977, 89, 89–94; **1977**, 16, 87–91
Inorganic Pigments: Bases for Colored, Uncolored, and Transparent Products
1981, 93, 763–771; **1981**, 20, 723–730

Noller*, H., Andréu, P., **Hunger, Manfred**
The Mechanism of Contact Elimination
1971, 83, 185–194; **1971**, 10, 172–181

Hunger*, Michael, Weitkamp*, J.
In situ IR, NMR, EPR, and UV/Vis Spectroscopy: Tools for New Insight into the Mechanisms of Heterogeneous Catalysis
2001, *113*, 3040–3059; **2001**, *40*, 2954–2971

Hünig*, S., Balli, H., Breiter, E., Brühne, F., Geiger, H., Grigat, E., Müller, F., Quast, H.
Heterocyclic Azo Dyes by Oxidative Coupling
1962, *74*, 818–824; **1962**, *1*, 640–646

Hünig*, S.
The Modes of Reaction of Ambident Cations
1964, *76*, 400–412; **1964**, *3*, 548–560

Hünig*, S., Müller, H. R., Thier, W.
The Chemistry of Diimine
1965, *77*, 368–377; **1965**, *4*, 271–280

Hünig*, S., Brenninger, W., Geiger, H., Kaupp, G., Kniese, W., Lampe, W., Quast, H., Rauschenbach, R. D., Schütz, A.
Sulfonyl Hydrazones of Cyclic Amides and Quaternary Azo Sulfones of Heterocycles as Reagents in Azo Chemistry
1968, *80*, 343–352; **1968**, *7*, 335–344

Deuchert, K., **Hünig*, S.**
Multistage Organic Redox Systems—A General Structural Principle
1978, *90*, 927–938; **1978**, *17*, 875–886

Hünig*, S., Schaller, R.
The Chemistry of Acyl Cyanides
1982, *94*, 1–15; **1982**, *21*, 36–49

Kennard*, O., **Hunter, W. N.**
Single-Crystal X-Ray Diffraction Studies of Oligonucleotides and Oligonucleotide–Drug Complexes
1991, *103*, 1280–1304; **1991**, *30*, 1254–1277

Hüsing*, N., Schubert*, U.
Aerogels—Airy Materials: Chemistry, Structure, and Properties
1998, *110*, 22–47; **1998**, *37*, 22–45

Clark*, V. M., **Hutchinson, D. W.**, Kirby, A. J., Warren, S. G.
The Design of Phosphorylating Agents
1964, *76*, 704–712; **1964**, *3*, 678–685

Collman*, J. P., Wagenknecht, P. S., **Hutchison, J. E.**
Molecular Catalysts for Multielectron Redox Reactions of Small Molecules: The “Cofacial Metallodiporphyrin” Approach
1994, *106*, 1620–1639; **1994**, *33*, 1537–1554

Fetzner*, S., Tshisuaka, B., Lingens, F., Kappl, R., **Hüttermann, J.**
Bacterial Degradation of Quinoline and Derivatives—Pathways and Their Biocatalysts
1998, *110*, 596–617; **1998**, *37*, 576–597

Huttner*, G., Knoll, K.
RP-Bridged Metal Carbonyl Clusters: Synthesis, Properties, and Reactions
1987, *99*, 765–783; **1987**, *26*, 743–760

Huxley*, A. F.
Die quantitative Analyse der Nervenregung und Nervenleitung (Nobel Lecture)
1964, *76*, 668–673; –



Wong*, C.-H., Halcomb, R. L., **Ichikawa, Y.**, Kajimoto, T.
Enzymes in Organic Synthesis: Application to the Problems of Carbohydrate Recognition (Part 1)
1995, *107*, 453–474; **1995**, *34*, 412–432
Enzymes in Organic Synthesis: Application to the Problems of Carbohydrate Recognition (Part 2)
1995, *107*, 569–593; **1995**, *34*, 521–546

Iddon, B., Meth-Cohn, O., Scriven, E. F. V., Suschitzky*, H., Gallagher, P. T.
Developments in Arylnitrene Chemistry: Syntheses and Mechanisms
1979, *91*, 965–982; **1979**, *18*, 900–917

Ignarro*, L. J.
Nitric Oxide: A Unique Endogenous Signaling Molecule in Vascular Biology (Nobel Lecture)
1999, *111*, 2002–2013; **1999**, *38*, 1882–1892

Ihara*, M., Fukumoto*, K.
Syntheses of Polycyclic Natural Products Employing the Intramolecular Double Michael Reaction
1993, *105*, 1059–1071; **1993**, *32*, 1010–1022

Ihlenfeldt, W.-D., Gasteiger*, J.
Computer-Assisted Planning of Organic Syntheses: The Second Generation of Programs
1995, *107*, 2807–2829; **1995**, *34*, 2613–2633

Schlögl*, R., **Indlekofer, G.**, Oelhafen, P.
Emission of Microparticles from Automotive Sources—X-Ray Photoelectron Spectroscopy in Environmental Analysis
1987, *99*, 312–322; **1987**, *26*, 309–319

Cahn*, R. S., **Ingold, C.**, Prelog, V.
Specification of Molecular Chirality
1966, *78*, 413–447; **1966**, *5*, 385–415 (511)

Ebert*, K. H., Ederer, H. J., **Isbarn, G.**
Computer Simulation of the Kinetics of Complicated Gas Phase Reactions
1980, *92*, 331–342; **1980**, *19*, 333–343

Ise*, N.
Ordering of Ionic Solutes in Dilute Solutions through Attraction of Similarly Charged Solutes—A Change of Paradigm in Colloid and Polymer Chemistry
1986, *98*, 323–334; **1986**, *25*, 323–344

Izumi*, Y., Chibata, I., **Itoh, T.**
Production and Utilization of Amino Acids
1978, *90*, 187–194; **1978**, *17*, 176–183

Shemyakin*, M. M., Ovchinnikov, Yu. A., **Ivanov, V. T.**
Topochemical Investigations on Peptide Systems
1969, *81*, 523–529; **1969**, *8*, 492–499

Ivin*, K. J.
Thermodynamics of Addition Polymerization Processes
1973, *85*, 533–541; **1973**, *12*, 487–494

Izumi*, Y.
Methods of Asymmetric Synthesis – Enantioselective Catalytic Hydrogenation
1971, *83*, 956–966; **1971**, *10*, 871–881

Izumi*, Y., Chibata, I., Itoh, T.
Production and Utilization of Amino Acids
1978, *90*, 187–194; **1978**, *17*, 176–183



Jacob*, F.
Genetik der Bakterienzelle (Nobel Lecture)
1966, *78*, 704–713; –

Andersson*, S., Lidin, S., **Jacob, M.**, Terasaki, O.
On the Quasicrystalline State
1991, *103*, 771–775; **1991**, *30*, 754–758

Dislich*, H., **Jacobsen, A.**
Light Guide Systems for the Ultraviolet Region of the Spectrum
1973, *85*, 468–473; **1973**, *12*, 439–444

- Jacquemain, D.**, Wolf, S. G., Leveiller, F., Deutsch, M., Kjaer*, K., Als-Nielsen*, J., Lahav*, M., Leiserowitz*, L.
Two-Dimensional Crystallography of Amphiphilic Molecules at the Air–Water Interface
1992, *104*, 134–158; **1992**, *31*, 130–152
- Jaenicke*, L.**, Boland, W.
Signal Substances and Their Reception in the Sexual Cycle of Marine Brown Algae
1982, *94*, 659–670; **1982**, *21*, 643–653
- Koerner von Gustorf*, E. A., **Jaenicke, O.**, Wolfbeis, O., Eady, C. R.
The Laser-Evaporation of Metals and Its Application to Organo-metallic Synthesis
1975, *87*, 300–309; **1975**, *14*, 278–286
- Jaenicke*, R.**
Protein Folding and Protein Association
1984, *96*, 385–402; **1984**, *23*, 395–413
- Jäger, R.**, Vögtle*, F.
A New Synthetic Strategy towards Molecules with Mechanical Bonds: Nonionic Template Synthesis of Amide-Linked Catenanes and Rotaxanes
1997, *109*, 966–980; **1997**, *36*, 930–944
- Jahr*, K. F.**, Fuchs, J.
New Methods and Results in the Study of Polyacids
1966, *78*, 725–735; **1966**, *5*, 689–699
- Berth, P., **Jakobi, G.**, Schmadel, E., Schwuger, M. J., Krauch*, C. H.
The Replacement of Phosphates in Detergents – Possibilities and Limits
1975, *87*, 115–123; **1975**, *14*, 94–102
- Jakubke*, H.-D.**, Kuhl, P., Könnecke, A.
Basic Principles of Protease-Catalyzed Peptide Bond Formation
1985, *97*, 79–87; **1985**, *24*, 85–93
- Schellenberger, V., **Jakubke*, H.-D.**
Protease-Catalyzed Kinetically Controlled Peptide Syntheses
1991, *103*, 1440–1452; **1991**, *30*, 1437–1449
- James, T. D.**, Sandanayake, K. R. A. S., Shinkai*, S.
Saccharide Sensing with Molecular Receptors Based on Boronic Acid
1996, *108*, 2038–2050; **1996**, *35*, 1910–1922
- Jandeleit*, B.**, Schaefer*, D. J., Powers, T. S., Turner, H. W., Weinberg, W. H.
Combinatorial Materials Science and Catalysis
1999, *111*, 2648–2689; **1999**, *38*, 2494–2532
- Sinn*, H., Kaminsky, W., **Janning, J.**
Processing of Plastic Waste and Scrap Tires into Chemical Raw Materials, Especially by Pyrolysis
1976, *88*, 737–750; **1976**, *15*, 660–672
- Viehe*, H. G., **Janousek, Z.**
The Chemistry of Dichloromethylenammonium Salts (“Phosgenimonium Salts”)
1973, *85*, 837–849; **1973**, *12*, 806–818
- Viehe*, H. G., Merényi, R., Stella, L., **Janousek, Z.**
Capto-dative Substituent Effects in Syntheses with Radicals and Radicophiles
1979, *91*, 982–997; **1979**, *18*, 917–932
- Conrad, O., **Jansen, C.**, Krebs*, B.
Boron–Sulfur and Boron–Selenium Compounds—From Unique Molecular Structural Principles to Novel Polymeric Materials
1998, *110*, 3396–3407; **1998**, *37*, 3208–3218
- Jansen*, L.**, Block, R.
The Pauli Principle and Chemical Bonding in Molecules and Solids
1977, *89*, 317–323; **1977**, *16*, 294–299
- Jansen*, M.**
Homoatomic d¹⁰–d¹⁰ Interactions: Their Effects on Structure and Chemical and Physical Properties
1987, *99*, 1136–1149; **1987**, *26*, 1098–1110
Volume Effect or Paddle-Wheel Mechanism—Fast Alkali-Metal Ionic Conduction in Solids with Rotationally Disordered Complex Anions
1991, *103*, 1574–1586; **1991**, *30*, 1547–1558
- Schön, J. C., **Jansen*, M.**
First Step Towards Planning of Syntheses in Solid-State Chemistry: Determination of Promising Structure Candidates by Global Optimization
1996, *108*, 1358–1377; **1996**, *35*, 1286–1304
- Baldus, H.-P., **Jansen*, M.**
Novel High-Performance Ceramics—Amorphous Inorganic Networks from Molecular Precursors
1997, *109*, 338–354; **1997**, *36*, 328–343
- Janshoff, A.**, Neitzert, M., Oberdörfer, Y., Fuchs*, H.
Force Spectroscopy of Molecular Systems—Single Molecule Spectroscopy of Polymers and Biomolecules
2000, *112*, 3346–3374; **2000**, *39*, 3212–3237
- Janshoff, A.**, Galla, H.-J., Steinem*, C.
Piezoelectric Mass-Sensing Devices as Biosensors—An Alternative to Optical Biosensors?
2000, *112*, 4164–4195; **2000**, *39*, 4004–4032
- Arlt*, D., **Jautelat, M.**, Lantzsch, R.
Synthesis of Pyrethroid Acids
1981, *93*, 719–738; **1981**, *20*, 703–722
- Jayaraman*, A.**
Valence Changes at High Pressure in Systems Containing Lanthanoids
1980, *92*, 626–631; **1980**, *19*, 587–593
- Jenner*, G.**
High Pressure Kinetic Investigations in Organic and Macromolecular Chemistry
1975, *87*, 186–194; **1975**, *14*, 137–143
- Bestian*, H., Clauss, K., **Jensen, H.**, Prinz, E.
Low-Temperature Polymerization of Ethylene
1962, *74*, 955–965; **1963**, *2*, 32–41
- Clauss*, K., **Jensen, H.**
Oxathiazinone Dioxides – A New Group of Sweetening Agents
1973, *85*, 965–973; **1973**, *12*, 869–876
- Jensen*, J. H. D.**
Zur Geschichte der Theorie des Atomkerns (Nobel Lecture)
1964, *76*, 69–75; –
- Mayer*, R., Hiller, G., Nitzschke, M., **Jentzsch, J.**
Base-Catalysed Reactions of Ketones with Hydrogen Sulfide
1963, *75*, 1011–1014; **1963**, *2*, 370–373
- Jentzsch*, W.**
What Does the Chemical Industry Expect from Physical and Industrial Chemistry?
1990, *102*, 1267–1273; **1990**, *29*, 1228–1234
- Jerne*, N. K.**
The Generative Grammar of the Immune System (Nobel Lecture)
1985, *97*, 813–818; **1985**, *24*, 810–816
- Binnewies*, M., **Jerzembeck, M.**, Kornick, A.
Chemical Reactions in the Manufacture of Waveguides for Long Distance Optical Data Transmission
1991, *103*, 762–770; **1991**, *30*, 745–753
- Jesson*, J. P.**
The Chlorofluorocarbon/Ozone Theory—A Scientific Status Report
1977, *89*, 507–513; **1977**, *16*, 513–519
- Smidt*, J., Hafner, W., **Jira, R.**, Sieber, R., Sedlmeier, J., Sabel, A.
The Oxidation of Olefins with Palladium Chloride Catalysts
1962, *74*, 93–102; **1962**, *1*, 80–88

Jöchle*, W.

Biology and Biochemistry of Reproduction and Contraception
1962, 74, 667–679; **1962**, 1, 537–549

Ugi*, I., Bauer, J., Brandt, J., Friedrich, J., Gasteiger, J.,
Jochum, C., Schubert, W.
 New Applications of Computers in Chemistry
1979, 91, 99–111; **1979**, 18, 111–123

Jochum, C., Gasteiger, J., Ugi*, I.
 The Principle of Minimum Chemical Distance (PMCD)
1980, 92, 503–513; **1980**, 19, 495–505

Folkers*, K., **Johansson, N.-G.**, Hooper, F., Currie, B.,
 Sievertsson, H., Chang, J.-K., Bowers, C. Y.
 Chemistry and Biosynthesis of the Hypothalamic Releasing and
 Inhibiting Neurohormones
1973, 85, 271–280; **1973**, 12, 255–264

Bock*, H., Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F.,
 Arad, C., Göbel, I., **John, A.**, Meuret, J., Nick, S.,
 Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B.
 Distorted Molecules: Perturbation Design, Preparation and
 Structures
1992, 104, 564–595; **1992**, 31, 550–581

Katritzky*, A. R., **Johnson, C. D.**
 Electrophilic Substitution of Heteroaromatic Compounds with
 Six-Membered Rings
1967, 79, 629–636; **1967**, 6, 608–615

Boger*, D. L., **Johnson, D. S.**
 CC-1065 and the Duocarmycins: Understanding their Biological
 Function through Mechanistic Studies
1996, 108, 1542–1580; **1996**, 35, 1438–1474

Johnson*, W. S.
 Biomimetic Polyene Cyclizations
1976, 88, 33–41; **1976**, 15, 9–17

Wright*, J. C., Tallant, D. R., Gustafson, F. J., **Johnston, M. V.**,
 Miller, M. P., Moore, D. S., Porter, L. C., Akse, J. R.
 Applications of SEPIL to the Solid State Defect Chemistry of
 Fluorites and Ultra-Trace Inorganic Analysis
1979, 91, 765–780; **1979**, 18, 738–752

Bážant*, V., **Joklík, J.**, Rathouský, J.
 Direct Synthesis of Organohalogenosilanes
1968, 80, 133–140; **1968**, 7, 112–120

Jollès*, P.
 Recent Developments in the Study of Lysozymes
1964, 76, 20–28; **1964**, 3, 28–36
 Progress in the Chemistry of Casein
1966, 78, 629–637; **1966**, 5, 558–566
 Lysozymes: A Chapter of Molecular Biology
1969, 81, 244–256; **1969**, 8, 227–239

Jolly*, P. W.
 η^3 -Allylpalladium Compounds
1985, 97, 279–291; **1985**, 24, 283–295

Fischer, K., **Jonas, K.**, Misbach, P., Stabba, R., Wilke*, G.
 The “Nickel Effect”
1973, 85, 1002–1012; **1973**, 12, 943–953

Jonas*, K., Krüger, C.
 Alkali Metal-Transition Metal π -Complexes
1980, 92, 513–531; **1980**, 19, 520–537

Jonas*, K.
 Reactive Organometallic Compounds Obtained from Metallo-
 cenes and Related Compounds and Their Synthetic Applications
1985, 97, 292–307; **1985**, 24, 295–311

Cowley*, A. H., **Jones*, R. A.**
 Single-Source III/V Precursors: A New Approach to Gallium
 Arsenide and Related Semiconductors
1989, 101, 1235–1243; **1989**, 28, 1208–1215

Jones*, R. A. Y., Katritzky, A. R.
 Phosphorus Nuclear Magnetic Resonance Spectroscopy
1962, 74, 60–68; **1962**, 1, 32–41

Jones*, R. O.
 Molecular Structures from Density Functional Calculations with
 Simulated Annealing
1991, 103, 647–657; **1991**, 30, 630–640

Jonker*, G. H.
 Zur Entwicklung elektrotechnischer Werkstoffe
1964, 76, 175–183; –

Jørgensen*, C. K.
 The Loose Connection between Electron Configuration and the
 Chemical Behavior of the Heavy Elements (Transuranics)
1973, 85, 1–10; **1973**, 12, 12–19

Jørgensen*, K. A.
 Catalytic Asymmetric Hetero-Diels–Alder Reactions of Carbonyl
 Compounds and Imines
2000, 112, 3702–3733; **2000**, 39, 3558–3588

Jost*, W., Just, T.
 Fast Gas Reactions in Shock Waves and Detonations
1962, 74, 919–941; **1963**, 2, 189–210

Jost*, W.
 Fundamental Aspects of Diffusion Processes
1964, 76, 473–483; **1964**, 3, 713–722

Müller*, A., **Jostes, R.**, Cotton, F. A.
 Trinuclear Clusters of the Early Transition Elements
1980, 92, 921–929; **1980**, 19, 875–882

Müller*, A., Diemann, E., **Jostes, R.**, Bögge, H.
 Transition Metal Thiometalates: Properties and Their Significance
 in Complex and Bioinorganic Chemistry
1981, 93, 957–977; **1981**, 20, 934–955

Jucker*, E.
 Some New Developments in the Chemistry of Psychotherapeutic
 Agents
1963, 75, 524–538; **1963**, 2, 493–507

Calderon*, N., Ofstead, E. A., **Judy, W. A.**
 Mechanistic Aspects of Olefin Metathesis
1976, 88, 433–442; **1976**, 15, 401–409

Breitmaier*, E., **Jung, G.**, Voelter, W.
 Pulse Fourier Transform ^{13}C NMR spectroscopy, Principles, and
 Applications
1971, 83, 659–672; **1971**, 10, 673–686

Jung*, G.
 Lantibiotics—Ribosomally Synthesized Biologically Active Poly-
 peptides containing Sulfide Bridges and α,β -Didehydroamino
 Acids
1991, 103, 1067–1084; **1991**, 30, 1051–1068

Jung*, G., Beck-Sickinger, A. G.
 Multiple Peptide Synthesis Methods and Their Applications
1992, 104, 375–391; **1992**, 31, 367–383

Früchtel, J. S., **Jung*, G.**
 Organic Chemistry on Solid Supports
1996, 108, 19–46; **1996**, 35, 17–42

Bröll*, D., Kaul, C., Krämer, A., Krammer, P., Richter, T.,
Jung, M., Vogel*, H., Zehner, P.
 Chemistry in Supercritical Water
1999, 111, 3180–3196; **1999**, 38, 2998–3014

Truscheit*, E., Frommer, W., **Junge, B.**, Müller, L.,
 Schmidt, D. D., Wingender, W.
 Chemistry and Biochemistry of Microbial α -Glucosidase Inhibitors
1981, 93, 738–755; **1981**, 20, 744–761

Bock, B., Flatau, K., **Junge, H.**, Kuhr, M., Musso*, H.
 Bond Character of β -Diketone Metal Chelates
1971, 83, 239–249; **1971**, 10, 225–235

Decker*, K., **Jungermann, K.**, Thauer, R. K.

Energy Production in Anaerobic Organisms

1970, 82, 153–173; **1970**, 9, 138–158

Jost*, W., **Just, T.**

Fast Gas Reactions in Shock Waves and Detonations

1962, 74, 919–941; **1963**, 2, 189–210

Jüstel*, T., Nikol*, H., Ronda*, C.

New Developments in the Field of Luminescent Materials for Lighting and Displays

1998, 110, 3250–3271; **1998**, 37, 3084–3103

Jutzi*, P.

New Element-Carbon (p-p) π Bonds

1975, 87, 269–283; **1975**, 14, 232–245

Juza*, R.

Amides of the Alkali and Alkaline Earth Metal Amides

1964, 76, 290–300; **1964**, 3, 471–481

Juza*, R., Seidel, H., Tiedemann, J.

Color Centers in Alkali Borate Glasses Containing Cobalt, Nickel, or Copper

1966, 78, 41–51; **1966**, 5, 85–94

Juza*, R., Langer, K., von Benda, K.

Ternary Nitrides, Phosphides, and Arsenides of Lithium

1968, 80, 373–384; **1968**, 7, 360–370



Kabbe*, H.-J., Widdig, A.

Synthesis and Reactions of 4-Chromanones

1982, 94, 254–262; **1982**, 21, 247–256

Kadenbach*, B.

Structure and Evolution of the “Atmungsferment” Cytochrom c Oxidase

1983, 95, 273–281; **1983**, 22, 275–283

Girard, C., **Kagan*, H. B.**

Nonlinear Effects in Asymmetric Synthesis and Stereoselective Reactions: Ten Years of Investigation

1998, 110, 3088–3127; **1998**, 37, 2922–2959

Kahlweit*, M., Strey, R.

Phase Behavior of Ternary Systems of the Type H₂O–Oil–Nonionic Amphiphile (Microemulsions)

1985, 97, 655–669; **1985**, 24, 654–668

Kahn*, O.

Dinuclear Complexes with Predictable Magnetic Properties

1985, 97, 837–853; **1985**, 24, 834–850

Schönbeck*, R., König, H., Krzemicki, K., **Kahofer, L.**

Acrylonitrile from Propylene, Ammonia, and Atmospheric Oxygen

Chem.-Ing.-Tech. **1966**, 38, 701–705; **1966**, 5, 642–646

Kahr*, B., McBride*, J. M.

Optically Anomalous Crystals

1992, 104, 1–28; **1992**, 31, 1–26

Kaim*, W.

The Versatile Chemistry of 1,4-Diazines: Organic, Inorganic and Biochemical Aspects

1983, 95, 201–221; **1983**, 22, 171–190

Kaim*, W., Rall, J.

Copper—A “Modern” Bioelement

1996, 108, 47–64; **1996**, 35, 43–60

Kaiser*, E. T.

Catalytic Activity of Enzymes Altered at Their Active Sites

1988, 100, 945–955; **1988**, 27, 913–922

Kaiser*, R.

“Bicaruret of Hydrogen”. Reappraisal of the Discovery of Benzene in 1825 with the Analytical Methods of 1968

1968, 80, 337–343; **1968**, 7, 345–350

Wong*, C.-H., Halcomb, R. L., Ichikawa, Y., **Kajimoto, T.**

Enzymes in Organic Synthesis: Application to the Problems of Carbohydrate Recognition (Part 1)

1995, 107, 453–474; **1995**, 34, 412–432

Enzymes in Organic Synthesis: Application to the Problems of Carbohydrate Recognition (Part 2)

1995, 107, 569–593; **1995**, 34, 521–546

Ohnacker*, G., **Kalbfleisch, W.**

CCBF – A system for the Computer Processing of Chemical and Biological Facts

1970, 82, 628–633; **1970**, 9, 605–610

Kalbhen*, D. A.

Nutmeg as a Narcotic

1971, 83, 379–396; **1971**, 10, 370–374

Heusler*, K., **Kalvoda, J.**

Intramolecular Free-Radical Reactions

1964, 76, 518–531; **1964**, 3, 525–538

Aldinger*, F., **Kalz, H.-J.**

The Importance of Chemistry in the Development of High-Performance Ceramics

1987, 99, 381–391; **1987**, 26, 371–381

Oosterom, G. E., Reek*, J. N. H., **Kamer, P. C. J.**,

van Leeuwen*, P. W. N. M.

Transition Metal Catalysis Using Functionalized Dendrimers

2001, 113, 1878–1901; **2001**, 40, 1828–1849

Sinn*, H., **Kaminsky, W.**, Janning, J.

Processing of Plastic Waste and Scrap Tires into Chemical Raw Materials, Especially by Pyrolysis

1976, 88, 737–750; **1976**, 15, 660–672

Kanaoka*, Y.

Organic Fluorescence Reagents in the Study of Enzymes and Proteins

1977, 89, 142–152; **1977**, 16, 137–147

Gleisberg, D., **Kandler*, J.**, Ulrich, H., Hartz, P.

Eutrophication and Wastewater Purification

1976, 88, 354–365; **1976**, 15, 354–365

Kotzyba-Hibert, F., **Kapfer, I.**, Goeldner*, M.

Recent Trends in Photoaffinity Labeling

1995, 107, 1391–1408; **1995**, 34, 1296–1312

Kappe*, T., Ziegler, E.

Carbon Suboxide in Preparative Organic Chemistry

1974, 86, 529–542; **1974**, 13, 491–504

Fetzner*, S., Tshisuaka, B., Lings, F., **Kappl, R.**, Hüttermann, J.

Bacterial Degradation of Quinoline and Derivatives—Pathways and Their Biocatalysts

1998, 110, 596–617; **1998**, 37, 576–597

Turro*, N. J., Kleinman, M. H., **Karatekin, E.**

Electron Spin Polarization and Time-Resolved Electron Paramagnetic Resonance: Applications to the Paradigms of Molecular and Supramolecular Photochemistry

2000, 112, 4608–4634; **2000**, 39, 4436–4461

Harris*, K. D. M., Tremayne, M., **Kariuki, B. M.**

Contemporary Advances in the Use of Powder X-Ray Diffraction for Structure Determination

2001, 113, 1674–1700; **2001**, 40, 1626–1651

Karle*, J.

Recovering Phase Information from Intensity Data (Nobel Lecture)

1986, 98, 611–626; **1986**, 25, 614–629

Karlson*, P.

Chemistry and Biochemistry of Insect Hormones

1963, 75, 257–265; **1963**, 2, 175–182

Karpf*, M.

Organic Synthesis at High Temperatures. Gas-Phase Flow Thermolysis
1986, 98, 413–429; **1986**, 25, 414–430

Dobson*, C. M., Šali, A., Karplus*, M.

Protein Folding: A Perspective from Theory and Experiment
1998, 110, 908–935; **1998**, 37, 868–893

Taylor, S. V., Kast, P., Hilvert*, D.

Investigating and Engineering Enzymes by Genetic Selection
2001, 113, 3408–3436; **2001**, 40, 3310–3335

Kastning*, E.-G., Naarmann, H., Reis, H., Berding, C.

Metal Chelates as Polymerization Initiators
1965, 77, 313–318; **1965**, 4, 322–327

Jones*, R. A. Y., Katritzky, A. R.

Phosphorus Nuclear Magnetic Resonance Spectroscopy
1962, 74, 60–68; **1962**, 1, 32–41

Katritzky*, A. R., Johnson, C. D.

Electrophilic Substitution of Heteroaromatic Compounds with Six-Membered Rings
1967, 79, 629–636; **1967**, 6, 608–615

Katritzky*, A. R., Topsom, R. D.

Distortions of the π -Electron System in Substituted Benzenes
1970, 82, 106–120; **1970**, 9, 87–100

Dennis, N., Katritzky*, A. R., Takeuchi, Y.

Synthetic Applications of Heteroaromatic Betaines with Six-Membered Rings
1976, 88, 41–49; **1976**, 15, 1–9

Katritzky*, A. R., Patel, R. C., Riddell, F. G.

N-Methyl Inversion Barriers in Six-Membered Rings
1981, 93, 567–575; **1981**, 20, 521–529

Katritzky*, A. R., Marson, C. M.

Pyrylium-Mediated Transformations of Primary Amine Groups into Other Functional Groups
1984, 96, 403–413; **1984**, 23, 420–429

Ager*, D. J., Pantaleone, D. P., Henderson, S. A., Katritzky, A. R., Prakash, I., Walters, D. E.

Commercial, Synthetic Nonnutritive Sweeteners
1998, 110, 1900–1916; **1998**, 37, 1802–1817

Katz*, B.

Über die Freisetzung des Überträgerstoffs aus den Nerven in Form von Quanten (Nobel Lecture)
1971, 83, 818–821; –

Willner*, I., Katz, E.

Integration of Layered Redox Proteins and Conductive Supports for Bioelectronic Applications
2000, 112, 1230–1269; **2000**, 39, 1180–1218

Kauffmann*, T.

Reactions of Sodium Hydrazide with Organic Compounds
1964, 76, 206–217; **1964**, 3, 342–353
 The Hetarynes
1965, 77, 557–571; **1965**, 4, 543–557

Kauffmann*, T., Wirthwein, R.

Progress in the Hetaryne Field
1971, 83, 21–34; **1971**, 10, 20–33

Kauffmann*, T.

Oxidative Coupling *via* Organocopper Compounds
1974, 86, 321–335; **1974**, 13, 291–305
 1,3-Anionic Cycloadditions of Organolithium Compounds: An Initial Survey
1974, 86, 715–727; **1974**, 13, 627–639
 From the Principle of Arene-Analogy to Heterocyclopolyaromatic Compounds
1979, 91, 1–19; **1979**, 18, 1–19
 New Possible Applications of Heavy Main-Group Elements in Organic Synthesis
1982, 94, 401–420; **1982**, 21, 410–429

Nonstabilized Alkyl Complexes and Alkyl-Cyano-Ate Complexes of Iron(II) and Cobalt(II) as New Reagents in Organic Synthesis
1996, 108, 401–418; **1996**, 35, 386–403

Novel Reactions of Organomolybdenum and Organotungsten Compounds: Additive–Reductive Carbonyl Dimerization, Spontaneous Transformation of Methyl Ligands into μ -Methylene Ligands, and Selective Carbonylmethylenation
1997, 109, 1312–1329; **1997**, 36, 1258–1275

Bröll*, D., Kaul, C., Krämer, A., Krammer, P., Richter, T., Jung, M., Vogel*, H., Zehner, P.

Chemistry in Supercritical Water
1999, 111, 3180–3196; **1999**, 38, 2998–3014

Hünig*, S., Brenninger, W., Geiger, H., Kaupp, G., Kniese, W., Lampe, W., Quast, H., Rauschenbach, R. D., Schütz, A.
 Sulfonyl Hydrazones of Cyclic Amides and Quaternary Azo Sulfones of Heterocycles as Reagents in Azo Chemistry
1968, 80, 343–352; **1968**, 7, 335–344

Kaupp*, G.

Photochemical Rearrangements and Fragmentations of Alkenes and Polyenes
1978, 90, 161–179; **1978**, 17, 150–168
 Photochemical Rearrangements and Fragmentations of Benzene Derivatives and Annulated Arenes
1980, 92, 245–276; **1980**, 19, 243–275

Kaupp*, M.

“Non-VSEPR” Structures and Bonding in d^0 Systems
2001, 113, 3642–3677; **2001**, 40, 3534–3565

Poliakoff*, M., Howdle, S. M., Kazarian, S. G.

Vibrational Spectroscopy in Supercritical Fluids: From Analysis and Hydrogen Bonding to Polymers and Synthesis
1995, 107, 1409–1432; **1995**, 34, 1275–1295

Dieterich*, D., Keberle, W., Witt, H.

Polyurethane Ionomers, a New Class of Block Polymers
1970, 82, 53–63; **1970**, 9, 40–50

Lambert*, J. B., Nienhuis, R. J., Keepers, J. W.

The Kinetics of Intramolecular Reactions from Relaxation Time Measurements
1981, 93, 553–566; **1981**, 20, 487–500

Eschenmoser*, A., Yamada, Y., Miljkovic, D., Wehrli, P., Golding, B., Löliger, P., Keese, R., Müller, K.

A New Type of Corrin Synthesis
1969, 81, 301–306; **1969**, 8, 343–348

Keese*, R.

Methods for the Preparation of Bridgehead Olefins
1975, 87, 568–578; **1975**, 14, 528–538

Keiderling*, W., Wetzel, H. P.

Problems of Iron Metabolism with Special Reference to Biochemical, Physiological, and Clinical Aspects
1966, 78, 664–672; **1966**, 5, 633–641

Wilke*, G., Bogdanović, B., Hardt, P., Heimbach, P., Keim, W., Kröner, M., Oberkirch, W., Tanaka, K., Steinrücke, E., Walter, D., Zimmermann, H.

Allyl-Transition Metal Systems
1966, 78, 157–172; **1966**, 5, 151–164

Keim*, W.

Nickel: An Element with Wide Application in Industrial Homogeneous Catalysis
1990, 102, 251–260; **1990**, 29, 235–244

Wasserscheid*, P., Keim, W.

Ionic Liquids—New “Solutions” for Transition Metal Catalysis
2000, 112, 3926–3945; **2000**, 39, 3772–3789

Menger*, F. M., Keiper, J. S.

Gemini Surfactants
2000, 112, 1980–1996; **2000**, 39, 1906–1920

- Bader*, R. F. W., Popelier, P. L. A., **Keith, T. A.**
Theoretical Definition of a Functional Group and the Molecular Orbital Paradigm
1994, *106*, 647–659; **1994**, *33*, 620–631
- Keller*, C.**
Synthesis of Transcurium Elements by Nuclear Reactions with Heavy Ions
1965, *77*, 981–993; **1965**, *4*, 903–914
The Chemistry of Protactinium
1966, *78*, 85–98; **1966**, *5*, 23–35
- Schwarzhans*, K. E., **Keller, H. J.**
Magnetic Resonance of Paramagnetic Complexes
1970, *82*, 227–236; **1970**, *9*, 196–205
- Kellogg*, R. M.**
Chiral Macrocycles as Reagents and Catalysts
1984, *96*, 769–781; **1984**, *23*, 782–794
- le Noble*, W. J., **Kelm, H.**
Chemistry in Compressed Solutions
1980, *92*, 887–904; **1980**, *19*, 841–856
- Kempe*, R.**
Highlights in the Renaissance of Amidometal Chemistry
2000, *112*, 478–504; **2000**, *39*, 468–493
- Kendrew*, J. C.**
Myoglobin und die Struktur der Proteine (Nobel Lecture)
1963, *75*, 595–603; –
- Kennard*, O.**, Hunter, W. N.
Single-Crystal X-Ray Diffraction Studies of Oligonucleotides and Oligonucleotide–Drug Complexes
1991, *103*, 1280–1304; **1991**, *30*, 1254–1277
- Yamazaki, T., Benedetti, E., **Kent, D.**, Goodman*, M.
Conformational Requirements for Sweet-Tasting Peptides and Peptidomimetics
1994, *106*, 1502–1517; **1994**, *33*, 1437–1451
- Fluck*, E., **Kerler, W.**, Neuwirth, W.
The Mössbauer Effect and its Significance in Chemistry
1963, *75*, 461–472; **1963**, *2*, 277–287
- Kessler*, H.**
Detection of Hindered Rotation and Inversion by NMR Spectroscopy
1970, *82*, 237–253; **1970**, *9*, 219–235
- Binsch*, G., **Kessler, H.**
The Kinetic and Mechanistic Evaluation of NMR Spectra
1980, *92*, 445–463; **1980**, *19*, 411–428
- Kessler*, H.**
Conformation and Biological Activity of Cyclic Peptides
1982, *94*, 509–520; **1982**, *21*, 512–523
- Kessler*, H.**, Gehrke, M., Griesinger, C.
Two-Dimensional NMR spectroscopy: Background and Overview of the Experiments
1988, *100*, 507–554; **1988**, *27*, 490–536
- Eberstadt, M., Gemmecker, G., Mierke, D. F., **Kessler*, H.**
Scalar Coupling Constants—Their Analysis and Their Application for the Elucidation of Structures
1995, *107*, 1813–1838; **1995**, *34*, 1671–1695
- Haubner, R., Finsinger, D., **Kessler*, H.**
Stereoisomeric Peptide Libraries and Peptidomimetics for Designing Selective Inhibitors of the $\alpha_v\beta_3$ Integrin for a New Cancer Therapy
1997, *109*, 1440–1456; **1997**, *36*, 1374–1389
- Walter, S., Nitschke, E., Bode, C., Becker*, E. W., Hübener, R. P., **Kessler, R. W.**, Schindewolf, U.
Enrichment of Heavy Water by High Pressure Exchange between Hydrogen and an Aqueous Catalyst Suspension
Chem.-Ing.-Tech. **1962**, *34*, 7–10; **1962**, *1*, 21–24
- Schaumann*, E., **Ketcham, R.**
[2 + 2]-Cycloreversions
1982, *94*, 231–253; **1982**, *21*, 225–247
- Specker*, H., **Kettrup, A.**
Classification of Partition Reactions of Inorganic Cations
1969, *81*, 888–895; **1969**, *8*, 853–860
- Sharma, R. K., **Kharasch*, N.**
The Photolysis of Iodoaromatic Compounds
1968, *80*, 69–77; **1968**, *7*, 36–44
- Khorana*, H. G.**
Nucleinsäure-Synthese als Werkzeug für das Studium des genetischen Codes (Nobel Lecture)
1969, *81*, 1027–1039; –
- Agarwal, K. L., Yamazaki, A., Cashion, P. J., **Khorana*, H. G.**
Chemical Synthesis of Polynucleotides
1972, *84*, 489–498; **1972**, *11*, 451–459
- Kieffer*, R.**, Ettmayer, P.
Principles and Latest Developments in the Field of Metallic and Nonmetallic Hard Materials
Chem.-Ing.-Tech. **1970**, *42*, 589–599; **1970**, *9*, 926–936
- Kienitz*, H.**
Modern Analysis
1969, *81*, 723–741; **1969**, *8*, 733–750
- Müller*, R., **Kieslich, K.**
Technology of the Microbiological Preparation of Organic Substances
Chem.-Ing.-Tech. **1966**, *38*, 813–825; **1966**, *5*, 653–662
- Yamada*, K., Ojika, M., **Kigoshi, H.**
Isolation, Chemistry, and Biochemistry of Ptaquiloside, a Bracken Carcinogen
1998, *110*, 1918–1926; **1998**, *37*, 1818–1826
- Kindl, H.**, Scholda, R., Hoffmann-Ostenhof*, O.
The Biosynthesis of Cyclitols
1966, *78*, 198–206; **1966**, *5*, 165–173
- Clark*, V. M., Hutchinson, D. W., **Kirby, A. J.**, Warren, S. G.
The Design of Phosphorylating Agents
1964, *76*, 704–712; **1964**, *3*, 678–685
- Kirby*, A. J.**
Enzyme Mechanisms, Models, and Mimics
1996, *108*, 770–790; **1996**, *35*, 706–724
- Kirmse*, W.**
Intermediates of α -Eliminations
1965, *77*, 1–10; **1965**, *4*, 1–10
Nitrogen as Leaving Group: Aliphatic Diazonium Ions
1976, *88*, 273–283; **1976**, *15*, 251–261
Alkenylidenes in Organic Synthesis
1997, *109*, 1212–1218; **1997**, *36*, 1164–1170
- Kirsch*, P.**, Bremer*, M.
Nematic Liquid Crystals for Active Matrix Displays: Molecular Design and Synthesis
2000, *112*, 4384–4405; **2000**, *39*, 4216–4235
- Kirschning*, A.**, Monenschein, H., Wittenberg, R.
Functionalized Polymers—Emerging Versatile Tools for Solution-Phase Chemistry and Automated Parallel Synthesis
2001, *113*, 670–701; **2001**, *40*, 650–679
- Kurreck*, H., **Kirste, B.**, Lubitz, W.
ENDOR Spectroscopy—A Promising Technique for Investigating the Structure of Organic Radicals
1984, *96*, 171–193; **1984**, *23*, 173–194
- Goto*, T., **Kishi, Y.**
Luciferins, Bioluminescent Substances
1968, *80*, 417–424; **1968**, *7*, 407–414
- Saenger*, W., Orth, P., **Kisker, C.**, Hillen, W., Hinrichs, W.
The Tetracycline Repressor—A Paradigm for a Biological Switch
2000, *112*, 2122–2133; **2000**, *39*, 2042–2052

Noyori*, R., **Kitamura, M.**

Enantioselective Addition of Organometallic Reagents to Carbonyl Compounds: Chirality Transfer, Multiplication, and Amplification

1991, *103*, 34–55; **1991**, *30*, 49–69

Jacquemain, D., Wolf, S. G., Leveiller, F., Deutsch, M., **Kjaer*, K.**, Als-Nielsen*, J., Lahav*, M., Leiserowitz*, L.

Two-Dimensional Crystallography of Amphiphilic Molecules at the Air–Water Interface

1992, *104*, 134–158; **1992**, *31*, 130–152

Klabunde*, K. J.

Reactions of Metal Atoms with Fluorocarbons

1975, *87*, 309–314; **1975**, *14*, 287–292

Sträter, N., Lipscomb*, W. N., **Klabunde, T.**, Krebs*, B.

Two-Metal Ion Catalysis in Enzymatic Acyl- and Phosphoryl-Transfer Reactions

1996, *108*, 2158–2190; **1996**, *35*, 2024–2055

Tornieporth-Oetting*, I. C., **Klapötke*, T. M.**

Covalent Inorganic Azides

1995, *107*, 559–568; **1995**, *34*, 511–520

Fasold*, H., **Klappenberger, J.**, Meyer, C., Rembold, H.

Bifunctional Reagents for the Crosslinking of Proteins

1971, *83*, 875–882; **1971**, *10*, 795–801

Kläui*, W.

The Coordination Chemistry and Organometallic Chemistry of Tridentate Oxygen Ligands with π -Donor Properties

1990, *102*, 661–670; **1990**, *29*, 627–637

Kühle*, E., **Klauke, E.**, Grewe, F.

Fluordichlormethylthio-Verbindungen und ihre Verwendung im Pflanzenschutz

1964, *76*, 807–816; –

Kühle*, E., Anders, B., **Klauke, E.**, Tarnow, H., Zumach, G.

Reactions of Isocyanide Dihalides and Their Derivatives

1969, *81*, 18–32; **1969**, *8*, 20–34

Kühle*, E., **Klauke, E.**

Fluorinated Isocyanates and Their Derivatives as Intermediates for Biologically Active Compounds

1977, *89*, 797–804; **1977**, *16*, 735–742

Moser, R., **Klauser, S.**, Leist, T., Langen, H., Epprecht, T., Gutte*, B.

Applications of Synthetic Peptides

1985, *97*, 737–745; **1985**, *24*, 719–727

Kleb*, K. G., Siegel, E., Sasse, K.

New Reactive Dyes

1964, *76*, 423–431; **1964**, *3*, 408–416

Böhm*, H.-J., **Klebe*, G.**

What Can We Learn from Molecular Recognition in Protein–Ligand Complexes for the Design of New Drugs?

1996, *108*, 2750–2778; **1996**, *35*, 2588–2614

Drauz, K., **Kleemann, A.**, Martens*, J.

Induction of Asymmetry by Amino Acids

1982, *94*, 590–613; **1982**, *21*, 584–608

Klein*, H.-F.

Trimethylphosphane Complexes of Nickel, Cobalt, and Iron—Model Compounds for Homogeneous Catalysis

1980, *92*, 362–375; **1980**, *19*, 362–375

Helmreich*, E. J. M., **Klein, H. W.**

The Role of Pyridoxal Phosphate in the Catalysis of Glycogen Phosphorylases

1980, *92*, 429–444; **1980**, *19*, 441–455

Frühbeis*, H., **Klein, R.**, Wallmeier, H.

Computer-Assisted Molecular Design (CAMD)—an Overview

1987, *99*, 413–428; **1987**, *26*, 403–418

Glemser*, O., Schröder, J., **Kleine-Weischede, K.**, Meyer, B.,

Peuschel, G., Flügel, R., Velde, D.

Preparation of Carbon Tetrachloride from Phosgene

1963, *75*, 823–825; **1963**, *2*, 613–615

Kleiner*, D. C.

Fixation of Atmospheric Nitrogen by Microorganisms

1975, *87*, 97–103; **1975**, *14*, 80–86

Staendeke*, H., **Kleiner, H.-J.**

Methylchlorophosphanes and Their Reaction Products

1973, *85*, 973–978; **1973**, *12*, 877–881

Weissermel*, K., **Kleiner, H.-J.**, Finke, M., Felcht, U.-H.

Advances in Organophosphorus Chemistry Based on Dichloro-(methyl)phosphane

1981, *93*, 256–266; **1981**, *20*, 223–233

Kleiner*, K., Wolfrum*, J.

Laser Chemistry—What is Its Current Status?

1987, *99*, 38–58; **1987**, *26*, 38–58

Turro*, N. J., **Kleinman, M. H.**, Karatekin, E.

Electron Spin Polarization and Time-Resolved Electron Paramagnetic Resonance: Applications to the Paradigms of Molecular and Supramolecular Photochemistry

2000, *112*, 4608–4634; **2000**, *39*, 4436–4461

Deschler*, U., **Kleinschmit, P.**, Panster, P.

3-Chloropropyltrialkoxysilanes—Key Intermediates for the Commercial Production of Organofunctionalized Silanes and Polysiloxanes

1986, *98*, 237–253; **1986**, *25*, 236–252

Kleinschroth, J., Hopf*, H.

The Chemical Behavior of Multibridged [2_n]Cyclophanes

1982, *94*, 485–496; **1982**, *21*, 469–480

Klemm*, W., Niermann, H.

Further Contributions to the Knowledge of Semimetals

1963, *75*, 508–515; **1963**, *2*, 523–530

Klemperer*, W. G.

¹⁷O-NMR Spectroscopy as a Structural Probe

1978, *90*, 258–271; **1978**, *17*, 246–254

Klempner*, D.

Interpenetrating Polymer Networks

1978, *90*, 104–113; **1978**, *17*, 97–106

Klesper*, E.

Chromatography with Supercritical Fluids

1978, *90*, 785–793; **1978**, *17*, 738–746

Klessinger*, M.

Polarity of covalent bonds

1970, *82*, 534–547; **1970**, *9*, 500–512

Klessinger*, M., Rademacher, P.

Conformational Analysis by Photoelectron Spectroscopy

1979, *91*, 885–896; **1979**, *18*, 826–837

Klingenberg*, M.

Reversibility of Energy Transformations in the Respiratory Chain

1963, *75*, 900–907; **1964**, *3*, 54–61

Fyfe, C. A., Thomas*, J. M., **Klinowski, J.**, Gobbi, G. C.

Magic-Angle-Spinning NMR (MAS-NMR) Spectroscopy and the Structure of Zeolites

1983, *95*, 257–273; **1983**, *22*, 259–275

Götte*, H., **Kloss, G.**

Nuclear Medicine and Radiochemistry

1973, *85*, 793–802; **1973**, *12*, 712–721

Klostermeyer*, H., Humbel, R. E.

The Chemistry and Biochemistry of Insulin

1966, *78*, 871–886; **1966**, *5*, 807–822

Klug*, A.

From Macromolecules to Biological Assemblies (Nobel Lecture)

1983, *95*, 579–596; **1983**, *22*, 565–582

- Ugi *, I., Gokel, G., Gillespie, P., **Klusacek, H.**, Marquarding, D.
Chemistry and Logical Structures
1970, 82, 741–771; **1970**, 9, 703–730
- Gillespie *, P., Hoffmann, P., **Klusacek, H.**, Marquarding, D.,
Pfohl, S., Ramirez, F., Tsois, E. A., Ugi, I.
Non-rigid Molecular Skeletons – Berry Pseudorotation and Turn-
stile Rotation
1971, 83, 691–721; **1971**, 10, 687–715
- Draber, W., **Kluth, J. F.**, Tietjen, K., Trebst *, A.
Herbicides in Photosynthesis Research
1991, 103, 1650–1663; **1991**, 30, 1621–1633
- Knackmuss *, H.-J.**
Chemistry and Biochemistry of Azaquinones
1973, 85, 163–169; **1973**, 12, 139–145
- Gottschalk *, Gerhard, **Knackmuss, H.-J.**
Bacteria and the Biodegradation of Chemicals Achieved Naturally,
by Combination, or by Construction
1993, 105, 1437–1448; **1993**, 32, 1398–1408
- Ugi *, I., Bauer, J., Bley, K., Dengler, A., Dietz, A., Fontain, E.,
Gruber, B., Herges, R., **Knauer, M.**, Reitsam, K., Stein, N.
Computer-Assisted Solution of Chemical Problems—The Histor-
ical Development and the Present State of the Art of a New
Discipline of Chemistry
1993, 105, 210–239; **1993**, 32, 201–227
- Kniep *, R.**
Orthophosphates in the Ternary System $\text{Al}_2\text{O}_3\text{--P}_2\text{O}_5\text{--H}_2\text{O}$
1986, 98, 520–529; **1986**, 25, 525–534
- Hünig *, S., Brenninger, W., Geiger, H., Kaupp, G., **Kniese, W.**,
Lampe, W., Quast, H., Rauschenbach, R. D., Schütz, A.
Sulfonyl Hydrazones of Cyclic Amides and Quaternary Azo
Sulfones of Heterocycles as Reagents in Azo Chemistry
1968, 80, 343–352; **1968**, 7, 335–344
- Boudier, A., Bromm, L. O., Lotz, M., **Knochel *, P.**
New Applications of Polyfunctional Organometallic Compounds
in Organic Synthesis
2000, 112, 4584–4606; **2000**, 39, 4414–4435
- Knof, U.**, von Zelewsky *, A.
Predetermined Chirality at Metal Centers
1999, 111, 312–333; **1999**, 38, 302–322
- Appel *, R., **Knoll, F.**, Ruppert, I.
Phospha-alkenes and Phospha-alkynes, Genesis and Properties of
the (p-p) π -Multiple Bond
1981, 93, 771–784; **1981**, 20, 731–744
- Huttner *, G., **Knoll, K.**
RP-Bridged Metal Carbonyl Clusters: Synthesis, Properties, and
Reactions
1987, 99, 765–783; **1987**, 26, 743–760
- Albery, W. J., **Knowles *, J. R.**
Efficiency and Evolution of Enzyme Catalysis
1977, 89, 295–304; **1977**, 16, 285–293
- Knözinger *, E.**
Far-Infrared Fourier Spectroscopy as a Method for Structure
Determination in Chemistry
1976, 88, 1–16; **1976**, 15, 25–39
- Knözinger *, H.**
Dehydration of Alcohols on Aluminum Oxide
1968, 80, 778–792; **1968**, 7, 791–805
- Lamb, H. H., Gates, B. C., **Knözinger *, H.**
Molecular Organometallic Chemistry on Surfaces: Reactivity of
Metal Carbonyls on Metal Oxides
1988, 100, 1162–1180; **1988**, 27, 1127–1144
- Gambaryan, N. P., Rokhlin, E. M., Zeifman, Yu. V.,
Ching-Yun, C., **Knunyants *, I. L.**
Reactions of the Carbonyl Group in Fluorinated Ketones
1966, 78, 1008–1017; **1966**, 5, 947–956
- German, L. S., **Knunyants *, I. L.**
Conjugated Additions in Hydrogen Fluoride
1969, 81, 321–328; **1969**, 8, 349–356
- Knunyants *, I. L.**, Sokolski, G. A.
Fluorinated β -Sultones
1972, 84, 623–635; **1972**, 11, 583–595
- Ugi *, I., Fetzner, U., Eholzer, U., **Knupfer, H.**, Offermann, K.
Isonitrile Syntheses
1965, 77, 492–504; **1965**, 4, 472–484
- Shokat, K. M., **Ko, M. K.**, Scanlan, T. S., Kochersperger, L.,
Yonkovich, S., Thaisrivongs, S., Schultz *, P. G.
Catalytic Antibodies: A New Class of Transition-State Analogues
Used to Elicit Hydrolytic Antibodies
1990, 102, 1339–1346; **1990**, 29, 1296–1303
- Weigert *, W. M., **Koberstein, E.**
Detoxification of Automotive Exhaust Gases with Multifunctional
Catalysts
1976, 88, 657–663; **1976**, 15, 586–592
- Köbrich *, G.**
Electrophilic Substitutions at Saturated Carbon Atoms
1962, 74, 453–465; **1962**, 1, 382–393
Eliminations from Olefins
1965, 77, 75–94; **1965**, 4, 49–68
Chemistry of Stable α -Halogenoorganolithium Compounds and
the Mechanism of Carbenoid Reactions
1967, 79, 15–27; **1967**, 6, 41–52
The Chemistry of Carbenoids and Other Thermolabile Organo-
lithium Compounds
1972, 84, 557–570; **1972**, 11, 473–485
Bredt Compounds and the Bredt Rule
1973, 85, 494–503; **1973**, 12, 464–473
- Koch *, E.**
The Differential Calorimetric Study of the Reactivity of Unstable
Compounds
1970, 82, 306–319; **1970**, 9, 288–300
Mechanistic Analysis of Solution Reactions by Non-Isothermal
Calorimetry
1973, 85, 381–390; **1973**, 12, 381–389
Linear Control of Temperature with Time—A New Approach to
Reaction Kinetics
1983, 95, 185–201; **1983**, 22, 225–240
- Koch *, W.**
Mikroanalytische Untersuchungen des Gefüges von Legierungen
1963, 75, 241–246; –
- Herrmann *, W. A., **Köcher, C.**
N-Heterocyclic Carbenes
1997, 109, 2256–2282; **1997**, 36, 2162–2187
- Shokat, K. M., Ko, M. K., Scanlan, T. S., **Kochersperger, L.**,
Yonkovich, S., Thaisrivongs, S., Schultz *, P. G.
Catalytic Antibodies: A New Class of Transition-State Analogues
Used to Elicit Hydrolytic Antibodies
1990, 102, 1339–1346; **1990**, 29, 1296–1303
- Kochi *, J. K.**
Electron Transfer and Charge Transfer: Twin Themes in Unifying
the Mechanisms of Organic and Organometallic Reactions
1988, 100, 1331–1372; **1988**, 27, 1227–1266
- Koerner von Gustorf *, E. A.**, Jaenicke, O., Wolfbeis, O.,
Eady, C. R.
The Laser-Evaporation of Metals and Its Application to Organo-
metallic Synthesis
1975, 87, 300–309; **1975**, 14, 278–286
- Köhler *, G.**
Derivation and Diversification of Monoclonal Antibodies (Nobel
Lecture)
1985, 97, 829–836; **1985**, 24, 827–833

- Köhler*, J.**, Svensson*, G., Simon*, A.
Oxoniobates Containing Metal Clusters
1992, *104*, 1463–1483; **1992**, *31*, 1437–1456
- Herrmann*, W. A., **Kohlpaintner*, C. W.**
Water-Soluble Ligands, Metal Complexes, and Catalysts: Synergism of Homogeneous and Heterogeneous Catalysis
1993, *105*, 1588–1609; **1993**, *32*, 1524–1544
- Kohlschütter*, H. W.**
Relationships between the Chemistry of Dispersed Metals and Chemical Syntheses with Metal Atoms
1975, *87*, 213–215; **1975**, *14*, 193–195
- Engelhardt*, H., Beck, W., **Kohr, J.**, Schmitt, T.
Capillary Electrophoresis: Methods and Scope
1993, *105*, 659–680; **1993**, *32*, 629–649
- Kolb*, D. M.**
Electrochemical Surface Science
2001, *113*, 1198–1220; **2001**, *40*, 1162–1181
- Kolb, H. C.**, Finn, M. G., Sharpless*, K. B.
Click Chemistry: Diverse Chemical Function from a Few Good Reactions
2001, *113*, 2056–2075; **2001**, *40*, 2004–2021
- Kolla*, P.**
The Application of Analytical Methods to the Detection of Hidden Explosives and Explosive Devices
1997, *109*, 828–839 (1437); **1997**, *36*, 800–811 (1371)
- Hartmann*, G. R., Heinrich, P., **Kollenda, M. C.**, Skrobranek, B., Tropschug, M., Weiss, W.
Molecular Mechanism of Action of the Antibiotic Rifampicin
1985, *97*, 1011–1017; **1985**, *24*, 1009–1014
- Giannis*, A., **Kolter, T.**
Peptidomimetics for Receptor Ligands—Discovery, Development, and Medical Perspectives
1993, *105*, 1303–1326; **1993**, *32*, 1244–1267
- Kolter*, T.**, Sandhoff*, K.
Sphingolipids—Their Metabolic Pathways and the Pathobiology of Neurodegenerative Diseases
1999, *111*, 1632–1670; **1999**, *38*, 1532–1568
- Kompa*, K. L.**
Chemical Lasers
Chem.-Ing.-Tech. **1970**, *42*, 573–579; **1970**, *9*, 773–780
Laser Photochemistry at Surfaces—Laser-Induced Chemical Vapor Deposition and Related Phenomena
1988, *100*, 1287–1299; **1988**, *27*, 1314–1325
- Goto, T., **Kondo*, T.**
Structure and Molecular Stacking of Anthocyanins—Flower Color Variation
1991, *103*, 17–33; **1991**, *30*, 17–33
- Hafner*, K., Häfner, K. H., **König, C.**, Kreuder, M., Ploss, G., Schulz, G., Sturm, E., Vöpel, K. H.
Fulvenes as Isomers of Benzenoid Compounds
1963, *75*, 35–46; **1963**, *2*, 123–134
- Schönbeck*, R., **König, H.**, Krzemicki, K., Kahof, L.
Acrylonitrile from Propylene, Ammonia, and Atmospheric Oxygen
Chem.-Ing.-Tech. **1966**, *38*, 701–705; **1966**, *5*, 642–646
- König*, H.**
Pharmaceutical Chemistry Today—Changes, Problems, and Opportunities
1980, *92*, 802–815; **1980**, *19*, 749–761
- König*, K.-H.**, Pommer, E.-H., Sanne, W.
N-Substituted Tetrahydro-1,4-oxazines – A New Class of Fungicidal Compounds
1965, *77*, 327–333; **1965**, *4*, 336–341
- Hamprecht*, G., **König, K.-H.**, Stubenrauch, G.
Alkylsulfamoyl Chlorides as Key Units in the Synthesis of Novel Biologically Active Compounds for Crop Protection
1981, *93*, 151–163; **1981**, *20*, 151–164
- Weyand*, F., Prox, A., Schmidhammer, L., **König, W.**
Gas-Chromatographic Investigation of Racemization during Peptide Synthesis
1963, *75*, 282–287; **1963**, *2*, 183–188
- Jakubke*, H.-D., Kuhl, P., **Könnecke, A.**
Basic Principles of Protease-Catalyzed Peptide Bond Formation
1985, *97*, 79–87; **1985**, *24*, 85–93
- Wieland*, T., Lüben, G., Ottenheim, H., Faesel, J., de Vries, J. X., **Konz, W.**, Prox, A., Schmid, J.
The Discovery, Isolation, Elucidation of Structure, and Synthesis of Antamanide
1968, *80*, 209–213; **1968**, *7*, 204–208
- Kool*, E. T.**, Morales, J. C., Guckian, K. M.
Mimicking the Structure and Function of DNA: Insights into DNA Stability and Replication
2000, *112*, 1046–1068; **2000**, *39*, 990–1009
- Merkx, M., **Kopp, D. A.**, Sazinsky, M. H., Blazyk, J. L., Müller, Jens, Lippard*, S. J.
Dioxygen Activation and Methane Hydroxylation by Soluble Methane Monooxygenase: A Tale of Two Irons and Three Proteins
2001, *113*, 2860–2888; **2001**, *40*, 2782–2807
- Bönnemann*, H., Grard, C., **Kopp, W.**, Pump, W., Tanaka, K., Wilke, G.
The Allylcobalt System
1973, *85*, 1024–1035; **1973**, *12*, 964–974
- Köppel, H.**, Cederbaum*, L. S., Domcke, W., Shaik, S.
Symmetry Breaking and Non-Born-Oppenheimer Effects in Radical Cations
1983, *95*, 221–236; **1983**, *22*, 210–224
- Mikami*, K., Terada, M., **Korenaga, T.**, Matsumoto, Y., Ueki, M., Angelaud, R.
Asymmetric Activation
2000, *112*, 3676–3701; **2000**, *39*, 3532–3556
- Kornberg*, H. L.**
Anaplerotic Sequences in Microbial Metabolism
1965, *77*, 601–609; **1965**, *4*, 558–565
- Kornblum*, N.**
Substitution Reactions Which Proceed *via* Radical Anion Intermediates
1975, *87*, 797–808; **1975**, *14*, 734–745
- Binnewies*, M., Jerzembeck, M., **Kornick, A.**
Chemical Reactions in the Manufacture of Waveguides for Long Distance Optical Data Transmission
1991, *103*, 762–770; **1991**, *30*, 745–753
- Kortüm*, G.**, Braun, W., Herzog, G.
Principles and Techniques of Diffuse-Reflectance Spectroscopy
1963, *75*, 653–661; **1963**, *2*, 333–341
- Koshland*, D. E., Jr.**
The Key—Lock Theory and the Induced Fit Theory
1994, *106*, 2468–2472; **1994**, *33*, 2375–2378
- Köster*, R.**
Transformations of Organoboranes at Elevated Temperatures
1963, *75*, 1079–1090; **1964**, *3*, 174–185
- Köster*, R.**, Grassberger, M. A.
Structures and Syntheses of Carboranes
1967, *79*, 197–219; **1967**, *6*, 218–240
- Kotzyba-Hibert, F.**, Kapfer, I., Goeldner*, M.
Recent Trends in Photoaffinity Labeling
1995, *107*, 1391–1408; **1995**, *34*, 1296–1312
- Koutecký*, J.**
Quantum Chemistry of the Crystal Surface
1964, *76*, 365–375; **1964**, *3*, 496–506

- Bonačić-Koutecký*, V., **Koutecký*, J.**, Michl*, J.
Neutral and Charged Biradicals, Zwitterions, Funnels in S_1 , and Proton Translocation: Their Role in Photochemistry, Photophysics, and Vision
1987, 99, 216–236; **1987**, 26, 170–189
- Prelog*, V., **Kovačević, M.**, Egli, M.
Lipophilic Tartaric Acid Esters as Enantioselective Ionophores
1989, 101, 1173–1178; **1989**, 28, 1147–1152
- Krabetz*, R.**, Peters, C.
The Function of the Promoters in the Technical Ammonia Catalyst
1965, 77, 333–339; **1965**, 4, 341–347
- Krafft*, F.**
Phosphorus. From Elemental Light to Chemical Element
1969, 81, 634–645; **1969**, 8, 660–671
Lise Meitner: Her Life and Times—On the Centenary of the Great Scientist's Birth
1978, 90, 876–892; **1978**, 17, 826–842
- Kraft, A.**, Grimsdale, A. C., Holmes*, A. B.
Electroluminescent Conjugated Polymers—Seeing Polymers in a New Light
1998, 110, 416–443; **1998**, 37, 402–428
- Kraft*, P.**, Bajgrowicz, J. A., Denis, C., Fráter, G.
Odds and Trends: Recent Developments in the Chemistry of Odorants
2000, 112, 3106–3138; **2000**, 39, 2980–3010
- Müller*, A., **Krahn, E.**
On the Synthesis of the FeMo Cofactor of Nitrogenase: Gene-Controlled in Nature versus Laboratory-Produced by Man
1995, 107, 1172–1179; **1995**, 34, 1071–1078
- Bröll*, D., Kaul, C., **Krämer, A.**, Krammer, P., Richter, T., Jung, M., Vogel*, H., Zehner, P.
Chemistry in Supercritical Water
1999, 111, 3180–3196; **1999**, 38, 2998–3014
- Bröll*, D., Kaul, C., Krämer, A., **Krammer, P.**, Richter, T., Jung, M., Vogel*, H., Zehner, P.
Chemistry in Supercritical Water
1999, 111, 3180–3196; **1999**, 38, 2998–3014
- Krampitz*, G.**, Graser, G.
Molecular Mechanisms of Biomineralization in the Formation of Calcified Shells
1988, 100, 1181–1193; **1988**, 27, 1145–1156
- Berth, P., Jakobi, G., Schmadel, E., Schwuger, M. J., **Krauch*, C. H.**
The Replacement of Phosphates in Detergents – Possibilities and Limits
1975, 87, 115–123; **1975**, 14, 94–102
- Muetterties*, E. L., **Krause, M. J.**
Catalysis by Molecular Metal Clusters
1983, 95, 135–148; **1983**, 22, 135–148
- Krause*, N.**, Gerold, A.
Regio- and Stereoselective Syntheses with Organocopper Reagents
1997, 109, 194–213; **1997**, 36, 186–204
- Schirmer*, R. H., Müller, J. G., **Krauth-Siegel, R. L.**
Disulfide-Reductase Inhibitors as Chemotherapeutic Agents: The Design of Drugs for Trypanosomiasis and Malaria
1995, 107, 153–166; **1995**, 34, 141–154
- Krebs*, A. W.**
Cyclopropenyl Compounds and Cyclopropenones
1965, 77, 10–22; **1965**, 4, 10–22
- Krebs*, B.**
Thio- and Seleno-Compounds of Main Group Elements—Novel Inorganic Oligomers and Polymers
1983, 95, 113–134; **1983**, 22, 113–134
- Krebs*, B.**, Henkel*, G.
Transition-Metal Thiolates: From Molecular Fragments of Sulfidic Solids to Models for Active Centers in Biomolecules
1991, 103, 785–804; **1991**, 30, 769–788
- Sträter, N., Lipscomb*, W. N., Klabunde, T., **Krebs*, B.**
Two-Metal Ion Catalysis in Enzymatic Acyl- and Phosphoryl-Transfer Reactions
1996, 108, 2158–2190; **1996**, 35, 2024–2055
- Conrad, O., Jansen, C., **Krebs*, B.**
Boron–Sulfur and Boron–Selenium Compounds—From Unique Molecular Structural Principles to Novel Polymeric Materials
1998, 110, 3396–3407; **1998**, 37, 3208–3218
- Krebs*, E. G.**
Protein Phosphorylation and Cellular Regulation I (Nobel Lecture)
1993, 105, 1173–1180; **1993**, 32, 1122–1129
- Krebs*, H.**
The Structure of Glasses
1966, 78, 577–587; **1966**, 5, 544–554
- Kresze*, G.**, Maschke, A., Albrecht, R., Bederke, K., Patzschke, H. P., Smalla, H., Trede, A.
Organic *N*-Sulfinyl Compounds
1962, 74, 135–144; **1962**, 1, 89–98
- Kresze*, G.**, Wucherpfennig, W.
Organic Syntheses with Imides of Sulfur Dioxide
1967, 79, 109–127; **1967**, 6, 149–167
- Kresze*, G.**
Present-Day Communication in Chemistry – Problems and Possibilities
1970, 82, 563–568; **1970**, 9, 545–550
- Ruch*, E., Runge, W., **Kresze, G.**
Semiempirical Use of Chirality Functions for the Description of the Optical Activity of Allene Derivatives in the Transparent Region
1973, 85, 10–15; **1973**, 12, 20–25
- Hafner*, K., Häfner, K. H., König, C., **Kreuder, M.**, Ploss, G., Schulz, G., Sturm, E., Vöpel, K. H.
Fulvenes as Isomers of Benzenoid Compounds
1963, 75, 35–46; **1963**, 2, 123–134
- Kreutz*, W.**
Structural Principles of Biomembranes
1972, 84, 597–614; **1972**, 11, 551–567
- Wiberg*, E., Stecher, O., Andrascheck, H. J., **Kreuzbichler, L.**, Staude, E.
Recent Developments in the Chemistry of Metal Silyls of the Type $M(SiR_3)_n$
1963, 75, 516–524; **1963**, 2, 507–515
- Talsky*, G., Mayring, L., **Kreuzer, H.**
High-Resolution Higher-Order UV/VIS Derivative Spectrophotometry
1978, 90, 840–854; **1978**, 17, 785–799
- Schnell*, H., **Krimm, H.**
Formation and Cleavage of Dihydroxydiarylmethane Derivatives
1963, 75, 662–668; **1963**, 2, 373–379
- Krischer*, K.**, Mazouz, N., Grauel, P.
Fronts, Waves, and Stationary Patterns in Electrochemical Systems
2001, 113, 842–863; **2001**, 40, 850–869
- Krivan*, V.**
Activation Analysis—Its Present State of Development and Its Importance as an Analytical Tool
1979, 91, 132–155; **1979**, 18, 123–147
- Krogmann*, K.**
Planar Complexes Containing Metal-Metal Bonds
1969, 81, 10–17; **1969**, 8, 35–42

Krohn*, K.

Total Synthesis of Anthracyclinones
1986, 98, 788–805; **1986**, 25, 790–807

Kröhnke*, F., Zecher, W., Curtze, J., Drechsler, D., Pfléghar, K., Schnalke, K. E., Weis, W.
Syntheses Using the Michael Addition of Pyridinium Salts
1962, 74, 811–817; **1962**, 1, 626–632

Kröhnke*, F.

Syntheses Using Pyridinium Salts
1963, 75, 181–194 (329), 317–329; **1963**, 2, 225–238, 380–393

Wilke*, G., Bogdanović, B., Hardt, P., Heimbach, P., Keim, W.,
Kröner, M., Oberkirch, W., Tanaka, K., Steinrücke, E., Walter, D.,
Zimmermann, H.
Allyl-Transition Metal Systems
1966, 78, 157–172; **1966**, 5, 151–164

Kropf*, H.

Alcohols as Petrochemicals
Chem.-Ing.-Tech. **1966**, 38, 837–845; **1966**, 5, 646–653

Kroto*, H. W.

C₆₀: Buckminsterfullerene, The Celestial Sphere that Fell to Earth
1992, 104, 113–133; **1992**, 31, 111–129
Symmetry, Space, Stars, and C₆₀ (Nobel Lecture)
1997, 109, 1648–1664; **1997**, 36, 1578–1593

Krow*, G. R.

Synthesis and Reactions of Ketenimines
1971, 83, 455–470; **1971**, 10, 435–449

Kruck*, T.

Trifluorophosphine Complexes of Transition Metals
1967, 79, 27–43; **1967**, 6, 53–67

Krüger*, C.

Automated X-Ray Structure Determination as an Analytical
Method
1972, 84, 412–418; **1972**, 11, 387–392

Jonas*, K., Krüger, C.

Alkali Metal-Transition Metal π -Complexes
1980, 92, 513–531; **1980**, 19, 520–537

Angermund, K., Claus, K. H., Goddard, R., **Krüger*, C.**
High-Resolution X-Ray Crystallography—An Experimental
Method for the Description of Chemical Bonds
1985, 97, 241–252; **1985**, 24, 237–247

Schönbeck*, R., König, H., **Krzemicki, K.**, Kahofer, L.
Acrylonitrile from Propylene, Ammonia, and Atmospheric Oxy-
gen
Chem.-Ing.-Tech. **1966**, 38, 701–705; **1966**, 5, 642–646

Kuchen*, W., Hertel, H.

Metal Complexes of Thiophosphinic and Selenophosphinic Acids
1969, 81, 127–135; **1969**, 8, 89–97

Küchler*, E.

Chemical Methods of Studying Ribosome Structure
1976, 88, 555–564; **1976**, 15, 533–542

Jakubke*, H.-D., Kuhl, P., Könnecke, A.

Basic Principles of Protease-Catalyzed Peptide Bond Formation
1985, 97, 79–87; **1985**, 24, 85–93

Kühle*, E.

Carbonic Acid Derivatives from Formamides
1962, 74, 861–866; **1962**, 1, 647–652

Kühle*, E., Klauke, E., Grewe, F.

Fluordichlormethylthio-Verbindungen und ihre Verwendung im
Pflanzenschutz
1964, 76, 807–816; –

Kühle*, E., Anders, B., Zumach, G.

Syntheses of Isocyanide Dihalides
1967, 79, 663–680; **1967**, 6, 649–665

Kühle*, E., Anders, B., Klauke, E., Tarnow, H., Zumach, G.
Reactions of Isocyanide Dihalides and Their Derivatives
1969, 81, 18–32; **1969**, 8, 20–34

Zumach*, G., Kühle, E.

Chlorosulfonylated Carbonic Acid Derivatives
1970, 82, 63–72; **1970**, 9, 54–63

Kühle*, E.

Reactive Monomeric Carbonic Acid Derivatives
1973, 85, 633–647; **1973**, 12, 630–643

Kühle*, E., Klauke, E.

Fluorinated Isocyanates and Their Derivatives as Intermediates
for Biologically Active Compounds
1977, 89, 797–804; **1977**, 16, 735–742

Kuhn*, H., Möbius, D.

Systems of Monomolecular Layers – Assembling and Physico-
Chemical Behavior
1971, 83, 672–690; **1971**, 10, 620–637

Kuhn*, H.

Self-Organization of Molecular Systems and Evolution of the
Genetic Apparatus
1972, 84, 838–862; **1972**, 11, 798–820

Försterling, H.-D., Kuhn*, H., Tews, K.-H.

Computer Model of the Formation of Self-Organizing Systems
1972, 84, 862–865; **1972**, 11, 821–824

Kuhn*, H., Waser, J.

Molecular Self-Organization and the Origin of Life
1981, 93, 495–515; **1981**, 20, 500–520

Wallenfels*, K., Bechtler, G., **Kuhn, R.**, Trischmann, H., Egge, H.
Permethylation of Oligomeric and Polymeric Carbohydrates and
Quantitative Analysis of the Cleavage Products
1963, 75, 1014–1022; **1963**, 2, 515–523

Kuhn*, W.

NMR Microscopy—Fundamentals, Limits and Possible Applica-
tions
1990, 102, 1–20; **1990**, 29, 1–19

Bock, B., Flatau, K., Junge, H., Kuhr, M., Musso*, H.

Bond Character of β -Diketone Metal Chelates
1971, 83, 239–249; **1971**, 10, 225–235

Kunau*, W.-H.

Chemistry and Biochemistry of Unsaturated Fatty Acids
1976, 88, 97–111; **1976**, 15, 61–74

Kündig, E. P., Moskovits, M., Ozin*, G. A.

Transition Metal Atoms in the Synthesis of Binuclear Complexes
1975, 87, 314–326; **1975**, 14, 292–303

Kunin*, R., Winger, A. G.

Liquid Ion-Exchange Technology
Chem.-Ing.-Tech. **1962**, 34, 461–467; **1962**, 1, 149–155

Kunitake*, T.

Synthetic Bilayer Membranes: Molecular Design, Self-Organiza-
tion, and Application
1992, 104, 692–710; **1992**, 31, 709–726

Kunz*, H.

Synthesis of Glycopeptides—Partial Structures of Biological
Recognition Components
1987, 99, 297–311; **1987**, 26, 294–308

Kunz*, H., Rück, K.

Carbohydrates as Chiral Auxiliaries in Stereoselective Synthesis
1993, 105, 355–377; **1993**, 32, 336–358

Oliver, S., Kuperman, A., Ozin*, G. A.

A New Model for Aluminophosphate Formation: Transformation
of a Linear Chain Aluminophosphate to Chain, Layer, and
Framework Structures
1998, 110, 48–64; **1998**, 37, 46–62

Kurreck*, H., Kirste, B., Lubitz, W.

ENDOR Spectroscopy—A Promising Technique for Investigating
the Structure of Organic Radicals
1984, 96, 171–193; **1984**, 23, 173–194

Kurreck*, H., Huber, M.

Model Reactions for Photosynthesis—Photoinduced Charge and Energy Transfer between Covalently Linked Porphyrin and Quinone Units

1995, *107*, 929–947; **1995**, *34*, 849–866

Seiler*, F. R., Gronski, P., **Kurrle, R.**, Lüben, G., Harthus, H.-P., Ax, W., Bosslet, K., Schwick, H.-G.

Monoclonal Antibodies: Their Chemistry, Functions, and Possible Uses

1985, *97*, 141–163; **1985**, *24*, 139–160

Kurzer*, F., Godfrey, L. E. A.

Syntheses of Heterocyclic Compounds from Aminoguanidine

1963, *75*, 1157–1175; **1963**, *2*, 459–476

Kuss*, E.

Extreme Values of the Pressure Coefficient of Viscosity

Chem.-Ing.-Tech. **1965**, *37*, 465–472; **1965**, *4*, 944–950

Kutscher*, B., Bernd, M., Beckers, T., Polymeropoulos, E. E., Engel, J. (Frankfurt)

Chemistry and Molecular Biology in the Search for New LHRH Antagonists

1997, *109*, 2240–2254; **1997**, *36*, 2148–2161

Kutzelnigg*, W.

Methods and Applications of Quantum Chemistry

1966, *78*, 789–802; **1966**, *5*, 823–835

The Physical Mechanism of the Chemical Bond

1973, *85*, 551–568; **1973**, *12*, 546–562

Chemical Bonding in Higher Main Group Elements

1984, *96*, 262–286; **1984**, *23*, 272–295

Friedrich Hund and Chemistry

1996, *108*, 628–643; **1996**, *35*, 572–586



L'abbé, G., Hassner*, A.

New Methods for the Synthesis of Vinyl Azides

1971, *83*, 103–109; **1971**, *10*, 98–104

L'abbé*, G.

Reactions of Vinyl Azides

1975, *87*, 831–838; **1975**, *14*, 775–782

Heterocyclic Analogues of Methylenecyclopropanes

1980, *92*, 277–290; **1980**, *19*, 276–289

Schwartz*, J., **Labinger, J. A.**

Hydrozirconation: A New Transition Metal Reagent for Organic Synthesis

1976, *88*, 402–409; **1976**, *15*, 333–340

Stahl*, S. S., **Labinger, J. A.**, Bercaw, J. E.

Homogeneous Oxidation of Alkanes by Electrophilic

Late Transition Metals

1998, *110*, 2298–2311; **1998**, *37*, 2180–2192

Lackner*, H.

Three-Dimensional Structure of the Actinomycins

1975, *87*, 400–411; **1975**, *14*, 375–386

Lagaly*, G.

Kink-Block and Gauche-Block Structures of Bimolecular Films

1976, *88*, 628–639; **1976**, *15*, 575–586

Addadi*, L., Berkovitch-Yellin, Z., Weissbuch, I., van Mil, J., Shimon, L. J. W., **Lahav*, M.**, Leiserowitz*, L.

Growth and Dissolution of Organic Crystals with “Tailor-Made”

Inhibitors—Implications in Stereochemistry and Materials Science

1985, *97*, 476–496; **1985**, *24*, 466–485

Jacquemain, D., Wolf, S. G., Leveiller, F., Deutsch, M., Kjaer*, K., Als-Nielsen*, J., **Lahav*, M.**, Leiserowitz*, L.

Two-Dimensional Crystallography of Amphiphilic Molecules at the Air–Water Interface

1992, *104*, 134–158; **1992**, *31*, 130–152

Lamb, H. H., Gates, B. C., Knözinger*, H.

Molecular Organometallic Chemistry on Surfaces: Reactivity of Metal Carbonyls on Metal Oxides

1988, *100*, 1162–1180; **1988**, *27*, 1127–1144

Lambert, C., Schleyer*, P. von R.

Are Polar Organometallic Compounds “Carbanions”? The Gegenion Effect on Structure and Energies of Alkali-Metal Compounds

1994, *106*, 1187–1199; **1994**, *33*, 1129–1140

Lambert*, J. B., Nienhuis, R. J., Keepers, J. W.

The Kinetics of Intramolecular Reactions from Relaxation Time Measurements

1981, *93*, 553–566; **1981**, *20*, 487–500

Lammertsma*, K., Schleyer*, P. von R., Schwarz*, H.

Organic Dications: Gas-Phase Experiments and Theory in Concert

1989, *101*, 1313–1335; **1989**, *28*, 1321–1341

Potter*, B. V. L., **Lampe, D.**

Chemistry of Inositol Lipid Mediated Cellular Signaling

1995, *107*, 2085–2125; **1995**, *34*, 1933–1972

Hünig*, S., Brenninger, W., Geiger, H., Kaupp, G., Kniese, W.,

Lampe, W., Quast, H., Rauschenbach, R. D., Schütz, A.

Sulfonyl Hydrazones of Cyclic Amides and Quaternary Azo

Sulfones of Heterocycles as Reagents in Azo Chemistry

1968, *80*, 343–352; **1968**, *7*, 335–344

Lancel*, M., Steiger, A.

Sleep and Its Modulation by Drugs That Affect GABA_A Receptor Function

1999, *111*, 3024–3037; **1999**, *38*, 2852–2864

Landrum, G. A., Dronskowski*, R.

The Orbital Origins of Magnetism: From Atoms to Molecules to Ferromagnetic Alloys

2000, *112*, 1598–1627 (1957); **2000**, *39*, 1560–1585

Landt*, U.

Developments in Inorganic Arc Plasma Chemistry

Chem.-Ing.-Tech. **1970**, *42*, 617–629; **1970**, *9*, 780–792

Lang, E. W., Lüdemann*, H.-D.

Anomalies of Liquid Water

1982, *94*, 351–365; **1982**, *21*, 315–329

Biermann, U., Friedt, W., **Lang, S.**, Lühs, W., Machmüller, G.,

Metzger*, J. O., Rüschen, Klaas, M., Schäfer, H. J.,

Schneider, M. P.

New Syntheses with Oils and Fats as Renewable Raw Materials for the Chemical Industry

2000, *112*, 2292–2310; **2000**, *39*, 2206–2224

Lange*, H., Wötting, G., Winter, G.

Silicon Nitride—From Powder Synthesis to Ceramic Materials

1991, *103*, 1606–1625; **1991**, *30*, 1579–1597

Moser, R., Klauser, S., Leist, T., **Langen, H.**, Epprecht, T.,

Gutte*, B.

Applications of Synthetic Peptides

1985, *97*, 737–745; **1985**, *24*, 719–727

Juza*, R., **Langer, K.**, von Benda, K.

Ternary Nitrides, Phosphides, and Arsenides of Lithium

1968, *80*, 373–384; **1968**, *7*, 360–370

Santini*, J. T., Jr., Richards, A. C., Scheidt, R., Cima*, M. J.,

Langer*, R.

Microchips as Controlled Drug-Delivery Devices

2000, *112*, 2486–2498; **2000**, *39*, 2396–2407

Langhals*, H.

Polarity of Binary Liquid Mixtures

1982, *94*, 739–749; **1982**, *21*, 724–733

- Balkenhohl*, F., von dem Bussche-Hünnefeld, C., **Lansky, A.**, Zechel, C.
Combinatorial Synthesis of Small Organic Molecules
1996, *108*, 2436–2487; **1996**, *35*, 2288–2337
- Arlt*, D., Jautelat, M., **Lantzsch, R.**
Synthesis of Pyrethroid Acids
1981, *93*, 719–738; **1981**, *20*, 703–722
- Larock*, R. C.**
Organomercury Compounds in Organic Synthesis
1978, *90*, 28–38; **1978**, *17*, 27–37
- Lasic*, D. D.**
Sterically Stabilized Vesicles
1994, *106*, 1765–1779; **1994**, *33*, 1685–1698
- Laszlo*, P.**
Sodium-23 Nuclear Magnetic Resonance Spectroscopy
1978, *90*, 271–283; **1978**, *17*, 254–266
- Laszlo*, P.**, Schrobilgen*, G. J.
One or Several Pioneers? The Discovery of Noble-Gas Compounds
1988, *100*, 495–506; **1988**, *27*, 479–489
- Hoffmann*, R., **Laszlo*, P.**
Representation in Chemistry
1991, *103*, 1–16; **1991**, *30*, 1–16
- Dürckheimer*, W., Blumbach, J., **Lattrell, R.**, Scheunemann, K. H.
Recent Developments in the Field of β -Lactam Antibiotics
1985, *97*, 183–205; **1985**, *24*, 180–202
- Läuger*, P.**
Transport Phenomena in Membranes
1969, *81*, 57–68; **1969**, *8*, 42–54
Mechanisms of Biological Ion Transport—Carriers, Channels, and Pumps in Artificial Lipid Membranes
1985, *97*, 939–959; **1985**, *24*, 905–923
- Lavigne, J. J.**, Anslyn*, E. V.
Sensing A Paradigm Shift in the Field of Molecular Recognition: From Selective to Differential Receptors
2001, *113*, 3212–3225; **2001**, *40*, 3118–3130
- Sosnovsky*, G., **Lawesson, S.-O.**
The Peroxyester Reaction
1964, *76*, 218–225; **1964**, *3*, 269–276
- Riess*, J. G., **Le Blanc, M.**
Perfluoro Compounds as Blood Substitutes
1978, *90*, 654–668; **1978**, *17*, 621–634
- Lucet, D., **Le Gall*, T.**, Mioskowski*, C.
The Chemistry of Vicinal Diamines
1998, *110*, 2724–2772; **1998**, *37*, 2580–2627
- le Noble*, W. J.**, Kelm, H.
Chemistry in Compressed Solutions
1980, *92*, 887–904; **1980**, *19*, 841–856
- Turro*, N. J., McVey, J., Ramamurthy, V., **Lechtken, P.**
Adiabatic Photoreactions of Organic Molecules
1979, *91*, 597–612; **1979**, *18*, 572–586
- Corriu*, R. J. P., **Leclercq, D.**
Recent Developments of Molecular Chemistry for Sol–Gel Processes
1996, *108*, 1524–1540; **1996**, *35*, 1420–1436
- Lederer*, E.**
Biosynthesis, Structure, and Biological Action of the Lipids of the Tubercle Bacillus
1964, *76*, 241–249; **1964**, *3*, 393–400
- Bier*, G., Messwarb, G., Nölken, E., **Lederer, M.**, Eichhorn, W., Hofmann, K.
Neue Methode zur Polymerisation von Äthylen bei niedrigen Drücken
1962, *74*, 977–984; –
- Ledl*, F.**, Schleicher*, E.
New Aspects of the Maillard Reaction in Foods and in the Human Body
1990, *102*, 597–626; **1990**, *29*, 565–594
- Lee, S. C.**, Holm*, R. H.
Nonmolecular Metal Chalcogenide/Halide Solids and Their Molecular Cluster Analogues
1990, *102*, 868–885; **1990**, *29*, 840–856
- Solomon*, E. I., Chen, P., Metz, M., **Lee, S.-K.**, Palmer, A. E.
Oxygen Binding, Activation, and Reduction to Water by Copper Proteins
2001, *113*, 4702–4724; **2001**, *40*, 4570–4590
- Lee*, Y. T.**
Molecular Beam Studies of Elementary Chemical Processes (Nobel Lecture)
1987, *99*, 967–980; **1987**, *26*, 939–951
- Blanche, F., Cameron, B., Cronzet, J., Debussche, L., Thibaut, D., Vuilhorgne, M., **Leeper, F. J.**, Battersby*, A. R.
Vitamin B₁₂: How the Problem of Its Biosynthesis Was Solved
1995, *107*, 421–452; **1995**, *34*, 383–411
- Legon*, A. C.**
Prereactive Complexes of Dihalogens XY with Lewis Bases B in the Gas Phase: A Systematic Case for the Halogen Analogue B...XY of the Hydrogen Bond B...HX
1999, *111*, 2850–2880; **1999**, *38*, 2686–2714
- Velluz*, L., **Legrand, M.**
Progress in Optical Circular Dichroism
1965, *77*, 842–850; **1965**, *4*, 838–845
- Lehmann*, G.**, Bambauer, H. U.
Quartz Crystals and Their Colors
1973, *85*, 281–289; **1973**, *12*, 283–291
- Lehmann*, G.**
Solid-State Photochemistry—A Method of Generating Unusual Valence States
1978, *90*, 95–103; **1978**, *17*, 89–97
- Lehmann*, W. D.**, Schulten, H.-R.
Quantitative Mass Spectrometry in Biochemistry and Medicine
1978, *90*, 233–250; **1978**, *17*, 221–238
- Lehmkuhl*, H.**
Complex Formation with Organoaluminum Compounds
1963, *75*, 1090–1097; **1964**, *3*, 107–114
- Lehn*, J.-M.**
Supramolecular Chemistry—Scope and Perspectives—Molecules, Supramolecules, and Molecular Devices (Nobel Lecture)
1988, *100*, 91–116; **1988**, *27*, 89–112
Perspectives in Supramolecular Chemistry—From Molecular Recognition towards Molecular Information Processing and Self-Organization
1990, *102*, 1347–1362; **1990**, *29*, 1304–1319
- Chatt*, J., **Leigh, G. J.**
The Distribution of Charge in Complex Compounds
1978, *90*, 442–449; **1978**, *17*, 400–407
- Addadi*, L., Berkovitch-Yellin, Z., Weissbuch, I., van Mil, J., Shimon, L. J. W., Lahav*, M., **Leiserowitz*, L.**
Growth and Dissolution of Organic Crystals with “Tailor-Made” Inhibitors—Implications in Stereochemistry and Materials Science
1985, *97*, 476–496; **1985**, *24*, 466–485
- Jacquemain, D., Wolf, S. G., Leveiller, F., Deutsch, M., Kjaer*, K., Als-Nielsen*, J., Lahav*, M., **Leiserowitz*, L.**
Two-Dimensional Crystallography of Amphiphilic Molecules at the Air–Water Interface
1992, *104*, 134–158; **1992**, *31*, 130–152

- Scharf*, H.-D., Fleischhauer, J., **Leismann, H.**, Ressler, I., Schleker, W., Weitz, R.
Criteria for the Efficiency, Stability, and Capacity of Abiotic Photochemical Solar Energy Storage Systems
1979, *91*, 696–707; **1979**, *18*, 652–662
- Moser, R., Klausner, S., **Leist, T.**, Langen, H., Epprecht, T., Gutte*, B.
Applications of Synthetic Peptides
1985, *97*, 737–745; **1985**, *24*, 719–727
- Leitner*, W.**
Carbon Dioxide as a Raw Material: The Synthesis of Formic Acid and Its Derivatives from CO₂
1995, *107*, 2391–2405; **1995**, *34*, 2207–2221
- Leloir*, L. F.**
Zwei Jahrzehnte Forschung über die Biosynthese von Sacchariden (Nobel Lecture)
1971, *83*, 813–818; –
- Cammann*, K., **Lemke, U.**, Rohen, A., Sander, J., Wilken, H., Winter, B.
Chemical Sensors and Biosensors—Principles and Applications
1991, *103*, 519–541; **1991**, *30*, 516–539
- Lengyel*, I.**, Sheehan, J. C.
 α -Lactams (Aziridinones)
1968, *80*, 27–37; **1968**, *7*, 25–36
- Lentz*, D.**
Fluorinated Isocyanides—More than Ligands with Unusual Properties
1994, *106*, 1377–1393; **1994**, *33*, 1315–1331
- Lentz, H.**, Franck*, E. U.
Phase Equilibria and Critical Curves of Binary Ammonia–Hydrocarbon Mixtures
1978, *90*, 775–777; **1978**, *17*, 728–730
- Crist, D. R., **Leonard*, N. J.**
Small Charged Heterocycles
1969, *81*, 953–966; **1969**, *8*, 962–974
- Schleyer*, P. von R., **Leone, R. E.**
Degenerate Carbonium Ions
1970, *82*, 889–919; **1970**, *9*, 860–890
- Lerf*, A.**, Butz, T.
Nuclear Quadrupole Interaction and Time-Resolved Perturbed γ - γ -Angular Correlation Spectroscopy: Applications in Chemistry, Materials Science, and Biophysical Chemistry
1987, *99*, 113–130; **1987**, *26*, 110–126
- Gordon, W., **Leugering, H. J.**, Cherdron*, H.
Polyethylene Fibrils: Preparation and Properties
1978, *90*, 833–839; **1978**, *17*, 820–825
- Dähne*, S., **Leupold, D.**
Coupling Principles in Organic Dyes
1966, *78*, 1029–1039; **1966**, *5*, 984–993
- Jacquemain, D., Wolf, S. G., **Leveiller, F.**, Deutsch, M., Kjaer*, K., Als-Nielsen*, J., Lahav*, M., Leiserowitz*, L.
Two-Dimensional Crystallography of Amphiphilic Molecules at the Air–Water Interface
1992, *104*, 134–158; **1992**, *31*, 130–152
- Levi-Montalcini*, R.**
The Nerve Growth Factor: 35 Years Later (Nobel Lecture)
1987, *99*, 727–737; **1987**, *26*, 707–716
- Levsen*, K.**, Schwarz, H.
Collisional Activation Mass Spectrometry—A New Probe for Determining the Structure of Ions in the Gas Phase
1976, *88*, 589–601; **1976**, *15*, 509–519
- Tsutsui*, M., Hancock, M., Ariyoshi, J., **Levy, M. N.**
 σ - π Rearrangements of Organotransition Metal Compounds
1969, *81*, 453–463; **1969**, *8*, 410–420
- Houk*, K. N., **Li, Y.**, Evanseck, J. D.
Transition Structures of Hydrocarbon Pericyclic Reactions
1992, *104*, 711–739; **1992**, *31*, 682–708
- Lichtenthaler*, F. W.**
Cyclization of Dialdehydes with Nitromethane
1964, *76*, 84–97; **1964**, *3*, 211–224
Emil Fischer's Proof of the Configuration of Sugars: A Centennial Tribute
1992, *104*, 1577–1593; **1992**, *31*, 1541–1556
100 Years "Schlüssel-Schloss-Prinzip": What Made Fischer Emil Use this Analogy?
1994, *106*, 2456–2467; **1994**, *33*, 2364–2374
- Heintz, A., **Lichtenthaler*, R. N.**
Liquid Structure and Thermodynamics of Alkane Mixtures
1982, *94*, 170–183; **1982**, *21*, 184–197
- Andersson*, S., **Lidin, S.**, Jacob, M., Terasaki, O.
On the Quasicrystalline State
1991, *103*, 771–775; **1991**, *30*, 754–758
- Stetter*, J., **Lieb, F.**
Innovation in Crop Protection: Trends in Research
2000, *112*, 1792–1812; **2000**, *39*, 1724–1744
- Lieber*, C. M.**, Liu, J., Sheehan, P. E.
Understanding and Manipulating Inorganic Materials with Scanning Probe Microscopes
1996, *108*, 748–768; **1996**, *35*, 686–704
- Liebertz*, J.**
Synthetic Precious Stones
1973, *85*, 326–333; **1973**, *12*, 291–298
- Lieser*, K. H.**
Steps in Precipitation Reactions
1969, *81*, 206–221; **1969**, *8*, 188–202
- Green*, M. M., Park, J.-W., Sato, T., Teramoto, A., **Lifson, S.**, Selinger, R. L. B., Selinger, J. V.
The Macromolecular Route to Chiral Amplification
1999, *111*, 3328–3345; **1999**, *38*, 3138–3154
- Fahr*, E., **Lind, H.**
The Chemistry of α -Carbonyl Azo Compounds
1966, *78*, 376–388; **1966**, *5*, 372–384
- Lindberg*, B.**, Björndal, H., Hellerqvist, C. G., Svensson, S.
Gas-Liquid Chromatography and Mass Spectrometry in Methylation Analysis of Polysaccharides
1970, *82*, 643–652; **1970**, *9*, 610–619
- Hardt, D., Süling*, C., **Lindner, C.**, Morbitzer, L.
Single-Phase Polymer Alloys of Polyvinyl Chloride and New Polymers
1982, *94*, 159–169; **1982**, *21*, 174–184
- Lindner*, E.**
The Behavior of Acid Halides toward Lewis Acids and Lewis Bases
1970, *82*, 143–153; **1970**, *9*, 114–123
- Vitzthum, G., **Lindner*, E.**
Sulfinato Complexes
1971, *83*, 315–327; **1971**, *10*, 315–326
- Lindner*, E.**, Schneller, T., Auer, F., Mayer*, H. A.
Chemistry in Interphases—A New Approach to Organometallic Syntheses and Catalysis
1999, *111*, 2288–2309; **1999**, *38*, 2154–2174
- Lingens*, F.**
The Biosynthesis of Aromatic Amino Acids and its Regulation
1968, *80*, 384–394; **1968**, *7*, 350–360
- Müller, Rudolf, **Lingens*, F.**
Microbial Degradation of Halogenated Hydrocarbons: A Biological Solution to Pollution Problems?
1986, *98*, 778–787; **1986**, *25*, 779–789

- Fetzner*, S., Tshisuaka, B., **Lingens, F.**, Kappl, R., Hüttermann, J. Bacterial Degradation of Quinoline and Derivatives—Pathways and Their Biocatalysts **1998**, *110*, 596–617; **1998**, *37*, 576–597
- Linser*, H.**
The Hormonal System of Plants **1966**, *78*, 895–904; **1966**, *5*, 776–784
- Lintz*, H.-G.**, Vayenas*, C. G.
Solid Ion Conductors in Heterogeneous Catalysis **1989**, *101*, 725–732; **1989**, *28*, 708–715
- Lippard*, S. J.**
Oxo-Bridged Polyiron Centers in Biology and Chemistry **1988**, *100*, 353–371; **1988**, *27*, 344–361
- Merkx, M., Kopp, D. A., Sazinsky, M. H., Blazyk, J. L., Müller, Jens, **Lippard*, S. J.**
Dioxygen Activation and Methane Hydroxylation by Soluble Methane Monooxygenase: A Tale of Two Irons and Three Proteins **2001**, *113*, 2860–2888; **2001**, *40*, 2782–2807
- Lipscomb*, W. N.**
Die Borane und ihre Derivate (Nobel Lecture) **1977**, *89*, 685–696; –
- Sträter, N., **Lipscomb*, W. N.**, Klabunde, T., Krebs*, B.
Two-Metal Ion Catalysis in Enzymatic Acyl- and Phosphoryl-Transfer Reactions **1996**, *108*, 2158–2190; **1996**, *35*, 2024–2055
- Liptay*, W.**
Electrochromism and Solvatochromism **1969**, *81*, 195–206; **1969**, *8*, 177–188
- Liu, D. R.**, Schultz*, P. G.
Generating New Molecular Function: A Lesson from Nature **1999**, *111*, 36–56; **1999**, *38*, 36–54
- Wendt, K. U., Schulz*, G. E., Corey, E. J., **Liu*, D. R.**
Enzyme Mechanisms for Polycyclic Triterpene Formation **2000**, *112*, 2930–2952; **2000**, *39*, 2812–2833
- Lieber*, C. M., **Liu, J.**, Sheehan, P. E.
Understanding and Manipulating Inorganic Materials with Scanning Probe Microscopes **1996**, *108*, 748–768; **1996**, *35*, 686–704
- Siemsen, P., **Livingston, R. C.**, Diederich*, F.
Acetylenic Coupling: A Powerful Tool in Molecular Construction **2000**, *112*, 2740–2767; **2000**, *39*, 2632–2657
- Lloyd*, D.**, Marshall, D. R.
An Alternative Approach to the Nomenclature of Cyclic Conjugated Polyolefins, together with some Observations on the Use of the Term “Aromatic” **1972**, *84*, 447–451; **1972**, *11*, 404–408
- Lloyd*, D.**, McNab, H.
Vinamidines and Vinamidinium Salts—Examples of Stabilized Push-Pull Alkenes **1976**, *88*, 496–504; **1976**, *15*, 459–468
- Lobeck*, M. A.**
Use of the IDC System **1970**, *82*, 598–605; **1970**, *9*, 576–583
- Lockhoff*, O.**
Glycolipids as Immunomodulators: Syntheses and Properties **1991**, *103*, 1639–1649; **1991**, *30*, 1611–1620
- Graf*, R., **Lohaus, G.**, Börner, K., Schmidt, E., Bestian, H.
 β -Lactams, Their Polymerization and Use as Raw Materials for Fibers **1962**, *74*, 523–530; **1962**, *1*, 481–488
- Lohmann*, J.**
Image Enhancement—Chemical, Digital, Visual **1989**, *101*, 1633–1644; **1989**, *28*, 1601–1612
- Vögtle*, F., **Löhr, H.-G.**, Franke, J., Worsch, D.
Host/Guest Chemistry of Organic Onium Compounds—Clathrates, Crystalline Complexes, and Molecular Inclusion Compounds in Aqueous Solution **1985**, *97*, 721–736; **1985**, *24*, 727–742
- Cheetham*, A. K., Férey*, G., **Loiseau, T.**
Open-Framework Inorganic Materials **1999**, *111*, 3466–3492; **1999**, *38*, 3268–3292
- Eschenmoser*, A., Yamada, Y., Miljkovic, D., Wehrli, P., Golding, B., **Löliger, P.**, Keese, R., Müller, K.
A New Type of Corrin Synthesis **1969**, *81*, 301–306; **1969**, *8*, 343–348
- Long*, N. J.**
Organometallic Compounds for Nonlinear Optics—The Search for En-light-enment! **1995**, *107*, 37–56; **1995**, *34*, 21–38
- Powell*, K. A., Ramer, S. W., del Cardayré, S. B., Stemmer, W. P. C., Tobin, M. B., **Longchamp, P. F.**, Huisman, G. W.
Directed Evolution and Biocatalysis **2001**, *113*, 4068–4080; **2001**, *40*, 3948–3959
- Dohmeier, C., **Loos, D.**, Schnöckel*, H.
Aluminum(i) and Gallium(i) Compounds: Syntheses, Structures, and Reactions **1996**, *108*, 141–161; **1996**, *35*, 129–149
- Bogdanović*, B., Henc, B., **Lösler, A.**, Meister, B., Pauling, H., Wilke, G.
Asymmetric Syntheses with the Aid of Homogeneous Transition Metal Catalysts **1973**, *85*, 1013–1023; **1973**, *12*, 954–964
- Lottspeich*, F.**
Proteome Analysis: A Pathway to the Functional Analysis of Proteins **1999**, *111*, 2630–2647; **1999**, *38*, 2476–2492
- Boudier, A., Bromm, L. O., **Lotz, M.**, Knochel*, P.
New Applications of Polyfunctional Organometallic Compounds in Organic Synthesis **2000**, *112*, 4584–4606; **2000**, *39*, 4414–4435
- Lozac'h*, N.**, Goodson, A. L., Powell, W. H.
Nodal Nomenclature I—General Principles **1979**, *91*, 951–964; **1979**, *18*, 887–899
- Lozac'h*, N.**, Goodson, A. L.
Nodal Nomenclature II—Specific Nomenclature for Parent Hydrides, Free Radicals, Ions, and Substituents **1984**, *96*, 1–15; **1984**, *23*, 33–46
- Wieland*, T., **Lüben, G.**, Ottenheym, H., Faesel, J., de Vries, J. X., Konz, W., Prox, A., Schmid, J.
The Discovery, Isolation, Elucidation of Structure, and Synthesis of Antamanide **1968**, *80*, 209–213; **1968**, *7*, 204–208
- Seiler*, F. R., Gronski, P., Kurrle, R., **Lüben, G.**, Harthus, H.-P., Ax, W., Bosslet, K., Schwick, H.-G.
Monoclonal Antibodies: Their Chemistry, Functions, and Possible Uses **1985**, *97*, 141–163; **1985**, *24*, 139–160
- Kurreck*, H., Kirste, B., **Lubitz, W.**
ENDOR Spectroscopy—A Promising Technique for Investigating the Structure of Organic Radicals **1984**, *96*, 171–193; **1984**, *23*, 173–194
- Lübke*, K.**, Schillinger, E., Töpert, M.
Hormone Receptors **1976**, *88*, 790–798; **1976**, *15*, 741–748
- Lucet, D.**, Le Gall*, T., Mioskowski*, C.
The Chemistry of Vicinal Diamines **1998**, *110*, 2724–2772; **1998**, *37*, 2580–2627

Luck*, W., Sand, H.

The Phenomenon of Phototropy

1964, 76, 463–473; **1964**, 3, 570–580

Luck*, W. A. P.

A Model of Simple Liquids

1979, 91, 408–420; **1979**, 18, 350–363

A Model of Hydrogen-Bonded Liquids

1980, 92, 29–42; **1980**, 19, 28–41

Luckenbach*, R., Ecker, R., Sunkel, J.

The Critical Screening and Assessment of Scientific Results without Loss of Information—Possible or Not?

1981, 93, 876–885; **1981**, 20, 841–849

Lang, E. W., **Lüdemann*, H.-D.**

Anomalies of Liquid Water

1982, 94, 351–365; **1982**, 21, 315–329

Lüderitz, O., Westphal*, O.

The Significance of Enterobacterial Mutants for the Chemical Investigation of Their Cell-Wall Polysaccharides

1966, 78, 172–185; **1966**, 5, 198–210

Lüderitz*, O.

Recent Results on the Biochemistry of the Cell Wall Lipopolysaccharides of Salmonella Bacteria

1970, 82, 708–722; **1970**, 9, 649–663

Ludwig*, R.

Water: From Clusters to the Bulk

2001, 113, 1856–1876; **2001**, 40, 1808–1827

Biermann, U., Friedt, W., Lang, S., **Lühs, W.**, Machmüller, G.,

Metzger*, J. O., Rüschen, Klaas, M., Schäfer, H. J.,

Schneider, M. P.

New Syntheses with Oils and Fats as Renewable Raw Materials for the Chemical Industry

2000, 112, 2292–2310; **2000**, 39, 2206–2224

Luisi*, P. L.

Enzymes Hosted in Reverse Micelles in Hydrocarbon Solution

1985, 97, 449–460; **1985**, 24, 439–450

Lunk*, H., Stange, K.

Synthetic Paper

1971, 83, 347–354; **1971**, 10, 287–294

Lunsford*, J. H.

The Catalytic Oxidative Coupling of Methane

1995, 107, 1059–1070; **1995**, 34, 970–980

Luria*, S. E.

Phagen, Colicine und makroregulatorische Phänomene (Nobel Lecture)

1970, 82, 947–952; –

Schlimme*, E., Boos, K. S., Bojanovski, D., **Lüstorff, J.**

Investigations of Mitochondrial Adenine Nucleotide Translocation by Means of Nucleotide Analogs

1977, 89, 717–725; **1977**, 16, 695–702

Bingel*, W. A., **Lüttke, W.**

Hybrid Orbitals and Their Application in Structural Chemistry

1981, 93, 944–956; **1981**, 20, 899–911

Lüttringhaus*, A., Dirksen, H. W.

Tetramethylurea as a Solvent and Reagent

1963, 75, 1059–1068; **1964**, 3, 260–269

Lüttringhaus*, A., Schill, G.

The Preparation of Catena Compounds by Directed Synthesis

1964, 76, 567–568; **1964**, 3, 546–547

Hensel*, H. R., **Lützel, G.**

New Cotton Dyes

1965, 77, 303–313; **1965**, 4, 312–321

Lwoff*, A.

Virus, Zelle, Organismus (Nobel Lecture)

1966, 78, 689–694; –

Lwowski*, W.

Nitrenes and the Decomposition of Carbonylazides

1967, 79, 922–931; **1967**, 6, 897–906

Lyman*, D. J.

Polymers in Medicine

1974, 86, 145–150; **1974**, 13, 108–112

Lynen*, F.

Der Weg von der „aktivierten Essigsäure“ zu den Terpenen und Fettsäuren (Nobel Lecture)

1965, 77, 929–944; –



Maahs*, G., Hegenberg, P.

Syntheses and Derivatives of Squaric Acid

1966, 78, 927–931; **1966**, 5, 888–893

Hopf*, H., **Maas*, G.**

Preparation and Properties, Reactions, and Applications of Radialenes

1992, 104, 953–977; **1992**, 31, 931–954

MacConnell, J. G., Silverstein*, R. M.

Recent Results in Insect Pheromone Chemistry

1973, 85, 647–657; **1973**, 12, 644–654

MacDiarmid*, A. G.

“Synthetic Metals”: A Novel Role for Organic Polymers (Nobel Lecture)

2001, 113, 2649–2659; **2001**, 40, 2581–2590

MacGillivray, L. R., Atwood*, J. L.

Structural Classification and General Principles for the Design of Spherical Molecular Hosts

1999, 111, 1080–1096; **1999**, 38, 1018–1033

Machajewski, T. D., Wong*, C.-H.

The Catalytic Asymmetric Aldol Reaction

2000, 112, 1406–1430; **2000**, 39, 1352–1375

Biermann, U., Friedt, W., Lang, S., Lühs, W., **Machmüller, G.**,

Metzger*, J. O., Rüschen, Klaas, M., Schäfer, H. J.,

Schneider, M. P.

New Syntheses with Oils and Fats as Renewable Raw Materials for the Chemical Industry

2000, 112, 2292–2310; **2000**, 39, 2206–2224

Gliemerth*, G., **Mader, K. H.**

Phototropic Glass

1970, 82, 421–433; **1970**, 9, 434–445

Maelicke*, A.

Biochemical Aspects of Cholinergic Excitation

1984, 96, 193–219; **1984**, 23, 195–221

Maercker*, A.

Ether Cleavage with Organo-Alkali-Metal Compounds and Alkali Metals

1987, 99, 1002–1019; **1987**, 26, 972–989

Reppe*, W., von Kutepow, N., **Magin, A.**

Cyclization of Acetylenic Compounds

1969, 81, 717–723; **1969**, 8, 727–733

Sheline*, R. K., **Mahnke, H.**

The Flipping of CO Ligand Groups in Metal Carbonyl Compounds and Its Frequency in Fe(CO)₅

1975, 87, 337–345; **1975**, 14, 314–321

Mahoney*, L. R.

Antioxidants

1969, 81, 555–563; **1969**, 8, 547–555

Mahr*, C.

Vorschläge zur Gestaltung des Anfängerunterrichts
1962, 74, 243–247; –

Maier*, Gerhard

Gas Separation with Polymer Membranes
1998, 110, 3128–3143; **1998**, 37, 2960–2974

Maier*, Günther

The Norcaradiene Problem
1967, 79, 446–458; **1967**, 6, 402–413
 The Cyclobutadiene Problem
1974, 86, 491–505; **1974**, 13, 425–438
 Tetrahedrane and Cyclobutadiene
1988, 100, 317–341; **1988**, 27, 309–332

Maier*, H. G.

Volatile Flavoring Substances in Foodstuffs
1970, 82, 965–974; **1970**, 9, 917–926

Maier*, J.

Defect Chemistry: Composition, Transport, and Reactions in the Solid State; Part I: Thermodynamics
1993, 105, 333–354; **1993**, 32, 313–335
 Defect Chemistry: Composition, Transport, and Reactions in the Solid State; Part II: Kinetics
1993, 105, 558–571; **1993**, 32, 528–542

Maier*, J. P.

Structure and Decay of Gaseous Organic Radical Cations Studied by their Radiative Decay, Exemplified by the 1,3-Pentadiyne Cation
1981, 93, 649–658; **1981**, 20, 638–646

Maier*, W. F.

Reaction Mechanisms in Heterogeneous Catalysis; C – H Activation as a Case Study
1989, 101, 135–146; **1989**, 28, 135–145

Mairanovsky*, V. G.

Electro-Deprotection—Electrochemical Removal of Protecting Groups
1976, 88, 283–294; **1976**, 15, 281–292

Giroud-Godquin, A.-M., Maitlis*, P. M.

Metallomesogens: Metal Complexes in Organized Fluid Phases
1991, 103, 370–398; **1991**, 30, 375–402

Emanuel*, N. M., Maizus, Z. K., Skibida, I. P.

The Catalytic Activity of Transition Metal Compounds in the Liquid-Phase Oxidation of Hydrocarbons
1969, 81, 91–101; **1969**, 8, 97–107

Malissa*, H.

Integrated Dust Analysis by Physical Methods
1976, 88, 168–176; **1976**, 15, 141–149

Mammen, M., Choi, S.-K., Whitesides*, G. M.

Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors
1998, 110, 2908–2953; **1998**, 37, 2754–2794

Nefedov*, O. M., Manakov, M. N.

Inorganic, Organometallic, and Organic Analogues of Carbenes
1966, 78, 1039–1056; **1966**, 5, 1021–1038

Tsuji*, J., Mandai, T.

Palladium-Catalyzed Reactions of Propargylic Compounds in Organic Synthesis
1995, 107, 2830–2854; **1995**, 34, 2589–2612

Manecke*, G., Storck, W.

Polymeric Catalysts
1978, 90, 691–704; **1978**, 17, 657–670

Mangold*, H. K.

Synthesis and Biosynthesis of Alkoxy lipids
1979, 91, 550–560; **1979**, 18, 493–503

Mann*, S.

The Chemistry of Form
2000, 112, 3532–3548; **2000**, 39, 3392–3406

Manners*, I.

Polymers and the Periodic Table: Recent Developments in Inorganic Polymer Science
1996, 108, 1712–1731; **1996**, 35, 1602–1621

Holy*, N. L., Marcum, J. D.

Radical Anion Intermediates in Organic Chemistry
1971, 83, 132–142; **1971**, 10, 115–124

Marcus*, R. A.

Electron Transfer Reactions in Chemistry: Theory and Experiment (Nobel Lecture)
1993, 105, 1161–1172; **1993**, 32, 1111–1121

Margolin*, A. L., Navia*, M. A.

Protein Crystals as Novel Catalytic Materials
2001, 113, 2262–2281; **2001**, 40, 2204–2222

Marinder*, B.-O.

The Pentagonal Column and the ReO₃-Type Structure
1986, 98, 430–441; **1986**, 25, 431–442

Mark*, H. F.

Macromolecular Chemistry Today—Aging Roots, Sprouting Branches
1981, 93, 309–310; **1981**, 20, 303–304

Eugster*, C. H., Märki-Fischer, E.

The Chemistry of Rose Pigments
1991, 103, 671–689; **1991**, 30, 654–672

Märkl*, G.

Heterocycles Containing Phosphorus
1965, 77, 1109–1124; **1965**, 4, 1023–1038

Marks*, T. J.

Interfaces between Molecular and Polymeric “Metals”: Electrically Conductive, Structure-Enforced Assemblies of Metallo-macrocycles
1990, 102, 886–908; **1990**, 29, 857–879

Marks*, T. J., Ratner*, M. A.

Design, Synthesis, and Properties of Molecule-Based Assemblies with Large Second-Order Optical Nonlinearities
1995, 107, 167–187; **1995**, 34, 155–173

Ugi*, I., Gokel, G., Gillespie, P., Klusacek, H., Marquarding, D.

Chemistry and Logical Structures
1970, 82, 741–771; **1970**, 9, 703–730

Gillespie*, P., Hoffmann, P., Klusacek, H., Marquarding, D.,

Pfohl, S., Ramirez, F., Tsolis, E. A., Ugi, I.
 Non-rigid Molecular Skeletons – Berry Pseudorotation and Turnstile Rotation
1971, 83, 691–721; **1971**, 10, 687–715

Gillespie, P., Ramirez, F., Ugi*, I., Marquarding, D.

Displacement Reactions of Phosphorus(V) Compounds and Their Pentacoordinate Intermediates
1973, 85, 99–127; **1973**, 12, 91–119

Lloyd*, D., Marshall, D. R.

An Alternative Approach to the Nomenclature of Cyclic Conjugated Polyolefins, together with some Observations on the Use of the Term “Aromatic”
1972, 84, 447–451; **1972**, 11, 404–408

Katritzky*, A. R., Marson, C. M.

Pyrylium-Mediated Transformations of Primary Amine Groups into Other Functional Groups
1984, 96, 403–413; **1984**, 23, 420–429

Drauz, K., Kleemann, A., Martens*, J.

Induction of Asymmetry by Amino Acids
1982, 94, 590–613; **1982**, 21, 584–608

Martin*, D., Weise, A., Niclas, H.-J.

The Solvent Dimethyl Sulfoxide
1967, 79, 340–357; **1967**, 6, 318–334

Martin*, E. V.

Struktur und Eigenschaften einer neuen Polyesterfaser
1962, 74, 624–628; –

Martin*, H.

Kinetic Relationships between Reactions in the Gas Phase and in Solution

1966, 78, 73–80; 1966, 5, 78–84

Martin*, H.-D., Mayer, Bernhard

Proximity Effects in Organic Chemistry—The Photoelectron Spectroscopic Investigation of Non-Bonding and Transannular Interactions

1983, 95, 281–313; 1983, 22, 283–314

Halász*, I., Martin, K.

Pore Sizes of Solids

1978, 90, 954–961; 1978, 17, 901–908

Segura, J. L., Martín*, N.

New Concepts in Tetrathiafulvalene Chemistry

2001, 113, 1416–1455; 2001, 40, 1372–1409

Martin, R. E., Diederich*, F.

Linear Monodisperse π -Conjugated Oligomers: Model Compounds for Polymers and More

1999, 111, 1440–1469; 1999, 38, 1350–1377

Martin*, R. H.

The Helicenes

1974, 86, 727–738; 1974, 13, 649–660

Martin*, T. P.

Cluster Beam Chemistry—From Atoms to Solids

1986, 98, 197–212; 1986, 25, 197–211

Vohler*, O., Reiser, P.-L., Martina, R., Overhoff, D.

New Forms of Carbon

1970, 82, 401–412; 1970, 9, 414–425

Maruoka, K., Yamamoto*, H.

Selective Reactions Using Organoaluminum Reagents

1985, 97, 670–683; 1985, 24, 668–682

Marzolph*, H., Busch, H.

Aufbau und Eigenschaften von Polyacrylnitril-Fäden

1962, 74, 628–632; –

Masamune*, S., Bates, G. S., Corcoran, J. W.

Macrolides. Recent Progress in Chemistry and Biochemistry

1977, 89, 602–624; 1977, 16, 585–607

Masamune*, S., Choy, W., Petersen, J. S., Sita, L. R.

Double Asymmetric Synthesis and a New Strategy for Stereochemical Control in Organic Syntheses

1985, 97, 1–31; 1985, 24, 1–30

Tsumuraya, T., Batcheller, S. A., Masamune*, S.

Strained-Ring and Double-Bond Systems Consisting of Frameworks of the Group 14 Elements Si, Ge, and Sn

1991, 103, 916–944; 1991, 30, 902–930

Kresze*, G., Maschke, A., Albrecht, R., Bederke, K.,

Patzschke, H. P., Smalla, H., Trede, A.

Organic *N*-Sulfinyl Compounds

1962, 74, 135–144; 1962, 1, 89–98

Mason*, R., Zubieta, J.

Iron-Sulfur Proteins: Structural Chemistry of Their Chromophores and Related Systems

1973, 85, 390–400; 1973, 12, 390–399

Mason*, R., Meek, D. W.

The Versatility of Tertiary Phosphane Ligands in Coordination and Organometallic Chemistry

1978, 90, 195–206; 1978, 17, 183–194

Massmann*, H.

State of Development of Atomic Absorption Spectrometry

1974, 86, 542–552; 1974, 13, 504–513

Mathes*, W., Schüly, H.

(Halogenomethyl)pyridines and (Halogenomethyl)quinolines

1963, 75, 235–240; 1963, 2, 144–149

Mathey*, F.

The Development of a Carbene-Like Chemistry with Terminal Phosphinidene Complexes

1987, 99, 285–296; 1987, 26, 275–286

Velluz*, L., Valls, J., Mathieu, J.

Spatial Arrangement and Preparative Organic Synthesis

1967, 79, 774–785; 1967, 6, 778–789

Fuhrhop*, J.-H., Mathieu, J.

Routes to Functional Vesicle Membranes without Proteins

1984, 96, 124–137; 1984, 23, 100–113

Matros*, Yu. S.

Mathematical Modeling of Chemical Reactors—Development and Implementation of Novel Technologies

1990, 102, 1274–1285; 1990, 29, 1235–1245

Mikami*, K., Terada, M., Korenaga, T., Matsumoto, Y., Ueki, M., Angelaud, R.

Asymmetric Activation

2000, 112, 3676–3701; 2000, 39, 3532–3556

Mattay*, J.

Charge Transfer and Radical Ions in Photochemistry

1987, 99, 849–870; 1987, 26, 825–845

Matthies*, P., Schlag, J., Schwartz, E.

Formation of Free Radicals in Polyamide Fibers during Drawing

1965, 77, 323–327; 1965, 4, 332–335

Matting*, A., Brockmann, W.

Recent Developments in the Adhesives Field

1968, 80, 641–648; 1968, 7, 598–605

Dunitz*, J. D., Maverick*, E. F., Trueblood*, K. N.

Atomic Motions in Molecular Crystals from Diffraction Measurements

1988, 100, 910–926; 1988, 27, 880–895

Mayer*, A., Neuenhofer*, S.

Luminescent Labels—More than Just an Alternative to Radioisotopes?

1994, 106, 1097–1126; 1994, 33, 1044–1072

Pfeiffer, S., Mayer*, Bernd, Hemmens, B.

Nitric Oxide: Chemical Puzzles Posed by a Biological Messenger

1999, 111, 1824–1844; 1999, 38, 1714–1731

Martin*, H.-D., Mayer, Bernhard

Proximity Effects in Organic Chemistry—The Photoelectron Spectroscopic Investigation of Non-Bonding and Transannular Interactions

1983, 95, 281–313; 1983, 22, 283–314

Lindner*, E., Schneller, T., Auer, F., Mayer*, H. A.

Chemistry in Interphases—A New Approach to Organometallic Syntheses and Catalysis

1999, 111, 2288–2309; 1999, 38, 2154–2174

Mayer*, R., Hiller, G., Nitzschke, M., Jentzsch, J.

Base-Catalysed Reactions of Ketones with Hydrogen Sulfide

1963, 75, 1011–1014; 1963, 2, 370–373

Mayer*, R., Morgenstern, J., Fabian, J.

Aliphatic Thioketones

1964, 76, 157–167; 1964, 3, 277–286

Mayer*, R., Gewald, K.

The Action of Carbon Disulfide and Sulfur on Enamines, Ketimines, and CH Acids

1967, 79, 298–311; 1967, 6, 294–306

Mayr*, H.

CC Bond Formation by Addition of Carbenium Ions to Alkenes: Kinetics and Mechanism

1990, 102, 1415–1428; 1990, 29, 1371–1384

Mayr*, H., Patz, M.

Scales of Nucleophilicity and Electrophilicity: A System for Ordering Polar Organic and Organometallic Reactions

1994, 106, 990–1010; 1994, 33, 938–957

- Talsky*, G., **Mayring, L.**, Kreuzer, H.
High-Resolution Higher-Order UV/VIS Derivative Spectrophotometry
1978, *90*, 840–854; **1978**, *17*, 785–799
- Krischer*, K., **Mazouz, N.**, Grauel, P.
Fronts, Waves, and Stationary Patterns in Electrochemical Systems
2001, *113*, 842–863; **2001**, *40*, 850–869
- Natta*, G., Dall'Asta, G., **Mazzanti, G.**
Stereospecific Homopolymerization of Cyclopentene
1964, *76*, 765–772; **1964**, *3*, 723–729
- Kahr*, B., **McBride*, J. M.**
Optically Anomalous Crystals
1992, *104*, 1–28; **1992**, *31*, 1–26
- Ozin*, G. A., **McCaffrey, J. G.**, Parnis, J. M.
Photochemistry of Transition-Metal Atoms: Reactions with Molecular Hydrogen and Methane in Low-Temperature Matrices
1986, *98*, 1076–1089; **1986**, *25*, 1072–1085
- McCarroll, A. J.**, Walton*, J. C.
Programming Organic Molecules: Design and Management of Organic Syntheses through Free-Radical Cascade Processes
2001, *113*, 2282–2307; **2001**, *40*, 2224–2248
- Billups*, W. E., **McCord, D. J.**
Gas-Phase Synthesis of Reactive Molecules Using Adsorbed Reagents
1994, *106*, 1394–1406; **1994**, *33*, 1332–1343
- Skell*, P. S., **McGlinchey, M. J.**
Reactions of Transition Metal Atoms with Organic Substrates
1975, *87*, 215–219; **1975**, *14*, 195–199
- Lloyd*, D., **McNab, H.**
Vinamidines and Vinamidinium Salts—Examples of Stabilized Push-Pull Alkenes
1976, *88*, 496–504; **1976**, *15*, 459–468
- Henrick, K., **McPartlin*, M.**, Morris, J.
Computer Graphics in the Study of Metal Cluster Compounds
1986, *98*, 843–850; **1986**, *25*, 853–860
- Turro*, N. J., **McVey, J.**, Ramamurthy, V., Lechtken, P.
Adiabatic Photoreactions of Organic Molecules
1979, *91*, 597–612; **1979**, *18*, 572–586
- Mason*, R., **Meek, D. W.**
The Versatility of Tertiary Phosphane Ligands in Coordination and Organometallic Chemistry
1978, *90*, 195–206; **1978**, *17*, 183–194
- Meerwein*, H.**, Wunderlich, K., Zenner, K. F.
Ionic Hydrogenations and Dehydrogenations
1962, *74*, 807–811; **1962**, *1*, 613–617
- Repke*, K. R. H., **Megges, R.**, Weiland, J., Schön, R.
Digitalis Research in Berlin—Buch—Retrospective and Perspective Views
1995, *107*, 308–321; **1995**, *34*, 282–294
- Ying*, J. Y., **Mehnert, C. P.**, Wong, M. S.
Synthesis and Applications of Supramolecular-Templated Mesoporous Materials
1999, *111*, 58–82; **1999**, *38*, 56–77
- Mehnert*, P.**
Kinetics and Mechanism of Radical Polymerization
1974, *86*, 869–878; **1974**, *13*, 781–789
- Meier*, Hans**
Organic Dyes as Photoelectric Semiconductors
1965, *77*, 633–650; **1965**, *4*, 619–635
- Meier*, Hans**, Albrecht, W., Tschirwitz, U.
Industrial Application of the Semiconductor Properties of Dyes
1972, *84*, 1077–1087; **1972**, *11*, 1051–1061
- Meier*, Hans**, Zeller, K.-P.
The Wolff Rearrangement of α -Diazo Carbonyl Compounds
1975, *87*, 52–63; **1975**, *14*, 32–43
- Thermal and Photochemical Cycloelimination of Nitrogen
1977, *89*, 876–890; **1977**, *16*, 835–851
- Meier*, Herbert**
The Photochemistry of Stilbenoid Compounds and Their Role in Materials Technology
1992, *104*, 1425–1446; **1992**, *31*, 1399–1420
- Rüchardt*, C., **Meier, M.**, Haaf, K., Pakusch, J., Wolber, E. K. A., Müller, B.
The Isocyanide–Cyanide Rearrangement; Mechanism and Preparative Applications
1991, *103*, 907–915; **1991**, *30*, 893–901
- Meinel*, C.**
“... to make Chemistry more Applicable and Generally Beneficial”—The Transition in Scientific Perspective in Eighteenth Century Chemistry
1984, *96*, 326–334; **1984**, *23*, 339–347
August Wilhelm Hofmann—“Reigning Chemist-in-Chief”
1992, *104*, 1293–1309; **1992**, *31*, 1265–1282
- Bogdanović*, B., Henc, B., Lösler, A., **Meister, B.**, Pauling, H., Wilke, G.
Asymmetric Syntheses with the Aid of Homogeneous Transition Metal Catalysts
1973, *85*, 1013–1023; **1973**, *12*, 954–964
- St. Hilaire, P. M., **Meldal*, M.**
Glycopeptide and Oligosaccharide Libraries
2000, *112*, 1210–1228; **2000**, *39*, 1162–1179
- Memming*, R.**, Schwandt, G.
Potential and Charge Distribution at Semiconductor–Electrolyte Interfaces
1967, *79*, 833–844; **1967**, *6*, 851–861
- Cornish, V. W., **Mendel, D.**, Schultz*, P. G.
Protein Structure and Function with an Expanded Genetic Code
1995, *107*, 677–690; **1995**, *34*, 621–633
- Mendenhall*, G. D.**
Analytical Applications of Chemiluminescence
1977, *89*, 220–228; **1977**, *16*, 225–232
Chemiluminescence Techniques for the Characterization of Materials
1990, *102*, 380–391; **1990**, *29*, 362–373
- Menger*, F. M.**
Groups of Organic Molecules That Operate Collectively
1991, *103*, 1104–1118; **1991**, *30*, 1086–1099
- Menger*, F. M.**, Gabrielson, K. D.
Cytomimetic Organic Chemistry: Early Developments
1995, *107*, 2260–2278; **1995**, *34*, 2091–2106
- Menger*, F. M.**, Keiper, J. S.
Gemini Surfactants
2000, *112*, 1980–1996; **2000**, *39*, 1906–1920
- Menzel*, D.**
Inelastic Interactions of Slow Electrons with Adsorbed Particles
1970, *82*, 263–275; **1970**, *9*, 255–266
- Menzel*, K. H.**, Pütter, R., Wolfrum, G.
Synthesen und Reaktionen neuer ortho-kondensierter Pyrazoloverbindungen
1962, *74*, 839–847; –
- Menzinger*, M.**, Wolfgang, R. L.
The Meaning and Use of the Arrhenius Activation Energy
1969, *81*, 446–452; **1969**, *8*, 438–444
- Schröder*, G., Oth, J. F. M., **Merényi, R.**
Molecules Undergoing Fast, reversible Valence-Bond Isomerization
1965, *77*, 774–784; **1965**, *4*, 752–761

- Viehe*, H. G., **Merényi, R.**, Stella, L., Janousek, Z.
Capto-dative Substituent Effects in Syntheses with Radicals and Radicophiles
1979, *91*, 982–997; **1979**, *18*, 917–932
- Gleiter*, R., **Merger, M.**
Phanes with Three- and Four-Membered Rings as Building Elements
1997, *109*, 2532–2546; **1997**, *36*, 2426–2439
- Merckx, M.**, Kopp, D. A., Sazinsky, M. H., Blazyk, J. L., Müller, Jens, Lippard*, S. J.
Dioxygen Activation and Methane Hydroxylation by Soluble Methane Monooxygenase: A Tale of Two Irons and Three Proteins
2001, *113*, 2860–2888; **2001**, *40*, 2782–2807
- Merrifield*, R. B.**
Solid Phase Synthesis (Nobel Lecture)
1985, *97*, 801–812; **1985**, *24*, 799–810
- Merten*, R.**, Müller, G.
Reaktionen acylierter Aldehydaminale mit ungesättigten Kohlenwasserstoffen
1962, *74*, 866–871; –
- Merten*, R.**
Synthesis of Heterocyclic Ring Systems for Heat Resistant Plastics from Polyisocyanates
1971, *83*, 339–347; **1971**, *10*, 294–301
- Hocker*, J., **Merten, R.**
Reactions of Electron-Rich Olefins with Proton-Active Compounds
1972, *84*, 1022–1031; **1972**, *11*, 964–973
- Gruehn*, R., **Mertin, W.**
High-Resolution Transmission Electron Microscopy Re-examined as a Tool in Solid-State Chemistry
1980, *92*, 531–546; **1980**, *19*, 505–520
- Fenske*, D., Ohmer, J., Hachgenei, J., **Merzweiler, K.**
New Transition Metal Clusters with Ligands from Main Groups Five and Six
1988, *100*, 1300–1320; **1988**, *27*, 1277–1296
- Sharma*, B. P., Bailey, L. F., **Messing, R. A.**
Immobilized Biomaterials—Techniques and Applications
1982, *94*, 836–852; **1982**, *21*, 837–854
- Sleytr*, U. B., **Messner, P.**, Pum, D., Sára, M.
Crystalline Bacterial Cell Surface Layers (S Layers): From Supramolecular Cell Structure to Biomimetics and Nanotechnology
1999, *111*, 1098–1120; **1999**, *38*, 1034–1054
- Bier*, G., **Messwarb, G.**, Nölken, E., Lederer, M., Eichhorn, W., Hofmann, K.
Neue Methode zur Polymerisation von Äthylen bei niedrigen Drücken
1962, *74*, 977–984; –
- Mester*, L.**
Structure of Sugar Phenylsazones
1965, *77*, 580–588 (618); **1965**, *4*, 574–582
- Iddon, B., **Meth-Cohn, O.**, Scriven, E. F. V., Suschitzky*, H., Gallagher, P. T.
Developments in Arylnitrene Chemistry: Syntheses and Mechanisms
1979, *91*, 965–982; **1979**, *18*, 900–917
- Metiu, H.**, Ross, J., Whitesides*, G. M.
A Basis for Orbital Symmetry Rules
1979, *91*, 363–379; **1979**, *18*, 377–392
- Solomon*, E. I., Chen, P., **Metz, M.**, Lee, S.-K., Palmer, A. E.
Oxygen Binding, Activation, and Reduction to Water by Copper Proteins
2001, *113*, 4702–4724; **2001**, *40*, 4570–4590
- Biermann, U., Friedt, W., Lang, S., Lühs, W., Machmüller, G., **Metzger*, J. O.**, Rüschen, Klaas, M., Schäfer, H. J., Schneider, M. P.
New Syntheses with Oils and Fats as Renewable Raw Materials for the Chemical Industry
2000, *112*, 2292–2310; **2000**, *39*, 2206–2224
- Pratviel, G., Bernadou*, J., **Meunier*, B.**
Carbon–Hydrogen Bonds of DNA Sugar Units as Targets for Chemical Nucleases and Drugs
1995, *107*, 819–845; **1995**, *34*, 746–769
- Bock*, H., Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F., Arad, C., Göbel, I., John, A., **Meuret, J.**, Nick, S., Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B.
Distorted Molecules: Perturbation Design, Preparation and Structures
1992, *104*, 564–595; **1992**, *31*, 550–581
- Glemser*, O., **Mews, R.**
Chemistry of Thiazyl Fluoride (NSF) and Thiazyl Trifluoride (NSF₃): A Quarter Century of Sulfur–Nitrogen–Fluorine Chemistry
1980, *92*, 904–921; **1980**, *19*, 883–899
- Glemser*, O., Schröder, J., Kleine-Weischede, K., **Meyer, B.**, Peuschel, G., Flügel, R., Velde, D.
Preparation of Carbon Tetrachloride from Phosgene
1963, *75*, 823–825; **1963**, *2*, 613–615
- Fasold*, H., Klappenberger, J., **Meyer, C.**, Rembold, H.
Bifunctional Reagents for the Crosslinking of Proteins
1971, *83*, 875–882; **1971**, *10*, 795–801
- Meyer*, E.**
Mechanization of Chemical Documentation
1965, *77*, 340–345; **1965**, *4*, 347–352
Versatile Computer Techniques for Searching by Structural Formulas, Partial Structures, and Classes of Compounds
1970, *82*, 605–611; **1970**, *9*, 583–589
- Eschenmoser*, A., Bertele, E., Boos, H., Dunitz, J. D., Elsinger, F., Felner, I., Gribi, H. P., Gschwend, H., **Meyer, E. F.**, Pesaro, M., Scheffold, R.
A Synthetic Route to the Corrin System
1964, *76*, 393–399; **1964**, *3*, 490–496
- de Meijere*, A., **Meyer, F. E.**
Fine Feathers Make Fine Birds: The Heck Reaction in Modern Garb
1994, *106*, 2473–2506; **1994**, *33*, 2379–2411
- Bossert, F., **Meyer*, H.**, Wehinger, E.
4-Aryldihydropyridines, a New Class of Highly Active Calcium Antagonists
1981, *93*, 755–763; **1981**, *20*, 762–769
- Meyers*, A. I.**, Mihelich, E. D.
The Synthetic Utility of 2-Oxazolines
1976, *88*, 321–332; **1976**, *15*, 270–281
- White*, E. H., **Miano, J. D.**, Watkins, C. J., Breaux, E. J.
Chemically Produced Excited States
1974, *86*, 292–307; **1974**, *13*, 229–243
- Michael, J. P.**, Pattenden*, G.
Marine Metabolites and Metal Ion Chelation: The Facts and the Fantasies
1993, *105*, 1–24; **1993**, *32*, 1–23
- Deisenhofer*, J., **Michel*, H.**
The Photosynthetic Reaction Center from the Purple Bacterium *Rhodospseudomonas viridis* (Nobel Lecture)
1989, *101*, 872–892; **1989**, *28*, 829–847
- Bonačić-Koutecký*, V., Koutecký*, J., **Michl*, J.**
Neutral and Charged Biradicals, Zwitterions, Funnels in S₁, and Proton Translocation: Their Role in Photochemistry, Photophysics, and Vision
1987, *99*, 216–236; **1987**, *26*, 170–189

Brown*, H. C., **Midland, M. M.**

Organic Syntheses via Free-Radical Displacement Reactions of Organoboranes

1972, *84*, 702–710; **1972**, *11*, 692–700

Eberstadt, M., Gemmecker, G., **Mierke, D. F.**, Kessler*, H.

Scalar Coupling Constants—Their Analysis and Their Application for the Elucidation of Structures

1995, *107*, 1813–1838; **1995**, *34*, 1671–1695

Huisgen*, R., **Mietzsch, F.**

The Valence Tautomerism of Cyclooctatetraene

1964, *76*, 36–38; **1964**, *3*, 83–85

Meyers*, A. I., **Mihelich, E. D.**

The Synthetic Utility of 2-Oxazolines

1976, *88*, 321–332; **1976**, *15*, 270–281

Mikami*, K., Terada, M., Korenaga, T., Matsumoto, Y., Ueki, M., Angelaud, R.

Asymmetric Activation

2000, *112*, 3676–3701; **2000**, *39*, 3532–3556

Mile*, B.

Free Radical Studies at Low Temperatures

1968, *80*, 519–531; **1968**, *7*, 507–519

Eschenmoser*, A., Yamada, Y., **Miljkovic, D.**, Wehrli, P.,

Golding, B., Löliger, P., Keese, R., Müller, K.

A New Type of Corrin Synthesis

1969, *81*, 301–306; **1969**, *8*, 343–348

Millauer, H., Schwertfeger, W., Siegemund*, G.

Hexafluoropropene Oxide—A Key Compound in Organofluorine Chemistry

1985, *97*, 164–182; **1985**, *24*, 161–179

Miller*, A. D.

Cationic Liposomes for Gene Therapy

1998, *110*, 1862–1880; **1998**, *37*, 1768–1785

Miller*, J. S., Epstein, A. J.

Control of the Electronic Structure of Organic Conductors as Exemplified by [NMP][TCNQ] Charge-Transfer Complexes

1987, *99*, 332–339; **1987**, *26*, 287–293

Miller*, J. S., Epstein*, A. J.

Organic and Organometallic Molecular Magnetic Materials—Designer Magnets

1994, *106*, 399–432; **1994**, *33*, 385–415

Wright*, J. C., Tallant, D. R., Gustafson, F. J., Johnston, M. V.,

Miller, M. P., Moore, D. S., Porter, L. C., Akse, J. R.

Applications of SEPII to the Solid State Defect Chemistry of Fluorites and Ultra-Trace Inorganic Analysis

1979, *91*, 765–780; **1979**, *18*, 738–752

Milstein*, C.

From the Structure of Antibodies to the Diversification of the Immune Response (Nobel Lecture)

1985, *97*, 819–828; **1985**, *24*, 816–826

Rybtchinski, B., **Milstein*, D.**

Metal Insertion into C–C Bonds in Solution

1999, *111*, 918–932; **1999**, *38*, 870–883

Mimoun*, H.

Oxygen Transfer from Inorganic and Organic Peroxides to Organic Substrates: A Common Mechanism?

1982, *94*, 750–766; **1982**, *21*, 734–750

Lucet, D., Le Gall*, T., **Mioskowski*, C.**

The Chemistry of Vicinal Diamines

1998, *110*, 2724–2772; **1998**, *37*, 2580–2627

Allgeier, A. M., **Mirkin*, C. A.**

Ligand Design for Electrochemically Controlling Stoichiometric and Catalytic Reactivity of Transition Metals

1998, *110*, 936–952; **1998**, *37*, 894–908

Holliday, B. J., **Mirkin*, C. A.**

Strategies for the Construction of Supramolecular Compounds through Coordination Chemistry

2001, *113*, 2076–2097; **2001**, *40*, 2022–2043

Fischer, K., Jonas, K., **Misbach, P.**, Stabba, R., Wilke*, G.

The “Nickel Effect”

1973, *85*, 1002–1012; **1973**, *12*, 943–953

Mislow*, K., Rauk, A., Allen, L. C.

Pyramidal Inversion

1970, *82*, 453–468; **1970**, *9*, 400–414

Buda, A. B., Auf der Heyde, T., **Mislow*, K.**

On Quantifying Chirality

1992, *104*, 1012–1031; **1992**, *31*, 989–1007

Nicolaou*, K. C., **Mitchell, H. J.**

Adventures in Carbohydrate Chemistry: New Synthetic Technologies, Chemical Synthesis, Molecular Design, and Chemical Biology

2001, *113*, 1624–1672; **2001**, *40*, 1576–1624

Mitchell*, P.

David Keilins Konzept der Atmungskette und dessen chemiosmotische Konsequenzen (Nobel Lecture)

1979, *91*, 718–733; –

Ozin*, G. A., **Mitchell, S. A.**

Ligand-Free Metal Clusters

1983, *95*, 706–726; **1983**, *22*, 674–694

George*, M. V., **Mitra, A.**, Sukumaran, K. B.

Thermal and Photochemical Transformations of Hetero-1,3,5-hexatrienes into Five-Membered Rings—Possible Pericyclic Reactions

1980, *92*, 1005–1014; **1980**, *19*, 973–983

Moberg*, C.

C₃ Symmetry in Asymmetric Catalysis and Chiral Recognition

1998, *110*, 260–281; **1998**, *37*, 248–268

Kuhn*, H., **Möbius, D.**

Systems of Monomolecular Layers – Assembling and Physico-Chemical Behavior

1971, *83*, 672–690; **1971**, *10*, 620–637

Schneider*, F., **Möbius, K.**, Plato, M.

The Use of Electron Paramagnetic Resonance in Organic Chemistry

1965, *77*, 888–900; **1965**, *4*, 856–867

van Wazer*, J. R., **Moedritzer, K.**

Scrambling Equilibria and Analysis of Labile Mixtures

1966, *78*, 401–412; **1966**, *5*, 341–351

Moerner*, W. E., Basché*, T.

Optical Spectroscopy of Single Impurity Molecules in Solids

1993, *105*, 537–557; **1993**, *32*, 457–476

Mohr*, H.

The Responsibility of the Scientist

1978, *90*, 651–654; **1978**, *17*, 670–672

Möhr, S., Müller-Buschbaum*, H.

Preparative Solid-State Chemistry with High-Power CO₂ Lasers

1995, *107*, 691–697; **1995**, *34*, 634–640

Dalko*, P. I., **Moisan, L.**

Enantioselective Organocatalysis

2001, *113*, 3840–3864; **2001**, *40*, 3726–3748

Molina*, M. J.

Polar Ozone Depletion (Nobel Lecture)

1996, *108*, 1900–1907; **1996**, *35*, 1778–1785

Möller*, K. E.

Type and Extent of the Isomerization of Straight-Chain Monoolefins during the Koch Carboxylic Acid Synthesis

1963, *75*, 1098–1101; **1963**, *2*, 719–722

- Kirschning*, A., **Monenschein, H.**, Wittenberg, R.
Functionalized Polymers—Emerging Versatile Tools for Solution-Phase Chemistry and Automated Parallel Synthesis
2001, *113*, 670–701; **2001**, *40*, 650–679
- Monod*, J.**
Von der enzymatischen Adaptation zur allosterischen Umlagerung (Nobel Lecture)
1966, *78*, 694–703; –
- Wright*, J. C., Tallant, D. R., Gustafson, F. J., Johnston, M. V., Miller, M. P., **Moore, D. S.**, Porter, L. C., Akse, J. R.
Applications of SEPIL to the Solid State Defect Chemistry of Fluorites and Ultra-Trace Inorganic Analysis
1979, *91*, 765–780; **1979**, *18*, 738–752
- Moore*, S.**, Stein*, W. H.
Die chemische Struktur der Pankreas-Ribonuclease und -Desoxyribonuclease (Nobel Lecture)
1973, *85*, 1074–1083; –
- Müller*, E., Rieker, A., Scheffler, K., **Moosmayer, A.**
Applications and Limitations of Magnetic Methods in Free-Radical Chemistry
1966, *78*, 98–107; **1966**, *5*, 6–15
- Kool*, E. T., **Morales, J. C.**, Guckian, K. M.
Mimicking the Structure and Function of DNA: Insights into DNA Stability and Replication
2000, *112*, 1046–1068; **2000**, *39*, 990–1009
- Morawetz*, H.**
Difficulties in the Emergence of the Polymer Concept—an Essay
1987, *99*, 95–100; **1987**, *26*, 93–97
- Hardt, D., Siling*, C., Lindner, C., **Morbitzer, L.**
Single-Phase Polymer Alloys of Polyvinyl Chloride and New Polymers
1982, *94*, 159–169; **1982**, *21*, 174–184
- Freitag*, D., Fengler, G., **Morbitzer, L.**
Routes to New Aromatic Polycarbonates with Special Material Properties
1991, *103*, 1626–1638; **1991**, *30*, 1598–1610
- Attygalle, A. B., **Morgan*, E. D.**
Pheromones in Nanogram Quantities: Structure Determination by Combined Microchemical and Gas Chromatographic Methods
1988, *100*, 475–494; **1988**, *27*, 460–478
- Mayer*, R., **Morgenstern, J.**, Fabian, J.
Aliphatic Thioketones
1964, *76*, 157–167; **1964**, *3*, 277–286
- Nakamura*, E., **Mori, S.**
Wherefore Art Thou Copper? Structures and Reaction Mechanisms of Organocuprate Clusters in Organic Chemistry
2000, *112*, 3902–3924; **2000**, *39*, 3750–3771
- Hoveyda*, A. H., **Morken, J. P.**
Enantioselective C–C and C–H Bond Formation Mediated or Catalyzed by Chiral ebthi Complexes of Titanium and Zirconium
1996, *108*, 1378–1401; **1996**, *35*, 1262–1284
- Henrick, K., McPartlin*, M., **Morris, J.**
Computer Graphics in the Study of Metal Cluster Compounds
1986, *98*, 843–850; **1986**, *25*, 853–860
- Mosbach*, K.**
Biosynthesis of Lichen Substances, Products of a Symbiotic Association
1969, *81*, 233–244; **1969**, *8*, 240–250
- Moser, R.**, Klauser, S., Leist, T., Langen, H., Epprecht, T., Gutte*, B.
Applications of Synthetic Peptides
1985, *97*, 737–745; **1985**, *24*, 719–727
- Günther*, H., **Moskau, D.**, Bast, P., Schmalz, D.
Modern NMR Spectroscopy of Organolithium Compounds
1987, *99*, 1242–1250; **1987**, *26*, 1212–1220
- Kündig, E. P., **Moskovits, M.**, Ozin*, G. A.
Transition Metal Atoms in the Synthesis of Binuclear Complexes
1975, *87*, 314–326; **1975**, *14*, 292–303
- Mössbauer*, R. L.**
Gamma Resonance Spectroscopy and Chemical Bonding
1971, *83*, 524–534; **1971**, *10*, 462–472
- Mothes*, K.**, Schütte, H. R.
The Biosynthesis of Alkaloids
1963, *75*, 265–281, 357–374; **1963**, *2*, 341–357, 441–458
- Mueller*, W. H.**
Thiiranium Ions as Reaction Intermediates
1969, *81*, 475–484; **1969**, *8*, 482–492
- Mueller-Westerhoff*, U. T.**
[m,m]Metallocenophanes: Synthesis, Structure, and Properties
1986, *98*, 700–716; **1986**, *25*, 702–717
- Muetterties*, E. L.**
A Coordination Chemist's View of Surface Science
1978, *90*, 577–591; **1978**, *17*, 545–558
- Muetterties*, E. L.**, Krause, M. J.
Catalysis by Molecular Metal Clusters
1983, *95*, 135–148; **1983**, *22*, 135–148
- Mukaiyama*, T.**
Oxidation-Reduction Condensation
1976, *88*, 111–120; **1976**, *15*, 94–103
Titanium Tetrachloride in Organic Synthesis
1977, *89*, 858–866; **1977**, *16*, 817–826
New Synthetic Reactions Based on the Onium Salts of Aza-Arenes
1979, *91*, 798–812; **1979**, *18*, 707–721
- Pino*, P., **Mülhaupt, R.**
Stereospecific Polymerization of Propylene: An Outlook 25 Years after Its Discovery
1980, *92*, 869–887; **1980**, *19*, 857–875
- Brintzinger*, H. H., Fischer, D., **Mülhaupt, R.**, Rieger, B., Waymouth, R. M.
Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts
1995, *107*, 1255–1283; **1995**, *34*, 1143–1170
- Müllen*, K.**
New Reductive Transformations of Unsaturated Cyclic Hydrocarbons
1987, *99*, 192–205; **1987**, *26*, 204–217
- Müller*, A.**, Jostes, R., Cotton, F. A.
Trinuclear Clusters of the Early Transition Elements
1980, *92*, 921–929; **1980**, *19*, 875–882
- Müller*, A.**, Diemann, E., Jostes, R., Bögge, H.
Transition Metal Thiometalates: Properties and Their Significance in Complex and Bioinorganic Chemistry
1981, *93*, 957–977; **1981**, *20*, 934–955
- Pope*, M. T., **Müller*, A.**
Polyoxometalate Chemistry: An Old Field with New Dimensions in Several Disciplines
1991, *103*, 56–70; **1991**, *30*, 34–48
- Müller*, A.**, Krahn, E.
On the Synthesis of the FeMo Cofactor of Nitrogenase: Gene-Controlled in Nature versus Laboratory-Produced by Man
1995, *107*, 1172–1179; **1995**, *34*, 1071–1078
- Müller*, A.**, Reuter*, H., Dillinger, S.
Supramolecular Inorganic Chemistry: Small Guests in Small and Large Hosts
1995, *107*, 2505–2539; **1995**, *34*, 2328–2361
- Rüchardt*, C., Meier, M., Haaf, K., Pakusch, J., Wolber, E. K. A., **Müller, B.**
The Isocyanide–Cyanide Rearrangement; Mechanism and Preparative Applications
1991, *103*, 907–915; **1991**, *30*, 893–901

Müller*, B. G.

Fluorides of Copper, Silver, Gold, and Palladium
1987, 99, 1120–1135; **1987**, 26, 1081–1097

Müller*, E., Rieker, A., Scheffler, K., Moosmayer, A.
Applications and Limitations of Magnetic Methods in Free-Radical Chemistry
1966, 78, 98–107; **1966**, 5, 6–15

Hünig*, S., Balli, H., Breiter, E., Brühne, F., Geiger, H., Grigat, E., **Müller, F.**, Quast, H.
Heterocyclic Azo Dyes by Oxidative Coupling
1962, 74, 818–824; **1962**, 1, 640–646

Merten*, R., Müller, G.

Reaktionen acylierter Aldehydaminale mit ungesättigten Kohlenwasserstoffen
1962, 74, 866–871; –

Müller*, H., Wittenberg, D., Seibt, H., Scharf, E.
Recent Results in the Catalytic Oligomerization and Co-oligomerization of Butadiene
1965, 77, 318–323; **1965**, 4, 327–332

Müller*, H.

Chemical Effect of Nuclear Transformations in Solids
1967, 79, 128–144; **1967**, 6, 133–149

Müller, H.-M., Seebach*, D.

Poly(hydroxyalkanoates): A Fifth Class of Physiologically Important Organic Biopolymers?
1993, 105, 483–509; **1993**, 32, 477–502

Hünig*, S., **Müller, H. R.**, Thier, W.
The Chemistry of Diimine
1965, 77, 368–377; **1965**, 4, 271–280

Schirmer*, R. H., **Müller, J. G.**, Krauth-Siegel, R. L.
Disulfide-Reductase Inhibitors as Chemotherapeutic Agents: The Design of Drugs for Trypanosomiasis and Malaria
1995, 107, 153–166; **1995**, 34, 141–154

Merkx, M., Kopp, D. A., Sazinsky, M. H., Blazyk, J. L., **Müller, Jens**, Lippard*, S. J.
Dioxygen Activation and Methane Hydroxylation by Soluble Methane Monooxygenase: A Tale of Two Irons and Three Proteins
2001, 113, 2860–2888; **2001**, 40, 2782–2807

Müller*, Jörn

Decomposition of Organometallic Complexes in the Mass Spectrometer
1972, 84, 725–737; **1972**, 11, 653–665

Eschenmoser*, A., Yamada, Y., Miljkovic, D., Wehrli, P., Golding, B., Löliger, P., Keese, R., **Müller, K.**
A New Type of Corrin Synthesis
1969, 81, 301–306; **1969**, 8, 343–348

Müller*, K.

Reaction Paths on Multidimensional Energy Hypersurfaces
1980, 92, 1–14; **1980**, 19, 1–13

Truscheit*, E., Frommer, W., Junge, B., **Müller, L.**, Schmidt, D. D., Wingender, W.
Chemistry and Biochemistry of Microbial α -Glucosidase Inhibitors
1981, 93, 738–755; **1981**, 20, 744–761

Bernhauer*, K., Müller, O., Wagner, F.

New Chemical and Biochemical Developments in the Vitamin B₁₂ Field
1963, 75, 1145–1156; **1964**, 3, 200–211

Müller*, R., Kieslich, K.

Technology of the Microbiological Preparation of Organic Substances
Chem.-Ing.-Tech. **1966**, 38, 813–825; **1966**, 5, 653–662

von Philipsborn*, W., Müller, Raffaello

¹⁵N-NMR Spectroscopy—New Methods and Applications
1986, 98, 381–412; **1986**, 25, 383–413

Müller, Rudolf, Lingens*, F.

Microbial Degradation of Halogenated Hydrocarbons: A Biological Solution to Pollution Problems?
1986, 98, 778–787; **1986**, 25, 779–789

Oschkinat*, H., **Müller, T.**, Dieckmann, T.
Protein Structure Determination with Three- and Four-Dimensional NMR Spectroscopy
1994, 106, 284–300; **1994**, 33, 277–293

Schäfer*, H., Eisenmann, B., Müller, W.

Zintl Phases: Transitions between Metallic and Ionic Bonding
1973, 85, 742–760; **1973**, 12, 694–712

Ahlers, M., **Müller, W.**, Reichert, A., Ringsdorf*, H., Venzmer, J.
Specific Interactions of Proteins with Functional Lipid Monolayers—Ways of Simulating Biomembrane Processes
1990, 102, 1310–1327; **1990**, 29, 1269–1285

Müller-Buschbaum*, H.

Oxometallates with Planar Coordination

1977, 89, 704–717; **1977**, 16, 674–687

Production of High Temperatures in the Chemical Laboratory: Examples of Application in Lanthanoid Oxo-Chemistry

1981, 93, 1–12; **1981**, 20, 22–33

The Crystal Chemistry of High-Temperature Oxide Superconductors and Materials with Related Structures

1989, 101, 1503–1524; **1989**, 28, 1472–1493

The Crystal Chemistry of Copper Oxometallates

1991, 103, 741–761; **1991**, 30, 723–744

Möhr, S., Müller-Buschbaum*, H.

Preparative Solid-State Chemistry with High-Power CO₂ Lasers
1995, 107, 691–697; **1995**, 34, 634–640

Müller-Dethlefs*, K., Schlag, E. W.

Chemical Applications of Zero Kinetic Energy (ZEKE) Photoelectron Spectroscopy

1998, 110, 1414–1444; **1998**, 37, 1346–1374

Müller-Hill*, B.

Lac Repressor

1971, 83, 195–207; **1971**, 10, 160–172

Wiberg*, E., van Ghemen, M., Müller-Schiedmayer, G.

New Developments in the Chemistry of Polyphosphanes
1963, 75, 814–823; **1963**, 2, 646–654

Mulliken*, R. S.

Spektroskopie, Molekül-Orbitale und chemische Bindung (Nobel Lecture)

1967, 79, 541–554; –

Mullis*, K. B.

The Polymerase Chain Reaction (Nobel Lecture)

1994, 106, 1271–1276; **1994**, 33, 1209–1213

Seipke*, G., Müllner, H., Grau, U.

High-Pressure Liquid Chromatography (HPLC) of Proteins
1986, 98, 530–548; **1986**, 25, 535–552

Süs*, O., Munder, J., Steppan, H.

Neue Entwicklungen auf dem Gebiet der vorsensibilisierten Druckfolien

1962, 74, 985–988; –

Bolm*, C., Hildebrand, J. P., Muñoz, K., Hermanns, N.

Catalyzed Asymmetric Arylation Reactions
2001, 113, 3382–3407; **2001**, 40, 3284–3308

Murad*, F.

Discovery of Some of the Biological Effects of Nitric Oxide and Its Role in Cell Signaling (Nobel Lecture)

1999, 111, 1976–1989; **1999**, 38, 1856–1868

Murai*, S., Sonoda, N.

Catalytic Reactions with Hydrosilane and Carbon Monoxide
1979, 91, 896–905; **1979**, 18, 837–846

Murashashi*, S.-I.

Synthetic Aspects of Metal-Catalyzed Oxidations of Amines and Related Reactions

1995, *107*, 2670–2693; **1995**, *34*, 2443–2465

Murthy, Y. K. S., Anders*, H.-P.

Interferons

1970, *82*, 489–498; **1970**, *9*, 480–488

Musher*, J. I.

The Chemistry of Hypervalent Molecules

1969, *81*, 68–83; **1969**, *8*, 54–68 (131)

Musso*, H.

Phenol Oxidation Reactions

1963, *75*, 965–977; **1963**, *2*, 723–735

Bock, B., Flatau, K., Junge, H., Kuhr, M., **Musso*, H.**

Bond Character of β -Diketone Metal Chelates

1971, *83*, 239–249; **1971**, *10*, 225–235

Osawa*, E., **Musso, H.**

Molecular Mechanics Calculations in Organic Chemistry: Examples of the Usefulness of this Simple Non-Quantum Mechanical Model

1983, *95*, 1–12; **1983**, *22*, 1–12

Wagner, I., **Musso*, H.**

New Naturally Occurring Amino Acids

1983, *95*, 827–839; **1983**, *22*, 816–828

Mutter*, M.

The Construction of New Proteins and Enzymes—a Prospect for the Future?

1985, *97*, 639–654; **1985**, *24*, 639–653

Mutter*, M., Vuilleumier, S.

A Chemical Approach to Protein Design—Template-Assembled Synthetic Proteins (TASP)

1989, *101*, 551–571; **1989**, *28*, 535–554

Muxfeldt*, H.

Syntheses in the Tetracycline Series

1962, *74*, 443–452; **1962**, *1*, 372–381

Synthese eines Terramycin-Bausteins

1962, *74*, 825–828; –



Kastning*, E.-G., **Naarmann, H.**, Reis, H., Berding, C.

Metal Chelates as Polymerization Initiators

1965, *77*, 313–318; **1965**, *4*, 322–327

Nadin, A., Nicolaou*, K. C.

Chemistry and Biology of the Zaragozic Acids (Squalestatins)

1996, *108*, 1732–1766; **1996**, *35*, 1622–1656

Nakagawa*, M.

Annulenoannulenes

1979, *91*, 215–226; **1979**, *18*, 202–214

Nakamoto*, K.

Metal Isotope Effect on Metal–Ligand Vibrations

1972, *84*, 755–764; **1972**, *11*, 666–674

Yasuda*, H., **Nakamura*, A.**

Diene, Alkyne, Alkene, and Alkyl Complexes of Early Transition Metals: Structure and Synthetic Applications in Organic and Polymer Chemistry

1987, *99*, 745–764; **1987**, *26*, 723–742

Nakamura*, E., Mori, S.

Wherefore Art Thou Copper? Structures and Reaction Mechanisms of Organocuprate Clusters in Organic Chemistry

2000, *112*, 3902–3924; **2000**, *39*, 3750–3771

Narjes*, K.-H.

The Integrating Effect of the Research Policy of the European Communities

1990, *102*, 1225–1232; **1990**, *29*, 1189–1196

Bock*, H., Ruppert, K., **Näther, C.**, Havlas, Z., Herrmann, H.-F.,

Arad, C., Göbel, I., John, A., Meuret, J., Nick, S.,

Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B.

Distorted Molecules: Perturbation Design, Preparation and Structures

1992, *104*, 564–595; **1992**, *31*, 550–581

Natta*, G.

Von der stereospezifischen Polymerisation zur asymmetrischen autokatalytischen Synthese von Makromolekülen (Nobel Lecture)

1964, *76*, 553–566; –

Natta*, G., Dall'Asta, G., Mazzanti, G.

Stereospecific Homopolymerization of Cyclopentene

1964, *76*, 765–772; **1964**, *3*, 723–729

Farina, M., Peraldo, M., **Natta*, G.**

Cyclic Compounds as Configurational Models for Stereoregular Polymers

1965, *77*, 149–154; **1965**, *4*, 107–112

Nau*, H.

Sequence Analysis of Polypeptides and Proteins by Combined Gas Chromatography–Mass Spectrometry

1976, *88*, 74–86; **1976**, *15*, 75–86

Braunstein*, P., **Naud*, F.**

Hemilability of Hybrid Ligands and the Coordination Chemistry of Oxazoline-Based Systems

2001, *113*, 702–722; **2001**, *40*, 680–699

Hölderich*, W., Hesse, M., **Näumann, F.**

Zeolites: Catalysts for Organic Synthesis

1988, *100*, 232–251; **1988**, *27*, 226–246

Margolin*, A. L., **Navia*, M. A.**

Protein Crystals as Novel Catalytic Materials

2001, *113*, 2262–2281; **2001**, *40*, 2204–2222

Tomalia*, D. A., **Naylor, A. M.**, Goddard III, W. A.

Starburst Dendrimers: Molecular-Level Control of Size, Shape, Surface Chemistry, Topology, and Flexibility from Atoms to Macroscopic Matter

1990, *102*, 119–157; **1990**, *29*, 138–175

Neeb*, R.

Inverse Polarography and Voltammetry: New Methods for Trace Analysis

1962, *74*, 203–213; **1962**, *1*, 196–206

Neel*, L.

Magnetismus und lokales Molekularfeld (Nobel Lecture)

1971, *83*, 838–848; –

Nefedov*, O. M., Manakov, M. N.

Inorganic, Organometallic, and Organic Analogues of Carbenes

1966, *78*, 1039–1056; **1966**, *5*, 1021–1038

Neher*, E.

Ion Channels for Communication Between and Within Cells (Nobel Lecture)

1992, *104*, 837–843; **1992**, *31*, 824–829

Seeliger, W., Aufderhaar, E., Diepers, W., Feinauer, R.,

Nehring, R., Thier, W., Hellmann*, H.

Recent Syntheses and Reactions of Cyclic Imidic Esters

1966, *78*, 913–927; **1966**, *5*, 875–888

Fischer*, W., Biesenberger, K., Heppner, J., **Neitzel, U.**

Old and New Processes of Multiplicative Distribution (Liquid–Liquid Extraction)

Chem.-Ing.-Tech. **1964**, *36*, 85–99; **1964**, *3*, 791–800

Janshoff, A., **Neitzert, M.**, Oberdörfer, Y., Fuchs*, H.

Force Spectroscopy of Molecular Systems—Single Molecule Spectroscopy of Polymers and Biomolecules

2000, *112*, 3346–3374; **2000**, *39*, 3212–3237

- Némethy*, G.**
Hydrophobic Interactions
1967, 79, 260–271; **1967**, 6, 195–206
- Engelhard*, N., Prchal, K., **Nenner, M.**
Acetylcholin Esterase
1967, 79, 604–616; **1967**, 6, 615–626
- von Schnering*, H. G., **Nesper, R.**
How Nature Adapts Chemical Structures to Curved Surfaces
1987, 99, 1097–1119; **1987**, 26, 1059–1080
- Nesper*, R.**
Bonding Patterns in Intermetallic Compounds
1991, 103, 805–834; **1991**, 30, 789–817
- Savin*, A., **Nesper*, R.**, Wengert, S., Fässler, T. F.
ELF: The Electron Localization Function
1997, 109, 1892–1918; **1997**, 36, 1808–1832
- Bittler*, K., von Kutepow, N., **Neubauer, D.**, Reis, H.
Carbonylation of Olefins under Mild Temperature Conditions in the Presence of Palladium Complexes
1968, 80, 352–359; **1968**, 7, 329–335
- Mayer*, A., **Neuenhofer*, S.**
Luminescent Labels—More than Just an Alternative to Radioisotopes?
1994, 106, 1097–1126; **1994**, 33, 1044–1072
- Neugebauer*, F. A.**
Hydrazidinyl Radicals: 1,2,4,5-Tetraazapentenyls, Verdazyls, and Tetrazolinyls
1973, 85, 485–493; **1973**, 12, 455–464
- Danen*, W. C., **Neugebauer, F. A.**
Aminyl Free Radicals
1975, 87, 823–830; **1975**, 14, 783–789
- Sell, P.-J., **Neumann*, A. W.**
The Surface Tension of Solids
1966, 78, 321–331; **1966**, 5, 299–307
- Neumann*, E.**
Molecular Hysteresis and Its Cybernetic Significance
1973, 85, 430–444; **1973**, 12, 356–369
- Vögtle*, F., **Neumann, P.**
Stereochemistry of [2.2]Metacyclophanes
1972, 84, 75–85; **1972**, 11, 73–83
- Simon*, H., Bader, J., Günther, H., **Neumann, S.**, Thanos, J.
Chiral Compounds Synthesized by Biocatalytic Reductions
1985, 97, 541–555; **1985**, 24, 539–553
- Neumann*, W.**, Fischer, P.
The Preparation of Carbodiimides from Isocyanates
1962, 74, 801–806; **1962**, 1, 621–625
- Neumann*, W. P.**
Recent Developments in Organotin Chemistry
1963, 75, 225–235; **1963**, 2, 165–175
Die Hydrostannierung ungesättigter Verbindungen
1964, 76, 849–859; –
- Neusser*, H. J.**, Schlag, E. W.
High Resolution Spectroscopy below the Doppler Width
1992, 104, 269–280; **1992**, 31, 263–273
- Fluck*, E., Kerler, W., **Neuwirth, W.**
The Mössbauer Effect and its Significance in Chemistry
1963, 75, 461–472; **1963**, 2, 277–287
- Bock*, H., Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F., Arad, C., Göbel, I., John, A., Meuret, J., **Nick, S.**, Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B.
Distorted Molecules: Perturbation Design, Preparation and Structures
1992, 104, 564–595; **1992**, 31, 550–581
- Fugmann*, R., Dölling, U., **Nickelsen, H.**
A Topological Approach to the Problem of Ring Structures
1967, 79, 802–813; **1967**, 6, 723–733
- Fugmann*, R., **Nickelsen, H.**, Nickelsen, I., Winter, J. H.
TOSAR – A Topological Method for the Representation of Synthetic and Analytical Relations of Concepts
1970, 82, 611–618; **1970**, 9, 589–595
- Fugmann*, R., Nickelsen, H., **Nickelsen, I.**, Winter, J. H.
TOSAR – A Topological Method for the Representation of Synthetic and Analytical Relations of Concepts
1970, 82, 611–618; **1970**, 9, 589–595
- Martin*, D., Weise, A., **Niclas, H.-J.**
The Solvent Dimethyl Sulfoxide
1967, 79, 340–357; **1967**, 6, 318–334
- Nicolaou*, K. C.**, Gasič, G. P., Barnette, W. E.
Synthesis and Biological Properties of Prostaglandin Endoperoxides, Thromboxanes, and Prostacyclins
1978, 90, 360–379; **1978**, 17, 293–312
- Nicolaou*, K. C.**, Ramphal, J. Y., Petasis, N. A., Serhan*, C. N.
Lipoxins and Related Eicosanoids: Biosynthesis, Biological Properties, and Chemical Synthesis
1991, 103, 1119–1136; **1991**, 30, 1100–1116
- Nicolaou*, K. C.**, Dai, W.-M.
Chemistry and Biology of the Enediyne Anticancer Antibiotics
1991, 103, 1453–1481; **1991**, 30, 1387–1416
- Nicolaou*, K. C.**
The Battle of Calicheamicin γ_1^I
1993, 105, 1462–1471; **1993**, 32, 1377–1385
- Nicolaou*, K. C.**, Dai, W.-M., Guy, R. K.
Chemistry and Biology of Taxol
1994, 106, 38–69; **1994**, 33, 15–44
- Nicolaou*, K. C.**, Guy, R. K.
The Conquest of Taxol
1995, 107, 2247–2259; **1995**, 34, 2079–2090
- Nicolaou*, K. C.**
The Total Synthesis of Brevetoxin B: A Twelve-Year Odyssey in Organic Synthesis
1996, 108, 644–664; **1996**, 35, 588–607
- Nadin, A., **Nicolaou*, K. C.**
Chemistry and Biology of the Zaragozaic Acids (Squalestatins)
1996, 108, 1732–1766; **1996**, 35, 1622–1656
- Nicolaou*, K. C.**, Roschangar, F., Vourloumis, D.
Chemical Biology of Epothilones
1998, 110, 2120–2153; **1998**, 37, 2014–2045
- Papageorgiou*, V. P., Assimopoulou, A. N., Couladouros, E. A., Hepworth, D., **Nicolaou*, K. C.**
The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products
1999, 111, 280–311; **1999**, 38, 270–301
- Nicolaou*, K. C.**, Boddy, C. N. C., Bräse, S., Winssinger, N.
Chemistry, Biology, and Medicine of the Glycopeptide Antibiotics
1999, 111, 2230–2287; **1999**, 38, 2096–2152
- Nicolaou*, K. C.**, Vourloumis, D., Winssinger, N., Baran, P. S.
The Art and Science of Total Synthesis at the Dawn of the Twenty-First Century
2000, 112, 46–126; **2000**, 39, 44–122
- Nicolaou*, K. C.**, Mitchell, H. J.
Adventures in Carbohydrate Chemistry: New Synthetic Technologies, Chemical Synthesis, Molecular Design, and Chemical Biology
2001, 113, 1624–1672; **2001**, 40, 1576–1624
- Niecke*, E.**, Gudat, D.
Iminophosphanes: Unconventional Compounds of Main Group Elements
1991, 103, 251–270; **1991**, 30, 217–237
- Niedenzu*, K.**
Recent Developments in the Chemistry of Aminoboranes
1964, 76, 168–175; **1964**, 3, 86–92

Niedermayer*, R.

Formation of Ad-Layers and Clusters on Condensation of Metal Vapors on Solid Surfaces

1975, 87, 233–239; **1975**, 14, 212–218

Niederprüm*, H.

Chemical Nickel Plating

1975, 87, 652–658; **1975**, 14, 614–620

Hinrichs*, H., Niedetzky, J.

A New Type of Converter for Ammonia Synthesis

Chem.-Ing.-Tech. **1962**, 34, 88–91; **1962**, 1, 206–210

Niedrach*, L. W.

Electrodes for Potential Measurements in Aqueous Systems at High Temperatures and Pressures

1987, 99, 183–191; **1987**, 26, 161–169

Beck*, W., Niemer, B., Wieser, M.

Methods for the Synthesis of μ -Hydrocarbon Transition Metal Complexes without Metal–Metal Bonds

1993, 105, 969–996; **1993**, 32, 923–949

Niemeyer*, C. M.

Nanoparticles, Proteins, and Nucleic Acids: Biotechnology Meets Materials Science

2001, 113, 4254–4287; **2001**, 40, 4128–4158

Lambert*, J. B., Nienhuis, R. J., Keepers, J. W.

The Kinetics of Intramolecular Reactions from Relaxation Time Measurements

1981, 93, 553–566; **1981**, 20, 487–500

Klemm*, W., Niermann, H.

Further Contributions to the Knowledge of Semimetals

1963, 75, 508–515; **1963**, 2, 523–530

Niessner*, R.

Chemical Characterization of Aerosols: On-Line and In Situ

1991, 103, 542–552; **1991**, 30, 466–476

Nikaido*, H.

Permeability of the Outer Membranes of Bacteria

1979, 91, 394–407; **1979**, 18, 337–350

Jüstel*, T., Nikol*, H., Ronda*, C.

New Developments in the Field of Luminescent Materials for Lighting and Displays

1998, 110, 3250–3271; **1998**, 37, 3084–3103

Nimz*, H.

Beech Lignin – Proposal of a Constitutional Scheme

1974, 86, 336–344; **1974**, 13, 313–321

Nirenberg*, M.

Der genetische Code (Nobel Lecture)

1969, 81, 1017–1027; –

Nissen, D., Rossbach, V., Zahn*, H.

Chemical Analysis of Synthetic Fibers

1973, 85, 691–706; **1973**, 12, 602–617

Walter, S., Nitschke, E., Bode, C., Becker*, E. W., Hübener, R. P., Kessler, R. W., Schindewolf, U.

Enrichment of Heavy Water by High Pressure Exchange between Hydrogen and an Aqueous Catalyst Suspension

Chem.-Ing.-Tech. **1962**, 34, 7–10; **1962**, 1, 21–24

Mayer*, R., Hiller, G., Nitschke, M., Jentzsch, J.

Base-Catalysed Reactions of Ketones with Hydrogen Sulfide

1963, 75, 1011–1014; **1963**, 2, 370–373

Bier*, G., Messwarb, G., Nölken, E., Lederer, M., Eichhorn, W., Hofmann, K.

Neue Methode zur Polymerisation von Äthylen bei niedrigen Drücken

1962, 74, 977–984; –

Noll*, W.

The Silicate Bond from the Standpoint of Electronic Theory

1963, 75, 123–130; **1963**, 2, 73–80

Noll*, W., Holm, R., Born, L.

Painting of Ancient Ceramics

1975, 87, 639–651; **1975**, 14, 602–613

Noller*, H., Andréu, P., Hunger, Manfred

The Mechanism of Contact Elimination

1971, 83, 185–194; **1971**, 10, 172–181

Nölting*, J.

Disorder in Solids (Ionic Crystals and Metals)

1970, 82, 498–510; **1970**, 9, 489–500

Velluz*, L., Valls, J., Nominé, G.

Recent Advances in the Total Synthesis of Steroids

1965, 77, 185–205; **1965**, 4, 181–200

Franck*, B., Nonn, A.

Novel Porphyrinoids for Chemistry and Medicine by Biomimetic Syntheses

1995, 107, 1941–1957; **1995**, 34, 1795–1811

Nordling*, C.

ESCA: Electron Spectroscopy for Chemical Analysis

1972, 84, 144–153; **1972**, 11, 83–92

Noren, C. J., Wang, J., Perler*, F. B.

Dissecting the Chemistry of Protein Splicing and Its Applications

2000, 112, 458–476; **2000**, 39, 450–466

Normant*, H.

Hexamethylphosphoramide

1967, 79, 1029–1050; **1967**, 6, 1046–1067

Norrish*, R. G. W.

Untersuchungen einiger schneller Reaktionen in Gasen durch Blitzlichtphotolyse und kinetische Spektroskopie (Nobel Lecture)

1968, 80, 868–881; –

Nöth*, H.

The Chemistry of Amino Imino Boranes

1988, 100, 1664–1684; **1988**, 27, 1603–1622

Nowotny*, H.

Crystal Chemistry of Complex Carbides and Related Compounds

1972, 84, 973–982; **1972**, 11, 906–915

Schurig*, V., Nowotny, H.-P.

Gas Chromatographic Separation of Enantiomers on Cyclodextrin Derivatives

1990, 102, 969–986; **1990**, 29, 939–957

Noyori*, R., Suzuki, M.

Prostaglandin Syntheses by Three-Component Coupling

1984, 96, 854–882; **1984**, 23, 847–876

Noyori*, R., Kitamura, M.

Enantioselective Addition of Organometallic Reagents to Carbonyl Compounds: Chirality Transfer, Multiplication, and Amplification

1991, 103, 34–55; **1991**, 30, 49–69

Noyori*, R., Ohkuma, T.

Asymmetric Catalysis by Architectural and Functional Molecular Engineering: Practical Chemo- and Stereoselective Hydrogenation of Ketones

2001, 113, 40–75; **2001**, 40, 40–73

Yamamoto*, H., Nozaki, H.

Selective Reactions with Organoaluminum Compounds

1978, 90, 180–186; **1978**, 17, 169–175

Nübling*, W., Steidle, W.

The “Dokumentationsring der chemisch-pharmazeutischen Industrie”; Aims and Methods

1970, 82, 618–621; **1970**, 9, 596–598

Schier*, O., Nübling, W., Steidle, W., Valls, J.

A System for the Documentation of Chemical Reactions

1970, 82, 622–628; **1970**, 9, 599–604

Freyschlag*, H., Grassner, H., **Nürrenbach, A.**, Pommer, H., Reif, W., Sarnecki, W.
Formation and Reactivity of Phosphonium Salts in the Vitamin A Series
1965, 77, 277–282; **1965**, 4, 287–291

Nüsslein-Volhard*, C.
The Identification of Genes Controlling Development in Flies and Fishes (Nobel Lecture)
1996, 108, 2316–2328; **1996**, 35, 2176–2187



Obe, G., Sperling, K., Belitz*, H. J.
Some Aspects of Chemical Mutagenesis in Man and in Drosophila
1971, 83, 301–314; **1971**, 10, 302–314

Janshoff, A., Neitzert, M., **Oberdörfer, Y.**, Fuchs*, H.
Force Spectroscopy of Molecular Systems—Single Molecule Spectroscopy of Polymers and Biomolecules
2000, 112, 3346–3374; **2000**, 39, 3212–3237

Wilke*, G., Bogdanović, B., Hardt, P., Heimbach, P., Keim, W., Kröner, M., **Oberkirch, W.**, Tanaka, K., Steinrück, E., Walter, D., Zimmermann, H.
Allyl-Transition Metal Systems
1966, 78, 157–172; **1966**, 5, 151–164

Schlögl*, R., Indlekofer, G., **Oelhafen, P.**
Emission of Microparticles from Automotive Sources—X-Ray Photoelectron Spectroscopy in Environmental Analysis
1987, 99, 312–322; **1987**, 26, 309–319

Holtschmidt*, H., **Oertel, G.**
Isocyanates of Esters of Some Acids of Phosphorus and Silicon
1962, 74, 795–799; **1962**, 1, 617–621

Oesterhelt*, D.
Bacteriorhodopsin as an Example of a Light-Driven Proton Pump
1976, 88, 16–24; **1976**, 15, 17–24

Sumper, M., Reitmeier, H., **Oesterhelt*, D.**
Biosynthesis of the Purple Membrane of Halobacteria
1976, 88, 203–210; **1976**, 15, 187–194

Ugi*, I., Fetzer, U., Eholzer, U., Knupfer, H., **Offermann, K.**
Isonitrile Syntheses
1965, 77, 492–504; **1965**, 4, 472–484

Asinger*, F., **Offermanns, H.**
Syntheses with Ketones, Sulfur, and Ammonia or Amines at Room Temperature
1967, 79, 953–965; **1967**, 6, 907–919

Weigert*, W. M., **Offermanns, H.**, Scherberich, P.
D-Penicillamine—Production and Properties
1975, 87, 372–378; **1975**, 14, 330–336

Calderon*, N., **Ofstead, E. A.**, Judy, W. A.
Mechanistic Aspects of Olefin Metathesis
1976, 88, 433–442; **1976**, 15, 401–409

Noyori*, R., **Ohkuma, T.**
Asymmetric Catalysis by Architectural and Functional Molecular Engineering: Practical Chemo- and Stereoselective Hydrogenation of Ketones
2001, 113, 40–75; **2001**, 40, 40–73

Fenske*, D., **Ohmer, J.**, Hachgenei, J., Merzweiler, K.
New Transition Metal Clusters with Ligands from Main Groups Five and Six
1988, 100, 1300–1320; **1988**, 27, 1277–1296

Ohnacker*, G., Kalbfleisch, W.
CCBF – A system for the Computer Processing of Chemical and Biological Facts
1970, 82, 628–633; **1970**, 9, 605–610

Palm*, R., **Ohse, H.**, Cherdron, H.
Polymers Containing Lactone Groups
1966, 78, 1093–1099; **1966**, 5, 994–1000

Yamada*, K., **Ojika, M.**, Kigoshi, H.
Isolation, Chemistry, and Biochemistry of Ptaquiloside, a Bracken Carcinogen
1998, 110, 1918–1926; **1998**, 37, 1818–1826

Okamoto*, Y., Yashima, E.
Polysaccharide Derivatives for Chromatographic Separation of Enantiomers
1998, 110, 1072–1095; **1998**, 37, 1020–1043

Oki*, M.
Unusually High Barriers to Rotation Involving the Tetrahedral Carbon Atom
1976, 88, 67–74; **1976**, 15, 87–93

Olah*, G. A.
Carbocations and Electrophilic Reactions
1973, 85, 183–225; **1973**, 12, 173–212

Olah*, G. A., Parker, D. G., Yoneda, N.
Superacid-Catalyzed Oxygenation of Alkanes
1978, 90, 962–984; **1978**, 17, 909–931

Prakash, G. K. S., Rawdah, T. N., **Olah*, G. A.**
Stable Carbocations
1983, 95, 356–367; **1983**, 22, 390–401

Olah*, G. A.
Superelectrophiles
1993, 105, 805–827; **1993**, 32, 767–788
My Search for Carbocations and Their Role in Chemistry (Nobel Lecture)
1995, 107, 1519–1532; **1995**, 34, 1393–1405

Henrici-Olivé*, G., **Olivé, S.**
The Active Species in Homogeneous Ziegler–Natta Catalysts for the Polymerization of Ethylene
1967, 79, 764–773; **1967**, 6, 790–798
Non-Enzymatic Activation of Molecular Nitrogen
1969, 81, 679–690; **1969**, 8, 650–659
Influence of Ligands on the Activity and Specificity of Soluble Transition Metal Catalysts
1971, 83, 121–132; **1971**, 10, 105–115
Vanadium and Chromium Catalysts for Polymerization of Ethylene
1971, 83, 782–793; **1971**, 10, 776–786
Activation of Molecular Oxygen
1974, 86, 1–12; **1974**, 13, 29–38
The Fischer-Tropsch Synthesis: Molecular Weight Distribution of Primary Products and Reaction Mechanism
1976, 88, 144–150; **1976**, 15, 136–141

Oliver, S., Kuperman, A., Ozin*, G. A.
A New Model for Aluminophosphate Formation: Transformation of a Linear Chain Aluminophosphate to Chain, Layer, and Framework Structures
1998, 110, 48–64; **1998**, 37, 46–62

Omae*, I.
Organometallic Intramolecular π -Olefin-Metal Coordination Compounds
1982, 94, 902–915; **1982**, 21, 889–902

Onsager*, L.
Die Bewegung von Ionen: Prinzipien und Vorstellungen (Nobel Lecture)
1969, 81, 1009–1016; –

- Oosterom, G. E.**, Reek*, J. N. H., Kamer, P. C. J., van Leeuwen*, P. W. N. M.
Transition Metal Catalysis Using Functionalized Dendrimers
2001, *113*, 1878–1901; **2001**, *40*, 1828–1849
- Fawcett*, W. R., **Opallo, M.**
The Kinetics of Heterogeneous Electron Transfer Reactions in Polar Solvents
1994, *106*, 2239–2252; **1994**, *33*, 2131–2143
- Opitz*, G.**
Sulfines and Sulfoxes – the S-Oxides and S,S-Dioxides of Thioaldehydes and Thioketones
1967, *79*, 161–177; **1967**, *6*, 107–123
- Adam*, W., **Oppenländer, T.**
185-nm Photochemistry of Olefins, Strained Hydrocarbons, and Azoalkanes in Solution
1986, *98*, 659–670; **1986**, *25*, 661–672
- Oppolzer*, W.**
Intramolecular [4 + 2] and [3 + 2] Cycloadditions in Organic Synthesis
1977, *89*, 10–24; **1977**, *16*, 10–23
- Oppolzer*, W.**, Snieckus, V.
Intramolecular Ene Reactions in Organic Synthesis
1978, *90*, 506–516; **1978**, *17*, 476–486
- Oppolzer*, W.**
Asymmetric Diels-Alder and Ene Reactions in Organic Synthesis
1984, *96*, 840–854; **1984**, *23*, 876–889
Intramolecular, Stoichiometric (Li, Mg, Zn) and Catalytic (Ni, Pd, Pt) Metallo-Ene Reactions in Organic Synthesis
1989, *101*, 39–53; **1989**, *28*, 38–52
- Orth*, H. D.**, Brümmer, W.
Carrier-Bound Biologically Active Substances and Their Applications
1972, *84*, 319–330; **1972**, *11*, 249–260
- Saenger*, W., **Orth, P.**, Kisker, C., Hillen, W., Hinrichs, W.
The Tetracycline Repressor—A Paradigm for a Biological Switch
2000, *112*, 2122–2133; **2000**, *39*, 2042–2052
- Osawa*, E.**, Musso, H.
Molecular Mechanics Calculations in Organic Chemistry: Examples of the Usefulness of this Simple Non-Quantum Mechanical Model
1983, *95*, 1–12; **1983**, *22*, 1–12
- Oschkinat*, H.**, Müller, T., Dieckmann, T.
Protein Structure Determination with Three- and Four-Dimensional NMR Spectroscopy
1994, *106*, 284–300; **1994**, *33*, 277–293
- Bittler*, K., **Ostertag, W.**
Developments in the Field of Inorganic Pigments
1980, *92*, 187–194; **1980**, *19*, 190–196
- Schröder*, G., **Oth, J. F. M.**, Merényi, R.
Molecules Undergoing Fast, reversible Valence-Bond Isomerization
1965, *77*, 774–784; **1965**, *4*, 752–761
- Schröder*, G., **Oth, J. F. M.**
Recent Chemistry of Bullvalene
1967, *79*, 458–467; **1967**, *6*, 414–423
- Wieland*, T., Lüben, G., **Ottenheim, H.**, Faesel, J., de Vries, J. X., Konz, W., Prox, A., Schmid, J.
The Discovery, Isolation, Elucidation of Structure, and Synthesis of Antamanide
1968, *80*, 209–213; **1968**, *7*, 204–208
- Asquith*, R. S., **Otterburn, M. S.**, Sinclair, W. J.
Isopeptide Crosslinks – Their Occurrence and Importance in Protein Structure
1974, *86*, 580–587; **1974**, *13*, 514–520
- Fischer*, W., Deierling, B., Heitsch, H., **Otto, G.**, Pohlmann, H.-P., Reinhardt, K.
The Separation of Zirconium and Hafnium by Liquid-Liquid Partition of Their Thiocyanates
1966, *78*, 19–27; **1966**, *5*, 15–23
- Albrecht, P., **Ourisson*, G.**
Biogenic Substances in Sediments and Fossils
1971, *83*, 221–238; **1971**, *10*, 209–225
- Shemyakin*, M. M., **Ovchinnikov, Yu. A.**, Ivanov, V. T.
Topochemical Investigations on Peptide Systems
1969, *81*, 523–529; **1969**, *8*, 492–499
- Overberger*, C. G.**, Sannes, K. N.
Polymers as Reagents in Organic Synthesis
1974, *86*, 139–145; **1974**, *13*, 99–104
- Vohler*, O., Reiser, P.-L., Martina, R., **Overhoff, D.**
New Forms of Carbon
1970, *82*, 401–412; **1970**, *9*, 414–425
- Overman*, L. E.**
Mercury(II)- and Palladium(II)-Catalyzed [3,3]-Sigmatropic Rearrangements
1984, *96*, 565–573; **1984**, *23*, 579–586
- Kündig, E. P., Moskovits, M., **Ozin*, G. A.**
Transition Metal Atoms in the Synthesis of Binuclear Complexes
1975, *87*, 314–326; **1975**, *14*, 292–303
- Ozin*, G. A.**, Mitchell, S. A.
Ligand-Free Metal Clusters
1983, *95*, 706–726; **1983**, *22*, 674–694
- Ozin*, G. A.**, McCaffrey, J. G., Parnis, J. M.
Photochemistry of Transition-Metal Atoms: Reactions with Molecular Hydrogen and Methane in Low-Temperature Matrices
1986, *98*, 1076–1089; **1986**, *25*, 1072–1085
- Oliver, S., Kuperman, A., **Ozin*, G. A.**
A New Model for Aluminophosphate Formation: Transformation of a Linear Chain Aluminophosphate to Chain, Layer, and Framework Structures
1998, *110*, 48–64; **1998**, *37*, 46–62
- Pace, C. N.**, Heinemann, U., Hahn, U., Saenger*, W.
Ribonuclease T1: Structure, Function, and Stability
1991, *103*, 351–369; **1991**, *30*, 343–360
- Padwa*, A.**
Intramolecular 1,3-Dipolar Cycloaddition Reactions
1976, *88*, 131–144; **1976**, *15*, 123–136
- Padwa*, A.**, Austin, D. J.
Ligand Effects on the Chemoselectivity of Transition Metal Catalyzed Reactions of α -Diazo Carbonyl Compounds
1994, *106*, 1881–1899; **1994**, *33*, 1797–1815
- Pacch-Horowitz*, M.**
The Origin of Life
1973, *85*, 422–430; **1973**, *12*, 349–356
- Page*, M. I.**
Entropy, Binding Energy, and Enzymic Catalysis
1977, *89*, 456–467; **1977**, *16*, 449–459
- Rüchardt*, C., Meier, M., Haaf, K., **Pakusch, J.**, Wolber, E. K. A., Müller, B.
The Isocyanide–Cyanide Rearrangement; Mechanism and Preparative Applications
1991, *103*, 907–915; **1991**, *30*, 893–901



- Paleos*, C. M.**, Tsiourvas, D.
Thermotropic Liquid Crystals Formed by Intermolecular Hydrogen Bonding Interactions
1995, *107*, 1839–1855; **1995**, *34*, 1696–1711
- Simon*, H., **Palm, D.**
Isotope Effects in Organic Chemistry and Biochemistry
1966, *78*, 993–1007; **1966**, *5*, 920–933
- Palm*, R.**, Ohse, H., Cherdron, H.
Polymers Containing Lactone Groups
1966, *78*, 1093–1099; **1966**, *5*, 994–1000
- Solomon*, E. I., Chen, P., Metz, M., Lee, S.-K., **Palmer, A. E.**
Oxygen Binding, Activation, and Reduction to Water by Copper Proteins
2001, *113*, 4702–4724; **2001**, *40*, 4570–4590
- Diana*, G. D., **Pancic, F.**
Chemotherapy of Virus Diseases
1976, *88*, 458–465; **1976**, *15*, 410–416
- Deschler*, U., Kleinschmit, P., **Panster, P.**
3-Chloropropyltrialkoxysilanes—Key Intermediates for the Commercial Production of Organofunctionalized Silanes and Polysiloxanes
1986, *98*, 237–253; **1986**, *25*, 236–252
- Ager*, D. J., **Pantaleone, D. P.**, Henderson, S. A., Katritzky, A. R., Prakash, I., Walters, D. E.
Commercial, Synthetic Nonnutritive Sweeteners
1998, *110*, 1900–1916; **1998**, *37*, 1802–1817
- Papageorgiou*, V. P.**, Assimopoulou, A. N., Couladouros, E. A., Hepworth, D., Nicolaou*, K. C.
The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products
1999, *111*, 280–311; **1999**, *38*, 270–301
- Papoian, G. A.**, Hoffmann*, R.
Hypervalent Bonding in One, Two, and Three Dimensions: Extending the Zintl–Klemm Concept to Nonclassical Electron-Rich Networks
2000, *112*, 2500–2544; **2000**, *39*, 2408–2448
- Paquette*, L. A.**
Valence Isomerism in Selected Heterocyclic Systems
1971, *83*, 11–20; **1971**, *10*, 11–20
The Realities of Extended Homoaromaticity
1978, *90*, 114–125; **1978**, *17*, 106–117
Stereocontrolled Construction of Complex Cyclic Ketones via Oxy-Cope Rearrangement
1990, *102*, 642–660; **1990**, *29*, 609–626
- Green*, M. M., **Park, J.-W.**, Sato, T., Teramoto, A., Lifson, S., Selinger, R. L. B., Selinger, J. V.
The Macromolecular Route to Chiral Amplification
1999, *111*, 3328–3345; **1999**, *38*, 3138–3154
- Olah*, G. A., **Parker, D. G.**, Yoneda, N.
Superacid-Catalyzed Oxygenation of Alkanes
1978, *90*, 962–984; **1978**, *17*, 909–931
- Ozin*, G. A., McCaffrey, J. G., **Parnis, J. M.**
Photochemistry of Transition-Metal Atoms: Reactions with Molecular Hydrogen and Methane in Low-Temperature Matrices
1986, *98*, 1076–1089; **1986**, *25*, 1072–1085
- Pasini*, A.**, Zunino*, F.
New Cisplatin Analogues—On the Way to Better Antitumor Agents
1987, *99*, 632–641; **1987**, *26*, 615–624
- Sinn, H., **Patat*, F.**
The Mechanism of the Action of Organometallic Catalysts
1963, *75*, 805–813; **1964**, *3*, 93–101
- Katritzky*, A. R., **Patel, R. C.**, Riddell, F. G.
N-Methyl Inversion Barriers in Six-Membered Rings
1981, *93*, 567–575; **1981**, *20*, 521–529
- Michael, J. P., **Pattenden*, G.**
Marine Metabolites and Metal Ion Chelation: The Facts and the Fantasies
1993, *105*, 1–24; **1993**, *32*, 1–23
- Mayr*, H., **Patz, M.**
Scales of Nucleophilicity and Electrophilicity: A System for Ordering Polar Organic and Organometallic Reactions
1994, *106*, 990–1010; **1994**, *33*, 938–957
- Zahn*, H., Heidemann, G., **Pätzold, W.**, Gleitsmann, G. B.
Synthetische Fasern (Tendenz in Produktion, Entwicklung und Forschung)
1962, *74*, 599–605; –
- Kresze*, G., Maschke, A., Albrecht, R., Bederke, K., **Patzschke, H. P.**, Smalla, H., Trede, A.
Organic N-Sulfinyl Compounds
1962, *74*, 135–144; **1962**, *1*, 89–98
- Paul*, W.**
Electromagnetic Traps for Charged and Neutral Particles (Nobel Lecture)
1990, *102*, 780–789; **1990**, *29*, 739–748
- Bogdanović*, B., Henc, B., Lösler, A., Meister, B., **Pauling, H.**, Wilke, G.
Asymmetric Syntheses with the Aid of Homogeneous Transition Metal Catalysts
1973, *85*, 1013–1023; **1973**, *12*, 954–964
- Paulsen*, H.**
Carbohydrates Containing Nitrogen or Sulfur in the “Hemiacetal” Ring
1966, *78*, 501–516; **1966**, *5*, 495–511
Advances in Selective Chemical Syntheses of Complex Oligosaccharides
1982, *94*, 184–201; **1982**, *21*, 155–173
Syntheses, Conformations and X-Ray Structure Analyses of the Saccharide Chains from the Core Regions of Glycoproteins
1990, *102*, 851–867; **1990**, *29*, 823–839
- Paver, M. A.**, Russell, C. A., Wright*, D. S.
Structure and Bonding in Organometallic Anions of Heavy Group 14 and 15 Elements
1995, *107*, 1679–1688; **1995**, *34*, 1545–1554
- Poznyak*, A. L., **Pavlovski, V. I.**
Photochemical Reactions of Ligands in Transition-Metal Complexes
1988, *100*, 812–819; **1988**, *27*, 789–796
- Emmeliu*, M., **Pawlowski*, G.**, Vollmann*, H. W.
Materials for Optical Data Storage
1989, *101*, 1475–1502; **1989**, *28*, 1445–1471
- Pearson*, R. G.**, Anderson, M. M.
Exchange Rates of Ligands in Complex Ions
1965, *77*, 361–368; **1965**, *4*, 281–287
- Pedersen*, C. J.**, Frensdorff, H. K.
Macrocyclic Polyethers and Their Complexes with Polyethers
1972, *84*, 16–26; **1972**, *11*, 16–25
- Pedersen*, C. J.**
The Discovery of Crown Ethers (Nobel Lecture)
1988, *100*, 1053–1059; **1988**, *27*, 1021–1027
- Pelling*, C.**, Scholtissek, C.
Die Funktion der Ribonucleinsäuren im Organismus
1964, *76*, 881–888; –
- Farina, M., **Peraldo, M.**, Natta*, G.
Cyclic Compounds as Configurational Models for Stereoregular Polymers
1965, *77*, 149–154; **1965**, *4*, 107–112
- Perkampus*, H.-H.**, Baumgarten, E.
Proton-Addition Complexes of Aromatic Hydrocarbons
1964, *76*, 965–972; **1964**, *3*, 776–783

- Pestemer*, M., Bergmann, G., **Perkampus, H.-H.**, Schrader, B.
A Code for the Classification of the Ultraviolet Spectra of Organic Compounds
1965, 77, 541–543; **1965**, 4, 516–518
- Noren, C. J., Wang, J., **Perler*, F. B.**
Dissecting the Chemistry of Protein Splicing and Its Applications
2000, 112, 458–476; **2000**, 39, 450–466
- Perlstein*, J. H.**
“Organic Metals”—The Intermolecular Migration of Aromaticity
1977, 89, 534–549; **1977**, 16, 519–534
- Perreault, D. M.**, Anslyn*, E. V.
Unifying the Current Data on the Mechanism of Cleavage–Transesterification of RNA
1997, 109, 470–490; **1997**, 36, 432–450
- Perutz*, M. F.**
Röntgenanalyse des Hämoglobins (Nobel Lecture)
1963, 75, 589–595; –
- Eschenmoser*, A., Bertele, E., Boos, H., Dunitz, J. D., Elsinger, F., Felner, I., Gribi, H. P., Gschwend, H., Meyer, E. F., **Pesaro, M.**, Scheffold, R.
A Synthetic Route to the Corrin System
1964, 76, 393–399; **1964**, 3, 490–496
- Pestemer*, M.**, Bergmann, G., Perkampus, H.-H., Schrader, B.
A Code for the Classification of the Ultraviolet Spectra of Organic Compounds
1965, 77, 541–543; **1965**, 4, 516–518
- Nicolaou*, K. C., Ramphal, J. Y., **Petasis, N. A.**, Serhan*, C. N.
Lipoxins and Related Eicosanoids: Biosynthesis, Biological Properties, and Chemical Synthesis
1991, 103, 1119–1136; **1991**, 30, 1100–1116
- Peter*, M. G.**
Chemical Modifications of Biopolymers by Quinones and Quinone Methides
1989, 101, 572–587; **1989**, 28, 555–570
- Peter*, S.**
Fortschritte und Probleme der Rheologie
1963, 75, 194–205; –
- Peter*, S.**, Brunner, G.
The Separation of Nonvolatile Substances by Means of Compressed Gases in Countercurrent Processes
1978, 90, 794–798; **1978**, 17, 746–750
- Krabetz*, R., **Peters, C.**
The Function of the Promoters in the Technical Ammonia Catalyst
1965, 77, 333–339; **1965**, 4, 341–347
- Peters*, K. S.**
Time-Resolved Photoacoustic Calorimetry: From Carbenes to Proteins
1994, 106, 301–309; **1994**, 33, 294–302
- Petersen*, H.**
Neue Erkenntnisse in der Aminoplastchemie
1964, 76, 909–919; –
- Masamune*, S., Choy, W., **Petersen, J. S.**, Sita, L. R.
Double Asymmetric Synthesis and a New Strategy for Stereochemical Control in Organic Syntheses
1985, 97, 1–31; **1985**, 24, 1–30
- Petersen*, S.**, Herlinger, H., Tietze, E., Siefken, W.
Syntheses in the 3-Aminoquinazolin-4-one and 3-Aminobenzotriazin-4-one Series
1962, 74, 855–861; **1963**, 2, 24–29
- Wagner, A., Schellhammer, C.-W., **Petersen*, S.**
Aryl- Δ^2 -pyrazolines as Optical Brighteners
1966, 78, 769–774; **1966**, 5, 699–704
- van Boeckel*, C. A. A., **Petitou*, M.**
The Unique Antithrombin III Binding Domain of Heparin: A Lead to New Synthetic Antithrombotics
1993, 105, 1741–1761; **1993**, 32, 1671–1690
- Glemser*, O., Schröder, J., Kleine-Weischede, K., Meyer, B., **Peuschel, G.**, Flügel, R., Velde, D.
Preparation of Carbon Tetrachloride from Phosgene
1963, 75, 823–825; **1963**, 2, 613–615
- Uhlmann*, E., **Peyman, A.**, Breipohl, G., Will, D. W.
PNA: Synthetic Polyamide Nucleic Acids with Unusual Binding Properties
1998, 110, 2954–2983; **1998**, 37, 2796–2823
- Pfeiffer, S.**, Mayer*, Bernd, Hemmens, B.
Nitric Oxide: Chemical Puzzles Posed by a Biological Messenger
1999, 111, 1824–1844; **1999**, 38, 1714–1731
- Bach, H., **Pfeil*, E.**, Philippar, W., Reich, M.
Molekülbau und Haftung substantiver Farbstoffe auf Cellulose
1963, 75, 407–416; –
- Kröhnke*, F., Zecher, W., Curtze, J., Drechsler, D., **Pfleghar, K.**, Schnalke, K. E., Weis, W.
Syntheses Using the Michael Addition of Pyridinium Salts
1962, 74, 811–817; **1962**, 1, 626–632
- Wieland*, T., **Pfleiderer, G.**
Isozymes and Heteroenzymes
1962, 74, 261–270; **1962**, 1, 169–178
- Pfleiderer*, W.**
Recent Developments in the Chemistry of Pteridines
1963, 75, 993–1011; **1964**, 3, 114–132
- Gillespie*, P., Hoffmann, P., Klusacek, H., Marquarding, D., **Pfohl, S.**, Ramirez, F., Tsolis, E. A., Ugi, I.
Non-rigid Molecular Skeletons – Berry Pseudorotation and Turnstile Rotation
1971, 83, 691–721; **1971**, 10, 687–715
- Bach, H., Pfeil*, E., **Philippar, W.**, Reich, M.
Molekülbau und Haftung substantiver Farbstoffe auf Cellulose
1963, 75, 407–416; –
- Philp, D.**, Stoddart*, J. F.
Self-Assembly in Natural and Unnatural Systems
1996, 108, 1242–1286; **1996**, 35, 1154–1196
- Zimmermann*, U., Scheurich, P., **Pilwat, G.**, Benz, R.
Cells with Manipulated Functions: New Perspectives for Cell Biology, Medicine, and Technology
1981, 93, 332–351; **1981**, 20, 325–344
- Pimentel*, G. C.**
Isolation and Reactions of Metal Atoms in Matrices
1975, 87, 220–227; **1975**, 14, 199–206
- Pino*, P.**, Mülhaupt, R.
Stereospecific Polymerization of Propylene: An Outlook 25 Years after Its Discovery
1980, 92, 869–887; **1980**, 19, 857–875
- Simon*, W., Wuhrmann, H.-R., Vašák, M., **Pioda, L. A. R.**, Dohner, R., Štefanac, Z.
Ion-Selective Sensors
1970, 82, 433–443; **1970**, 9, 445–455
- Pitts*, J. N., Jr.**, Finlayson, B. J.
Mechanisms of Photochemical Air Pollution
1975, 87, 18–33; **1975**, 14, 1–15
- Schneider*, F., Möbius, K., **Plato, M.**
The Use of Electron Paramagnetic Resonance in Organic Chemistry
1965, 77, 888–900; **1965**, 4, 856–867
- Plesske*, K.**
Ring Substitutions and Secondary Reactions of Aromatic-Metal π -Complexes
1962, 74, 301–316, 347–352; **1962**, 1, 312–327, 394–399
- Plieninger*, H.**
Prephenic Acid: Properties and the Present Status of its Synthesis
1962, 74, 423–428; **1962**, 1, 367–372

Ploog*, K.

Microscopical Structuring of Solids by Molecular Beam Epitaxy—Spatially Resolved Materials Synthesis
1988, *100*, 611–639; **1988**, *27*, 593–621

Hafner*, K., Häfner, K. H., König, C., Kreuder, M., Ploss, G., Schulz, G., Sturm, E., Vöpel, K. H.
 Fulvenes as Isomers of Benzenoid Compounds
1963, *75*, 35–46; **1963**, *2*, 123–134

Fugmann*, R., Ploss, G.

Possibilities and Limitations of Delegated Literature Searches by Computer
1973, *85*, 978–981; **1973**, *12*, 882–884

Pohl*, F. M.

Cooperative Conformational Changes in Globular Proteins
1972, *84*, 931–944; **1972**, *11*, 894–906

Steinsträsser*, R., Pohl, L.

Chemistry and Applications of Liquid Crystals
1973, *85*, 706–720; **1973**, *12*, 617–630

Esser, P., Pohlmann, B., Scharf*, H.-D.

The Photochemical Synthesis of Fine Chemicals with Sunlight
1994, *106*, 2093–2108; **1994**, *33*, 2009–2023

Fischer*, W., Deierling, B., Heitsch, H., Otto, G., Pohlmann, H.-P., Reinhardt, K.

The Separation of Zirconium and Hafnium by Liquid-Liquid Partition of Their Thiocyanates
1966, *78*, 19–27; **1966**, *5*, 15–23

Polanyi*, J. C.

Some Concepts in Reaction Dynamics (Nobel Lecture)
1987, *99*, 981–1001; **1987**, *26*, 952–971

Poliakoff*, M., Howdle, S. M., Kazarian, S. G.

Vibrational Spectroscopy in Supercritical Fluids: From Analysis and Hydrogen Bonding to Polymers and Synthesis
1995, *107*, 1409–1432; **1995**, *34*, 1275–1295

Schramm*, G., Grötsch, H., Pollmann, W.

Non-Enzymatic Synthesis of Polysaccharides, Nucleosides and Nucleic Acids and the Origin of Self-Reproducing Systems
1962, *74*, 53–59; **1962**, *1*, 1–7

Kutscher*, B., Bernd, M., Beckers, T., Polymeropoulos, E. E., Engel, J. (Frankfurt)

Chemistry and Molecular Biology in the Search for New LHRH Antagonists
1997, *109*, 2240–2254; **1997**, *36*, 2148–2161

König*, K.-H., Pommer, E.-H., Sanne, W.

N-Substituted Tetrahydro-1,4-oxazines – A New Class of Fungicidal Compounds
1965, *77*, 327–333; **1965**, *4*, 336–341

Himmele*, W., Pommer, E.-H.

3-Phenylpropylamines. A New Class of Systemic Fungicides
1980, *92*, 176–181; **1980**, *19*, 184–189

Freyschlag*, H., Grassner, H., Nürrenbach, A., Pommer, H., Reif, W., Sarnecki, W.

Formation and Reactivity of Phosphonium Salts in the Vitamin A Series
1965, *77*, 277–282; **1965**, *4*, 287–291

Pommer*, H.

The Wittig Reaction in Industrial Practice
1977, *89*, 437–443; **1977**, *16*, 423–429

Pope*, M. T., Müller*, A.

Polyoxometalate Chemistry: An Old Field with New Dimensions in Several Disciplines
1991, *103*, 56–70; **1991**, *30*, 34–48

Bader*, R. F. W., Popelier, P. L. A., Keith, T. A.

Theoretical Definition of a Functional Group and the Molecular Orbital Paradigm
1994, *106*, 647–659; **1994**, *33*, 620–631

Pople*, J. A.

Quantum Chemical Models (Nobel Lecture)
1999, *111*, 2014–2023; **1999**, *38*, 1894–1902

Porter*, G.

Die Blitzlichtphotolyse und einige ihrer Anwendungen (Nobel Lecture)
1968, *80*, 882–891; –

Wright*, J. C., Tallant, D. R., Gustafson, F. J., Johnston, M. V., Miller, M. P., Moore, D. S., Porter, L. C., Akse, J. R.

Applications of SEPIL to the Solid State Defect Chemistry of Fluorites and Ultra-Trace Inorganic Analysis
1979, *91*, 765–780; **1979**, *18*, 738–752

Porter*, R. R.

Strukturuntersuchungen an Immunglobulinen (Nobel Lecture)
1973, *85*, 1097–1101; –

Porter, T. H., Folkers*, K.

Antimetabolites of Coenzyme Q. Their Potential Application as Antimalarials
1974, *86*, 635–645; **1974**, *13*, 559–569

Portier*, J.

Solid State Chemistry of Ionic Fluorides
1976, *88*, 524–535; **1976**, *15*, 475–486

Posner*, G. H.

Organic Reactions at Alumina Surfaces
1978, *90*, 527–536; **1978**, *17*, 487–496

Potter*, B. V. L., Lampe, D.

Chemistry of Inositol Lipid Mediated Cellular Signaling
1995, *107*, 2085–2125; **1995**, *34*, 1933–1972

Potter, R. C., Schneider, C., Hummel*, D. O., Ryska, M.

Trends in Radiation Polymerization
1968, *80*, 921–932; **1968**, *7*, 845–856

Powell*, K. A., Ramer, S. W., del Cardayré, S. B., Stemmer, W. P. C., Tobin, M. B., Longchamp, P. F., Huisman, G. W.

Directed Evolution and Biocatalysis
2001, *113*, 4068–4080; **2001**, *40*, 3948–3959

Lozac'h*, N., Goodson, A. L., Powell, W. H.

Nodal Nomenclature I—General Principles
1979, *91*, 951–964; **1979**, *18*, 887–899

Power*, P. P.

Boron-Phosphorus Compounds and Multiple Bonding
1990, *102*, 527–538; **1990**, *29*, 449–460

Jandeleit*, B., Schaefer*, D. J., Powers, T. S., Turner, H. W., Weinberg, W. H.

Combinatorial Materials Science and Catalysis
1999, *111*, 2648–2689; **1999**, *38*, 2494–2532

Poznyak*, A. L., Pavlovski, V. I.

Photochemical Reactions of Ligands in Transition-Metal Complexes
1988, *100*, 812–819; **1988**, *27*, 789–796

Prakash, G. K. S., Rawdah, T. N., Olah*, G. A.

Stable Carbocations
1983, *95*, 356–367; **1983**, *22*, 390–401

Ager*, D. J., Pantaleone, D. P., Henderson, S. A., Katritzky, A. R., Prakash, I., Walters, D. E.

Commercial, Synthetic Nonnutritive Sweeteners
1998, *110*, 1900–1916; **1998**, *37*, 1802–1817

Pratviel, G., Bernadou*, J., Meunier*, B.

Carbon-Hydrogen Bonds of DNA Sugar Units as Targets for Chemical Nucleases and Drugs
1995, *107*, 819–845; **1995**, *34*, 746–769

Prausnitz*, J. M.

Molecular Thermodynamics for Chemical Process Design
1990, *102*, 1286–1295; **1990**, *29*, 1246–1255

Präve*, P.

Utilization of Microbes—Modern Developments in Biological Technology

1977, 89, 211–219; 1977, 16, 205–213

Engelhard*, N., **Prchal, K.**, Nenner, M.

Acetylcholin Esterase

1967, 79, 604–616; 1967, 6, 615–626

Prein, M., Adam*, W.

The Schenck Ene Reaction: Diastereoselective Oxyfunctionalization with Singlet Oxygen in Synthetic Applications

1996, 108, 519–538; 1996, 35, 477–494

Cahn*, R. S., Ingold, C., **Prelog, V.**

Specification of Molecular Chirality

1966, 78, 413–447; 1966, 5, 385–415 (511)

Prelog*, V., Helmchen, G.

Basic Principles of the CIP-System and Proposals for a Revision

1982, 94, 614–631; 1982, 21, 567–583

Seebach*, D., **Prelog, V.**

The Unambiguous Specification of the Steric Course of Asymmetric Syntheses

1982, 94, 696–702; 1982, 21, 654–660

Prelog*, V., Kovačević, M., Egli, M.

Lipophilic Tartaric Acid Esters as Enantioselective Ionophores

1989, 101, 1173–1178; 1989, 28, 1147–1152

Hanson*, J. R., **Premuzic, E.**

The Reduction of Organic Compounds with Chromium(II) Salts

1968, 80, 271–276; 1968, 7, 247–252

Preston*, K., Jr.

Advances in Acoustical Holography

1972, 84, 280–288; 1972, 11, 279–287

Preuss*, H.

Modern Theoretical Views on the Chemical Bond

1965, 77, 666–678; 1965, 4, 660–670

Reichle*, A., **Prietzschk, A.**

Spinnprozeß und Kristallstrukturen von Perlon-Fäden

1962, 74, 562–569; –

Prigogine*, I.

Zeit, Struktur und Fluktuationen (Nobel Lecture)

1978, 90, 704–715; –

Prince*, R. H., Woolley, P. R.

Metal Ion Function in Carbonic Anhydrase

1972, 84, 461–471; 1972, 11, 408–417

Prins, L. J., Reinhoudt, D. N., Timmerman*, P.

Noncovalent Synthesis Using Hydrogen Bonding

2001, 113, 2446–2492; 2001, 40, 2382–2426

Bestian*, H., Clauss, K., Jensen, H., **Prinz, E.**

Low-Temperature Polymerization of Ethylene

1962, 74, 955–965; 1963, 2, 32–41

Prinzbach*, H., Weber, Klaus

From an Insecticide to Plato's Universe—The Pagodane Route to Dodecahedranes: New Pathways and New Perspectives

1994, 106, 2329–2348; 1994, 33, 2239–2257

Prout*, C. K., Wright, J. D.

Observations on the Crystal Structures of Electron Donor–Acceptor Complexes

1968, 80, 688–697; 1968, 7, 659–667

Weygand*, F., **Prox, A.**, Schmidhammer, L., König, W.

Gas-Chromatographic Investigation of Racemization during Peptide Synthesis

1963, 75, 282–287; 1963, 2, 183–188

Wieland*, T., Lüben, G., Ottenheim, H., Faesel, J., de Vries, J. X., Konz, W., **Prox, A.**, Schmid, J.

The Discovery, Isolation, Elucidation of Structure, and Synthesis of Antamanide

1968, 80, 209–213; 1968, 7, 204–208

Przybylski*, M., Glocker, M. O.

Electrospray Mass Spectrometry of Biomacromolecular Complexes with Noncovalent Interactions—New Analytical Perspectives for Supramolecular Chemistry and Molecular Recognition Processes

1996, 108, 878–899; 1996, 35, 806–826

Sleytr*, U. B., Messner, P., **Pum, D.**, Sára, M.

Crystalline Bacterial Cell Surface Layers (S Layers): From Supramolecular Cell Structure to Biomimetics and Nanotechnology

1999, 111, 1098–1120; 1999, 38, 1034–1054

Bönnemann*, H., Grard, C., Kopp, W., **Pump, W.**, Tanaka, K., Wilke, G.

The Allylcobalt System

1973, 85, 1024–1035; 1973, 12, 964–974

Schwochow*, F., **Puppe, L.**

Zeolites—Their Synthesis, Structure, and Applications

1975, 87, 659–667; 1975, 14, 620–628

Pusch*, W., Walch*, A.

Synthetic Membranes—Preparation, Structure, and Application

1982, 94, 670–695; 1982, 21, 660–685

Menzel*, K. H., **Pütter, R.**, Wolfrum, G.

Synthesen und Reaktionen neuer ortho-kondensierter Pyrazoloverbindungen

1962, 74, 839–847; –

Grigat*, E., **Pütter, R.**

Synthesis and Reactions of Cyanic Esters

1967, 79, 219–231; 1967, 6, 206–218



Quack*, M.

Structure and Dynamics of Chiral Molecules

1989, 101, 588–604; 1989, 28, 571–586

Quadbeck-Seeger*, H.-J.

Chemistry for the Future—State of the Art and Perspectives

1990, 102, 1213–1224; 1990, 29, 1177–1188

Hünig*, S., Balli, H., Breiter, E., Brühne, F., Geiger, H.,

Grigat, E., Müller, F., **Quast, H.**

Heterocyclic Azo Dyes by Oxidative Coupling

1962, 74, 818–824; 1962, 1, 640–646

Hünig*, S., Brenninger, W., Geiger, H., Kaupp, G., Kniese, W.,

Lampe, W., **Quast, H.**, Rauschenbach, R. D., Schütz, A.

Sulfonyl Hydrazones of Cyclic Amides and Quaternary Azo

Sulfones of Heterocycles as Reagents in Azo Chemistry

1968, 80, 343–352; 1968, 7, 335–344

Quinkert*, G.

Light-Induced Formation of Acids from Cyclic Ketones

1965, 77, 229–240; 1965, 4, 211–222

Thermally Reversible Photoisomerizations

1972, 84, 1157–1173; 1972, 11, 1072–1087

En Route to Multisurface Chemistry

1975, 87, 851–862; 1975, 14, 790–800

Reflections on an Anniversary of Chemical Synthesis

1978, 90, 503–506; 1978, 17, 473–476

Quinkert*, G., Stark, H.

Stereoselective Synthesis of Enantiomerically Pure Natural Products—Estrone as Example

1983, 95, 651–669; 1983, 22, 637–655



Hoffmann*, H. M. R., **Rabe, J.**

Synthesis and Biological Activity of α -Methylene- γ -butyrolactones

1985, 97, 96–112; **1985**, 24, 94–110

Schlüter*, A. D., **Rabe*, J. P.**

Dendronized Polymers: Synthesis, Characterization, Assembly at Interfaces, and Manipulation

2000, 112, 860–880; **2000**, 39, 864–883

Rabenau*, A.

Chemistry of the Incandescent Lamp

1967, 79, 43–49; **1967**, 6, 68–73

The Role of Hydrothermal Synthesis in Preparative Chemistry

1985, 97, 1017–1032; **1985**, 24, 1026–1040

Rabinovitz*, M., Cohen, Y., Halpern, M.

Hydroxide Ion Initiated Reactions under Phase Transfer Catalysis Conditions: Mechanism and Implications

1986, 98, 958–968; **1986**, 25, 960–970

Harre, M., **Raddatz, P.**, Walenta, R., Winterfeldt*, E.

4-Oxo-2-cyclopentenyl Acetate—A Synthetic Intermediate

1982, 94, 496–508; **1982**, 21, 480–492

Klessinger*, M., **Rademacher, P.**

Conformational Analysis by Photoelectron Spectroscopy

1979, 91, 885–896; **1979**, 18, 826–837

Fischer*, Hanns, **Radom, L.**

Factors Controlling the Addition of Carbon-Centered Radicals to Alkenes—An Experimental and Theoretical Perspective

2001, 113, 1380–1414; **2001**, 40, 1340–1371

Kaim*, W., **Rall, J.**

Copper—A “Modern” Bioelement

1996, 108, 47–64; **1996**, 35, 43–60

Turro*, N. J., McVey, J., **Ramamurthy, V.**, Lechtken, P.

Adiabatic Photoreactions of Organic Molecules

1979, 91, 597–612; **1979**, 18, 572–586

Batey, R. T., **Rambo, R. P.**, Doudna*, J. A.

Tertiary Motifs in RNA Structure and Folding

1999, 111, 2472–2491; **1999**, 38, 2326–2343

Ramdas, S., Thomas*, J. M., Betteridge, P. W., Cheetham, A. K., Davies, E. K.

Modelling the Chemistry of Zeolites by Computer Graphics

1984, 96, 629–637; **1984**, 23, 671–679

Powell*, K. A., **Ramer, S. W.**, del Cardayré, S. B.,

Stemmer, W. P. C., Tobin, M. B., Longchamp, P. F.,

Huisman, G. W.

Directed Evolution and Biocatalysis

2001, 113, 4068–4080; **2001**, 40, 3948–3959

Gillespie*, P., Hoffmann, P., Klusacek, H., Marquarding, D.,

Pfohl, S., **Ramirez, F.**, Tsolis, E. A., Ugi, I.

Non-rigid Molecular Skeletons – Berry Pseudorotation and Turnstile Rotation

1971, 83, 691–721; **1971**, 10, 687–715

Gillespie, P., **Ramirez, F.**, Ugi*, I., Marquarding, D.

Displacement Reactions of Phosphorus(V) Compounds and Their Pentacoordinate Intermediates

1973, 85, 99–127; **1973**, 12, 91–119

Ramos Tombo*, G. M., Belluš*, D.

Chirality and Crop Protection

1991, 103, 1219–1241; **1991**, 30, 1193–1215

Nicolaou*, K. C., **Ramphal, J. Y.**, Petasis, N. A., Serhan*, C. N.

Lipoxins and Related Eicosanoids: Biosynthesis, Biological Properties, and Chemical Synthesis

1991, 103, 1119–1136; **1991**, 30, 1100–1116

Bock*, H., **Ramsey, B. G.**

Photoelectron Spectra of Nonmetal Compounds and Their Interpretation by MO Models

1973, 85, 773–792; **1973**, 12, 734–752

Ramsey*, N. F.

Experiments with Separated Oscillatory Fields and Hydrogen Masers (Nobel Lecture)

1990, 102, 790–798; **1990**, 29, 725–733

Randerath*, K.

Thin-Layer Chromatography of Nucleotides

1962, 74, 484–488; **1962**, 1, 435–439

Rando*, R. R.

The Chemistry of Vitamin A and Vision

1990, 102, 507–526; **1990**, 29, 461–480

Elliott, S. R., **Rao, C. N. R.**, Thomas*, J. M.

The Chemistry of the Noncrystalline State

1986, 98, 31–46; **1986**, 25, 31–46

Cornils*, B., Herrmann, W. A., **Rasch, M.**

Otto Roelen, Pioneer in Industrial Homogeneous Catalysis

1994, 106, 2219–2238; **1994**, 33, 2144–2163

Bažant*, V., Joklík, J., **Rathouský, J.**

Direct Synthesis of Organohalogenosilanes

1968, 80, 133–140; **1968**, 7, 112–120

Marks*, T. J., **Ratner*, M. A.**

Design, Synthesis, and Properties of Molecule-Based Assemblies with Large Second-Order Optical Nonlinearities

1995, 107, 167–187; **1995**, 34, 155–173

Rau*, H.

Spectroscopic Properties of Organic Azo Compounds

1973, 85, 248–258; **1973**, 12, 224–235

Draganjac, M., **Rauchfuss*, T. B.**

Transition Metal Polysulfides: Coordination Compounds with Purely Inorganic Chelate Ligands

1985, 97, 745–760; **1985**, 24, 742–757

Mislow*, K., **Rauk, A.**, Allen, L. C.

Pyramidal Inversion

1970, 82, 453–468; **1970**, 9, 400–414

Bock*, H., Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F.,

Arad, C., Göbel, I., John, A., Meuret, J., Nick, S.,

Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B.

Distorted Molecules: Perturbation Design, Preparation and Structures

1992, 104, 564–595; **1992**, 31, 550–581

Hünig*, S., Brenninger, W., Geiger, H., Kaupp, G., Kniese, W.,

Lampe, W., Quast, H., **Rauschenbach, R. D.**, Schütz, A.

Sulfonyl Hydrazones of Cyclic Amides and Quaternary Azo Sulfones of Heterocycles as Reagents in Azo Chemistry

1968, 80, 343–352; **1968**, 7, 335–344

Prakash, G. K. S., **Rawdah, T. N.**, Olah*, G. A.

Stable Carbocations

1983, 95, 356–367; **1983**, 22, 390–401

Balzani*, V., Credi, A., **Raymo, F. M.**, Stoddart*, J. F.

Artificial Molecular Machines

2000, 112, 3484–3530; **2000**, 39, 3348–3391

Rebek*, J., Jr.

Molecular Recognition with Model Systems

1990, 102, 261–272; **1990**, 29, 245–255

Ree, T. S., **Ree, T.**, Eyring*, H.

Recent Advances in the Theory of Liquids

1965, 77, 993–1000; **1965**, 4, 923–929

- Ree, T. S.**, Ree, T., Eyring*, H.
Recent Advances in the Theory of Liquids
1965, 77, 993–1000; **1965**, 4, 923–929
- Oosterom, G. E., **Reek*, J. N. H.**, Kamer, P. C. J.,
van Leeuwen*, P. W. N. M.
Transition Metal Catalysis Using Functionalized Dendrimers
2001, 113, 1878–1901; **2001**, 40, 1828–1849
- Rees*, D. A.**, Welsh, E. J.
Secondary and Tertiary Structure of Polysaccharides in Solutions and Gels
1977, 89, 228–239; **1977**, 16, 214–224
- Reetz*, M. T.**
Anchimerically Accelerated Bond Homolyses
1979, 91, 185–192; **1979**, 18, 173–180
Lewis Acid Induced α -Alkylation of Carbonyl Compounds
1982, 94, 97–109; **1982**, 21, 96–108
Chelation or Non-Chelation Control in Addition Reactions of Chiral α - and β -Alkoxy Carbonyl Compounds
1984, 96, 542–555; **1984**, 23, 556–569
New Approaches to the Use of Amino Acids as Chiral Building Blocks in Organic Synthesis
1991, 103, 1559–1573; **1991**, 30, 1531–1546
Combinatorial and Evolution-Based Methods in the Creation of Enantioselective Catalysts
2001, 113, 292–320; **2001**, 40, 284–310
- Harteck*, P., **Reeves, R. R.**
Chemical Reactions in the Atmosphere
1962, 74, 1–9; **1962**, 1, 25–32
- Regen*, S. L.**
Triphase Catalysis
1979, 91, 464–472; **1979**, 18, 421–429
- Regitz*, M.**
Transfer of Diazo Groups
1967, 79, 786–801; **1967**, 6, 733–749
Chemistry of Phosphorylcarbenes
1975, 87, 259–268; **1975**, 14, 222–231
- Regitz*, M.**, Binger, P.
Phosphaalkynes—Synthesis, Reactions, Coordination Behavior
1988, 100, 1541–1565; **1988**, 27, 1484–1508
- Rehage*, H.**, Veyssié*, M.
Two-Dimensional Model Networks
1990, 102, 497–506; **1990**, 29, 439–448
- Rehder*, D.**
The Bioinorganic Chemistry of Vanadium
1991, 103, 152–172; **1991**, 30, 148–167
- Rehm*, H.-J.**
Modern Industrial Microbiological Fermentations and Their Effects on Technical Developments
Chem.-Ing.-Tech. **1970**, 42, 580–589; **1970**, 9, 936–945
- Bach, H., Pfeil*, E., Philippar, W., **Reich, M.**
Molekülbau und Haftung substantiver Farbstoffe auf Cellulose
1963, 75, 407–416; –
- Reich*, S.**
Photodielectric Polymers for Holographic Use
1977, 89, 467–474; **1977**, 16, 441–448
- Reichardt*, C.**
Empirical Parameters of the Polarity of Solvents
1965, 77, 30–40; **1965**, 4, 29–40
- Reichardt*, C.**, Halbritter, K.
Preparation, Structure, and Reactions of Halomalondialdehydes
1975, 87, 124–132; **1975**, 14, 86–94
- Reichardt*, C.**
Empirical Parameters of Solvent Polarity as Linear Free-Energy Relationships
1979, 91, 119–131; **1979**, 18, 98–110
- Reichelt*, W.**
Production and Condensation of Metal Vapors in Large Quantities
1975, 87, 239–244; **1975**, 14, 218–222
- Ahlers, M., Müller, W., **Reichert*, A.**, Ringsdorf*, H., Venzmer, J.
Specific Interactions of Proteins with Functional Lipid Monolayers—Ways of Simulating Biomembrane Processes
1990, 102, 1310–1327; **1990**, 29, 1269–1285
- Reichert*, D.**
Toxication of Foreign Substances by Conjugation Reactions
1981, 93, 135–142; **1981**, 20, 135–142
- Reichle*, A.**, Prietzschk, A.
Spinnprozeß und Kristallstrukturen von Perlon-Fäden
1962, 74, 562–569; –
- Reichner*, K.**, Habicht, H., Härtel, K., Emmel, L.
Ester des 4,6-Dinitro-2-sec.butylphenols als Pflanzenschutzmittel
1962, 74, 994–998; –
- Reichstein*, T.**
Special Properties of the Sugars in Cardioactive Glycosides
1962, 74, 887–894; **1962**, 1, 572–579
- Freyschlag*, H., Grassner, H., Nürenbach, A., Pommer, H.,
Reif, W., Sarnecki, W.
Formation and Reactivity of Phosphonium Salts in the Vitamin A Series
1965, 77, 277–282; **1965**, 4, 287–291
- Wittig*, G., **Reiff, H.**
Directed Aldol Condensations
1968, 80, 8–15; **1968**, 7, 7–14
- Reimschuessel*, H. K.**
Isomerization Polymerization of Lactams
1975, 87, 43–52; **1975**, 14, 43–51
- Reinemer, P.**, Sebald, W., Duschl*, A.
The Interleukin-4-Receptor: From Recognition Mechanism to Pharmacological Target Structure
2000, 112, 2954–2966; **2000**, 39, 2834–2846
- Reinen*, D.**
Application of Ligand Field Spectroscopy to Problems of Chemical Bonding in Solids
1971, 83, 991–999; **1971**, 10, 901–909
- Fischer*, W., Deierling, B., Heitsch, H., Otto, G., Pohlmann, H.-P.,
Reinhardt, K.
The Separation of Zirconium and Hafnium by Liquid-Liquid Partition of Their Thiocyanates
1966, 78, 19–27; **1966**, 5, 15–23
- Prins, L. J., **Reinhoudt, D. N.**, Timmerman*, P.
Noncovalent Synthesis Using Hydrogen Bonding
2001, 113, 2446–2492; **2001**, 40, 2382–2426
- Kastning*, E.-G., Naarmann, H., **Reis, H.**, Berding, C.
Metal Chelates as Polymerization Initiators
1965, 77, 313–318; **1965**, 4, 322–327
- Bittler*, K., von Kutepow, N., Neubauer, D., **Reis, H.**
Carbonylation of Olefins under Mild Temperature Conditions in the Presence of Palladium Complexes
1968, 80, 352–359; **1968**, 7, 329–335
- Reiser*, A.**, Shih, H.-Y., Yeh, T.-F., Huang, J.-P.
Novolak-Diazoquinone Resists: The Imaging Systems of the Computer Chip
1996, 108, 2610–2622; **1996**, 35, 2428–2440
- Vohler*, O., **Reiser, P.-L.**, Martina, R., Overhoff, D.
New Forms of Carbon
1970, 82, 401–412; **1970**, 9, 414–425
- Sumper, M., **Reitmeier, H.**, Oesterhelt*, D.
Biosynthesis of the Purple Membrane of Halobacteria
1976, 88, 203–210; **1976**, 15, 187–194

- Ugi*, I., Bauer, J., Bley, K., Dengler, A., Dietz, A., Fontain, E., Gruber, B., Herges, R., Knauer, M., **Reitsam, K.**, Stein, N. Computer-Assisted Solution of Chemical Problems—The Historical Development and the Present State of the Art of a New Discipline of Chemistry **1993**, *105*, 210–239; **1993**, *32*, 201–227
- Fasold*, H., Klappenberger, J., Meyer, C., **Rembold, H.** Bifunctional Reagents for the Crosslinking of Proteins **1971**, *83*, 875–882; **1971**, *10*, 795–801
- Rembold*, H.**, Gyure, W. L. Biochemistry of the Pteridines **1972**, *84*, 1088–1099; **1972**, *11*, 1061–1072
- Remy*, H.** Die neue Atomgewichtstabelle **1962**, *74*, 69–74; –
- Renaud*, P.**, Gerster, M. Use of Lewis Acids in Free Radical Reactions **1998**, *110*, 2704–2722; **1998**, *37*, 2562–2579
- Renger*, G.** Biological Exploitation of Solar Energy by Photosynthetic Water Splitting **1987**, *99*, 660–678; **1987**, *26*, 643–660
- Repke*, K. R. H.**, Megges, R., Weiland, J., Schön, R. Digitalis Research in Berlin—Buch—Retrospective and Perspective Views **1995**, *107*, 308–321; **1995**, *34*, 282–294
- Reppe*, W.**, von Kutepow, N., Magin, A. Cyclization of Acetylenic Compounds **1969**, *81*, 717–723; **1969**, *8*, 727–733
- Scharf*, H.-D., Fleischhauer, J., Leismann, H., **Ressler, I.**, Schleker, W., Weitz, R. Criteria for the Efficiency, Stability, and Capacity of Abiotic Photochemical Solar Energy Storage Systems **1979**, *91*, 696–707; **1979**, *18*, 652–662
- Rétey*, J.** Enzymic Reaction Selectivity by Negative Catalysis or How Do Enzymes Deal with Highly Reactive Intermediates? **1990**, *102*, 373–379; **1990**, *29*, 355–361
- Rettig*, W.** Charge Separation in Excited States of Decoupled Systems—TICT Compounds and Implications Regarding the Development of New Laser Dyes and the Primary Processes of Vision and Photosynthesis **1986**, *98*, 969–986; **1986**, *25*, 971–988
- Müller*, A., **Reuter*, H.**, Dillinger, S. Supramolecular Inorganic Chemistry: Small Guests in Small and Large Hosts **1995**, *107*, 2505–2539; **1995**, *34*, 2328–2361
- Sprague*, B. S., Greene, H. E., **Reuter, L. F.**, Smith, R. D. Copolymers and Fibers from Vinylidenedicarbonitrile **1962**, *74*, 545–550; **1962**, *1*, 425–430
- Santini*, J. T., Jr., **Richards, A. C.**, Scheidt, R., Cima*, M. J., Langer*, R. Microchips as Controlled Drug-Delivery Devices **2000**, *112*, 2486–2498; **2000**, *39*, 2396–2407
- Richardson*, J. P.** Biosynthesis of Ribonucleic Acids **1975**, *87*, 497–504; **1975**, *14*, 445–452
- Richter, W. J., **Richter, B.**, Ruch*, E. Semiempirical Use of Chirality Functions for the Description of the Optical Activity of Methane Derivatives in the Transparent Region **1973**, *85*, 21–27; **1973**, *12*, 30–36
- Richter*, J.** Equilibrium and Transport Properties of Low-Melting Salts **1974**, *86*, 467–475; **1974**, *13*, 438–445
- Bröll*, D., Kaul, C., Krämer, A., Krammer, P., **Richter, T.**, Jung, M., Vogel*, H., Zehner, P. Chemistry in Supercritical Water **1999**, *111*, 3180–3196; **1999**, *38*, 2998–3014
- Richter, W. J.**, Richter, B., Ruch*, E. Semiempirical Use of Chirality Functions for the Description of the Optical Activity of Methane Derivatives in the Transparent Region **1973**, *85*, 21–27; **1973**, *12*, 30–36
- Richter, W. J.**, Schwarz*, H. Chemical Ionization—A Mass-Spectrometric Analytical Procedure of Rapidly Increasing Importance **1978**, *90*, 449–469; **1978**, *17*, 424–439
- Rickert*, H.** Solid Ionic Conductors: Principles and Applications **1978**, *90*, 38–48; **1978**, *17*, 37–46
- Katritzky*, A. R., Patel, R. C., **Riddell, F. G.** *N*-Methyl Inversion Barriers in Six-Membered Rings **1981**, *93*, 567–575; **1981**, *20*, 521–529
- Ried*, W.** Äthinylierungsreaktionen **1964**, *76*, 933–944, 973–981; –
- Ried*, W.**, Freitag, D. Oligophenyls, Oligophenylenes, and Polyphenyls, a Class of Thermally Very Stable Compounds **1968**, *80*, 932–942; **1968**, *7*, 835–844
- Ried*, W.**, Schmidt, A. H. The Chemistry of Phenylcyclobutenediones **1972**, *84*, 1048–1060; **1972**, *11*, 997–1009
- Heymann*, K., **Riedel, W.**, Woldt, G. Electroplating of Plastics in Theory and Practice **1970**, *82*, 412–421; **1970**, *9*, 425–433
- Brintzinger*, H. H., Fischer, D., Mülhaupt, R., **Rieger, B.**, Waymouth, R. M. Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts **1995**, *107*, 1255–1283; **1995**, *34*, 1143–1170
- Horn, D., **Rieger*, J.** Organic Nanoparticles in the Aqueous Phase—Theory, Experiment, and Use **2001**, *113*, 4460–4492; **2001**, *40*, 4330–4361
- Müller*, E., **Rieker, A.**, Scheffler, K., Moosmayer, A. Applications and Limitations of Magnetic Methods in Free-Radical Chemistry **1966**, *78*, 98–107; **1966**, *5*, 6–15
- Doelle, H.-J., **Riekert*, L.** Kinetics of Sorption, Desorption, and Diffusion in Zeolites **1979**, *91*, 309–316; **1979**, *18*, 266–272
- Wallenfels*, K., Friedrich, K., **Rieser, J.**, Ertel, W., Thieme, H. K. The Analogy between O and C(CN)₂ **1976**, *88*, 311–320; **1976**, *15*, 261–270
- Gross, H. J., **Riesner*, D.** Viroids: A Class of Subviral Pathogens **1980**, *92*, 233–245; **1980**, *19*, 231–243
- Riess*, J. G.**, Le Blanc, M. Perfluoro Compounds as Blood Substitutes **1978**, *90*, 654–668; **1978**, *17*, 621–634
- Ring*, K.** Some Aspects of the Active Transport of Amino Acids **1970**, *82*, 343–355; **1970**, *9*, 345–356
- Gros, L., **Ringsdorf*, H.**, Schupp, H. Polymeric Antitumor Agents on a Molecular and on a Cellular Level? **1981**, *93*, 311–332; **1981**, *20*, 305–325

- Ringsdorf*, H.**, Schlarb, B., Venzmer, J.
Molecular Architecture and Function of Polymeric Oriented Systems: Models for the Study of Organization, Surface Recognition, and Dynamics of Biomembranes
1988, *100*, 117–162; **1988**, *27*, 113–158
- Ahlers, M., Müller, W., Reichert, A., **Ringsdorf*, H.**, Venzmer, J.
Specific Interactions of Proteins with Functional Lipid Monolayers—Ways of Simulating Biomembrane Processes
1990, *102*, 1310–1327; **1990**, *29*, 1269–1285
- Rinke*, H.**
Elastomeric Fibers Based on Polyurethanes
1962, *74*, 612–617; **1962**, *1*, 419–424
- Arend, M., Westermann, B., **Risch*, N.**
Modern Variants of the Mannich Reaction
1998, *110*, 1096–1122; **1998**, *37*, 1044–1070
- Ritschel*, W. A.**
Sorption Promotors in Biopharmaceutics
1969, *81*, 757–769; **1969**, *8*, 699–710
- Birkofer*, L., **Ritter, A.**
The Use of Silylation in Organic Syntheses
1965, *77*, 414–426; **1965**, *4*, 417–429
- Bogdanović*, B., **Ritter, A.**, Spliethoff, B.
Active MgH_2 -Mg Systems for Reversible Chemical Energy Storage
1990, *102*, 239–250; **1990**, *29*, 223–234
- Ritter, T. K.**, Wong*, C.-H.
Carbohydrate-Based Antibiotics: A New Approach to Tackling the Problem of Resistance
2001, *113*, 3616–3641; **2001**, *40*, 3508–3533
- Carrea*, G., **Riva*, S.**
Properties and Synthetic Applications of Enzymes in Organic Solvents
2000, *112*, 2312–2341; **2000**, *39*, 2226–2254
- Roberts*, J. D.**
Some Illustrative Applications of NMR spectroscopy
1963, *75*, 20–27; **1963**, *2*, 53–59
- Roberts*, R. J.**
An Amazing Distortion in DNA Induced by a Methyltransferase (Nobel Lecture)
1994, *106*, 1285–1291; **1994**, *33*, 1222–1228
- Gillespie*, R. J., **Robinson*, E. A.**
Electron Domains and the VSEPR Model of Molecular Geometry
1996, *108*, 539–560; **1996**, *35*, 495–514
- Conia*, J. M., **Robson, M. J.**
Ring Contractions and Expansions of Vicinally Disubstituted Cyclobutanes and Cyclopropylmethyl Compounds
1975, *87*, 505–516; **1975**, *14*, 473–485
- Batten, S. R., **Robson*, R.**
Interpenetrating Nets: Ordered, Periodic Entanglement
1998, *110*, 1558–1595; **1998**, *37*, 1460–1494
- Rochlitz*, F.**, Vilček, H.
 β -Chloroethanephosphonic Dichloride: Its Synthesis and Use
1962, *74*, 970–974; **1962**, *1*, 652–656
- Rodbell*, M.**
Signal Transduction: Evolution of an Idea (Nobel Lecture)
1995, *107*, 1549–1558; **1995**, *34*, 1420–1428
- Roesky*, H. W.**
Structure and Bonding in Cyclic Sulfur-Nitrogen Compounds
1979, *91*, 112–118; **1979**, *18*, 91–97
- Cammann*, K., Lemke, U., **Rohen, A.**, Sander, J., Wilken, H., Winter, B.
Chemical Sensors and Biosensors—Principles and Applications
1991, *103*, 519–541; **1991**, *30*, 516–539
- Wulff*, G., **Röhle, G.**
Results and Problems of *O*-Glycoside Synthesis
1974, *86*, 173–187; **1974**, *13*, 157–170
- Binnig*, G., **Rohrer*, H.**
Scanning Tunneling Microscopy—From Birth to Adolescence (Nobel Lecture)
1987, *99*, 622–631; **1987**, *26*, 606–614
- Gambaryan, N. P., **Rokhlin, E. M.**, Zeifman, Yu. V., Ching-Yun, C., Knunyants*, I. L.
Reactions of the Carbonyl Group in Fluorinated Ketones
1966, *78*, 1008–1017; **1966**, *5*, 947–956
- Jüstel*, T., Nikol*, H., **Ronda*, C.**
New Developments in the Field of Luminescent Materials for Lighting and Displays
1998, *110*, 3250–3271; **1998**, *37*, 3084–3103
- Nicolaou*, K. C., **Roschänger, F.**, Vourloumis, D.
Chemical Biology of Epothilones
1998, *110*, 2120–2153; **1998**, *37*, 2014–2045
- Rosen, M. K.**, Schreiber*, S. L.
Natural Products as Probes of Cellular Function: Studies of Immunophilins
1992, *104*, 413–430; **1992**, *31*, 384–400
- Barker*, B. J., **Rosenfarb, J.**, Caruso, J. A.
Ureas as Solvents for Chemical Investigations
1979, *91*, 560–564; **1979**, *18*, 503–507
- Heine*, H.-G., **Rosenkranz, H.-J.**, Rudolph, H.
Aromatic Keto Compounds as Initiators in Photopolymerizations
1972, *84*, 1032–1036; **1972**, *11*, 974–978
- Metiu, H., **Ross, J.**, Whitesides*, G. M.
A Basis for Orbital Symmetry Rules
1979, *91*, 363–379; **1979**, *18*, 377–392
- Vögtle*, F., **Rossa, L.**
Pyrolysis of Sulfones as a Synthetic Method
1979, *91*, 534–549; **1979**, *18*, 515–529
- Nissen, D., **Roszbach, V.**, Zahn*, H.
Chemical Analysis of Synthetic Fibers
1973, *85*, 691–706; **1973**, *12*, 602–617
- Roszbach*, V.**
Analysis of Low Molecular Weight Homologues of Fiber-Forming Polycondensates
1981, *93*, 866–875; **1981**, *20*, 831–840
- Roth*, H. D.**
The Beginnings of Organic Photochemistry
1989, *101*, 1220–1234; **1989**, *28*, 1193–1207
- Doering*, W. von E., **Roth, W. R.**
Thermal Rearrangements
1963, *75*, 27–35; **1963**, *2*, 115–122
- Röttger, D.**, Erker*, G.
Compounds Containing Planar-Tetra-coordinate Carbon
1997, *109*, 840–856; **1997**, *36*, 812–827
- Salem*, L., **Rowland, C.**
The Electronic Properties of Diradicals
1972, *84*, 86–106; **1972**, *11*, 92–111
- Rowland, F. S.**, Schmidt-Bleek*, F.
Recoil Reactions of Tritium with Organic Compounds
1964, *76*, 901–908; **1964**, *3*, 769–776
- Rowland*, F. S.**
Stratospheric Ozone Depletion by Chlorofluorocarbons (Nobel Lecture)
1996, *108*, 1908–1921; **1996**, *35*, 1786–1798
- Willner*, I., **Rubin, S.**
Control of the Structure and Functions of Biomaterials by Light
1996, *108*, 419–439; **1996**, *35*, 367–385
- Diederich*, F., **Rubin, Y.**
Synthetic Approaches toward Molecular and Polymeric Carbon Allotropes
1992, *104*, 1123–1146; **1992**, *31*, 1101–1123

- Ruch*, E.**, Runge, W., Kresze, G.
Semiempirical Use of Chirality Functions for the Description of the Optical Activity of Allene Derivatives in the Transparent Region
1973, 85, 10–15; **1973**, 12, 20–25
- Anders, E., **Ruch, E.**, Ugi*, I.
The Stereoselective Acylation of Racemic Secondary Alcohols with Phenyltrifluoromethylketene as an Experimental Test of the Stereochemical Analogy Model
1973, 85, 16–20; **1973**, 12, 25–29
- Richter, W. J., Richter, B., **Ruch*, E.**
Semiempirical Use of Chirality Functions for the Description of the Optical Activity of Methane Derivatives in the Transparent Region
1973, 85, 21–27; **1973**, 12, 30–36
- Ruch*, E.**
Chiral Derivatives of Achiral Molecules: Standard Classes and the Problem of a Right-Left Classification
1977, 89, 67–75; **1977**, 16, 65–72
- Rüchardt*, C.**
Relations between Structure and Reactivity in Free-Radical Chemistry
1970, 82, 845–858; **1970**, 9, 830–843
- Rüchardt*, C.**, Beckhaus, H.-D.
Towards an Understanding of the Carbon-Carbon Bond
1980, 92, 417–429; **1980**, 19, 429–440
Consequences of Strain for the Structure of Aliphatic Molecules
1985, 97, 531–540; **1985**, 24, 529–538
- Rüchardt*, C.**, Meier, M., Haaf, K., Pakusch, J., Wolber, E. K. A., Müller, B.
The Isocyanide–Cyanide Rearrangement; Mechanism and Preparative Applications
1991, 103, 907–915; **1991**, 30, 893–901
- Rüchardt*, C.**, Gerst, M., Ebenhoch, J.
Uncatalyzed Transfer Hydrogenation and Transfer Hydrogenolysis: Two Novel Types of Hydrogen-Transfer Reactions
1997, 109, 1474–1498; **1997**, 36, 1406–1430
- Kunz*, H., **Rück, K.**
Carbohydrates as Chiral Auxiliaries in Stereoselective Synthesis
1993, 105, 355–377; **1993**, 32, 336–358
- Ruck*, M.**
From the Metal to the Molecule—Ternary Bismuth Subhalides
2001, 113, 1222–1234; **2001**, 40, 1182–1193
- Rücker*, G.**
Sesquiterpenes
1973, 85, 895–907; **1973**, 12, 793–806
- Rüde*, E.**
Structure and Immunogenicity of Synthetic Antigens
1970, 82, 202–216; **1970**, 9, 206–219
- Rüdiger*, W.**
Recent Chemistry and Biochemistry of Bile Pigments
1970, 82, 527–534; **1970**, 9, 473–480
- Rüdiger*, W.**, Thümmel, F.
Phytochrome, the Visual Pigment of Plants
1991, 103, 1242–1254; **1991**, 30, 1216–1228
- Heine*, H.-G., Rosenkranz, H.-J., **Rudolph, H.**
Aromatic Keto Compounds as Initiators in Photopolymerizations
1972, 84, 1032–1036; **1972**, 11, 974–978
- Zimmermann*, H., **Rudolph, J.**
Protonic States and the Mechanism of Acid-Catalysed Esterification
1965, 77, 65–74; **1965**, 4, 40–49
- Rüdorff*, W.**, Stumpp, E., Spriessler, W., Siecke, F. W.
Reactions of Graphite with Metal Chlorides
1963, 75, 130–136; **1963**, 2, 67–73
- Benn*, R., **Rufińska, A.**
High-Resolution Metal-NMR Spectroscopy of Organometallic Compounds
1986, 98, 851–871; **1986**, 25, 861–881
- Rüger*, W.**
Transcription of Genetic Information and Its Regulation by Protein Factors
1972, 84, 961–972; **1972**, 11, 883–893
- Witt*, H. T., **Rumberg, B.**, Schmidt-Mende, P., Siggel, U., Skerra, B., Vater, J., Weikard, J.
On the Analysis of Photosynthesis by Flashlight Techniques
1965, 77, 821–842; **1965**, 4, 799–819
- Ruch*, E., **Runge, W.**, Kresze, G.
Semiempirical Use of Chirality Functions for the Description of the Optical Activity of Allene Derivatives in the Transparent Region
1973, 85, 10–15; **1973**, 12, 20–25
- Herrmann*, W. A., Huber, N. W., **Runte, O.**
Volatile Metal Alkoxides according to the Concept of Donor Functionalization
1995, 107, 2371–2390; **1995**, 34, 2187–2206
- Appel*, R., Knoll, F., **Ruppert, I.**
Phospha-alkenes and Phospha-alkynes, Genesis and Properties of the (p-p) π -Multiple Bond
1981, 93, 771–784; **1981**, 20, 731–744
- Bock*, H., **Ruppert, K.**, Näther, C., Havlas, Z., Herrmann, H.-F., Arad, C., Göbel, I., John, A., Meuret, J., Nick, S., Rauschenbach, A., Seitz, W., Vaupel, T., Solouki, B.
Distorted Molecules: Perturbation Design, Preparation and Structures
1992, 104, 564–595; **1992**, 31, 550–581
- Biermann, U., Friedt, W., Lang, S., Lühs, W., Machmüller, G., Metzger*, J. O., **Rüsch gen. Klaas, M.**, Schäfer, H. J., Schneider, M. P.
New Syntheses with Oils and Fats as Renewable Raw Materials for the Chemical Industry
2000, 112, 2292–2310; **2000**, 39, 2206–2224
- Ruska*, E.**
The Development of the Electron Microscope and of Electron Microscopy (Nobel Lecture)
1987, 99, 611–621; **1987**, 26, 595–605
- Paver, M. A., **Russell, C. A.**, Wright*, D. S.
Structure and Bonding in Organometallic Anions of Heavy Group 14 and 15 Elements
1995, 107, 1679–1688; **1995**, 34, 1545–1554
- Bücher*, T., **Rüssmann, W.**
Equilibrium and Nonequilibrium in the Glycolysis System
1963, 75, 881–893; **1964**, 3, 426–439
- Ryabov*, A. D.**
The Biochemical Reactions of Organometallics with Enzymes and Proteins
1991, 103, 945–955; **1991**, 30, 931–941
- Rybtchinski, B.**, Milstein*, D.
Metal Insertion into C–C Bonds in Solution
1999, 111, 918–932; **1999**, 38, 870–883
- Rys*, P.**, Skrabal, P., Zollinger, H.
Structure and Stereochemistry of the Transition States and Intermediates of Heterolytic Aromatic Substitutions
1972, 84, 921–930; **1972**, 11, 874–883
- Rys*, P.**
The Selectivity of Chemical Reactions Disguised by Diffusion. Chemical Selectivity Disguised by Mixing
1977, 89, 847–857; **1977**, 16, 807–817
- Potter, R. C., Schneider, C., Hummel*, D. O., **Ryska, M.**
Trends in Radiation Polymerization
1968, 80, 921–932; **1968**, 7, 845–856

Ryu*, I., Sonoda, N.

Free-Radical Carbonylations: Then and Now

1996, *108*, 1140–1157; **1996**, *35*, 1050–1066



Smidt*, J., Hafner, W., Jira, R., Sieber, R., Sedlmeier, J., **Sabel, A.**

The Oxidation of Olefins with Palladium Chloride Catalysts

1962, *74*, 93–102; **1962**, *1*, 80–88

Di Vaira, M., **Sacconi*, L.**

Transition Metal Complexes with *cyclo*-Triphosphorus ($\eta^3\text{-P}_3$) and *tetrahedro*-Tetraphosphorus ($\eta^4\text{-P}_4$) Ligands

1982, *94*, 338–351; **1982**, *21*, 330–342

Sachtler*, W. M. H.

Studies on the Adsorption of Gases on Clean Metal Surfaces with the Aid of Field-Emission and Field-Ion Microscope Techniques

1968, *80*, 673–687; **1968**, *7*, 668–681

Guo, Z., **Sadler*, P. J.**

Metals in Medicine

1999, *111*, 1610–1630; **1999**, *38*, 1512–1531

Sadron*, C.

Macromolecules with Non-uniform Solubilities – Heterogels and Heteropolymers

1963, *75*, 472–475; **1963**, *2*, 248–250

Saegusa*, T.

Spontaneous Alternating Copolymerization via Zwitterion Intermediates

1977, *89*, 867–875; **1977**, *16*, 826–835

Saenger*, W.

Structure and Function of Nucleosides and Nucleotides

1973, *85*, 680–690; **1973**, *12*, 591–601

Cyclodextrin Inclusion Compounds in Research and Industry

1980, *92*, 343–361; **1980**, *19*, 344–362

Pace, C. N., Heinemann, U., Hahn, U., **Saenger*, W.**

Ribonuclease T1: Structure, Function, and Stability

1991, *103*, 351–369; **1991**, *30*, 343–360

Saenger*, W., Orth, P., Kisker, C., Hillen, W., Hinrichs, W.

The Tetracycline Repressor—A Paradigm for a Biological Switch

2000, *112*, 2122–2133; **2000**, *39*, 2042–2052

Saier*, H.-D., Strathmann, H.

Asymmetric Membranes: Preparation and Applications

1975, *87*, 476–483; **1975**, *14*, 457–459

Deutscher*, J., **Saier, M. H., Jr.**

Protein Phosphorylation in Bacteria—Regulation of Gene Expression, Transport Functions, and Metabolic Processes

1988, *100*, 1072–1082; **1988**, *27*, 1040–1049

Sakmann*, B.

Elementary Steps in Synaptic Transmission Revealed by Currents through Single Ion Channels (Nobel Lecture)

1992, *104*, 844–856; **1992**, *31*, 830–841

Salem*, L., Rowland, C.

The Electronic Properties of Diradicals

1972, *84*, 86–106; **1972**, *11*, 92–111

Dobson*, C. M., **Šali, A.**, Karplus*, M.

Protein Folding: A Perspective from Theory and Experiment

1998, *110*, 908–935; **1998**, *37*, 868–893

Samuelsson*, B.

The Prostaglandins

1965, *77*, 445–452; **1965**, *4*, 410–416

The Leukotrienes, Highly Biologically Active Substances Involved in Allergy and Inflammation

1982, *94*, 881–889; **1982**, *21*, 902–910

From Studies of Biochemical Mechanism to Novel Biological Mediators: Prostaglandin Endoperoxides, Thromboxanes, and Leukotrienes (Nobel Lecture)

1983, *95*, 854–864; **1983**, *22*, 805–815

Luck*, W., **Sand, H.**

The Phenomenon of Phototropy

1964, *76*, 463–473; **1964**, *3*, 570–580

James, T. D., **Sandanayake, K. R. A. S.**, Shinkai*, S.

Saccharide Sensing with Molecular Receptors Based on Boronic Acid

1996, *108*, 2038–2050; **1996**, *35*, 1910–1922

Cammann*, K., Lemke, U., Rohen, A., **Sander, J.**, Wilken, H., Winter, B.

Chemical Sensors and Biosensors—Principles and Applications

1991, *103*, 519–541; **1991**, *30*, 516–539

Sander*, W.

Carbonyl Oxides: Zwitterions or Diradicals?

1990, *102*, 362–372; **1990**, *29*, 344–354

Sandhoff*, K.

The Biochemistry of Sphingolipid Storage Diseases

1977, *89*, 283–295; **1977**, *16*, 273–285

Kolter*, T., **Sandhoff*, K.**

Sphingolipids—Their Metabolic Pathways and the Pathobiology of Neurodegenerative Diseases

1999, *111*, 1632–1670; **1999**, *38*, 1532–1568

Sanger*, F.

Bestimmung von Nucleotidsequenzen der DNA (Nobel Lecture)

1981, *93*, 937–944; –

Hartmann*, A., **Sangmeister, E.**

The Study of Prehistoric Metallurgy

1972, *84*, 668–678; **1972**, *11*, 620–629

Sanne*, W., Schlichting, O.

Herstellung und Reaktionen des Cyclooctatriens

1963, *75*, 156–161; –

König*, K.-H., Pommer, E.-H., **Sanne, W.**

N-Substituted Tetrahydro-1,4-oxazines – A New Class of Fungicidal Compounds

1965, *77*, 327–333; **1965**, *4*, 336–341

Overberger*, C. G., **Sannes, K. N.**

Polymers as Reagents in Organic Synthesis

1974, *86*, 139–145; **1974**, *13*, 99–104

Santini*, J. T., Jr., Richards, A. C., Scheidt, R., Cima*, M. J., Langer*, R.

Microchips as Controlled Drug-Delivery Devices

2000, *112*, 2486–2498; **2000**, *39*, 2396–2407

Boehm*, H.-P., Diehl, E., Heck, W., **Sappok, R.**

Surface Oxides of Carbon

1964, *76*, 743–751; **1964**, *3*, 669–677

Sleytr*, U. B., Messner, P., Pum, D., **Sára, M.**

Crystalline Bacterial Cell Surface Layers (S Layers): From Supramolecular Cell Structure to Biomimetics and Nanotechnology

1999, *111*, 1098–1120; **1999**, *38*, 1034–1054

Sarel*, S., Yovell, J., Sarel-Imber, M.

Recent Developments in the Stereochemistry of Cyclopropane Ring Opening

1968, *80*, 592–603; **1968**, *7*, 577–588

Sarel*, S., Yovell, J., **Sarel-Imber, M.**

Recent Developments in the Stereochemistry of Cyclopropane Ring Opening

1968, *80*, 592–603; **1968**, *7*, 577–588

Freyschlag*, H., Grassner, H., Nürenbach, A., Pommer, H., Reif, W., **Sarnecki, W.**

Formation and Reactivity of Phosphonium Salts in the Vitamin A Series

1965, *77*, 277–282; **1965**, *4*, 287–291

- Shibasaki*, M., **Sasai, H.**, Arai, T.
Asymmetric Catalysis with Heterobimetallic Compounds
1997, *109*, 1290–1311; **1997**, *36*, 1236–1256
- Kleb*, K. G., Siegel, E., **Sasse, K.**
New Reactive Dyes
1964, *76*, 423–431; **1964**, *3*, 408–416
- Sasse*, K.**
Chemical Plant Protection—Past, Present, and Future
1972, *84*, 271–279; **1972**, *11*, 260–267
- Green*, M. M., Park, J.-W., **Sato, T.**, Teramoto, A., Lifson, S., Selinger, R. L. B., Selinger, J. V.
The Macromolecular Route to Chiral Amplification
1999, *111*, 3328–3345; **1999**, *38*, 3138–3154
- Sauer*, G.**
Methods of Virus Formation
1970, *82*, 723–729; **1970**, *9*, 663–669
- Sauer*, J.**
Diels-Alder Reactions
1966, *78*, 233–252; **1966**, *5*, 211–230
Diels-Alder Reactions
1967, *79*, 76–94; **1967**, *6*, 16–33
- Sauer*, J.**, Sustmann, R.
Mechanistic Aspects of Diels-Alder Reactions: A Critical Survey
1980, *92*, 773–801; **1980**, *19*, 779–807
- Saupe*, A.**
Recent Results in the Field of Liquid Crystals
1968, *80*, 99–115; **1968**, *7*, 97–112
- Staab*, H. A., **Saupe, T.**
“Proton Sponges” and the Geometry of Hydrogen Bonds: Aromatic Nitrogen Bases with Exceptional Basicities
1988, *100*, 895–909; **1988**, *27*, 865–879
- Asinger*, F., Schäfer, W., Halcour, K., **Saus, A.**, Triem, H.
The Course of the Willgerodt–Kindler Reaction of Alkyl Aryl Ketones
1963, *75*, 1050–1059; **1964**, *3*, 19–28
- Sauter*, H.**, Steglich, W., Anke, T.
Strobilurins: Evolution of a New Class of Active Substances
1999, *111*, 1416–1438; **1999**, *38*, 1328–1349
- Saville*, B.**
The Concept of Hard and Soft Acids and Bases as Applied to Multi-Center Chemical Reactions
1967, *79*, 966–977; **1967**, *6*, 928–939
- Savin*, A.**, Nesper*, R., Wengert, S., Fässler, T. F.
ELF: The Electron Localization Function
1997, *109*, 1892–1918; **1997**, *36*, 1808–1832
- Ulrich*, H., **Sayigh, A. A. R.**
Synthesis of Isocyanates and Carbodiimides
1966, *78*, 761–769; **1966**, *5*, 704–712
- Merkx, M., Kopp, D. A., **Sazinsky, M. H.**, Blazyk, J. L., Müller, Jens, Lippard*, S. J.
Dioxygen Activation and Methane Hydroxylation by Soluble Methane Monooxygenase: A Tale of Two Irons and Three Proteins
2001, *113*, 2860–2888; **2001**, *40*, 2782–2807
- Shokat, K. M., Ko, M. K., **Scanlan, T. S.**, Kochersperger, L., Yonkovich, S., Thaisrivongs, S., Schultz*, P. G.
Catalytic Antibodies: A New Class of Transition-State Analogues Used to Elicit Hydrolytic Antibodies
1990, *102*, 1339–1346; **1990**, *29*, 1296–1303
- Jandeleit*, B., **Schaefer*, D. J.**, Powers, T. S., Turner, H. W., Weinberg, W. H.
Combinatorial Materials Science and Catalysis
1999, *111*, 2648–2689; **1999**, *38*, 2494–2532
- Schäfer*, F. P.**
Organic Dyes in Laser Technology
1970, *82*, 25–41; **1970**, *9*, 9–25
- Schäfer*, H.**, von Schnering, H. G.
Metall-Metall-Bindungen bei niederen Halogeniden, Oxyden und Oxydhalogeniden schwerer Übergangsmetalle
1964, *76*, 833–849; –
- Schäfer*, H.**, Gruehn, R., Schulte, F.
The Modifications of Niobium Pentoxide
1966, *78*, 28–41; **1966**, *5*, 40–52
- Schäfer*, H.**
Preparative Solid State Chemistry: The Present Position
1971, *83*, 35–42; **1971**, *10*, 43–50
- Schäfer*, H.**, Eisenmann, B., Müller, W.
Zintl Phases: Transitions between Metallic and Ionic Bonding
1973, *85*, 742–760; **1973**, *12*, 694–712
- Schäfer*, H.**
Gaseous Chloride Complexes with Halogen Bridges—Homo-Complexes and Hetero-Complexes
1976, *88*, 775–789; **1976**, *15*, 713–727
- Schäfer*, H. J.**
Anodic and Cathodic CC-Bond Formation
1981, *93*, 978–1000; **1981**, *20*, 911–934
- Biermann, U., Friedt, W., Lang, S., Lühs, W., Machmüller, G., Metzger*, J. O., Rüschen, Klaas, M., **Schäfer, H. J.**, Schneider, M. P.
New Syntheses with Oils and Fats as Renewable Raw Materials for the Chemical Industry
2000, *112*, 2292–2310; **2000**, *39*, 2206–2224
- Asinger*, F., **Schäfer, W.**, Halcour, K., Saus, A., Triem, H.
The Course of the Willgerodt–Kindler Reaction of Alkyl Aryl Ketones
1963, *75*, 1050–1059; **1964**, *3*, 19–28
- Schäfer, W.**, Hellmann*, H.
Hexamethyl(Dewar Benzene) (Hexamethylbicyclo[2.2.0]hexa-2,5-diene)
1967, *79*, 566–573; **1967**, *6*, 518–525
- Wagner*, K., Findeisen, K., **Schäfer, W.**, Dietrich, W.
 α,ω -Diisocyanatocarbodiimides, -Polycarbodiimides, and Their Derivatives
1981, *93*, 855–866; **1981**, *20*, 819–830
- Demuth*, M., **Schaffner*, K.**
Tricyclo[3.3.0.0^{2,8}]octan-3-ones: Photochemically Prepared Building Blocks for Enantiospecific Total Syntheses of Cyclopentanoid Natural Products
1982, *94*, 809–825; **1982**, *21*, 820–836
- Braslavsky, S. E., Holzwarth, A. R., **Schaffner*, K.**
Solution Conformations, Photophysics, and Photochemistry of Bile Pigments; Bilirubin and Biliverdin Dimethyl Esters and Related Linear Tetrapyrroles
1983, *95*, 670–689; **1983**, *22*, 656–674
- Hünig*, S., **Schaller, R.**
The Chemistry of Acyl Cyanides
1982, *94*, 1–15; **1982**, *21*, 36–49
- Harnisch*, H., Heymer, G., **Schallus, E.**
Inorganic Reactions with Arc-heated Gases
Chem.-Ing.-Tech. **1963**, *35*, 7–10; **1963**, *2*, 238–242
- Müller*, H., Wittenberg, D., Seibt, H., **Scharf, E.**
Recent Results in the Catalytic Oligomerization and Co-oligomerization of Butadiene
1965, *77*, 318–323; **1965**, *4*, 327–332
- Scharf*, H.-D.**
Halovinylene Carbonates in Organic Synthesis
1974, *86*, 567–580; **1974**, *13*, 520–533
- Scharf*, H.-D.**, Fleischhauer, J., Leismann, H., Ressler, I., Schleker, W., Weitz, R.
Criteria for the Efficiency, Stability, and Capacity of Abiotic Photochemical Solar Energy Storage Systems
1979, *91*, 696–707; **1979**, *18*, 652–662

- Buschmann, H., **Scharf*, H.-D.**, Hoffmann, N., Esser, P.
The Isoinversion Principle—a General Model of Chemical Selectivity
1991, *103*, 480–518; **1991**, *30*, 477–515
- Esser, P., Pohlmann, B., **Scharf*, H.-D.**
The Photochemical Synthesis of Fine Chemicals with Sunlight
1994, *106*, 2093–2108; **1994**, *33*, 2009–2023
- Schatz*, G.**
Mitochondrial Oxidative Phosphorylation
1967, *79*, 1088–1099; **1967**, *6*, 1035–1046
- Schauer*, R.**
The Mode of Action of Hormones
1972, *84*, 41–50; **1972**, *11*, 7–16
Chemistry and Biology of the Acylneuraminic Acids
1973, *85*, 128–140; **1973**, *12*, 127–138
- Schaumann*, E.**, Ketcham, R.
[2 + 2]-Cycloreversions
1982, *94*, 231–253; **1982**, *21*, 225–247
- Scheer*, H.**
Biliproteins
1981, *93*, 230–250; **1981**, *20*, 241–261
- Müller*, E., Rieker, A., **Scheffler, K.**, Moosmayer, A.
Applications and Limitations of Magnetic Methods in Free-Radical Chemistry
1966, *78*, 98–107; **1966**, *5*, 6–15
- Eschenmoser*, A., Bertele, E., Boos, H., Dunitz, J. D., Elsinger, F., Felner, I., Gribo, H. P., Gschwend, H., Meyer, E. F., Pesaro, M., **Scheffold, R.**
A Synthetic Route to the Corrin System
1964, *76*, 393–399; **1964**, *3*, 490–496
- Santini*, J. T., Jr., Richards, A. C., **Scheidt, R.**, Cima*, M. J., Langer*, R.
Microchips as Controlled Drug-Delivery Devices
2000, *112*, 2486–2498; **2000**, *39*, 2396–2407
- Schelhaas, M.**, Waldmann*, H.
Protecting Group Strategies in Organic Synthesis
1996, *108*, 2192–2219; **1996**, *35*, 2056–2083
- Schellenberger*, A.**
Structure and Mechanism of Action of the Active Center of Yeast Pyruvate Decarboxylase
1967, *79*, 1050–1061; **1967**, *6*, 1024–1035
- Schellenberger, V.**, Jakubek*, H.-D.
Protease-Catalyzed Kinetically Controlled Peptide Syntheses
1991, *103*, 1440–1452; **1991**, *30*, 1437–1449
- Wagner, A., **Schellhammer, C.-W.**, Petersen*, S.
Aryl- Δ^2 -pyrazolines as Optical Brighteners
1966, *78*, 769–774; **1966**, *5*, 699–704
- Dorlars*, A., **Schellhammer, C.-W.**, Schroeder, J.
Heterocycles as Structural Units in New Optical Brighteners
1975, *87*, 693–707; **1975**, *14*, 665–679
- Schenk*, P. W.**, Steudel, R.
New Findings in the Chemistry of the Lower Oxides of Sulfur
1965, *77*, 437–445; **1965**, *4*, 402–409
- Schenk*, P. W.**
An Apparatus for Titrations in Liquid Ammonia
Chem.-Ing.-Tech. **1966**, *38*, 576–579; **1966**, *5*, 554–557
- Schenk*, W. A.**
Sulfur Oxides as Ligands in Coordination Compounds
1987, *99*, 101–112; **1987**, *26*, 98–109
- Weigert*, W. M., Offermanns, H., **Scherberich, P.**
D-Penicillamine—Production and Properties
1975, *87*, 372–378; **1975**, *14*, 330–336
- Scherer*, H.**, Seydel, G.
Eigenkomplexe von Äthyl-äthoxy-aluminiumchlorid
1963, *75*, 846–851; –
- Scherer*, O.**, Hörlein, G., Härtel, K.
Preparation of *N*-Alkoxyureas and Their Use as Selective Herbicides
1963, *75*, 851–854; **1963**, *2*, 670–673
- Scherer*, O. J.**
Elemento-Organic Amines and Imines
1969, *81*, 871–887; **1969**, *8*, 861–876
Phosphorus, Arsenic, Antimony, and Bismuth Multiply Bonded Systems with Low Coordination Number—Their Role as Complex Ligands
1985, *97*, 905–924; **1985**, *24*, 924–943
Complexes with Substituent-free Acyclic and Cyclic Phosphorus, Arsenic, Antimony, and Bismuth Ligands
1990, *102*, 1137–1155; **1990**, *29*, 1104–1122
- Dürkheimer*, W., Blumbach, J., Lattrell, R., **Scheunemann, K. H.**
Recent Developments in the Field of β -Lactam Antibiotics
1985, *97*, 183–205; **1985**, *24*, 180–202
- Zimmermann*, U., **Scheurich, P.**, Pilwat, G., Benz, R.
Cells with Manipulated Functions: New Perspectives for Cell Biology, Medicine, and Technology
1981, *93*, 332–351; **1981**, *20*, 325–344
- Schier*, O.**, Nübling, W., Steidle, W., Valls, J.
A System for the Documentation of Chemical Reactions
1970, *82*, 622–628; **1970**, *9*, 599–604
- Grob*, C. A., **Schiess, P. W.**
Heterolytic Fragmentation. A Class of Organic Reactions
1967, *79*, 1–14; **1967**, *6*, 1–15
- Schildknecht*, H.**
Defensive Substances of the Arthropods, Their Isolation and Identification
1963, *75*, 762–771; **1964**, *3*, 73–82
Electron Pyrolysis, a New Method of Organic Microanalysis
1966, *78*, 841–850; **1966**, *5*, 751–759
The Defensive Chemistry of Land and Water Beetles
1970, *82*, 17–25; **1970**, *9*, 1–9
Chemical Ecology—A Chapter of Modern Natural Products Chemistry
1976, *88*, 235–243; **1976**, *15*, 214–222
Irritant and Defense Substances of Higher Plants—A Chemical Herbarium
1981, *93*, 164–183; **1981**, *20*, 164–184
Turgorins, Hormones of the Endogeneous Daily Rhythms of Higher Organized Plants—Detection, Isolation, Structure, Synthesis and Activity
1983, *95*, 689–705; **1983**, *22*, 695–710
- Lüttringhaus*, A., **Schill, G.**
The Preparation of Catena Compounds by Directed Synthesis
1964, *76*, 567–568; **1964**, *3*, 546–547
- Lübke*, K., **Schillinger, E.**, Töpert, M.
Hormone Receptors
1976, *88*, 790–798; **1976**, *15*, 741–748
- Stahl*, E., **Schilz, W.**, Schütz, E., Willing, E.
A Quick Method for the Microanalytical Evaluation of the Dissolving Power of Supercritical Gases
1978, *90*, 778–785; **1978**, *17*, 731–738
- Schimmelschmidt*, K.**, Hoffmann, H., Baier, E.
Polycondensation Dyes
1962, *74*, 975–977; **1963**, *2*, 30–31
- Walter, S., Nitschke, E., Bode, C., Becker*, E. W., Hübener, R. P., Kessler, R. W., **Schindewolf, U.**
Enrichment of Heavy Water by High Pressure Exchange between Hydrogen and an Aqueous Catalyst Suspension
Chem.-Ing.-Tech. **1962**, *34*, 7–10; **1962**, *1*, 21–24
- Schindewolf*, U.**
Formation and Properties of Solvated Electrons
1968, *80*, 165–179; **1968**, *7*, 190–203

Physical and Chemical Properties of Dissolved Electrons (Excess Electrons)

1978, 90, 939–954; **1978**, 17, 887–901

Schindler, F., Schmidbaur *, H.

Siloxane Compounds of the Transition Metals

1967, 79, 697–708; **1967**, 6, 683–694

de Meijere *, A., **Schirmer, H.**, Duetsch, M.

Fischer Carbene Complexes as Chemical Multitalents: The Incredible Range of Products from Carbenepentacarbonylmethyl α,β -Unsaturated Complexes

2000, 112, 4124–4162; **2000**, 39, 3964–4002

Schirmer *, R. H., Müller, J. G., Krauth-Siegel, R. L.

Disulfide-Reductase Inhibitors as Chemotherapeutic Agents: The Design of Drugs for Trypanosomiasis and Malaria

1995, 107, 153–166; **1995**, 34, 141–154

Grottemeyer *, J., **Schlag, E. W.**

Multiphoton-Ionization-Mass Spectrometry (MUPI-MS)

1988, 100, 461–474; **1988**, 27, 447–459

Neusser *, H. J., **Schlag, E. W.**

High Resolution Spectroscopy below the Doppler Width

1992, 104, 269–280; **1992**, 31, 263–273

Müller-Dethlefs *, K., **Schlag, E. W.**

Chemical Applications of Zero Kinetic Energy (ZEKE) Photoelectron Spectroscopy

1998, 110, 1414–1444; **1998**, 37, 1346–1374

Matthies *, P., **Schlag, J.**, Schwartz, E.

Formation of Free Radicals in Polyamide Fibers during Drawing

1965, 77, 323–327; **1965**, 4, 332–335

Ringsdorf *, H., **Schlarb, B.**, Venzmer, J.

Molecular Architecture and Function of Polymeric Oriented Systems: Models for the Study of Organization, Surface Recognition, and Dynamics of Biomembranes

1988, 100, 117–162; **1988**, 27, 113–158

Schlegel *, H. G., Gottschalk, G.

Poly- β -hydroxybuttersäure, ihre Verbreitung, Funktion und Biosynthese

1962, 74, 342–347; –

Ledl *, F., **Schleicher *, E.**

New Aspects of the Maillard Reaction in Foods and in the Human Body

1990, 102, 597–626; **1990**, 29, 565–594

Scharf *, H.-D., Fleischhauer, J., Leismann, H., Ressler, I.,

Schleker, W., Weitz, R.

Criteria for the Efficiency, Stability, and Capacity of Abiotic Photochemical Solar Energy Storage Systems

1979, 91, 696–707; **1979**, 18, 652–662

Schlenk *, W., Jr.

Recent Results of Configurational Research

1965, 77, 161–168; **1965**, 4, 139–145

Schleyer *, P. von R., Leone, R. E.

Degenerate Carbonium Ions

1970, 82, 889–919; **1970**, 9, 860–890

Lammertsma *, K., **Schleyer *, P. von R.**, Schwarz *, H.

Organic Dications: Gas-Phase Experiments and Theory in Concert

1989, 101, 1313–1335; **1989**, 28, 1321–1341

Lambert, C., **Schleyer *, P. von R.**

Are Polar Organometallic Compounds “Carbanions”? The Generation Effect on Structure and Energies of Alkali-Metal Compounds

1994, 106, 1187–1199; **1994**, 33, 1129–1140

Sanne *, W., **Schlichting, O.**

Herstellung und Reaktionen des Cyclooctatriens

1963, 75, 156–161; –

Schlimme *, E., Boos, K. S., Bojanovski, D., Lüstorf, J.

Investigations of Mitochondrial Adenine Nucleotide Translocation by Means of Nucleotide Analogs

1977, 89, 717–725; **1977**, 16, 695–702

Franck *, B., Blaschke, G., **Schlingloff, G.**

Oxidative Condensation of Quaternary Phenolic Bases

1963, 75, 957–965; **1964**, 3, 192–200

Schlittler *, E., de Stevens, G., Werner, L.

Recent Developments in Non-Mercurial Diuretics

1962, 74, 317–326; **1962**, 1, 235–245

Schlögl *, R., Indlekofer, G., Oelhafen, P.

Emission of Microparticles from Automotive Sources—X-Ray Photoelectron Spectroscopy in Environmental Analysis

1987, 99, 312–322; **1987**, 26, 309–319

Schlosser *, M.

Organosodium and Organopotassium Compounds

1964, 76, 124–143, 258–269; **1964**, 3, 287–306, 362–373

Prescriptions and Ingredients for Controlled CC Bond Formation with Organometallic Reagents

1974, 86, 751–756; **1974**, 13, 701–706

Parametrization of Substituents: Effects of Fluorine and Other Heteroatoms on OH, NH, and CH Acidities

1998, 110, 1538–1556; **1998**, 37, 1496–1513

Hildebrandt, B.-U., **Schlottmann *, U.**

Chemical Safety—An International Challenge

1998, 110, 1382–1393; **1998**, 37, 1316–1326

Schlunegger *, U. P.

Detection of Fragment Genesis in the Mass Spectrometer: DADI Mass Spectrometry as an Aid in the Structure Analysis of Organic Compounds

1975, 87, 731–740; **1975**, 14, 679–688

Schlupp *, K. F., Wien, H.

Production of Oil by Hydrogenation of Coal

1976, 88, 348–353; **1976**, 15, 341–346

Schlüter *, A. D., Rabe *, J. P.

Dendronized Polymers: Synthesis, Characterization, Assembly at Interfaces, and Manipulation

2000, 112, 860–880; **2000**, 39, 864–883

Berth, P., Jakobi, G., **Schmadel, E.**, Schwuger, M. J.,

Krauch *, C. H.

The Replacement of Phosphates in Detergents – Possibilities and Limits

1975, 87, 115–123; **1975**, 14, 94–102

Günther *, H., Moskau, D., Bast, P., **Schmalz, D.**

Modern NMR Spectroscopy of Organolithium Compounds

1987, 99, 1242–1250; **1987**, 26, 1212–1220

Schmalzried *, H.

Solid-State Reactions

1963, 75, 353–356; **1963**, 2, 251–254

Holtschmidt *, H., Degener, E., **Schmelzer, H.-G.**, Tarnow, H.,

Zeher, W.

Preparation, Properties, and Reactions of Polychloroamine Derivatives

1968, 80, 942–953; **1968**, 7, 856–867

Schmid *, G.

Metal-Boron Compounds—Problems and Perspectives

1970, 82, 920–930; **1970**, 9, 819–830

Tetrahedral Carbonylcobalt Clusters

1978, 90, 417–424; **1978**, 17, 392–400

Wieland *, T., Lüben, G., Ottenheym, H., Faesel, J., de Vries, J. X.,

Konz, W., Prox, A., **Schmid, J.**

The Discovery, Isolation, Elucidation of Structure, and Synthesis of Antamanide

1968, 80, 209–213; **1968**, 7, 204–208

Grisebach *, H., **Schmid, R.**

Chemistry and Biochemistry of Branched-Chain Sugars

1972, 84, 192–206; **1972**, 11, 159–173

- Schmid*, R. D.**, Verger, R.
Lipases: Interfacial Enzymes with Attractive Applications
1998, *110*, 1694–1720; **1998**, *37*, 1608–1633
- Schmidbaur*, H.**
Recent Developments in the Chemistry of Heterosiloxanes
1965, *77*, 206–216; **1965**, *4*, 201–211
- Schindler, F., **Schmidbaur*, H.**
Siloxane Compounds of the Transition Metals
1967, *79*, 697–708; **1967**, *6*, 683–694
- Schmidbaur*, H.**, Armer, B.
Organogold Chemistry
1970, *82*, 120–133; **1970**, *9*, 101–113
- Schmidbaur*, H.**
Is Gold Chemistry a Topical Field of Study?
1976, *88*, 830–843; **1976**, *15*, 728–740
Phosphorus Ylides in the Coordination Sphere of Transition Metals: An Inventory
1983, *95*, 980–1000; **1983**, *22*, 907–927
Arene Complexes of Univalent Gallium, Indium, and Thallium
1985, *97*, 893–904; **1985**, *24*, 893–904
- Schmidbaur*, H.**, Classen, H. G., Helbig, J.
Aspartic and Glutamic Acid as Ligands to Alkali and Alkaline-Earth Metals: Structural Chemistry as Related to Magnesium Therapy
1990, *102*, 1122–1136; **1990**, *29*, 1090–1103
- Weygand*, F., Prox, A., **Schmidhammer, L.**, König, W.
Gas-Chromatographic Investigation of Racemization during Peptide Synthesis
1963, *75*, 282–287; **1963**, *2*, 183–188
- Ried*, W., **Schmidt, A. H.**
The Chemistry of Phenylcyclobutenediones
1972, *84*, 1048–1060; **1972**, *11*, 997–1009
- Schmidt*, B.**
Genetic Aspects of Hemoglobin Synthesis
1972, *84*, 649–656; **1972**, *11*, 576–583
- Truscheit*, E., Frommer, W., Junge, B., Müller, L., **Schmidt, D. D.**, Wingender, W.
Chemistry and Biochemistry of Microbial α -Glucosidase Inhibitors
1981, *93*, 738–755; **1981**, *20*, 744–761
- Graf*, R., Lohaus, G., Börner, K., **Schmidt, E.**, Bestian, H.
 β -Lactams, Their Polymerization and Use as Raw Materials for Fibers
1962, *74*, 523–530; **1962**, *1*, 481–488
- Fischer*, E. W., **Schmidt, G. F.**
Long Periods in Drawn Polyethylene
1962, *74*, 551–562; **1962**, *1*, 488–499
- Schumann, H., **Schmidt*, M.**
New Products Reaction of Organometallic Compounds with Sulfur, Selenium, Tellurium, and Phosphorus
1965, *77*, 1049–1055; **1965**, *4*, 1007–1013
- Schmidt*, M.**
Elemental Sulfur—A Challenge to Theory and Practice
1973, *85*, 474–484; **1973**, *12*, 445–455
- Schmidt*, P.**, Wilhelm, M.
A New Group of Antischistosomal Compounds
1966, *78*, 850–855; **1966**, *5*, 857–862
- Schmidt*, P. G.**, Gay, F. P.
Physikalische Charakterisierung von Poly-(äthylenglykol-terephthalat)
1962, *74*, 638–641; –
- Schmidt*, R. R.**
Polar Cycloadditions
1973, *85*, 235–247; **1973**, *12*, 212–224
Heterocyclic Systems Having Eight π -Electrons. Synthesis, Properties, and Significance
1975, *87*, 603–613; **1975**, *14*, 581–591
- New Methods for the Synthesis of Glycosides and Oligosaccharides—Are There Alternatives to the Koenigs–Knorr Method?
1986, *98*, 213–236; **1986**, *25*, 212–235
- Schmidt*, U.**
Free Radicals and Free-Radical Reactions of Monovalent and Divalent Sulfur
1964, *76*, 629–635; **1964**, *3*, 602–608
- Schmidt*, U.**, Grafen, P., Goedde, H. W.
Chemistry and Biochemistry of α -Lipoic Acid
1965, *77*, 900–911; **1965**, *4*, 846–856
- Schmidt*, U.**
Formation, Detection, and Reactions of Phosphinidenes (Phosphanediylys)
1975, *87*, 535–540; **1975**, *14*, 523–528
- Rowland, F. S., **Schmidt-Bleek*, F.**
Recoil Reactions of Tritium with Organic Compounds
1964, *76*, 901–908; **1964**, *3*, 769–776
- Witt*, H. T., Rumberg, B., **Schmidt-Mende, P.**, Siggel, U., Skerra, B., Vater, J., Weikard, J.
On the Analysis of Photosynthesis by Flashlight Techniques
1965, *77*, 821–842; **1965**, *4*, 799–819
- Schmitt*, B. J.**
Polymer Alloys—Their Structure, Morphology, and Properties
1979, *91*, 286–309; **1979**, *18*, 273–295
- Engelhardt*, H., Beck, W., Kohr, J., **Schmitt, T.**
Capillary Electrophoresis: Methods and Scope
1993, *105*, 659–680; **1993**, *32*, 629–649
- Schmitt*, M.**, Burghart, A.
Understanding Reactivity Patterns of Radical Cations
1997, *109*, 2658–2699; **1997**, *36*, 2550–2589
- Schmitz*, E.**
Three-Membered Rings Containing Two Hetero-Atoms
1964, *76*, 197–206; **1964**, *3*, 333–341
- Schmutzler*, R.**
Chemistry and Stereochemistry of Fluorophosphoranes
1965, *77*, 530–541; **1965**, *4*, 496–508
Nitrogen Oxide Fluorides
1968, *80*, 466–481; **1968**, *7*, 440–455
- Kröhnke*, F., Zecher, W., Curtze, J., Drechsler, D., Pflieger, K., **Schnalke, K. E.**, Weis, W.
Syntheses Using the Michael Addition of Pyridinium Salts
1962, *74*, 811–817; **1962**, *1*, 626–632
- Potter, R. C., **Schneider, C.**, Hummel*, D. O., Ryska, M.
Trends in Radiation Polymerization
1968, *80*, 921–932; **1968**, *7*, 845–856
- Schneider*, F.**, Möbius, K., Plato, M.
The Use of Electron Paramagnetic Resonance in Organic Chemistry
1965, *77*, 888–900; **1965**, *4*, 856–867
- Schneider*, F.**
Histidine in Enzyme Active Centers
1978, *90*, 616–625; **1978**, *17*, 583–592
- Schneider*, G. M.**
Physicochemical Principles of Extraction with Supercritical Gases
1978, *90*, 762–774; **1978**, *17*, 716–727
- van Wasen, U., Swaid, I., **Schneider*, G. M.**
Physicochemical Principles and Applications of Supercritical Fluid Chromatography (SFC)
1980, *92*, 585–598; **1980**, *19*, 575–587
- Seiler*, N., Demisch, L., **Schneider, H.**
Biochemistry and Function of Biogenic Amines in the Central Nervous System
1971, *83*, 53–69; **1971**, *10*, 51–66

Hanack*, M., **Schneider, H.-J.**

Neighboring-Group Effects and Rearrangements in Reactions of Cyclopropylmethyl, Cyclobutyl, and Homoallyl Systems
1967, 79, 709–720; **1967**, 6, 666–677

Schneider*, H.-J.

Mechanisms of Molecular Recognition: Investigations of Organic Host–Guest Complexes
1991, 103, 1419–1439; **1991**, 30, 1417–1436

Schneider*, J. J.

Si–H and C–H Activation by Transition Metal Complexes: A Step Towards Isolable Alkane Complexes?
1996, 108, 1132–1139; **1996**, 35, 1068–1076

Biermann, U., Friedt, W., Lang, S., Lühs, W., Machmüller, G., Metzger*, J. O., Rüschen, Klaas, M., Schäfer, H. J., **Schneider, M. P.**

New Syntheses with Oils and Fats as Renewable Raw Materials for the Chemical Industry
2000, 112, 2292–2310; **2000**, 39, 2206–2224

Schnell*, H., Krimm, H.

Formation and Cleavage of Dihydroxydiarylmethane Derivatives
1963, 75, 662–668; **1963**, 2, 373–379

Lindner*, E., **Schneller, T.**, Auer, F., Mayer*, H. A.

Chemistry in Interphases—A New Approach to Organometallic Syntheses and Catalysis
1999, 111, 2288–2309; **1999**, 38, 2154–2174

Schnick*, W.

Solid-State Chemistry with Nonmetal Nitrides
1993, 105, 846–858; **1993**, 32, 806–818

Dohmeier, C., Loos, D., **Schnöckel*, H.**

Aluminum(II) and Gallium(II) Compounds: Syntheses, Structures, and Reactions
1996, 108, 141–161; **1996**, 35, 129–149

Blumen*, A., **Schnörer, H.**

Fractals and Related Hierarchical Models in Polymer Science
1990, 102, 158–170; **1990**, 29, 113–125

Schoenfeld*, R.

Say It in English, Please!
1988, 100, 1083–1090; **1988**, 27, 1050–1057

Kindl, H., **Scholda, R.**, Hoffmann-Ostenhof*, O.

The Biosynthesis of Cyclitols
1966, 78, 198–206; **1966**, 5, 165–173

Schöllhorn*, R.

Reversible Topotactic Redox Reactions of Solids by Electron/Ion Transfer
1980, 92, 1015–1035; **1980**, 19, 983–1003

Schöllkopf*, U.

Synthesis of Cyclopropyl Ethers and Cyclopropanols by Carbene Transfer – Acetolysis of Cyclopropyl *p*-Toluenesulfonates
1968, 80, 603–613; **1968**, 7, 588–598
Recent Results in Carbanion Chemistry
1970, 82, 795–805; **1970**, 9, 763–773
Recent Applications of α -Metalated Isocyanides in Organic Synthesis
1977, 89, 351–360; **1977**, 16, 339–348

Pelling*, C., **Scholtissek, C.**

Die Funktion der Ribonucleinsäuren im Organismus
1964, 76, 881–888; –

Scholtissek*, C.

Molecular Biological Background of the Species and Organ Specificity of Influenza A Viruses
1986, 98, 47–56; **1986**, 25, 47–56

Ziegler*, E., Henneberg, D., **Schomburg, G.**

Computer Systems for Chemical Research
1972, 84, 371–380; **1972**, 11, 348–357

Schomburg*, G., Weeke, F., Weimann, B., Ziegler, E.

Data Processing in Gas Chromatography
1972, 84, 390–399; **1972**, 11, 366–375

Schön, J. C., Jansen*, M.

First Step Towards Planning of Syntheses in Solid-State Chemistry: Determination of Promising Structure Candidates by Global Optimization
1996, 108, 1358–1377; **1996**, 35, 1286–1304

Repke*, K. R. H., Megges, R., Weiland, J., **Schön, R.**

Digitalis Research in Berlin—Buch—Retrospective and Perspective Views
1995, 107, 308–321; **1995**, 34, 282–294

Schönbeck*, R., König, H., Krzemicki, K., Kahofer, L.

Acrylonitrile from Propylene, Ammonia, and Atmospheric Oxygen
Chem.-Ing.-Tech. **1966**, 38, 701–705; **1966**, 5, 642–646

Schoner*, W.

Active Transport of Na⁺ and K⁺ through Animal Cell Membranes
1971, 83, 947–955; **1971**, 10, 882–889

Schopper*, H.

The Structure of the Proton and the Neutron
1964, 76, 513–518; **1964**, 3, 597–601

Pestemer*, M., Bergmann, G., Perkampus, H.-H., **Schrader, B.**

A Code for the Classification of the Ultraviolet Spectra of Organic Compounds
1965, 77, 541–543; **1965**, 4, 516–518

Schrader*, B.

Chemical Applications of Raman Spectroscopy
1973, 85, 925–950; **1973**, 12, 884–908

Schramm*, G., Grötsch, H., Pollmann, W.

Non-Enzymatic Synthesis of Polysaccharides, Nucleosides and Nucleic Acids and the Origin of Self-Reproducing Systems
1962, 74, 53–59; **1962**, 1, 1–7

Schrauzer*, G. N.

Coordination Chemistry and Catalysis
1964, 76, 28–35; **1964**, 3, 185–191
Nonenzymatic Simulation of Nitrogenase Reactions and the Mechanism of Biological Nitrogen Fixation
1975, 87, 579–587; **1975**, 14, 514–522
New Developments in the Field of Vitamin B₁₂: Reactions of the Cobalt Atom in Corrins and in Vitamin B₁₂ Model Compounds
1976, 88, 465–474; **1976**, 15, 417–426
New Developments in the Field of Vitamin B₁₂: Enzymatic Reactions Dependent upon Corrins and Coenzyme B₁₂
1977, 89, 239–251; **1977**, 16, 233–244

Schreiber*, G.

Translation of Genetic Information on the Ribosome
1971, 83, 645–658; **1971**, 10, 638–651

Shambayati, S., Crowe, W. E., **Schreiber*, S. L.**

On the Conformation and Structure of Organometal Complexes in the Solid State: Two Studies Relevant to Chemical Synthesis
1990, 102, 273–290; **1990**, 29, 256–272

Rosen, M. K., **Schreiber*, S. L.**

Natural Products as Probes of Cellular Function: Studies of Immunophilins
1992, 104, 413–430; **1992**, 31, 384–400

Chen, J. K., **Schreiber*, S. L.**

Combinatorial Synthesis and Multidimensional NMR Spectroscopy: An Approach to Understanding Protein–Ligand Interactions
1995, 107, 1041–1058; **1995**, 34, 953–969

Laszlo*, P., **Schrobilgen*, G. J.**

One or Several Pioneers? The Discovery of Noble-Gas Compounds
1988, 100, 495–506; **1988**, 27, 479–489

- Schröder, D.**, Schwarz*, H.
C–H and C–C Bond Activation by Bare Transition-Metal Oxide Cations in the Gas Phase
1995, *107*, 2126–2150; **1995**, *34*, 1973–1995
- Schröder*, G.**, Oth, J. F. M., Merényi, R.
Molecules Undergoing Fast, reversible Valence-Bond Isomerization
1965, *77*, 774–784; **1965**, *4*, 752–761
- Schröder*, G.**, Oth, J. F. M.
Recent Chemistry of Bullvalene
1967, *79*, 458–467; **1967**, *6*, 414–423
- Glemser*, O., **Schröder, J.**, Kleine-Weischede, K., Meyer, B., Peuschel, G., Flügel, R., Velde, D.
Preparation of Carbon Tetrachloride from Phosgene
1963, *75*, 823–825; **1963**, *2*, 613–615
- Dorlars*, A., Schellhammer, C.-W., **Schroeder, J.**
Heterocycles as Structural Units in New Optical Brighteners
1975, *87*, 693–707; **1975**, *14*, 665–679
- Hoffmann*, E. G., Stempfle, W., **Schroth, G.**, Weimann, B., Ziegler, E., Brandt, J.
Use of a Computer in Nuclear Magnetic Resonance Spectroscopy
1972, *84*, 400–411; **1972**, *11*, 375–386
- Hüsing*, N., **Schubert*, U.**
Aerogels—Airy Materials: Chemistry, Structure, and Properties
1998, *110*, 22–47; **1998**, *37*, 22–45
- Ugi*, I., Bauer, J., Brandt, J., Friedrich, J., Gasteiger, J., Jochum, C., **Schubert, W.**
New Applications of Computers in Chemistry
1979, *91*, 99–111; **1979**, *18*, 111–123
- Arends, I. W. C. E., Sheldon*, R. A., Wallau, M., **Schuchardt*, U.**
Oxidative Transformations of Organic Compounds Mediated by Redox Molecular Sieves
1997, *109*, 1190–1211; **1997**, *36*, 1144–1163
- von Sonntag*, C., **Schuchmann, H.-P.**
The Elucidation of Peroxyl Radical Reactions in Aqueous Solution with the Help of Radiation-Chemical Methods
1991, *103*, 1255–1279; **1991**, *30*, 1229–1253
- Schäfer*, H., Gruehn, R., **Schulte, F.**
The Modifications of Niobium Pentoxide
1966, *78*, 28–41; **1966**, *5*, 40–52
- Beckey*, H. D., **Schulten, H.-R.**
Field Desorption Mass Spectrometry
1975, *87*, 425–438; **1975**, *14*, 403–415
- Lehmann*, W. D., **Schulten, H.-R.**
Quantitative Mass Spectrometry in Biochemistry and Medicine
1978, *90*, 233–250; **1978**, *17*, 221–238
- Schultz*, P. G.**
Catalytic Antibodies
1989, *101*, 1336–1348; **1989**, *28*, 1283–1295
- Shokat, K. M., Ko, M. K., Scanlan, T. S., Kochersperger, L., Yonkovich, S., Thaisrivongs, S., **Schultz*, P. G.**
Catalytic Antibodies: A New Class of Transition-State Analogues Used to Elicit Hydrolytic Antibodies
1990, *102*, 1339–1346; **1990**, *29*, 1296–1303
- Cornish, V. W., Mendel, D., **Schultz*, P. G.**
Protein Structure and Function with an Expanded Genetic Code
1995, *107*, 677–690; **1995**, *34*, 621–633
- Liu, D. R., **Schultz*, P. G.**
Generating New Molecular Function: A Lesson from Nature
1999, *111*, 36–56; **1999**, *38*, 36–54
- Mathes*, W., **Schüly, H.**
(Halogenomethyl)pyridines and (Halogenomethyl)quinolines
1963, *75*, 235–240; **1963**, *2*, 144–149
- Hafner*, K., Häfner, K. H., König, C., Kreuder, M., Ploss, G., **Schulz, G.**, Sturm, E., Vöpel, K. H.
Fulvenes as Isomers of Benzenoid Compounds
1963, *75*, 35–46; **1963**, *2*, 123–134
- Schulz*, G. E.**
Structural Rules for Globular Proteins
1977, *89*, 24–33; **1977**, *16*, 23–32
Protein Differentiation: Emergence of Novel Proteins during Evolution
1981, *93*, 143–151; **1981**, *20*, 143–151
- Wendt, K. U., **Schulz*, G. E.**, Corey, E. J., Liu*, D. R.
Enzyme Mechanisms for Polycyclic Triterpene Formation
2000, *112*, 2930–2952; **2000**, *39*, 2812–2833
- Schulz*, R. C.**
Acrolein Polymers
1964, *76*, 357–364; **1964**, *3*, 416–423
- Schulz*, S.**
The Chemistry of Spider Toxins and Spider Silk
1997, *109*, 324–337; **1997**, *36*, 314–327
- Schulze*, P.-E.**, Wenzel, M.
Automatic Activity Measurements during the Separation of Radioactive Compounds by Thin-Layer Chromatography
1962, *74*, 777–779; **1962**, *1*, 580–582
- Schumacher*, R.**
The Quartz Microbalance: A Novel Approach to the In-Situ Investigation of Interfacial Phenomena at the Solid/Liquid Junction
1990, *102*, 347–361; **1990**, *29*, 329–343
- Schumann, H.**, Schmidt*, M.
New Products Reaction of Organometallic Compounds with Sulfur, Selenium, Tellurium, and Phosphorus
1965, *77*, 1049–1055; **1965**, *4*, 1007–1013
- Schumann*, H.**
Organogermyl, Organostannyl, and Organoplumbyl Phosphines, Arsines, Stibines, and Bismuthines
1969, *81*, 970–983; **1969**, *8*, 937–950
Organolanthanoid Compounds
1984, *96*, 475–493; **1984**, *23*, 474–493
- Gros, L., Ringsdorf*, H., **Schupp, H.**
Polymeric Antitumor Agents on a Molecular and on a Cellular Level?
1981, *93*, 311–332; **1981**, *20*, 305–325
- Schurig*, V.**
Gas Chromatographic Separation of Enantiomers on Optically Active Metal-Complex-Free Stationary Phases
1984, *96*, 733–752; **1984**, *23*, 747–765
- Schurig*, V.**, Nowotny, H.-P.
Gas Chromatographic Separation of Enantiomers on Cyclodextrin Derivatives
1990, *102*, 969–986; **1990**, *29*, 939–957
- Schuster, M.**, Blechert*, S.
Olefin Metathesis in Organic Chemistry
1997, *109*, 2124–2145; **1997**, *36*, 2036–2055
- Schuster*, P.**
Intermolecular Forces—An Example of Fruitful Cooperation of Theory and Experiment
1981, *93*, 532–553; **1981**, *20*, 546–568
- Mothes*, K., **Schütte, H. R.**
The Biosynthesis of Alkaloids
1963, *75*, 265–281, 357–374; **1963**, *2*, 341–357, 441–458
- Becker*, E. W., Bier, K., Bier, W., **Schütte, R.**, Seidel, D.
Separation of the Isotopes of Uranium by the Separation Nozzle Process
Chem.-Ing.-Tech. **1967**, *39*, 1–7, 80–84; **1967**, *6*, 507–518

- Hünig*, S., Brenninger, W., Geiger, H., Kaupp, G., Kniese, W., Lampe, W., Quast, H., Rauschenbach, R. D., **Schütz, A.**
Sulfonyl Hydrazones of Cyclic Amides and Quaternary Azo Sulfones of Heterocycles as Reagents in Azo Chemistry
1968, 80, 343–352; **1968**, 7, 335–344
- Stahl*, E., Schilz, W., **Schütz, E.**, Willing, E.
A Quick Method for the Microanalytical Evaluation of the Dissolving Power of Supercritical Gases
1978, 90, 778–785; **1978**, 17, 731–738
- Schwab*, G.-M.**
Conductivity and Surface Chemistry of Crystals
1963, 75, 149–156; **1963**, 2, 59–66
- Schwab*, R. G.**
What Do We Know about the Deeper Layers of the Earth?
1974, 86, 612–624; **1974**, 13, 580–591
- Schwabe*, K.**, Suschke, H. D.
Theories of the Glass Electrode
1964, 76, 39–49; **1964**, 3, 36–46
- Schwabe*, K.**
The Passivity of Metals
1966, 78, 253–266; **1966**, 5, 185–197
- Memming*, R., **Schwandt, G.**
Potential and Charge Distribution at Semiconductor–Electrolyte Interfaces
1967, 79, 833–844; **1967**, 6, 851–861
- Dachs*, K., **Schwartz, E.**
Pyrrolidone, Capryllactam and Laurolactam as New Monomers for Polyamide Fibers
1962, 74, 540–545; **1962**, 1, 430–435
- Matthies*, P., Schlag, J., **Schwartz, E.**
Formation of Free Radicals in Polyamide Fibers during Drawing
1965, 77, 323–327; **1965**, 4, 332–335
- Schwartz*, J.**, Labinger, J. A.
Hydrozirconation: A New Transition Metal Reagent for Organic Synthesis
1976, 88, 402–409; **1976**, 15, 333–340
- Engel*, J. (München, Basel), **Schwarz, G.**
Cooperative Conformational Transitions of Linear Biopolymers
1970, 82, 468–479; **1970**, 9, 389–400
- Schwarz*, G.**, Engel*, J. (München, Basel)
Kinetics of Cooperative Conformational Transitions of Linear Biopolymers
1972, 84, 615–623; **1972**, 11, 568–575
- Levsen*, K., **Schwarz, H.**
Collisional Activation Mass Spectrometry—A New Probe for Determining the Structure of Ions in the Gas Phase
1976, 88, 589–601; **1976**, 15, 509–519
- Richter, W. J., **Schwarz*, H.**
Chemical Ionization—A Mass-Spectrometric Analytical Procedure of Rapidly Increasing Importance
1978, 90, 449–469; **1978**, 17, 424–439
- Bowen, R. D., Williams, D. H., **Schwarz*, H.**
The Chemistry of Isolated Cations
1979, 91, 484–495; **1979**, 18, 451–461
- Schwarz*, H.**
Pyramidal Carbocations
1981, 93, 1046–1059; **1981**, 20, 991–1003
- Terlouw, J. K., **Schwarz*, H.**
The Generation and Characterization of Molecules by Neutralization–Reionization Mass Spectrometry (NRMS)
1987, 99, 829–839; **1987**, 26, 805–815
- Lammertsma*, K., Schleyer*, P. von R., **Schwarz*, H.**
Organic Dications: Gas-Phase Experiments and Theory in Concert
1989, 101, 1313–1335; **1989**, 28, 1321–1341
- Schröder, D., **Schwarz*, H.**
C–H and C–C Bond Activation by Bare Transition-Metal Oxide Cations in the Gas Phase
1995, 107, 2126–2150; **1995**, 34, 1973–1995
- Schwarz*, W. H. E.**
X-Ray Absorption Spectroscopy on Free Molecules
1974, 86, 505–516; **1974**, 13, 454–465
- Stumm*, W., **Schwarzenbach, R.**, Sigg, L.
From Environmental Analytical Chemistry to Ecotoxicology—A Plea for More Concepts and Less Monitoring and Testing
1983, 95, 345–355; **1983**, 22, 380–389
- Schwarzhans*, K. E.**, Keller, H. J.
Magnetic Resonance of Paramagnetic Complexes
1970, 82, 227–236; **1970**, 9, 196–205
- Schwarzhans*, K. E.**
NMR Spectroscopy of Paramagnetic Complexes
1970, 82, 975–982; **1970**, 9, 946–953
- Schwedt*, G.**
Liquid Column Chromatography with Chemical Derivatizations after Separation
1979, 91, 192–198; **1979**, 18, 180–186
- Dimroth*, K., Berndt, A., Bär, F., **Schweig, A.**, Volland, R.
Spin Density Distribution in 2,4,6-Triphenylphenoxy
1967, 79, 69–76; **1967**, 6, 34–40
- Schweiger*, A.**
Pulsed Electron Spin Resonance Spectroscopy: Basic Principles, Techniques, and Examples of Applications
1991, 103, 223–250; **1991**, 30, 265–292
- Gruehn*, R., **Schweizer, H.-J.**
Preparation of Solid-State Compounds by Chemical Transport—Interpretation and Control Using the Cooperative Transport Model
1983, 95, 80–93; **1983**, 22, 82–95
- Bennett*, M. A., **Schwemlein*, H. P.**
Metal Complexes of Small Cycloalkynes and Arynes
1989, 101, 1349–1373; **1989**, 28, 1296–1320
- Millauer, H., **Schwertfeger, W.**, Siegemund*, G.
Hexafluoropropene Oxide—A Key Compound in Organofluorine Chemistry
1985, 97, 164–182; **1985**, 24, 161–179
- Heide, K., **Schwick*, H.-G.**
Chemistry and Significance of the Carbohydrate Moieties of Human Serum Glycoproteins
1973, 85, 803–815; **1973**, 12, 721–733
- Schwick*, H.-G.**, Haupt, H.
Chemistry and Function of Human Plasma Proteins
1980, 92, 83–95; **1980**, 19, 87–99
- Seiler*, F. R., Gronski, P., Kurrle, R., Lüben, G., Harthus, H.-P., Ax, W., Bosslet, K., **Schwick, H.-G.**
Monoclonal Antibodies: Their Chemistry, Functions, and Possible Uses
1985, 97, 141–163; **1985**, 24, 139–160
- Schwochau*, K.**
Zur Chemie des Technetiums
1964, 76, 9–19; –
Technetium Radiopharmaceuticals—Fundamentals, Synthesis, Structure, and Development
1994, 106, 2358; **1994**, 33, 2258–2267
- Schwochow*, F.**, Puppe, L.
Zeolites—Their Synthesis, Structure, and Applications
1975, 87, 659–667; **1975**, 14, 620–628
- Berth, P., Jakobi, G., Schmadel, E., **Schwuger, M. J.**, Krauch*, C. H.
The Replacement of Phosphates in Detergents – Possibilities and Limits
1975, 87, 115–123; **1975**, 14, 94–102

Scott*, A. I.

How Nature Synthesizes Vitamin B₁₂—A Survey of the Last Four Billion Years

1993, *105*, 1281–1302; **1993**, *32*, 1223–1243

Iddon, B., Meth-Cohn, O., **Scriven, E. F. V.**, Suschitzky*, H., Gallagher, P. T.

Developments in Arylnitrene Chemistry: Syntheses and Mechanisms

1979, *91*, 965–982; **1979**, *18*, 900–917

Sears*, P., Wong*, C.-H.

Carbohydrate Mimetics: A New Strategy for Tackling the Problem of Carbohydrate-Mediated Biological Recognition

1999, *111*, 2446–2471; **1999**, *38*, 2300–2324

Reinemer, P., **Sebald, W.**, Duschl*, A.

The Interleukin-4-Receptor: From Recognition Mechanism to Pharmacological Target Structure

2000, *112*, 2954–2966; **2000**, *39*, 2834–2846

Smidt*, J., Hafner, W., Jira, R., Sieber, R., **Sedlmeier, J.**, Sabel, A. The Oxidation of Olefins with Palladium Chloride Catalysts

1962, *74*, 93–102; **1962**, *1*, 80–88

Seebach*, D.

Strained Polycyclic Systems Consisting of Three- and Four-Membered Rings

1965, *77*, 119–129; **1965**, *4*, 121–131

Methods and Possibilities of Nucleophilic Acylation

1969, *81*, 690–700; **1969**, *8*, 639–649

Seebach*, D., Enders, D.

Umpolung of Amine Reactivity. Nucleophilic α -(Secondary Amino)alkylation via Metalated Nitrosamines

1975, *87*, 1–18; **1975**, *14*, 15–32

Seebach*, D.

Methods of Reactivity Umpolung

1979, *91*, 259–278; **1979**, *18*, 239–258

Seebach*, D., Prelog, V.

The Unambiguous Specification of the Steric Course of Asymmetric Syntheses

1982, *94*, 696–702; **1982**, *21*, 654–660

Weidmann, B., **Seebach*, D.**

Organometallic Compounds of Titanium and Zirconium as Selective Nucleophilic Reagents in Organic Synthesis

1983, *95*, 12–26; **1983**, *22*, 31–45

Seebach*, D.

Structure and Reactivity of Lithium Enolates. From Pinacolone to Selective C-Alkylations of Peptides. Difficulties and Opportunities Afforded by Complex Structures

1988, *100*, 1685–1715; **1988**, *27*, 1624–1654

Organic Synthesis—Where now?

1990, *102*, 1363–1409; **1990**, *29*, 1320–1367

Müller, H.-M., **Seebach*, D.**

Poly(hydroxyalkanoates): A Fifth Class of Physiologically Important Organic Biopolymers?

1993, *105*, 483–509; **1993**, *32*, 477–502

Seebach*, D., Sting, A. R., Hoffmann, Matthias

Self-Regeneration of Stereocenters (SRS)—Applications, Limitations, and Abandonment of a Synthetic Principle

1996, *108*, 2880–2921; **1996**, *35*, 2708–2748

Seebach*, D., Beck, A. K., Heckel, A.

TADDOLs, Their Derivatives, and TADDOL Analogues: Versatile Chiral Auxiliaries

2001, *113*, 96–142; **2001**, *40*, 92–138

Seeboth*, H.

The Bucherer Reaction and the Preparative Use of its Intermediate Products

1967, *79*, 329–340; **1967**, *6*, 307–317

Seel, C., Vögtle*, F.

Molecules with Large Cavities in Supramolecular Chemistry

1992, *104*, 542–563; **1992**, *31*, 528–549

Seel*, F., Steigner, E., Burger, I.

A New Method for the Determination of Fluorine

1964, *76*, 532–534; **1964**, *3*, 424–425

Seel*, F.

The Chemistry of Nitrous Acid and of its Derivatives in Liquid Hydrogen Fluoride

1965, *77*, 689–695; **1965**, *4*, 635–641

Seeliger, W., Aufderhaar, E., Diepers, W., Feinauer, R.,

Nehring, R., Thier, W., Hellmann*, H.

Recent Syntheses and Reactions of Cyclic Imidic Esters

1966, *78*, 913–927; **1966**, *5*, 875–888

Seeman*, N. C.

Nucleic Acid Nanostructures and Topology

1998, *110*, 3408–3428; **1998**, *37*, 3220–3238

White*, T. J., **Segall, R. L.**, Turner, P. S.

Radwaste Immobilization by Structural Modification—the Crystallochemical Properties of SYNROC, a Titanate Ceramic

1985, *97*, 369–376; **1985**, *24*, 357–365

Segura, J. L., Martín*, N.

New Concepts in Tetrathiafulvalene Chemistry

2001, *113*, 1416–1455; **2001**, *40*, 1372–1409

Müller*, H., Wittenberg, D., **Seibt, H.**, Scharf, E.

Recent Results in the Catalytic Oligomerization and Co-oligomerization of Butadiene

1965, *77*, 318–323; **1965**, *4*, 327–332

Becker*, E. W., Bier, K., Bier, W., Schütte, R., **Seidel, D.**

Separation of the Isotopes of Uranium by the Separation Nozzle Process

Chem.-Ing.-Tech. **1967**, *39*, 1–7, 80–84; **1967**, *6*, 507–518

Juza*, R., **Seidel, H.**, Tiedemann, J.

Color Centers in Alkali Borate Glasses Containing Cobalt, Nickel, or Copper

1966, *78*, 41–51; **1966**, *5*, 85–94

Wingender*, E., **Seifart, K. H.**

Transcription in Eukaryotes—The Role of Transcription Complexes and Their Components

1987, *99*, 206–215; **1987**, *26*, 218–227

Seiler*, F. R., Gronski, P., Kurrle, R., Lüben, G., Harthus, H.-P., Ax, W., Bosslet, K., Schwick, H.-G.

Monoclonal Antibodies: Their Chemistry, Functions, and Possible Uses

1985, *97*, 141–163; **1985**, *24*, 139–160

Seiler*, N., Demisch, L., Schneider, H.

Biochemistry and Function of Biogenic Amines in the Central Nervous System

1971, *83*, 53–69; **1971**, *10*, 51–66

Almenningen, A., Bastiansen*, O., Haaland, A., **Seip, H. M.**

Structure Determination of Free Molecules by Electron Diffraction

1965, *77*, 877–888; **1965**, *4*, 819–829

Seipke*, G., Müllner, H., Grau, U.

High-Pressure Liquid Chromatography (HPLC) of Proteins

1986, *98*, 530–548; **1986**, *25*, 535–552

Seitz*, G.

Hetero Analogs of Sesquifulvalene

1969, *81*, 518–522; **1969**, *8*, 478–482

Bock*, H., Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F.,

Arad, C., Göbel, I., John, A., Meuret, J., Nick, S.,

Rauschenbach, A., **Seitz, W.**, Vaupel, T., Solouki, B.

Distorted Molecules: Perturbation Design, Preparation and Structures

1992, *104*, 564–595; **1992**, *31*, 550–581

Selbin*, J.

Some Recent Developments in the Chemistry of Transition Metal Oxocations

1966, *78*, 736–746; **1966**, *5*, 712–722

- Green*, M. M., Park, J.-W., Sato, T., Teramoto, A., Lifson, S., Selinger, R. L. B., **Selinger, J. V.**
The Macromolecular Route to Chiral Amplification
1999, *111*, 3328–3345; **1999**, *38*, 3138–3154
- Green*, M. M., Park, J.-W., Sato, T., Teramoto, A., Lifson, S., **Selinger, R. L. B.**, Selinger, J. V.
The Macromolecular Route to Chiral Amplification
1999, *111*, 3328–3345; **1999**, *38*, 3138–3154
- Sell, P.-J.**, Neumann*, A. W.
The Surface Tension of Solids
1966, *78*, 321–331; **1966**, *5*, 299–307
- Sellmann*, D.**
Dinitrogen-Transition Metal Complexes: Synthesis, Properties, and Significance
1974, *86*, 692–702; **1974**, *13*, 639–649
- Senkan*, S.**
Combinatorial Heterogeneous Catalysis—A New Path in an Old Field
2001, *113*, 322–341; **2001**, *40*, 312–329
- Seppelt*, K.**
Structural Chemistry of Fluorides and Oxide Fluorides of Non-metals
1979, *91*, 199–214; **1979**, *18*, 186–202
Stabilization of Unusual Oxidation and Coordination States by the Ligands OSF₅, OSeF₅, and OTeF₅
1982, *94*, 890–901; **1982**, *21*, 877–888
Fluorine-Stabilized Sulfur–Carbon Multiple Bonds
1991, *103*, 399–413; **1991**, *30*, 361–374
- Nicolaou*, K. C., Ramphal, J. Y., Petasis, N. A., **Serhan*, C. N.**
Lipoxins and Related Eicosanoids: Biosynthesis, Biological Properties, and Chemical Synthesis
1991, *103*, 1119–1136; **1991**, *30*, 1100–1116
- Ebel*, S., **Seuring, A.**
Fully Automatic Potentiometric Titrations
1977, *89*, 129–141; **1977**, *16*, 157–169
- Severin, K.**, Berge, R., Beck*, W.
Bioorganometallic Chemistry—Transition Metal Complexes with α -Amino Acids and Peptides
1998, *110*, 1722–1743; **1998**, *37*, 1634–1654
- Seybold*, G.**
Flash Thermolysis of Organic Compounds
1977, *89*, 377–385; **1977**, *16*, 365–373
- Scherer*, H., **Seydel, G.**
Eigenkomplexe von Äthyl-äthoxy-aluminiumchlorid
1963, *75*, 846–851; –
- Köppel, H., Cederbaum*, L. S., Domcke, W., **Shaik, S.**
Symmetry Breaking and Non-Born-Oppenheimer Effects in Radical Cations
1983, *95*, 221–236; **1983**, *22*, 210–224
- Shaik*, S.**, Shurki, A.
Valence Bond Diagrams and Chemical Reactivity
1999, *111*, 616–657; **1999**, *38*, 586–625
- Shambayati, S.**, Crowe, W. E., Schreiber*, S. L.
On the Conformation and Structure of Organometal Complexes in the Solid State: Two Studies Relevant to Chemical Synthesis
1990, *102*, 273–290; **1990**, *29*, 256–272
- Shapiro*, B. M.**
Regulation of Glutamine Synthetase by Enzyme Catalyzed Structural Modification
1970, *82*, 689–698; **1970**, *9*, 670–678
- Sharkov*, V. I.**
Production of Polyhydric Alcohols from Wood Polysaccharides
Chem.-Ing.-Tech. **1963**, *35*, 494–497; **1963**, *2*, 405–409
- Sharma*, B. P.**, Bailey, L. F., Messing, R. A.
Immobilized Biomaterials—Techniques and Applications
1982, *94*, 836–852; **1982**, *21*, 837–854
- Sharma, R. K.**, Kharasch*, N.
The Photolysis of Iodoaromatic Compounds
1968, *80*, 69–77; **1968**, *7*, 36–44
- Sharp*, P. A.**
Split Genes and RNA Splicing (Nobel Lecture)
1994, *106*, 1292–1304; **1994**, *33*, 1229–1240
- Berrisford, D. J., Bolm, C., **Sharpless*, K. B.**
Ligand-Accelerated Catalysis
1995, *107*, 1159–1171; **1995**, *34*, 1059–1070
- Kolb, H. C., Finn, M. G., **Sharpless*, K. B.**
Click Chemistry: Diverse Chemical Function from a Few Good Reactions
2001, *113*, 2056–2075; **2001**, *40*, 2004–2021
- Bear, B. R., Sparks, S. M., **Shea*, K. J.**
The Type 2 Intramolecular Diels–Alder Reaction: Synthesis and Chemistry of Bridgehead Alkenes
2001, *113*, 864–894; **2001**, *40*, 820–849
- Lengyel*, I., **Sheehan, J. C.**
 α -Lactams (Aziridinones)
1968, *80*, 27–37; **1968**, *7*, 25–36
- Lieber*, C. M., Liu, J., **Sheehan, P. E.**
Understanding and Manipulating Inorganic Materials with Scanning Probe Microscopes
1996, *108*, 748–768; **1996**, *35*, 686–704
- Arends, I. W. C. E., **Sheldon*, R. A.**, Wallau, M., Schuchardt*, U.
Oxidative Transformations of Organic Compounds Mediated by Redox Molecular Sieves
1997, *109*, 1190–1211; **1997**, *36*, 1144–1163
- Sheldrick*, W. S.**, Wachhold, M.
Solventothermal Synthesis of Solid-State Chalcogenidometalates
1997, *109*, 214–233; **1997**, *36*, 206–224
- Sheline*, R. K.**, Slater, J. L.
Spectral Evidence for Lanthanoid and Actinoid Carbonyl Compounds
1975, *87*, 332–337; **1975**, *14*, 309–313
- Sheline*, R. K.**, Mahnke, H.
The Flipping of CO Ligand Groups in Metal Carbonyl Compounds and Its Frequency in Fe(CO)₅
1975, *87*, 337–345; **1975**, *14*, 314–321
- Shemyakin*, M. M.**, Bergelson, L. D.
Syntheses of Naturally Occurring Unsaturated Fatty Acids by Sterically Controlled Carbonyl Olefination
1964, *76*, 113–123; **1964**, *3*, 250–260
- Shemyakin*, M. M.**, Ovchinnikov, Yu. A., Ivanov, V. T.
Topochemical Investigations on Peptide Systems
1969, *81*, 523–529; **1969**, *8*, 492–499
- Shen*, T. Y.**
Nucleosides and Nucleotides as Potential Therapeutic Agents
1970, *82*, 730–740; **1970**, *9*, 678–688
Perspectives in Nonsteroidal Anti-Inflammatory Agents
1972, *84*, 512–526; **1972**, *11*, 460–472
- Fersht*, A. R., **Shi, J.-P.**, Wilkinson, A. J., Blow, D. M., Carter, P., Waye, M. M. Y., Winter, G. P.
Analysis of Enzyme Structure and Activity by Protein Engineering
1984, *96*, 455–462; **1984**, *23*, 467–473
- Shibasaki*, M.**, Sasai, H., Arai, T.
Asymmetric Catalysis with Heterobimetallic Compounds
1997, *109*, 1290–1311; **1997**, *36*, 1236–1256
- Vogl, E. M., Gröger, H., **Shibasaki*, M.**
Towards Perfect Asymmetric Catalysis: Additives and Cocatalysts
1999, *111*, 1672–1680; **1999**, *38*, 1570–1577
- Shibata*, S.**
Dual-Wavelength Spectrophotometry
1976, *88*, 750–757; **1976**, *15*, 673–679

- Reiser*, A., **Shih, H.-Y.**, Yeh, T.-F., Huang, J.-P.
Novolak-Diazoquinone Resists: The Imaging Systems of the Computer Chip
1996, *108*, 2610–2622; **1996**, *35*, 2428–2440
- Yamada*, H., **Shimizu*, S.**
Microbial and Enzymatic Processes for the Production of Biologically and Chemically Useful Compounds
1988, *100*, 640–661; **1988**, *27*, 622–642
- Addadi*, L., Berkovitch-Yellin, Z., Weissbuch, I., van Mil, J., **Shimon, L. J. W.**, Lahav*, M., Leiserowitz*, L.
Growth and Dissolution of Organic Crystals with “Tailor-Made” Inhibitors—Implications in Stereochemistry and Materials Science
1985, *97*, 476–496; **1985**, *24*, 466–485
- Bernstein*, J., Davis*, R. E., **Shimoni, L.**, Chang, N.-L.
Patterns in Hydrogen Bonding: Functionality and Graph Set Analysis in Crystals
1995, *107*, 1689–1708; **1995**, *34*, 1555–1573
- Douglas*, K. T., **Shinkai, S.**
Chemical Basis of the Action of Glyoxalase I, an Anticancer Target Enzyme
1985, *97*, 32–45; **1985**, *24*, 31–44
- James, T. D., Sandanayake, K. R. A. S., **Shinkai*, S.**
Saccharide Sensing with Molecular Receptors Based on Boronic Acid
1996, *108*, 2038–2050; **1996**, *35*, 1910–1922
- Shirakawa*, H.**
The Discovery of Polyacetylene Film: The Dawning of an Era of Conducting Polymers (Nobel Lecture)
2001, *113*, 2642–2648; **2001**, *40*, 2574–2580
- Shokat, K. M.**, Ko, M. K., Scanlan, T. S., Kochersperger, L., Yonkovich, S., Thaisrivongs, S., Schultz*, P. G.
Catalytic Antibodies: A New Class of Transition-State Analogues Used to Elicit Hydrolytic Antibodies
1990, *102*, 1339–1346; **1990**, *29*, 1296–1303
- Shaik*, S., **Shurki, A.**
Valence Bond Diagrams and Chemical Reactivity
1999, *111*, 616–657; **1999**, *38*, 586–625
- Sicher*, J.**
The *syn* and *anti* Steric Course in Bimolecular Olefin-Forming Eliminations
1972, *84*, 177–191; **1972**, *11*, 200–214
- Smidt*, J., Hafner, W., Jira, R., **Sieber, R.**, Sedlmeier, J., Sabel, A.
The Oxidation of Olefins with Palladium Chloride Catalysts
1962, *74*, 93–102; **1962**, *1*, 80–88
- Siebert*, W.**
2,3-Dihydro-1,3-diborole-Metal Complexes with Activated C–H Bonds: Building Blocks for Multilayered Sandwich Compounds
1985, *97*, 924–939; **1985**, *24*, 943–958
- Rüdorff*, W., Stumpp, E., Spriessler, W., **Siecke, F. W.**
Reactions of Graphite with Metal Chlorides
1963, *75*, 130–136; **1963**, *2*, 67–73
- Petersen*, S., Herlinger, H., Tietze, E., **Siefken, W.**
Syntheses in the 3-Aminoquinazolin-4-one and 3-Aminobenzotriazin-4-one Series
1962, *74*, 855–861; **1963**, *2*, 24–29
- Kleb*, K. G., **Siegel, E.**, Sasse, K.
New Reactive Dyes
1964, *76*, 423–431; **1964**, *3*, 408–416
- Siegel*, H.**, Himmele, W.
Synthesis of Intermediates by Rhodium-Catalyzed Hydroformylation
1980, *92*, 182–187; **1980**, *19*, 178–183
- Millauer, H., Schwertfeger, W., **Siegemund*, G.**
Hexafluoropropene Oxide—A Key Compound in Organofluorine Chemistry
1985, *97*, 164–182; **1985**, *24*, 161–179
- Siemsen, P.**, Livingston, R. C., Diederich*, F.
Acetylenic Coupling: A Powerful Tool in Molecular Construction
2000, *112*, 2740–2767; **2000**, *39*, 2632–2657
- Sierra*, M. A.**, de la Torre, M. C.
Dead Ends and Detours En Route to Total Syntheses of the 1990s
2000, *112*, 1628–1650; **2000**, *39*, 1538–1559
- Sies*, H.**
Biochemistry of the Peroxisome in the Liver Cell
1974, *86*, 789–801; **1974**, *13*, 706–718
Biochemistry of Oxidative Stress
1986, *98*, 1061–1075; **1986**, *25*, 1058–1071
- Folkers*, K., Johansson, N.-G., Hooper, F., Currie, B., **Sievertsson, H.**, Chang, J.-K., Bowers, C. Y.
Chemistry and Biosynthesis of the Hypothalamic Releasing and Inhibiting Neurohormones
1973, *85*, 271–280; **1973**, *12*, 255–264
- Sigel*, H.**
Catalase and Peroxidase Activity of Cu²⁺ Complexes
1969, *81*, 161–171; **1969**, *8*, 167–177
Ternary Cu²⁺ Complexes: Stability, Structure, and Reactivity
1975, *87*, 391–400; **1975**, *14*, 394–402
The Hydrophobic and Metal-Ion Coordinating Properties of α -Lipoic Acid—An Example of Intramolecular Equilibria in Metal Ion Complexes
1982, *94*, 421–432; **1982**, *21*, 389–400
- Stumm*, W., Schwarzenbach, R., **Sigg, L.**
From Environmental Analytical Chemistry to Ecotoxicology—A Plea for More Concepts and Less Monitoring and Testing
1983, *95*, 345–355; **1983**, *22*, 380–389
- Witt*, H. T., Rumberg, B., Schmidt-Mende, P., **Siggel, U.**, Skerra, B., Vater, J., Weikard, J.
On the Analysis of Photosynthesis by Flashlight Techniques
1965, *77*, 821–842; **1965**, *4*, 799–819
- Sih*, C. J.**, Chen, C.-S.
Microbial Asymmetric Catalysis—Enantioselective Reduction of Ketones
1984, *96*, 556–565; **1984**, *23*, 570–578
- Chen*, C.-S., **Sih*, C. J.**
General Aspects and Optimization of Enantioselective Biocatalysis in Organic Solvents: The Use of Lipases
1989, *101*, 711–724; **1989**, *28*, 695–707
- MacConnell, J. G., **Silverstein*, R. M.**
Recent Results in Insect Pheromone Chemistry
1973, *85*, 647–657; **1973**, *12*, 644–654
- Simchen*, G.**, Entenmann, G.
Syntheses of Heterocycles by Intramolecular Acylation of Nitrile-Hydrogen Halide Adducts
1973, *85*, 155–162; **1973**, *12*, 119–126
- Sime*, R. L.**
Lise Meitner and Fission: Fallout from the Discovery
1991, *103*, 956–967; **1991**, *30*, 942–953
- Simon*, A.**
Condensed Metal Clusters
1981, *93*, 23–44; **1981**, *20*, 1–22
Intermetallic Compounds and the Use of Atomic Radii in Their Description
1983, *95*, 94–113; **1983**, *22*, 95–113
Clusters of Valence Electron Poor Metals—Structure, Bonding, and Properties
1988, *100*, 163–188; **1988**, *27*, 159–183
- Köhler*, J., Svensson*, G., **Simon*, A.**
Oxonobates Containing Metal Clusters
1992, *104*, 1463–1483; **1992**, *31*, 1437–1456
- Simon*, A.**
Superconductivity and Chemistry
1997, *109*, 1872–1891; **1997**, *36*, 1788–1806

- Simon*, H.**, Palm, D.
Isotope Effects in Organic Chemistry and Biochemistry
1966, 78, 993–1007; **1966**, 5, 920–933
- Simon*, H.**, Bader, J., Günther, H., Neumann, S., Thanos, J.
Chiral Compounds Synthesized by Biocatalytic Reductions
1985, 97, 541–555; **1985**, 24, 539–553
- Simon*, W.**
Structure and Acidity of Organic Compounds
1964, 76, 772–780; **1964**, 3, 661–668
- Simon*, W.**, Giacobbo, H.
Thermal Fragmentation and Determination of the Structure of Organic Compounds
Chem.-Ing.-Tech. **1965**, 37, 709–714; **1965**, 4, 938–943
- Simon*, W.**, Wuhrmann, H.-R., Vašák, M., Pioda, L. A. R., Dohner, R., Štefanac, Z.
Ion-Selective Sensors
1970, 82, 433–443; **1970**, 9, 445–455
- Simon*, Z.**
Specific Interactions, Intermolecular Forces, Steric Requirements, and Molecular Size
1974, 86, 802–811; **1974**, 13, 719–727
- Asquith*, R. S., Otterburn, M. S., **Sinclair, W. J.**
Isopeptide Crosslinks – Their Occurrence and Importance in Protein Structure
1974, 86, 580–587; **1974**, 13, 514–520
- Zang*, K. D., **Singer, H.**
The Cytogenetics of Human Tumors
1968, 80, 726–736; **1968**, 7, 709–718
- Sinn, H.**, Patat*, F.
The Mechanism of the Action of Organometallic Catalysts
1963, 75, 805–813; **1964**, 3, 93–101
- Sinn*, H.**, Kaminsky, W., Janning, J.
Processing of Plastic Waste and Scrap Tires into Chemical Raw Materials, Especially by Pyrolysis
1976, 88, 737–750; **1976**, 15, 660–672
- Sippel*, A.**, Heim, E.
Eine neue Verteilungsfunktion und ihre Anwendung auf verschiedene Wissensgebiete
1962, 74, 580–585; –
- Hartmann*, G. R., Behr, W., Beissner, K.-A., Honikel, K., **Sippel, A.**
Antibiotics as Inhibitors of Nucleic Acid and Protein Synthesis
1968, 80, 710–718; **1968**, 7, 693–701
- Masamune*, S., Choy, W., Petersen, J. S., **Sita, L. R.**
Double Asymmetric Synthesis and a New Strategy for Stereochemical Control in Organic Syntheses
1985, 97, 1–31; **1985**, 24, 1–30
- Skell*, P. S.**, McGlinchey, M. J.
Reactions of Transition Metal Atoms with Organic Substrates
1975, 87, 215–219; **1975**, 14, 195–199
- Witt*, H. T., Rumberg, B., Schmidt-Mende, P., Siggel, U., **Skerra, B.**, Vater, J., Weikard, J.
On the Analysis of Photosynthesis by Flashlight Techniques
1965, 77, 821–842; **1965**, 4, 799–819
- Emanuel*, N. M., Maizus, Z. K., **Skibida, I. P.**
The Catalytic Activity of Transition Metal Compounds in the Liquid-Phase Oxidation of Hydrocarbons
1969, 81, 91–101; **1969**, 8, 97–107
- Skou*, J. C.**
The Identification of the Sodium–Potassium Pump (Nobel Lecture)
1998, 110, 2452–2461; **1998**, 37, 2320–2328
- Rys*, P., **Skrabal, P.**, Zollinger, H.
Structure and Stereochemistry of the Transition States and Intermediates of Heterolytic Aromatic Substitutions
1972, 84, 921–930; **1972**, 11, 874–883
- Hartmann*, G. R., Heinrich, P., Kollenda, M. C., **Skrobranek, B.**, Tropschug, M., Weiss, W.
Molecular Mechanism of Action of the Antibiotic Rifampicin
1985, 97, 1011–1017; **1985**, 24, 1009–1014
- Sheline*, R. K., **Slater, J. L.**
Spectral Evidence for Lanthanoid and Actinoid Carbonyl Compounds
1975, 87, 332–337; **1975**, 14, 309–313
- Sleytr*, U. B.**, Messner, P., Pum, D., Sára, M.
Crystalline Bacterial Cell Surface Layers (S Layers): From Supramolecular Cell Structure to Biomimetics and Nanotechnology
1999, 111, 1098–1120; **1999**, 38, 1034–1054
- Sliwka*, W.**
Microencapsulation
1975, 87, 556–567; **1975**, 14, 539–550
- Kresze*, G., Maschke, A., Albrecht, R., Bederke, K., Patzschke, H. P., **Smalla, H.**, Trede, A.
Organic *N*-Sulfinyl Compounds
1962, 74, 135–144; **1962**, 1, 89–98
- Smalley*, R. E.**
Discovering the Fullerenes (Nobel Lecture)
1997, 109, 1666–1673; **1997**, 36, 1594–1601
- Smets*, G.**
Chemical Reactions and Microtacticity of High Polymers
1962, 74, 337–342; **1962**, 1, 306–311
- Smid*, J.**
Structure of Ion Pair Solvation Complexes
1972, 84, 127–144; **1972**, 11, 112–127
- Smidt*, J.**, Hafner, W., Jira, R., Sieber, R., Sedlmeier, J., Sabel, A.
The Oxidation of Olefins with Palladium Chloride Catalysts
1962, 74, 93–102; **1962**, 1, 80–88
- Smith*, M.**
Synthetic DNA and Biology (Nobel Lecture)
1994, 106, 1277–1284; **1994**, 33, 1214–1221
- Sprague*, B. S., Greene, H. E., Reuter, L. F., **Smith, R. D.**
Copolymers and Fibers from Vinylidenedicarbonitrile
1962, 74, 545–550; **1962**, 1, 425–430
- Smith*, W. C.**
The Chemistry of Sulfur Tetrafluoride
1962, 74, 742–751; **1962**, 1, 467–475
- Snatzke*, G.**
Circular Dichroism and Optical Rotatory Dispersion – Principles and Application to the Investigation of the Stereochemistry of Natural Products
1968, 80, 15–26; **1968**, 7, 14–25
- Circular Dichroism and Absolute Conformation—Application of Qualitative MO Theory to Chiroptical Phenomena
1979, 91, 380–393; **1979**, 18, 363–377
- Zeiss*, H. H., **Sneeden, R. P. A.**
Sigma-Bonded Organochromium Compounds. Hydrogen Transfer Reactions
1967, 79, 401–408; **1967**, 6, 435–442
- Oppolzer*, W., **Snieckus, V.**
Intramolecular Ene Reactions in Organic Synthesis
1978, 90, 506–516; **1978**, 17, 476–486
- Knunyants*, I. L., **Sokolski, G. A.**
Fluorinated β -Sultones
1972, 84, 623–635; **1972**, 11, 583–595
- Solladić*, G.**, Zimmermann, R. G.
Liquid Crystals: A Tool for Studies on Chirality
1984, 96, 335–349; **1984**, 23, 348–362
- Solomon*, E. I.**, Chen, P., Metz, M., Lee, S.-K., Palmer, A. E.
Oxygen Binding, Activation, and Reduction to Water by Copper Proteins
2001, 113, 4702–4724; **2001**, 40, 4570–4590

Bock*, H., **Solouki, B.**

Photoelectron Spectra and Molecular Properties. Real-Time Gas Analysis in Flow Systems

1981, *93*, 425–442; **1981**, *20*, 427–444

Bock*, H., Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F., Arad, C., Göbel, I., John, A., Meuret, J., Nick, S., Rauschenbach, A., Seitz, W., Vaupel, T., **Solouki, B.**

Distorted Molecules: Perturbation Design, Preparation and Structures

1992, *104*, 564–595; **1992**, *31*, 550–581

Sommer*, L. H.

The Stereochemistry of Organosilicon Compounds

1962, *74*, 176–182; **1962**, *1*, 143–148

Somoano*, R. B.

Photoacoustic Spectroscopy of Condensed Matter

1978, *90*, 250–258; **1978**, *17*, 238–245

Somorjai*, G. A.

The Surface Chemical Bond

1977, *89*, 94–102; **1977**, *16*, 92–99

Murai*, S., **Sonoda, N.**

Catalytic Reactions with Hydrosilane and Carbon Monoxide

1979, *91*, 896–905; **1979**, *18*, 837–846

Ryu*, I., **Sonoda, N.**

Free-Radical Carbonylations: Then and Now

1996, *108*, 1140–1157; **1996**, *35*, 1050–1066

Sosnovsky*, G., Lawesson, S.-O.

The Peroxyester Reaction

1964, *76*, 218–225; **1964**, *3*, 269–276

Bear, B. R., **Sparks, S. M.**, Shea*, K. J.

The Type 2 Intramolecular Diels–Alder Reaction: Synthesis and Chemistry of Bridgehead Alkenes

2001, *113*, 864–894; **2001**, *40*, 820–849

Specker*, H.

Problems and Possibilities of Modern Trace Analysis

1968, *80*, 297–304; **1968**, *7*, 252–259

Specker*, H., Kettrup, A.

Classification of Partition Reactions of Inorganic Cations

1969, *81*, 888–895; **1969**, *8*, 853–860

Spenser*, I. D., White, R. L.

Biosynthesis of Vitamin B₁ (Thiamin): An Instance of Biochemical Diversity

1997, *109*, 1096–1111; **1997**, *36*, 1032–1046

Obe, G., **Sperling, K.**, Belitz*, H. J.

Some Aspects of Chemical Mutagenesis in Man and in *Drosophila*

1971, *83*, 301–314; **1971**, *10*, 302–314

Gütlich*, P., Hauser, A., **Spiering, H.**

thermal and Optical Switching of Iron(II) Complexes

1994, *106*, 2109–2141; **1994**, *33*, 2024–2054

Blümich, B., **Spiess*, H. W.**

Two-Dimensional Solid-State NMR spectroscopy: New Possibilities for the Investigation of the Structure and Dynamics of Solid Polymers

1988, *100*, 1716–1734; **1988**, *27*, 1655–1672

Spiteller*, G., Spiteller-Friedmann, M.

Relationships between Structures and Mass Spectra of Organic Compounds

1965, *77*, 393–405; **1965**, *4*, 383–393

Spiteller*, G.

Combination of Chromatographic Separation Methods with Mass Spectrometry—a Modern Technique for Studying Metabolism

1985, *97*, 461–476; **1985**, *24*, 451–465

Spiteller*, G., **Spiteller-Friedmann, M.**

Relationships between Structures and Mass Spectra of Organic Compounds

1965, *77*, 393–405; **1965**, *4*, 383–393

Bogdanović*, B., Ritter, A., **Spilthoff, B.**

Active MgH₂–Mg Systems for Reversible Chemical Energy Storage

1990, *102*, 239–250; **1990**, *29*, 223–234

Breitmaier*, E., **Spohn, K.-H.**, Berger, S.

¹³C Spin-Lattice Relaxation Times and the Mobility of Organic Molecules in Solution

1975, *87*, 152–168; **1975**, *14*, 144–159

Golden, D. M., **Spokes, G. N.**, Benson*, S. W.

Very Low-Pressure Pyrolysis (VLPP); A Versatile Kinetic Tool

1973, *85*, 602–614; **1973**, *12*, 534–546

Sprague*, B. S., Greene, H. E., Reuter, L. F., Smith, R. D.

Copolymers and Fibers from Vinylidenedicarbonitrile

1962, *74*, 545–550; **1962**, *1*, 425–430

Sprenger*, H.-E., Ziegenbein, W.

Cyclobutenediylum Dyes

1968, *80*, 541–546; **1968**, *7*, 530–535

Rüdorff*, W., Stumpp, E., **Spriessler, W.**, Siecke, F. W.

Reactions of Graphite with Metal Chlorides

1963, *75*, 130–136; **1963**, *2*, 67–73

Springer*, G. F.

Relation of Microbes to Blood-Group Active Substances

1966, *78*, 967–978; **1966**, *5*, 909–920

Chládek, S., **Sprinzl*, M.**

The 3'-End of tRNA and Its Role in Protein Synthesis

1985, *97*, 377–398; **1985**, *24*, 371–391

St. Hilaire, P. M., Meldal*, M.

Glycopeptide and Oligosaccharide Libraries

2000, *112*, 1210–1228; **2000**, *39*, 1162–1179

Staab*, H. A.

Syntheses Using Heterocyclic Amides (Azolides)

1962, *74*, 407–423; **1962**, *1*, 351–367

Staab*, H. A., Saupe, T.

“Proton Sponges” and the Geometry of Hydrogen Bonds:

Aromatic Nitrogen Bases with Exceptional Basicities

1988, *100*, 895–909; **1988**, *27*, 865–879

Fischer, K., Jonas, K., Misbach, P., **Stabba, R.**, Wilke*, G.

The “Nickel Effect”

1973, *85*, 1002–1012; **1973**, *12*, 943–953

Staendeke*, H., Kleiner, H.-J.

Methylchlorophosphanes and Their Reaction Products

1973, *85*, 973–978; **1973**, *12*, 877–881

Stahl*, E.

Gradient and Low-Temperature Thin-Layer Chromatography

Chem.-Ing.-Tech. **1964**, *36*, 941–947; **1964**, *3*, 784–791

Stahl*, E., Schilz, W., Schütz, E., Willing, E.

A Quick Method for the Microanalytical Evaluation of the

Dissolving Power of Supercritical Gases

1978, *90*, 778–785; **1978**, *17*, 731–738

Stahl*, E.

A Quarter Century of Thin-Layer Chromatography—An Interim Report

1983, *95*, 515–524; **1983**, *22*, 507–516

Stahl*, S. S., Labinger, J. A., Bercaw, J. E.

Homogeneous Oxidation of Alkanes by Electrophilic Late Transition Metals

1998, *110*, 2298–2311; **1998**, *37*, 2180–2192

Stang*, P. J.

Alkynyl- and Alkenyl(phenyl)iodonium Compounds

1992, *104*, 281–292; **1992**, *31*, 274–285

Lunk*, H., **Stange, K.**

Synthetic Paper

1971, *83*, 347–354; **1971**, *10*, 287–294

- Quinkert *, G., **Stark, H.**
Stereoselective Synthesis of Enantiomerically Pure Natural Products—Estrone as Example
1983, 95, 651–669; **1983**, 22, 637–655
- Starlinger *, P.**
Die genetische Regulation der Enzymsynthese
1963, 75, 71–77; –
- Staschewski *, D.**
The Stable Isotopes of Oxygen in Research and Technical Applications
1974, 86, 387–400; **1974**, 13, 357–370
- Wiberg *, E., Stecher, O., Andrascheck, H. J., Kreuzbichler, L., **Stade, E.**
Recent Developments in the Chemistry of Metal Silyls of the Type $M(SiR_3)_n$
1963, 75, 516–524; **1963**, 2, 507–515
- Stec *, W. J., Wilk, A.**
Stereocontrolled Synthesis of Oligo(nucleoside phosphorothioate)s
1994, 106, 747–761; **1994**, 33, 709–722
- Wiberg *, E., **Stecher, O.**, Andrascheck, H. J., Kreuzbichler, L., **Stade, E.**
Recent Developments in the Chemistry of Metal Silyls of the Type $M(SiR_3)_n$
1963, 75, 516–524; **1963**, 2, 507–515
- Steckhan *, E.**
Indirect Electroorganic Syntheses—A Modern Chapter of Organic Electrochemistry
1986, 98, 681–699; **1986**, 25, 683–701
- Simon *, W., Wuhrmann, H.-R., Vařák, M., Pioda, L. A. R., Dohner, R., **Štefanac, Z.**
Ion-Selective Sensors
1970, 82, 433–443; **1970**, 9, 445–455
- Höfle, G., **Steglich, W.**, Vorbrüggen *, H.
4-Dialkylaminopyridines as Highly Active Acylation Catalysts
1978, 90, 602–615; **1978**, 17, 569–583
- Sauter *, H., **Steglich, W.**, Anke, T.
Strobilurins: Evolution of a New Class of Active Substances
1999, 111, 1416–1438; **1999**, 38, 1328–1349
- Nübling *, W., **Steidle, W.**
The “Dokumentationsring der chemisch-pharmazeutischen Industrie”; Aims and Methods
1970, 82, 618–621; **1970**, 9, 596–598
- Schier *, O., Nübling, W., **Steidle, W.**, Valls, J.
A System for the Documentation of Chemical Reactions
1970, 82, 622–628; **1970**, 9, 599–604
- Lancel *, M., **Steiger, A.**
Sleep and Its Modulation by Drugs That Affect GABA_A Receptor Function
1999, 111, 3024–3037; **1999**, 38, 2852–2864
- Seel *, F., **Steigner, E.**, Burger, I.
A New Method for the Determination of Fluorine
1964, 76, 532–534; **1964**, 3, 424–425
- Ugi *, I., Bauer, J., Bley, K., Dengler, A., Dietz, A., Fontain, E., Gruber, B., Herges, R., Knauer, M., Reitsam, K., **Stein, N.**
Computer-Assisted Solution of Chemical Problems—The Historical Development and the Present State of the Art of a New Discipline of Chemistry
1993, 105, 210–239; **1993**, 32, 201–227
- Moore *, S., **Stein *, W. H.**
Die chemische Struktur der Pankreas-Ribonuclease und -Desoxyribonuclease (Nobel Lecture)
1973, 85, 1074–1083; –
- Steinborn *, D.**
On the Influence of Heteroatoms in α - and β -Functionalized Alkyl Transition-Metal Compounds
1992, 104, 392–412; **1992**, 31, 401–421
- Janshoff, A., Galla, H.-J., **Steinem *, C.**
Piezoelectric Mass-Sensing Devices as Biosensors—An Alternative to Optical Biosensors?
2000, 112, 4164–4195; **2000**, 39, 4004–4032
- Wilke *, G., Bogdanović, B., Hardt, P., Heimbach, P., Keim, W., Kröner, M., Oberkirch, W., Tanaka, K., **Steinrück, E.**, Walter, D., Zimmermann, H.
Allyl-Transition Metal Systems
1966, 78, 157–172; **1966**, 5, 151–164
- Steinsträsser *, R.**, Pohl, L.
Chemistry and Applications of Liquid Crystals
1973, 85, 706–720; **1973**, 12, 617–630
- Viehe *, H. G., Merényi, R., **Stella, L.**, Janousek, Z.
Capto-dative Substituent Effects in Syntheses with Radicals and Radicophiles
1979, 91, 982–997; **1979**, 18, 917–932
- Stella *, L.**
Homolytic Cyclizations of *N*-Chloroalkenylamines
1983, 95, 368–380; **1983**, 22, 337–350
- Powell *, K. A., Ramer, S. W., del Cardayré, S. B., **Stemmer, W. P. C.**, Tobin, M. B., Longchamp, P. F., Huisman, G. W.
Directed Evolution and Biocatalysis
2001, 113, 4068–4080; **2001**, 40, 3948–3959
- Hoffmann *, E. G., **Stempf, W.**, Schroth, G., Weimann, B., Ziegler, E., Brandt, J.
Use of a Computer in Nuclear Magnetic Resonance Spectroscopy
1972, 84, 400–411; **1972**, 11, 375–386
- Stenger *, V. A.**
Some Advances in the Inorganic Chemistry of Bromine
1966, 78, 313–321; **1966**, 5, 280–287
- Stephan *, D. W.**
Zirconium-Phosphorus Chemistry: Strategies in Syntheses, Reactivity, Catalysis, and Utility
2000, 112, 322–338; **2000**, 39, 314–329
- Hammond *, G. S., **Stephenson, L. M.**
Deactivation of Excited States
1969, 81, 279–289; **1969**, 8, 261–270
- Süs *, O., Munder, J., **Steppan, H.**
Neue Entwicklungen auf dem Gebiet der vorsensibilisierten Druckfolien
1962, 74, 985–988; –
- Steppan, H.**, Buhr, G., Vollmann *, H. W.
The Resist Technique—A Chemical Contribution to Electronics
1982, 94, 471–485; **1982**, 21, 455–469
- Englisch *, U., Gauss, D. H., Freist, W., Englisch, S., **Sternbach, H.**, von der Haar, F.
Error Rates of the Replication and Expression of Genetic Information
1985, 97, 1033–1043; **1985**, 24, 1015–1025
- Sternbach *, L. H.**
1,4-Benzodiazepines. Chemistry and Some Aspects of the Structure–Activity Relationship
1971, 83, 70–79; **1971**, 10, 34–43
- Stetter *, H.**
Advances in the Chemistry of Organic Ring Systems with Adamantane Type Structures
1962, 74, 361–374; **1962**, 1, 286–298
- Catalyzed Addition of Aldehydes to Activated Double Bonds—A New Synthetic Approach
1976, 88, 695–704; **1976**, 15, 639–647

- Stetter*, J., Lieb, F.**
Innovation in Crop Protection: Trends in Research
2000, *112*, 1792–1812; **2000**, *39*, 1724–1744
- Schenk*, P. W., **Steudel, R.**
New Findings in the Chemistry of the Lower Oxides of Sulfur
1965, *77*, 437–445; **1965**, *4*, 402–409
- Steudel*, R.**
Properties of Sulfur-Sulfur Bonds
1975, *87*, 683–692; **1975**, *14*, 655–664
- Stille*, J. K.**
The Palladium-Catalyzed Cross-Coupling Reactions of Organotin Reagents with Organic Electrophiles
1986, *98*, 504–519; **1986**, *25*, 508–524
- Seebach*, D., **Sting, A. R.**, Hoffmann, Matthias
Self-Regeneration of Stereocenters (SRS)—Applications, Limitations, and Abandonment of a Synthetic Principle
1996, *108*, 2880–2921; **1996**, *35*, 2708–2748
- Colquhoun, H. M., **Stoddart*, J. F.**, Williams, D. J.
Second-Sphere Coordination—a Novel Rôle for Molecular Receptors
1986, *98*, 483–503; **1986**, *25*, 487–507
- Philp, D., **Stoddart*, J. F.**
Self-Assembly in Natural and Unnatural Systems
1996, *108*, 1242–1286; **1996**, *35*, 1154–1196
- Balzani*, V., Credi, A., Raymo, F. M., **Stoddart*, J. F.**
Artificial Molecular Machines
2000, *112*, 3484–3530; **2000**, *39*, 3348–3391
- Stoffel*, W.**
The Myelin Membrane of the Central Nervous System—Essential Macromolecular Structure and Function
1990, *102*, 987–1005; **1990**, *29*, 958–976
- Goldmann*, S., **Stoltefuss, J.**
1,4-Dihydropyridines: Effects of Chirality and Conformation on the Calcium Antagonist and Calcium Agonist Activities
1991, *103*, 1587–1605; **1991**, *30*, 1559–1578
- Bruce, M. I., **Stone*, F. G. A.**
Dodecacarbonyltriruthenium
1968, *80*, 460–465; **1968**, *7*, 427–432
Nucleophilic Reactions of Metal Carbonyl Anions with Fluorocarbons
1968, *80*, 835–841; **1968**, *7*, 747–753
- Stone*, F. G. A.**
Metal–Carbon and Metal–Metal Multiple Bonds as Ligands in Transition–Metal Chemistry: The Isolobal Connection
1984, *96*, 85–96; **1984**, *23*, 89–99
- Manecke*, G., **Storck, W.**
Polymeric Catalysts
1978, *90*, 691–704; **1978**, *17*, 657–670
- Dehnicke, K., **Strähle*, J.**
The Transition Metal–Nitrogen Multiple Bond
1981, *93*, 451–464; **1981**, *20*, 413–426
- Beck*, J., **Strähle, J.**
The Pentazadienide Ion as a Ligand in Metal Complexes
1988, *100*, 927–932; **1988**, *27*, 896–901
- Dehnicke*, K., **Strähle, J.**
Nitrido Complexes of Transition Metals
1992, *104*, 978–1000; **1992**, *31*, 955–978
- Sträter, N.**, Lipscomb*, W. N., Klabunde, T., Krebs*, B.
Two-Metal Ion Catalysis in Enzymatic Acyl- and Phosphoryl-Transfer Reactions
1996, *108*, 2158–2190; **1996**, *35*, 2024–2055
- Saier*, H.-D., **Strathmann, H.**
Asymmetric Membranes: Preparation and Applications
1975, *87*, 476–483; **1975**, *14*, 457–459
- Strazewski, P.**, Tamm*, C.
Replication Experiments with Nucleotide Base Analogues
1990, *102*, 37–59; **1990**, *29*, 36–57
- Kahlweit*, M., **Strey, R.**
Phase Behavior of Ternary Systems of the Type H₂O–Oil–Nonionic Amphiphile (Microemulsions)
1985, *97*, 655–669; **1985**, *24*, 654–668
- Bursten*, B. E., **Strittmatter, R. J.**
Cyclopentadienyl-Actinide Complexes: Bonding and Electronic Structure
1991, *103*, 1085–1103; **1991**, *30*, 1069–1085
- Strohmeier*, W.**
Photochemical Substitutions on Metal Carbonyls and Their Derivatives
1964, *76*, 873–881; **1964**, *3*, 730–737
- Ströker*, E.**
Element and Compound. On the Scientific History of Two Fundamental Chemical Concepts
1968, *80*, 747–753; **1968**, *7*, 718–724
- Strominger*, J. L.**
Nucleotide Intermediates in the Biosynthesis of Polysaccharides
1962, *74*, 194–202; **1962**, *1*, 134–142
- Strukul*, G.**
Transition Metal Catalysis in the Baeyer–Villiger Oxidation of Ketones
1998, *110*, 1256–1267; **1998**, *37*, 1198–1209
- Stuart*, H. A.**
Physical Causes of Aging in Plastics
1967, *79*, 877–884; **1967**, *6*, 844–851
- Hamprecht*, G., König, K.-H., **Stubenrauch, G.**
Alkylsulfamoyl Chlorides as Key Units in the Synthesis of Novel Biologically Active Compounds for Crop Protection
1981, *93*, 151–163; **1981**, *20*, 151–164
- Stumm*, W.**, Schwarzenbach, R., Sigg, L.
From Environmental Analytical Chemistry to Ecotoxicology—A Plea for More Concepts and Less Monitoring and Testing
1983, *95*, 345–355; **1983**, *22*, 380–389
- Rüdorff*, W., **Stumpp, E.**, Spriessler, W., Siecke, F. W.
Reactions of Graphite with Metal Chlorides
1963, *75*, 130–136; **1963**, *2*, 67–73
- Hafner*, K., Häfner, K. H., König, C., Kreuder, M., Ploss, G., Schulz, G., **Sturm, E.**, Vöpel, K. H.
Fulvenes as Isomers of Benzenoid Compounds
1963, *75*, 35–46; **1963**, *2*, 123–134
- Stütz*, A.**
Allylamine Derivatives—A New Class of Active Substances in Antifungal Chemotherapy
1987, *99*, 323–331; **1987**, *26*, 320–328
- Suckling*, C. J.**
The Cyclopropyl Group in Studies of Enzyme Mechanism and Inhibition
1988, *100*, 555–570; **1988**, *27*, 537–552
- Suhr*, H.**
Organic Syntheses in the Plasma of Glow Discharges and Their Preparative Application
1972, *84*, 876–886; **1972**, *11*, 781–792
- George*, M. V., Mitra, A., **Sukumaran, K. B.**
Thermal and Photochemical Transformations of Hetero-1,3,5-hexatrienes into Five-Membered Rings—Possible Pericyclic Reactions
1980, *92*, 1005–1014; **1980**, *19*, 973–983
- Hardt, D., **Süling*, C.**, Lindner, C., Morbitzer, L.
Single-Phase Polymer Alloys of Polyvinyl Chloride and New Polymers
1982, *94*, 159–169; **1982**, *21*, 174–184

Sumper, M., Reitmeier, H., Oesterhelt*, D.
Biosynthesis of the Purple Membrane of Halobacteria
1976, 88, 203–210; **1976**, 15, 187–194

Sund*, H., Weber, K.
The Quaternary Structure of Proteins
1966, 78, 217–232; **1966**, 5, 231–245

Sundermeyer*, W.
Fused Salts and Their Use as Reaction Media
1965, 77, 241–258; **1965**, 4, 222–238

Sundermeyer*, W., Verbeek, W.
A Method for the Preparation of Methylmetal Compounds
1966, 78, 107–112; **1966**, 5, 1–6

Luckenbach*, R., Ecker, R., **Sunkel, J.**
The Critical Screening and Assessment of Scientific Results
without Loss of Information—Possible or Not?
1981, 93, 876–885; **1981**, 20, 841–849

Süs*, O., Munder, J., Steppan, H.
Neue Entwicklungen auf dem Gebiet der vorsensibilisierten
Druckfolien
1962, 74, 985–988; –

Suschnitzky*, H.
Aromatic Fluorine as a Chemical Label for Detecting Reaction
Mechanisms
1967, 79, 636–648; **1967**, 6, 596–607

Iddon, B., Meth-Cohn, O., Scriven, E. F. V., **Suschnitzky*, H.**,
Gallagher, P. T.
Developments in Arylnitrene Chemistry: Syntheses and Mecha-
nisms
1979, 91, 965–982; **1979**, 18, 900–917

Schwabe*, K., **Suschnke, H. D.**
Theories of the Glass Electrode
1964, 76, 39–49; **1964**, 3, 36–46

Sauer*, J., **Sustmann, R.**
Mechanistic Aspects of Diels-Alder Reactions: A Critical Survey
1980, 92, 773–801; **1980**, 19, 779–807

Sutherland*, E. W.
Untersuchungen zur Wirkungsweise der Hormone (Nobel Lec-
ture)
1972, 84, 1117–1125; –

Noyori*, R., **Suzuki, M.**
Prostaglandin Syntheses by Three-Component Coupling
1984, 96, 854–882; **1984**, 23, 847–876

Köhler*, J., **Svensson*, G.**, Simon*, A.
Oxonobates Containing Metal Clusters
1992, 104, 1463–1483; **1992**, 31, 1437–1456

Lindberg*, B., Björndal, H., Hellerqvist, C. G., **Svensson, S.**
Gas-Liquid Chromatography and Mass Spectrometry in Methyl-
ation Analysis of Polysaccharides
1970, 82, 643–652; **1970**, 9, 610–619

van Wasen, U., **Swaid, I.**, Schneider*, G. M.
Physicochemical Principles and Applications of Supercritical Fluid
Chromatography (SFC)
1980, 92, 585–598; **1980**, 19, 575–587

Szmant*, H. H.
The Mechanism of the Wolff-Kishner Reduction, Elimination, and
Isomerization Reactions
1968, 80, 141–149; **1968**, 7, 120–128

Famulok*, M., **Szostak*, J. W.**
In Vitro Selection of Specific Ligand-binding Nucleic Acids
1992, 104, 1001–1011; **1992**, 31, 979–988



Dennis, N., Katritzky*, A. R., **Takeuchi, Y.**
Synthetic Applications of Heteroaromatic Betaines with Six-
Membered Rings
1976, 88, 41–49; **1976**, 15, 1–9

Wright*, J. C., **Tallant, D. R.**, Gustafson, F. J., Johnston, M. V.,
Miller, M. P., Moore, D. S., Porter, L. C., Akse, J. R.
Applications of SEPIL to the Solid State Defect Chemistry of
Fluorites and Ultra-Trace Inorganic Analysis
1979, 91, 765–780; **1979**, 18, 738–752

Talsky*, G.
The Anomalous Temperature Dependence of Enzyme-Catalyzed
Reactions
1971, 83, 553–560; **1971**, 10, 548–554

Talsky*, G., Mayring, L., Kreuzer, H.
High-Resolution Higher-Order UV/VIS Derivative Spectropho-
tometry
1978, 90, 840–854; **1978**, 17, 785–799

Tamm*, C.
Conversion of Natural Substances by Microbial Enzymes
1962, 74, 225–243; **1962**, 1, 178–195

Binder, M., **Tamm*, C.**
The Cytochalasins: A New Class of Biologically Active Microbial
Metabolites
1973, 85, 369–381; **1973**, 12, 370–380

Strazewski, P., **Tamm*, C.**
Replication Experiments with Nucleotide Base Analogues
1990, 102, 37–59; **1990**, 29, 36–57

Wilke*, G., Bogdanović, B., Hardt, P., Heimbach, P., Keim, W.,
Kröner, M., Oberkirch, W., **Tanaka, K.**, Steinrück, E., Walter, D.,
Zimmermann, H.
Allyl-Transition Metal Systems
1966, 78, 157–172; **1966**, 5, 151–164

Bönnemann*, H., Grard, C., Kopp, W., Pump, W., **Tanaka, K.**,
Wilke, G.
The Allylcobalt System
1973, 85, 1024–1035; **1973**, 12, 964–974

Tanner*, D.
Chiral Aziridines—Their Synthesis and Use in Stereoselective
Transformations
1994, 106, 625–646; **1994**, 33, 599–619

Holtschmidt*, H., Degener, E., Schmelzer, H.-G., **Tarnow, H.**,
Zeicher, W.
Preparation, Properties, and Reactions of Polychloroamine De-
rivatives
1968, 80, 942–953; **1968**, 7, 856–867

Kühle*, E., Anders, B., Klauke, E., **Tarnow, H.**, Zumach, G.
Reactions of Isocyanide Dihalides and Their Derivatives
1969, 81, 18–32; **1969**, 8, 20–34

Taube*, H.
Electron Transfer between Metal Complexes—A Retrospective
View (Nobel Lecture)
1984, 96, 315–326; **1984**, 23, 329–339

Taylor, S. V., Kast, P., Hilvert*, D.
Investigating and Engineering Enzymes by Genetic Selection
2001, 113, 3408–3436; **2001**, 40, 3310–3335

Davis, A. M., **Teague*, S. J.**
Hydrogen Bonding, Hydrophobic Interactions, and Failure of the
Rigid Receptor Hypothesis
1999, 111, 778–792; **1999**, 38, 736–749

Tedder*, J. M.

Which Factors Determine the Reactivity and Regioselectivity of Free Radical Substitution and Addition Reactions?

1982, *94*, 433–442; **1982**, *21*, 401–410

Hilgetag*, G., Teichmann, H.

Alkylating Properties of Alkyl Thiophosphates

1965, *77*, 1001–1009; **1965**, *4*, 914–922

Teichmann, H., Hilgetag*, G.

Nucleophilic Reactivity of the Thiophosphoryl Group

1967, *79*, 1077–1088; **1967**, *6*, 1013–1023

Mikami*, K., **Terada, M.**, Korenaga, T., Matsumoto, Y., Ueki, M., Angelaud, R.

Asymmetric Activation

2000, *112*, 3676–3701; **2000**, *39*, 3532–3556

Green*, M. M., Park, J.-W., Sato, T., **Teramoto, A.**, Lifson, S., Selinger, R. L. B., Selinger, J. V.

The Macromolecular Route to Chiral Amplification

1999, *111*, 3328–3345; **1999**, *38*, 3138–3154

Andersson*, S., Lidin, S., Jacob, M., **Terasaki, O.**

On the Quasicrystalline State

1991, *103*, 771–775; **1991**, *30*, 754–758

Terlouw, J. K., Schwarz*, H.

The Generation and Characterization of Molecules by Neutralization–Reionization Mass Spectrometry (NRMS)

1987, *99*, 829–839; **1987**, *26*, 805–815

Försterling, H.-D., Kuhn*, H., Tews, K.-H.

Computer Model of the Formation of Self-Organizing Systems

1972, *84*, 862–865; **1972**, *11*, 821–824

Shokat, K. M., Ko, M. K., Scanlan, T. S., Kochersperger, L., Yonkovich, S., **Thaisrivongs, S.**, Schultz*, P. G.

Catalytic Antibodies: A New Class of Transition-State Analogues Used to Elicit Hydrolytic Antibodies

1990, *102*, 1339–1346; **1990**, *29*, 1296–1303

Simon*, H., Bader, J., Günther, H., Neumann, S., **Thanos, J.**

Chiral Compounds Synthesized by Biocatalytic Reductions

1985, *97*, 541–555; **1985**, *24*, 539–553

Decker*, K., Jungermann, K., **Thauer, R. K.**

Energy Production in Anaerobic Organisms

1970, *82*, 153–173; **1970**, *9*, 138–158

Blanche, F., Cameron, B., Cronzet, J., Debussche, L., **Thibaut, D.**, Vuilhorgne, M., Leeper, F. J., Battersby*, A. R.

Vitamin B₁₂: How the Problem of Its Biosynthesis Was Solved

1995, *107*, 421–452; **1995**, *34*, 383–411

Wallenfels*, K., Friedrich, K., Rieser, J., Ertel, W., **Thieme, H. K.**

The Analogy between O and C(CN)₂

1976, *88*, 311–320; **1976**, *15*, 261–270

Thier*, H.-P.

Analysis of Herbicides

1974, *86*, 244–251; **1974**, *13*, 217–224

Hünig*, S., Müller, H. R., **Thier, W.**

The Chemistry of Diimine

1965, *77*, 368–377; **1965**, *4*, 271–280

Seeliger, W., Aufderhaar, E., Diepers, W., Feinauer, R., Nehring, R., **Thier, W.**, Hellmann*, H.

Recent Syntheses and Reactions of Cyclic Imidic Esters

1966, *78*, 913–927; **1966**, *5*, 875–888

Thilgen, C., Herrmann, A., Diederich*, F.

The Covalent Chemistry of Higher Fullerenes: C₇₀ and Beyond

1997, *109*, 2362–2374; **1997**, *36*, 2268–2280

Thilo*, E.

The Structural Chemistry of Condensed Inorganic Phosphates

1965, *77*, 1056–1066; **1965**, *4*, 1061–1071

Fyfe, C. A., **Thomas*, J. M.**, Klinowski, J., Gobbi, G. C.

Magic-Angle-Spinning NMR (MAS-NMR) Spectroscopy and the Structure of Zeolites

1983, *95*, 257–273; **1983**, *22*, 259–275

Ramdas, S., **Thomas*, J. M.**, Betteridge, P. W., Cheetham, A. K., Davies, E. K.

Modelling the Chemistry of Zeolites by Computer Graphics

1984, *96*, 629–637; **1984**, *23*, 671–679

Elliott, S. R., Rao, C. N. R., **Thomas*, J. M.**

The Chemistry of the Noncrystalline State

1986, *98*, 31–46; **1986**, *25*, 31–46

Thomas*, J. M.

Uniform Heterogeneous Catalysts: The Role of Solid-State

Chemistry in their Development and Design

1988, *100*, 1735–1753; **1988**, *27*, 1673–1691

Turning Points in Catalysis

1994, *106*, 963–989; **1994**, *33*, 913–937

Design, Synthesis and In Situ Characterization of New Solid Catalysts

1999, *111*, 3800–3843; **1999**, *38*, 3588–3628

Thomson*, R. H.

The Pigments of Reddish Hair and Feathers

1974, *86*, 355–363; **1974**, *13*, 305–312

Thumm*, O., Benz, J.

Reactivity of Dichloro- and Trichloropyrimidyl Dyes and the Sensitivity of their Dyeings to Hydrolysis

1962, *74*, 712–716; **1962**, *1*, 568–572 (656)

Rüdiger*, W., Thümmeler, F.

Phytochrome, the Visual Pigment of Plants

1991, *103*, 1242–1254; **1991**, *30*, 1216–1228

Thuong, N. T., Hélène*, C.

Sequence-Specific Recognition and Modification of Double-He-lical DNA by Oligonucleotides

1993, *105*, 697–723; **1993**, *32*, 666–690

Tidwell*, T. T.

Destabilized Carbocations

1984, *96*, 16–28; **1984**, *23*, 20–32

Tiedemann*, H.

Nicht-hormonale Kontrolle des Glucosestoffwechsels in normalen und malignen Geweben

1963, *75*, 907–916; –

Juza*, R., Seidel, H., **Tiedemann, J.**

Color Centers in Alkali Borate Glasses Containing Cobalt, Nickel, or Copper

1966, *78*, 41–51; **1966**, *5*, 85–94

Draber, W., Kluth, J. F., **Tietjen, K.**, Trebst*, A.

Herbicides in Photosynthesis Research

1991, *103*, 1650–1663; **1991**, *30*, 1621–1633

Petersen*, S., Herlinger, H., **Tietze, E.**, Siefken, W.

Syntheses in the 3-Aminoquinazol-4-one and 3-Aminobenzo-triazin-4-one Series

1962, *74*, 855–861; **1963**, *2*, 24–29

Tietze*, L. F.

Secologanin, a Biogenetic Key Compound—Synthesis and Bio-genesis of the Iridoid and Secoiridoid Glycosides

1983, *95*, 840–853; **1983**, *22*, 828–841

Tietze*, L. F., Beifuss, U.

Sequential Transformations in Organic Chemistry: A Synthetic Strategy with a Future

1993, *105*, 137–170; **1993**, *32*, 131–163

Prins, L. J., Reinhoudt, D. N., **Timmerman*, P.**

Noncovalent Synthesis Using Hydrogen Bonding

2001, *113*, 2446–2492; **2001**, *40*, 2382–2426

Timms*, P. L.

Synthetic Reactions of Metal Atoms at Temperatures of 10 to 273 K

1975, *87*, 295–299; **1975**, *14*, 273–277

- Chanon*, M., **Tobe*, M. L.**
ETC: A Mechanistic Concept for Inorganic and Organic Chemistry
1982, *94*, 27–49; **1982**, *21*, 1–23
- Powell*, K. A., Ramer, S. W., del Cardayré, S. B., Stemmer, W. P. C., **Tobin, M. B.**, Longchamp, P. F., Huisman, G. W.
Directed Evolution and Biocatalysis
2001, *113*, 4068–4080; **2001**, *40*, 3948–3959
- Tochtermann*, W.**
Structures and Reactions of Organic ate-Complexes
1966, *78*, 355–375; **1966**, *5*, 351–371
- Tödheide*, K.**
The Influence of Density and Temperature on the Properties of Pure Molten Salts
1980, *92*, 612–625; **1980**, *19*, 606–619
- Togni*, A.**, Venanzi, L. M.
Nitrogen Donors in Organometallic Chemistry and Homogeneous Catalysis
1994, *106*, 517–547; **1994**, *33*, 497–526
- Tölg*, G.**, Garten, R. P. H.
Great Fear of Small Amounts of Elements—The Significance of Analytical Chemistry in our Modern Industrialized Community as Exemplified by Trace Element Analysis
1985, *97*, 439–448; **1985**, *24*, 485–494
- Tomalia*, D. A.**, Naylor, A. M., Goddard III, W. A.
Starburst Dendrimers: Molecular-Level Control of Size, Shape, Surface Chemistry, Topology, and Flexibility from Atoms to Macroscopic Matter
1990, *102*, 119–157; **1990**, *29*, 138–175
- Tonegawa*, S.**
Somatic Generation of Immune Diversity (Nobel Lecture)
1988, *100*, 1060–1071; **1988**, *27*, 1028–1039
- Lübke*, K., Schillinger, E., **Töpert, M.**
Hormone Receptors
1976, *88*, 790–798; **1976**, *15*, 741–748
- Katritzky*, A. R., **Topsom, R. D.**
Distortions of the π -Electron System in Substituted Benzenes
1970, *82*, 106–120; **1970**, *9*, 87–100
- Tornieporth-Oetting*, I. C.**, Klapötke*, T. M.
Covalent Inorganic Azides
1995, *107*, 559–568; **1995**, *34*, 511–520
- Chemler, S. R., **Trauner, D.**, Danishefsky*, S. J.
The *B*-Alkyl Suzuki–Miyaura Cross-Coupling Reaction: Development, Mechanistic Study, and Applications in Natural Product Synthesis
2001, *113*, 4676–4701; **2001**, *40*, 4544–4568
- Draber, W., Kluth, J. F., Tietjen, K., **Trebst*, A.**
Herbicides in Photosynthesis Research
1991, *103*, 1650–1663; **1991**, *30*, 1621–1633
- Kresze*, G., Maschke, A., Albrecht, R., Bederke, K., Patzschke, H. P., Smalla, H., **Trede, A.**
Organic *N*-Sulfinyl Compounds
1962, *74*, 135–144; **1962**, *1*, 89–98
- Harris*, K. D. M., **Tremayne, M.**, Kariuki, B. M.
Contemporary Advances in the Use of Powder X-Ray Diffraction for Structure Determination
2001, *113*, 1674–1700; **2001**, *40*, 1626–1651
- Asinger*, F., Schäfer, W., Halcour, K., Saus, A., **Triem, H.**
The Course of the Willgerodt–Kindler Reaction of Alkyl Aryl Ketones
1963, *75*, 1050–1059; **1964**, *3*, 19–28
- Wallenfels*, K., Bechtler, G., Kuhn, R., **Trischmann, H.**, Egge, H.
Permethylolation of Oligomeric and Polymeric Carbohydrates and Quantitative Analysis of the Cleavage Products
1963, *75*, 1014–1022; **1963**, *2*, 515–523
- Heimbürger*, N., **Trobisch, H.**
Blood Coagulation and Fibrinolysis
1971, *83*, 89–102; **1971**, *10*, 85–97
- Hartmann*, G. R., Heinrich, P., Kollenda, M. C., Skrobranek, B., **Tropschug, M.**, Weiss, W.
Molecular Mechanism of Action of the Antibiotic Rifampicin
1985, *97*, 1011–1017; **1985**, *24*, 1009–1014
- Trost*, B. M.**
[3 + 2]Cycloaddition Approaches to Five-Membered Rings via Trimethylenemethane and its Equivalents
1986, *98*, 1–20; **1986**, *25*, 1–20
Cyclizations via Palladium-Catalyzed Allylic Alkylations
1989, *101*, 1199–1219; **1989**, *28*, 1173–1192
Atom Economy—A Challenge for Organic Synthesis: Homogeneous Catalysis Leads the Way
1995, *107*, 285–307; **1995**, *34*, 259–281
- Dunitz*, J. D., Maverick*, E. F., **Trueblood*, K. N.**
Atomic Motions in Molecular Crystals from Diffraction Measurements
1988, *100*, 910–926; **1988**, *27*, 880–895
- Truscheit*, E.**, Frommer, W., Junge, B., Müller, L., Schmidt, D. D., Wingender, W.
Chemistry and Biochemistry of Microbial α -Glucosidase Inhibitors
1981, *93*, 738–755; **1981**, *20*, 744–761
- Tschesche*, H.**
Biochemistry of Natural Proteinase Inhibitors
1974, *86*, 21–40; **1974**, *13*, 10–28
- Meier*, Hans, Albrecht, W., **Tschirwitz, U.**
Industrial Application of the Semiconductor Properties of Dyes
1972, *84*, 1077–1087; **1972**, *11*, 1051–1061
- Fetzner*, S., **Tshisuaka, B.**, Lingens, F., Kappl, R., Hüttermann, J.
Bacterial Degradation of Quinoline and Derivatives—Pathways and Their Biocatalysts
1998, *110*, 596–617; **1998**, *37*, 576–597
- Paleos*, C. M., **Tsiourvas, D.**
Thermotropic Liquid Crystals Formed by Intermolecular Hydrogen Bonding Interactions
1995, *107*, 1839–1855; **1995**, *34*, 1696–1711
- Gillespie*, P., Hoffmann, P., Klusacek, H., Marquarding, D., Pfohl, S., Ramirez, F., **Tsolis, E. A.**, Ugi, I.
Non-rigid Molecular Skeletons – Berry Pseudorotation and Turnstile Rotation
1971, *83*, 691–721; **1971**, *10*, 687–715
- Tsuji*, J.**, Mandai, T.
Palladium-Catalyzed Reactions of Propargylic Compounds in Organic Synthesis
1995, *107*, 2830–2854; **1995**, *34*, 2589–2612
- Tsumuraya, T.**, Batcheller, S. A., Masamune*, S.
Strained-Ring and Double-Bond Systems Consisting of Frameworks of the Group 14 Elements Si, Ge, and Sn
1991, *103*, 916–944; **1991**, *30*, 902–930
- Tsutsui*, M.**, Hancock, M., Ariyoshi, J., Levy, M. N.
 σ - π Rearrangements of Organotransition Metal Compounds
1969, *81*, 453–463; **1969**, *8*, 410–420
- Jandeleit*, B., Schaefer*, D. J., Powers, T. S., **Turner, H. W.**, Weinberg, W. H.
Combinatorial Materials Science and Catalysis
1999, *111*, 2648–2689; **1999**, *38*, 2494–2532
- Turner*, J. J.**
Photochemistry in Matrices and Its Relevance to Atom Synthesis
1975, *87*, 326–331; **1975**, *14*, 304–308
- White*, T. J., Segall, R. L., **Turner, P. S.**
Radwaste Immobilization by Structural Modification—the Crystallochemical Properties of SYNROC, a Titanate Ceramic
1985, *97*, 369–376; **1985**, *24*, 357–365

Turro*, N. J., McVey, J., Ramamurthy, V., Lechtken, P.
Adiabatic Photoreactions of Organic Molecules
1979, *91*, 597–612; **1979**, *18*, 572–586

Turro*, N. J., Grätzel, M., Braun, A. M.
Photophysical and Photochemical Processes in Micellar Systems
1980, *92*, 712–734; **1980**, *19*, 675–696

Turro*, N. J.
Geometric and Topological Thinking in Organic Chemistry
1986, *98*, 872–892; **1986**, *25*, 882–901

Turro*, N. J., Kleinman, M. H., Karatekin, E.
Electron Spin Polarization and Time-Resolved Electron Paramagnetic Resonance: Applications to the Paradigms of Molecular and Supramolecular Photochemistry
2000, *112*, 4608–4634; **2000**, *39*, 4436–4461



Ubbelohde*, A. R.
Melting and Crystal Structure – Some Current Problems
1965, *77*, 614–618; **1965**, *4*, 587–591

Ueda, M., Yamamura*, S.
Chemistry and Biology of Plant Leaf Movements
2000, *112*, 1456–1471; **2000**, *39*, 1400–1414

Mikami*, K., Terada, M., Korenaga, T., Matsumoto, Y., **Ueki, M.**, Angelaud, R.
Asymmetric Activation
2000, *112*, 3676–3701; **2000**, *39*, 3532–3556

Giordano*, C., Castaldi, G., **Uggeri, F.**
Synthesis of Anti-Inflammatory α -Arylalkanoic Acids by 1,2-Aryl Shift
1984, *96*, 413–419; **1984**, *23*, 413–419

Ugi*, I.
The α -Addition of Immonium Ions and Anions to Isonitriles Accompanied by Secondary Reactions
1962, *74*, 9–22; **1962**, *1*, 8–21

Ugi*, I., Fetzer, U., Eholzer, U., Knupfer, H., Offermann, K.
Isonitrile Syntheses
1965, *77*, 492–504; **1965**, *4*, 472–484

Ugi*, I., Gokel, G., Gillespie, P., Klusacek, H., Marquarding, D.
Chemistry and Logical Structures
1970, *82*, 741–771; **1970**, *9*, 703–730

Gillespie*, P., Hoffmann, P., Klusacek, H., Marquarding, D., Pfohl, S., Ramirez, F., Tsois, E. A., **Ugi, I.**
Non-rigid Molecular Skeletons – Berry Pseudorotation and Turnstile Rotation
1971, *83*, 691–721; **1971**, *10*, 687–715

Anders, E., Ruch, E., **Ugi*, I.**
The Stereoselective Acylation of Racemic Secondary Alcohols with Phenyltrifluoromethylketene as an Experimental Test of the Stereochemical Analogy Model
1973, *85*, 16–20; **1973**, *12*, 25–29

Gillespie, P., Ramirez, F., **Ugi*, I.**, Marquarding, D.
Displacement Reactions of Phosphorus(V) Compounds and Their Pentacoordinate Intermediates
1973, *85*, 99–127; **1973**, *12*, 91–119

Ugi*, I., Bauer, J., Brandt, J., Friedrich, J., Gasteiger, J., Jochum, C., Schubert, W.
New Applications of Computers in Chemistry
1979, *91*, 99–111; **1979**, *18*, 111–123

Jochum, C., Gasteiger, J., **Ugi*, I.**
The Principle of Minimum Chemical Distance (PMCD)
1980, *92*, 503–513; **1980**, *19*, 495–505

Ugi*, I.
From Isocyanides *via* Four-Component Condensations to Antibiotic Syntheses
1982, *94*, 826–835; **1982**, *21*, 810–819

Ugi*, I., Bauer, J., Bley, K., Dengler, A., Dietz, A., Fontain, E., Gruber, B., Herges, R., Knauer, M., Reitsam, K., Stein, N.
Computer-Assisted Solution of Chemical Problems—The Historical Development and the Present State of the Art of a New Discipline of Chemistry
1993, *105*, 210–239; **1993**, *32*, 201–227

Dömling*, A., **Ugi, I.**
Multicomponent Reactions with Isocyanides
2000, *112*, 3300–3344; **2000**, *39*, 3168–3210

Uhl*, W.
Organoelement Compounds with Al–Al, Ga–Ga, and In–In Bonds
1993, *105*, 1449–1461; **1993**, *32*, 1386–1397

Engels*, J. W., **Uhlmann*, E.**
Gene Synthesis
1989, *101*, 733–752; **1989**, *28*, 716–734

Uhlmann*, E., Peyman, A., Breipohl, G., Will, D. W.
PNA: Synthetic Polyamide Nucleic Acids with Unusual Binding Properties
1998, *110*, 2954–2983; **1998**, *37*, 2796–2823

Ulbricht*, T. L. V.
The Synthesis of Nucleosides
1962, *74*, 767–772; **1962**, *1*, 476–481

Ullrich*, V.
Enzymatic Hydroxylations with Molecular Oxygen
1972, *84*, 689–701; **1972**, *11*, 701–712

Ullrich*, V., Brugger, R.
Prostacyclin and Thromboxane Synthase: New Aspects of Hemithiolate Catalysis
1994, *106*, 1987–1996; **1994**, *33*, 1911–1919

Ulrich*, H., Sayigh, A. A. R.
Synthesis of Isocyanates and Carbodiimides
1966, *78*, 761–769; **1966**, *5*, 704–712

Gleisberg, D., Kandler*, J., **Ulrich, H.**, Hartz, P.
Eutrophication and Wastewater Purification
1976, *88*, 354–365; **1976**, *15*, 354–365

Unger*, K.
Structure of Porous Adsorbents
1972, *84*, 331–343; **1972**, *11*, 267–278

Unsöld*, A.
The Chemical Composition of the Stars
1964, *76*, 281–290; **1964**, *3*, 481–490

Urry*, D. W.
Molecular machines: How Motion and Other Functions of Living Organisms Can Result from Reversible Chemical Changes
1993, *105*, 859–883; **1993**, *32*, 819–841



Vahrenkamp*, H.
Sulfur Atoms as Ligands in Metal Complexes
1975, *87*, 363–371; **1975**, *14*, 322–329
What Do We Know about the Metal-Metal Bond?
1978, *90*, 403–416; **1978**, *17*, 379–392

Velluz*, L., **Valls, J.**, Nominé, G.
Recent Advances in the Total Synthesis of Steroids
1965, *77*, 185–205; **1965**, *4*, 181–200

- Velluz*, L., **Valls, J.**, Mathieu, J.
Spatial Arrangement and Preparative Organic Synthesis
1967, 79, 774–785; **1967**, 6, 778–789
- Schier*, O., Nübling, W., Steidle, W., **Valls, J.**
A System for the Documentation of Chemical Reactions
1970, 82, 622–628; **1970**, 9, 599–604
- van Boeckel*, C. A. A.**, Petitou*, M.
The Unique Antithrombin III Binding Domain of Heparin:
A Lead to New Synthetic Antithrombotics
1993, 105, 1741–1761; **1993**, 32, 1671–1690
- Van de Sande*, C. C.**
Dye Diffusion Systems in Color Photography
1983, 95, 165–184; **1983**, 22, 191–209
- Feringa*, B. L., **van Delden, R. A.**
Absolute Asymmetric Synthesis: The Origin, Control, and Amplification of Chirality
1999, 111, 3624–3645; **1999**, 38, 3418–3438
- van Eldik*, R.**
Understanding Reaction Dynamics in Coordination Chemistry—Application of High Pressure Techniques
1986, 98, 671–680; **1986**, 25, 673–682
- Wiberg*, E., **van Ghemen, M.**, Müller-Schiedmayer, G.
New Developments in the Chemistry of Polyphosphanes
1963, 75, 814–823; **1963**, 2, 646–654
- van Gunsteren*, W. F.**, Berendsen, H. J. C.
Computer Simulation of Molecular Dynamics: Methodology, Applications, and Perspectives in Chemistry
1990, 102, 1020–1055; **1990**, 29, 992–1023
- Albrecht, M., **van Koten*, G.**
Platinum Group Organometallics Based on “Pincer” Complexes: Sensors, Switches, and Catalysts
2001, 113, 3866–3898; **2001**, 40, 3750–3781
- Oosterom, G. E., Reek*, J. N. H., Kamer, P. C. J.,
van Leeuwen*, P. W. N. M.
Transition Metal Catalysis Using Functionalized Dendrimers
2001, 113, 1878–1901; **2001**, 40, 1828–1849
- Addadi*, L., Berkovitch-Yellin, Z., Weissbuch, I., **van Mil, J.**, Shimon, L. J. W., Lahav*, M., Leiserowitz*, L.
Growth and Dissolution of Organic Crystals with “Tailor-Made” Inhibitors—Implications in Stereochemistry and Materials Science
1985, 97, 476–496; **1985**, 24, 466–485
- van Tamelen*, E. E.**
Valence-Bond Isomers of Aromatic Systems
1965, 77, 759–767; **1965**, 4, 738–745
- van Wasen, U.**, Swaid, I., Schneider*, G. M.
Physicochemical Principles and Applications of Supercritical Fluid Chromatography (SFC)
1980, 92, 585–598; **1980**, 19, 575–587
- van Wazer*, J. R.**, Moedritzer, K.
Scrambling Equilibria and Analysis of Labile Mixtures
1966, 78, 401–412; **1966**, 5, 341–351
- Absar, I., **Van Wazer*, J. R.**
Use of Electron-Density Plots in Applied Quantum Chemistry
1978, 90, 86–95; **1978**, 17, 80–88
- Vane*, J. R.**
Adventures and Excursions in Bioassay: The Stepping Stones to Prostacyclin (Nobel Lecture)
1983, 95, 782–794; **1983**, 22, 741–752
- Varmus*, H. E.**
Retroviruses and Oncogenes I (Nobel Lecture)
1990, 102, 756–764; **1990**, 29, 707–715
- Simon*, W., Wuhrmann, H.-R., **Vašák, M.**, Pioda, L. A. R., Dohner, R., Štefanac, Z.
Ion-Selective Sensors
1970, 82, 433–443; **1970**, 9, 445–455
- Heightman, T. D., **Vasella*, A. T.**
Recent Insights into Inhibition, Structure, and Mechanism of Configuration-Retaining Glycosidases
1999, 111, 794–815; **1999**, 38, 750–770
- Witt*, H. T., Rumberg, B., Schmidt-Mende, P., Siggel, U., Skerra, B., **Vater, J.**, Weikard, J.
On the Analysis of Photosynthesis by Flashlight Techniques
1965, 77, 821–842; **1965**, 4, 799–819
- Bock*, H., Ruppert, K., Näther, C., Havlas, Z., Herrmann, H.-F., Arad, C., Göbel, I., John, A., Meuret, J., Nick, S., Rauschenbach, A., Seitz, W., **Vaupel, T.**, Solouki, B.
Distorted Molecules: Perturbation Design, Preparation and Structures
1992, 104, 564–595; **1992**, 31, 550–581
- Lintz*, H.-G., **Vayenas*, C. G.**
Solid Ion Conductors in Heterogeneous Catalysis
1989, 101, 725–732; **1989**, 28, 708–715
- Hemmerich*, P., **Veeger, C.**, Wood, H. C. S.
Progress in Chemistry and Molecular Biology of Flavins and Flavocoenzymes
1965, 77, 699–716; **1965**, 4, 671–687
- Veith*, M.**
Unsaturated Molecules Containing Main Group Metals
1987, 99, 1–14; **1987**, 26, 1–14
- Glemser*, O., Schröder, J., Kleine-Weischede, K., Meyer, B., Peuschel, G., Flügel, R., **Velde, D.**
Preparation of Carbon Tetrachloride from Phosgene
1963, 75, 823–825; **1963**, 2, 613–615
- Velluz*, L.**, Valls, J., Nominé, G.
Recent Advances in the Total Synthesis of Steroids
1965, 77, 185–205; **1965**, 4, 181–200
- Velluz*, L.**, Legrand, M.
Progress in Optical Circular Dichroism
1965, 77, 842–850; **1965**, 4, 838–845
- Velluz*, L.**, Valls, J., Mathieu, J.
Spatial Arrangement and Preparative Organic Synthesis
1967, 79, 774–785; **1967**, 6, 778–789
- Venanzi*, L. M.**
Complexes of Tetradentate Ligands Containing Phosphorus and Arsenic
1964, 76, 621–628; **1964**, 3, 453–460
- Togni*, A., **Venanzi, L. M.**
Nitrogen Donors in Organometallic Chemistry and Homogeneous Catalysis
1994, 106, 517–547; **1994**, 33, 497–526
- Ringsdorf*, H., Schlarb, B., **Venzmer, J.**
Molecular Architecture and Function of Polymeric Oriented Systems: Models for the Study of Organization, Surface Recognition, and Dynamics of Biomembranes
1988, 100, 117–162; **1988**, 27, 113–158
- Ahlers, M., Müller, W., Reichert, A., Ringsdorf*, H., **Venzmer, J.**
Specific Interactions of Proteins with Functional Lipid Monolayers—Ways of Simulating Biomembrane Processes
1990, 102, 1310–1327; **1990**, 29, 1269–1285
- Sundermeyer*, W., **Verbeek, W.**
A Method for the Preparation of Methylmetal Compounds
1966, 78, 107–112; **1966**, 5, 1–6
- Schmid*, R. D., **Verger, R.**
Lipases: Interfacial Enzymes with Attractive Applications
1998, 110, 1694–1720; **1998**, 37, 1608–1633
- Vetter*, K. J.**
Problems in the Theoretical Treatment of Reactions Occurring at Easily Passivated Metal Anodes
Chem.-Ing.-Tech. **1962**, 34, 362–368; **1962**, 1, 583–590

- Rehage *, H., **Veyssié *, M.**
Two-Dimensional Model Networks
1990, *102*, 497–506; **1990**, *29*, 439–448
- Viehe *, H. G.**
Valence-Bond Isomers of Substituted Benzenes
1965, *77*, 768–773; **1965**, *4*, 746–751
Synthesis and Reactions of the Alkynylamines
1967, *79*, 744–755; **1967**, *6*, 767–778
- Viehe *, H. G.**, Janousek, Z.
The Chemistry of Dichloromethylenammonium Salts (“Phosgen-
imonium Salts”)
1973, *85*, 837–849; **1973**, *12*, 806–818
- Viehe *, H. G.**, Merényi, R., Stella, L., Janousek, Z.
Capto-dative Substituent Effects in Syntheses with Radicals and
Radicophiles
1979, *91*, 982–997; **1979**, *18*, 917–932
- Heitbaum *, J., **Vielstich, W.**
Modern Methods for the Study of Electrode Processes
1974, *86*, 756–770; **1974**, *13*, 683–696
- Rochlitz *, F., **Vilsek, H.**
 β -Chloroethanephosphonic Dichloride: Its Synthesis and Use
1962, *74*, 970–974; **1962**, *1*, 652–656
- Horn *, C. F., Freure, B. T., **Vineyard, H.**, Decker, H. J.
Nylon 7, ein faserbildendes Polyamid
1962, *74*, 531–534; –
- Virtanen *, A. I.**
Some Organic Sulfur Compounds in Vegetables and Fodder Plants
and their Significance in Human Nutrition
1962, *74*, 374–382; **1962**, *1*, 299–306
- Vitzthum, G.**, Lindner *, E.
Sulfinato Complexes
1971, *83*, 315–327; **1971**, *10*, 315–326
- Hubert, P., **Vitzthum *, O. G.**
Fluid Extraction of Hops, Spices, and Tobacco with Supercritical
Gases
1978, *90*, 756–762; **1978**, *17*, 710–715
- Voelkel *, R.**
High-Resolution Solid State ^{13}C NMR spectroscopy of Polymers
1988, *100*, 1525–1540; **1988**, *27*, 1468–1483
- Breitmaier *, E., Jung, G., **Voelter, W.**
Pulse Fourier Transform ^{13}C NMR spectroscopy, Principles, and
Applications
1971, *83*, 659–672; **1971**, *10*, 673–686
- Vogel *, E.**
Valence Isomerizations in Compounds with Strained Rings
1962, *74*, 829–839; **1963**, *2*, 1–11
- Vogel *, E.**, Günther, H.
Benzene Oxide-Oxepin Valence Tautomerism
1967, *79*, 429–446; **1967**, *6*, 385–401
- Bröll *, D., Kaul, C., Krämer, A., Krammer, P., Richter, T.,
Jung, M., **Vogel *, H.**, Zehner, P.
Chemistry in Supercritical Water
1999, *III*, 3180–3196; **1999**, *38*, 2998–3014
- Vogel *, W.**
Structure and Crystallization Behavior of Glasses
1965, *77*, 109–119; **1965**, *4*, 112–121
- Vogel *, W.**, Höland, W.
The Development of Bioglass Ceramics for Medical Applications
1987, *99*, 541–558; **1987**, *26*, 527–544
- Vogl, E. M.**, Gröger, H., Shibasaki *, M.
Towards Perfect Asymmetric Catalysis: Additives and Cocatalysts
1999, *III*, 1672–1680; **1999**, *38*, 1570–1577
- Halász *, I., **Vogtel, P.**
Determination of Morphological Properties of Swellable Solids by
Exclusion Chromatography
1980, *92*, 25–29; **1980**, *19*, 24–28
- Vögtle *, F.**, Neumann, P.
Stereochemistry of [2.2]Metacyclophanes
1972, *84*, 75–85; **1972**, *11*, 73–83
- Förster, H., **Vögtle *, F.**
Steric Interactions in Organic Chemistry: Spatial Requirements of
Substituents
1977, *89*, 443–455; **1977**, *16*, 429–441
- Vögtle *, F.**, Rossa, L.
Pyrolysis of Sulfones as a Synthetic Method
1979, *91*, 534–549; **1979**, *18*, 515–529
- Vögtle *, F.**, Weber, E.
Multidentate Acyclic Neutral Ligands and Their Complexation
1979, *91*, 813–837; **1979**, *18*, 753–776
- Vögtle *, F.**, Löhr, H.-G., Franke, J., Worsch, D.
Host/Guest Chemistry of Organic Onium Compounds—Clath-
rates, Crystalline Complexes, and Molecular Inclusion Compounds
in Aqueous Solution
1985, *97*, 721–736; **1985**, *24*, 727–742
- Seel, C., **Vögtle *, F.**
Molecules with Large Cavities in Supramolecular Chemistry
1992, *104*, 542–563; **1992**, *31*, 528–549
- Hoss, R., **Vögtle *, F.**
Template Syntheses
1994, *106*, 389–398; **1994**, *33*, 375–384
- Jäger, R., **Vögtle *, F.**
A New Synthetic Strategy towards Molecules with Mechanical
Bonds: Nonionic Template Synthesis of Amide-Linked Catenanes
and Rotaxanes
1997, *109*, 966–980; **1997**, *36*, 930–944
- Fischer, Marco, **Vögtle *, F.**
Dendrimers: From Design to Application—A Progress Report
1999, *III*, 934–955; **1999**, *38*, 884–905
- Vohler *, O.**, Reiser, P.-L., Martina, R., Overhoff, D.
New Forms of Carbon
1970, *82*, 401–412; **1970**, *9*, 414–425
- Goldfarb *, J. L., **Volkenstein, J. B.**, Belenkij, L. I.
Modification of the Orientation of Substitution Reactions on
Thiophene and Furan Derivatives
1968, *80*, 547–557; **1968**, *7*, 519–529
- Dimroth *, K., Berndt, A., Bär, F., Schweig, A., **Volland, R.**
Spin Density Distribution in 2,4,6-Triphenylphenoxy
1967, *79*, 69–76; **1967**, *6*, 34–40
- Vollhardt *, K. P. C.**
Cobalt-Mediated [2 + 2 + 2]-Cycloadditions: A Maturing Synthet-
ic Strategy
1984, *96*, 525–541; **1984**, *23*, 539–556
- Vollmann *, H. W.**
New Technologies for the Filmless Manufacture of Printing Forms
1980, *92*, 95–106; **1980**, *19*, 99–110
- Steppan, H., Buhr, G., **Vollmann *, H. W.**
The Resist Technique—A Chemical Contribution to Electronics
1982, *94*, 471–485; **1982**, *21*, 455–469
- Emmelius *, M., Pawlowski *, G., **Vollmann *, H. W.**
Materials for Optical Data Storage
1989, *101*, 1475–1502; **1989**, *28*, 1445–1471
- Voltz *, J.**
Dyeing of Poly(acrylonitrile) Fibers with Azatrimethinecyanines
1962, *74*, 680–684; **1962**, *1*, 532–537
- Völz *, H. G.**
Optical Properties of Pigments—Objective Methods for Testing
and Evaluation
1975, *87*, 721–731; **1975**, *14*, 688–698
- von Ammon, R.**, Fischer *, R. D.
Shift Reagents in NMR spectroscopy
1972, *84*, 737–755; **1972**, *11*, 675–692

- Juza*, R., Langer, K., **von Benda, K.**
Ternary Nitrides, Phosphides, and Arsenides of Lithium
1968, 80, 373–384; **1968**, 7, 360–370
- von Bünau*, G.**
Application of Computers to MO Theory and Chemical Kinetics
1972, 84, 418–428; **1972**, 11, 393–402
- Balkenhohl*, F., **von dem Bussche-Hünnefeld, C.**, Lansky, A., Zechel, C.
Combinatorial Synthesis of Small Organic Molecules
1996, 108, 2436–2487; **1996**, 35, 2288–2337
- von der Haar, F.**, Gabius, H.-J., Cramer*, F.
Target Directed Drug Synthesis: The Aminoacyl-tRNA Synthetases as Possible Targets
1981, 93, 250–256; **1981**, 20, 217–223
- Englisch*, U., Gauss, D. H., Freist, W., Englisch, S., Sternbach, H., **von der Haar, F.**
Error Rates of the Replication and Expression of Genetic Information
1985, 97, 1033–1043; **1985**, 24, 1015–1025
- von Euler*, U. S.**
Die Wirkungsweise des adrenergen neuronalen Überträgerstoffs (Nobel Lecture)
1971, 83, 822–827; –
- von Jagow*, G.**, Engel, W. D.
Structure and Function of the Energy-Converting System of Mitochondria
1980, 92, 684–700; **1980**, 19, 659–675
- Bittler*, K., **von Kutepow, N.**, Neubauer, D., Reis, H.
Carbonylation of Olefins under Mild Temperature Conditions in the Presence of Palladium Complexes
1968, 80, 352–359; **1968**, 7, 329–335
- Reppe*, W., **von Kutepow, N.**, Magin, A.
Cyclization of Acetylenic Compounds
1969, 81, 717–723; **1969**, 8, 727–733
- von Philipsborn*, W.**
Methods and Applications of Nuclear Magnetic Double Resonance
1971, 83, 470–489; **1971**, 10, 472–490
- von Philipsborn*, W.**, Müller, Raffaello
¹⁵N-NMR Spectroscopy—New Methods and Applications
1986, 98, 381–412; **1986**, 25, 383–413
- von Rybinski*, W.**, Hill*, K.
Alkyl Polyglycosides—Properties and Applications of a new Class of Surfactants
1998, 110, 1394–1412; **1998**, 37, 1328–1345
- Schäfer*, H., **von Schnering, H. G.**
Metall-Metall-Bindungen bei niederen Halogeniden, Oxyden und Oxydhalogeniden schwerer Übergangsmetalle
1964, 76, 833–849; –
- von Schnering*, H. G.**
Homoatomic Bonding of Main Group Elements
1981, 93, 44–63; **1981**, 20, 33–51
- von Schnering*, H. G.**, Nesper, R.
How Nature Adapts Chemical Structures to Curved Surfaces
1987, 99, 1097–1119; **1987**, 26, 1059–1080
- von Sonntag*, C.**, Schuchmann, H.-P.
The Elucidation of Peroxyl Radical Reactions in Aqueous Solution with the Help of Radiation-Chemical Methods
1991, 103, 1255–1279; **1991**, 30, 1229–1253
- von Wilm*, M.**
Automatic Analysis of Aminoacid Sequences in Proteins and Peptides
1970, 82, 299–306; **1970**, 9, 267–273
- Knof, U., **von Zelewsky*, A.**
Predetermined Chirality at Metal Centers
1999, 111, 312–333; **1999**, 38, 302–322
- Hafner*, K., Häfner, K. H., König, C., Kreuder, M., Ploss, G., Schulz, G., Sturm, E., **Vöpel, K. H.**
Fulvenes as Isomers of Benzenoid Compounds
1963, 75, 35–46; **1963**, 2, 123–134
- Höfle, G., Steglich, W., **Vorbrüggen*, H.**
4-Dialkylaminopyridines as Highly Active Acylation Catalysts
1978, 90, 602–615; **1978**, 17, 569–583
- Vossius*, V.**
The Patenting of Chemical Inventions in the Federal Republic of Germany
–; **1962**, 1, 499–506
- Nicolaou*, K. C., Roschangar, F., **Vourloumis, D.**
Chemical Biology of Epothilones
1998, 110, 2120–2153; **1998**, 37, 2014–2045
- Nicolaou*, K. C., **Vourloumis, D.**, Winssinger, N., Baran, P. S.
The Art and Science of Total Synthesis at the Dawn of the Twenty-First Century
2000, 112, 46–126; **2000**, 39, 44–122
- Blanche, F., Cameron, B., Cronzet, J., Debussche, L., Thibaut, D., **Vuilhorgne, M.**, Leeper, F. J., Battersby*, A. R.
Vitamin B₁₂: How the Problem of Its Biosynthesis Was Solved
1995, 107, 421–452; **1995**, 34, 383–411
- Mutter*, M., **Vuilleumier, S.**
A Chemical Approach to Protein Design—Template-Assembled Synthetic Proteins (TASP)
1989, 101, 551–571; **1989**, 28, 535–554



Sheldrick*, W. S., **Wachhold, M.**
Solventothermal Synthesis of Solid-State Chalcogenidometalates
1997, 109, 214–233; **1997**, 36, 206–224

Wachter*, J.
Synthesis, Structure and Reactivity of Sulfur-Rich Cyclopentadienyl-Transition Metal Complexes: Sulfur Chemistry from an Organometallic Point of View
1989, 101, 1645–1658; **1989**, 28, 1613–1626
Mixed Ligands from Group 15/16 Elements: Interface of Solid-State and Molecular Chemistry
1998, 110, 782–800; **1998**, 37, 750–768

Wadepohl*, H.
Benzene and Its Derivatives as Bridging Ligands in Transition Metal Complexes
1992, 104, 253–268; **1992**, 31, 247–262

Freyer, H. D., **Wagener*, K.**
Electrochemical Processes for the Enrichment of Isotopes
1967, 79, 734–744; **1967**, 6, 757–766

Collman*, J. P., **Wagenknecht, P. S.**, Hutchison, J. E.
Molecular Catalysts for Multielectron Redox Reactions of Small Molecules: The “Cofacial Metallodiporphyrin” Approach
1994, 106, 1620–1639; **1994**, 33, 1537–1554

Wagner, A., Schellhammer, C.-W., Petersen*, S.
Aryl-Δ²-pyrazolines as Optical Brighteners
1966, 78, 769–774; **1966**, 5, 699–704

Bernhauer*, K., Müller, O., **Wagner, F.**
New Chemical and Biochemical Developments in the Vitamin B₁₂ Field
1963, 75, 1145–1156; **1964**, 3, 200–211

Wagner*, H. G., Wolfrum, J.
Reactions of Atoms
1971, 83, 561–577; **1971**, 10, 604–619

- Wagner*, H. G.**, Zellner, R.
Rates of Reactive Removal of Anthropogenic Emissions in the Atmosphere
1979, *91*, 707–718; **1979**, *18*, 663–673
- Gompper*, R., **Wagner, H.-U.**
The Concept of Allopolarization. Effects of Substituents on the Reactions of Ambifunctional Anions
1976, *88*, 389–401; **1976**, *15*, 321–333
Donor-Acceptor-Substituted Cyclic π -Electron-Systems—Probes for Theories and Building Blocks for New Materials
1988, *100*, 1492–1511; **1988**, *27*, 1437–1455
- Wagner, I.**, Musso*, H.
New Naturally Occurring Amino Acids
1983, *95*, 827–839; **1983**, *22*, 816–828
- Wagner*, K.**
Niedermolekulare Polyisocyanate mit Biuret-Struktur
1962, *74*, 799–801; –
Reactions with Addition Compounds Containing Activated Formic Acid
1970, *82*, 73–77; **1970**, *9*, 50–54
- Wagner*, K.**, Dahm, M.
Growth Processes due to Reactions in Swellable Cellular Matrixes
1972, *84*, 1001–1008; **1972**, *11*, 990–997
- Wagner*, K.**, Findeisen, K., Schäfer, W., Dietrich, W.
 α,ω -Diisocyanatocarbodiimides, -Polycarbodiimides, and Their Derivatives
1981, *93*, 855–866; **1981**, *20*, 819–830
- Pusch*, W., **Walch*, A.**
Synthetic Membranes—Preparation, Structure, and Application
1982, *94*, 670–695; **1982**, *21*, 660–685
- Wald*, G.**
Die molekulare Basis des Sehvorgangs (Nobel Lecture)
1968, *80*, 857–867; –
- Schelhaas, M., **Waldmann*, H.**
Protecting Group Strategies in Organic Synthesis
1996, *108*, 2192–2219; **1996**, *35*, 2056–2083
- Hinterding, K., Alonso-Díaz, D., **Waldmann*, H.**
Organic Synthesis and Biological Signal Transduction
1998, *110*, 716–780; **1998**, *37*, 688–749
- Wittinghofer*, A., **Waldmann, H.**
Ras—A Molecular Switch Involved in Tumor Formation
2000, *112*, 4360–4383; **2000**, *39*, 4192–4214
- Harre, M., Raddatz, P., **Walenta, R.**, Winterfeldt*, E.
4-Oxo-2-cyclopentenyl Acetate—A Synthetic Intermediate
1982, *94*, 496–508; **1982**, *21*, 480–492
- Walker*, J. E.**
ATP Synthesis by Rotary Catalysis (Nobel Lecture)
1998, *110*, 2438–2450; **1998**, *37*, 2308–2319
- Arends, I. W. C. E., Sheldon*, R. A., **Wallau, M.**, Schuchardt*, U.
Oxidative Transformations of Organic Compounds Mediated by Redox Molecular Sieves
1997, *109*, 1190–1211; **1997**, *36*, 1144–1163
- Wallenberger*, F. T.**
The Chemistry of New Heat-Resistant Films and Fibers
1964, *76*, 484–494; **1964**, *3*, 460–470
- Wallenfels*, K.**, Bechtler, G., Kuhn, R., Trischmann, H., Egge, H.
Permethylation of Oligomeric and Polymeric Carbohydrates and Quantitative Analysis of the Cleavage Products
1963, *75*, 1014–1022; **1963**, *2*, 515–523
- Wallenfels*, K.**, Friedrich, K., Rieser, J., Ertel, W., Thieme, H. K.
The Analogy between O and C(CN)₂
1976, *88*, 311–320; **1976**, *15*, 261–270
- Frühbeis*, H., Klein, R., **Wallmeier, H.**
Computer-Assisted Molecular Design (CAMD)—an Overview
1987, *99*, 413–428; **1987**, *26*, 403–418
- Walsh*, C. T.**, Chen, Y.-C. J.
Enzymatic Baeyer-Villiger Oxidations by Flavin-Dependent Monooxygenases
1988, *100*, 342–352; **1988**, *27*, 333–343
- Wilke*, G., Bogdanović, B., Hardt, P., Heimbach, P., Keim, W., Kröner, M., Oberkirch, W., Tanaka, K., Steinrücke, E., **Walter, D.**, Zimmermann, H.
Allyl-Transition Metal Systems
1966, *78*, 157–172; **1966**, *5*, 151–164
- Bringmann*, G., **Walter, R.**, Weirich, R.
The Directed Synthesis of Biaryl Compounds: Modern Concepts and Strategies
1990, *102*, 1006–1019; **1990**, *29*, 977–991
- Walter, S.**, Nitschke, E., Bode, C., Becker*, E. W., Hübener, R. P., Kessler, R. W., Schindewolf, U.
Enrichment of Heavy Water by High Pressure Exchange between Hydrogen and an Aqueous Catalyst Suspension
Chem.-Ing.-Tech. **1962**, *34*, 7–10; **1962**, *1*, 21–24
- Walter*, W.**, Bode, K.-D.
Syntheses of Thiocarboxamides
1966, *78*, 517–532; **1966**, *5*, 447–461
Syntheses of Thiocarbamates
1967, *79*, 285–297; **1967**, *6*, 281–293
- Ager*, D. J., Pantaleone, D. P., Henderson, S. A., Katritzky, A. R., Prakash, I., **Walters, D. E.**
Commercial, Synthetic Nonnutritive Sweeteners
1998, *110*, 1900–1916; **1998**, *37*, 1802–1817
- Baguley, P. A., **Walton*, J. C.**
Flight from the Tyranny of Tin: The Quest for Practical Radical Sources Free from Metal Encumbrances
1998, *110*, 3272–3283; **1998**, *37*, 3072–3082
- McCarroll, A. J., **Walton*, J. C.**
Programming Organic Molecules: Design and Management of Organic Syntheses through Free-Radical Cascade Processes
2001, *113*, 2282–2307; **2001**, *40*, 2224–2248
- Noren, C. J., **Wang, J.**, Perler*, F. B.
Dissecting the Chemistry of Protein Splicing and Its Applications
2000, *112*, 458–476; **2000**, *39*, 450–466
- Wannagat*, U.**
Zur Entwicklung der Silicium-Chemie; Robert Schwarz zum Gedächtnis
1964, *76*, 869–873; –
- Wanzlick*, H. W.**
Aspects of Nucleophilic Carbene Chemistry
1962, *74*, 129–134; **1962**, *1*, 75–80
Syntheses with Nascent Quinones
1964, *76*, 313–320; **1964**, *3*, 401–408
- Davis*, A. P., **Wareham, R. S.**
Carbohydrate Recognition through Noncovalent Interactions: A Challenge for Biomimetic and Supramolecular Chemistry
1999, *111*, 3160–3179; **1999**, *38*, 2978–2996
- Clayden*, J., **Warren, S.**
Stereocontrol in Organic Synthesis Using the Diphenylphosphoryl Group
1996, *108*, 261–291; **1996**, *35*, 241–270
- Clark*, V. M., Hutchinson, D. W., Kirby, A. J., **Warren, S. G.**
The Design of Phosphorylating Agents
1964, *76*, 704–712; **1964**, *3*, 678–685
- Warren*, S. G.**
S_E(P): Electrophilic Substitution at Phosphorus
1968, *80*, 649–659; **1968**, *7*, 606–617
- Kuhn*, H., **Waser, J.**
Molecular Self-Organization and the Origin of Life
1981, *93*, 495–515; **1981**, *20*, 500–520

- Britovsek, G. J. P., Gibson*, V. C., **Wass, D. F.**
The Search for New-Generation Olefin Polymerization Catalysts:
Life beyond Metallocenes
1999, *111*, 448–468; **1999**, *38*, 428–447
- Wasserscheid*, P.**, Keim, W.
Ionic Liquids—New “Solutions” for Transition Metal Catalysis
2000, *112*, 3926–3945; **2000**, *39*, 3772–3789
- Waterman*, M. R.**, Cottam, G. L.
Molecular Aspects of Sickle Cell Disease
1976, *88*, 821–830; **1976**, *15*, 749–757
- White*, E. H., Miano, J. D., **Watkins, C. J.**, Breaux, E. J.
Chemically Produced Excited States
1974, *86*, 292–307; **1974**, *13*, 229–243
- Watson*, J. D.**
Die Beteiligung der Ribonucleinsäure an der Proteinsynthese
(Nobel Lecture)
1963, *75*, 439–449; –
- Fersht*, A. R., Shi, J.-P., Wilkinson, A. J., Blow, D. M., Carter, P.,
Waye, M. M. Y., Winter, G. P.
Analysis of Enzyme Structure and Activity by Protein Engineering
1984, *96*, 455–462; **1984**, *23*, 467–473
- Brintzinger*, H. H., Fischer, D., Mülhaupt, R., Rieger, B.,
Waymouth, R. M.
Stereospecific Olefin Polymerization with Chiral Metallocene
Catalysts
1995, *107*, 1255–1283; **1995**, *34*, 1143–1170
- Vögtle*, F., **Weber, E.**
Multidentate Acyclic Neutral Ligands and Their Complexation
1979, *91*, 813–837; **1979**, *18*, 753–776
- Sund*, H., **Weber, K.**
The Quaternary Structure of Proteins
1966, *78*, 217–232; **1966**, *5*, 231–245
- Prinzbach*, H., **Weber, Klaus**
From an Insecticide to Plato’s Universe—The Pagodane Route to
Dodecahedranes: New Pathways and New Perspectives
1994, *106*, 2329–2348; **1994**, *33*, 2239–2257
- Weber*, L.**
Metal Complexes of Sulfur Ylides: Coordination Chemistry,
Preparative Organic Chemistry, and Biochemistry
1983, *95*, 539–551; **1983**, *22*, 516–528
Metallophosphaalkenes—from Exotics to Versatile Building
Blocks in Preparative Chemistry
1996, *108*, 292–310; **1996**, *35*, 271–288
- Schomburg*, G., **Weeke, F.**, Weimann, B., Ziegler, E.
Data Processing in Gas Chromatography
1972, *84*, 390–399; **1972**, *11*, 366–375
- Wegner*, G.**
Polymers with Metal-Like Conductivity—A Review of their
Synthesis, Structure, and Properties
1981, *93*, 352–371; **1981**, *20*, 361–381
- Erbe*, F., Grewer, T., **Wehage, K.**
Zur Kinetik des homogenen Zerfalls von Chlorkohlenwasserstof-
fen in der Gasphase
1962, *74*, 988–993; –
- Bossert, F., Meyer*, H., **Wehinger, E.**
4-Aryldihydropyridines, a New Class of Highly Active Calcium
Antagonists
1981, *93*, 755–763; **1981**, *20*, 762–769
- Eschenmoser*, A., Yamada, Y., Miljkovic, D., **Wehrli, P.**,
Golding, B., Löliger, P., Keese, R., Müller, K.
A New Type of Corrin Synthesis
1969, *81*, 301–306; **1969**, *8*, 343–348
- Weidel*, W.**
Ein neuer Typ von Makromolekülen
1964, *76*, 801–807; –
- Weidmann, B.**, Seebach*, D.
Organometallic Compounds of Titanium and Zirconium as Selec-
tive Nucleophilic Reagents in Organic Synthesis
1983, *95*, 12–26; **1983**, *22*, 31–45
- Weigert*, W. M.**, Offermanns, H., Scherberich, P.
D-Penicillamine—Production and Properties
1975, *87*, 372–378; **1975**, *14*, 330–336
- Weigert*, W. M.**, Koberstein, E.
Detoxification of Automotive Exhaust Gases with Multifunctional
Catalysts
1976, *88*, 657–663; **1976**, *15*, 586–592
- Weigl*, J. W.**
Electrophotography
1977, *89*, 386–406; **1977**, *16*, 374–392
- Witt*, H. T., Rumberg, B., Schmidt-Mende, P., Siggel, U.,
Skerra, B., Vater, J., **Weikard, J.**
On the Analysis of Photosynthesis by Flashlight Techniques
1965, *77*, 821–842; **1965**, *4*, 799–819
- Repke*, K. R. H., Megges, R., **Weiland, J.**, Schön, R.
Digitalis Research in Berlin—Buch—Retrospective and Perspec-
tive Views
1995, *107*, 308–321; **1995**, *34*, 282–294
- Henneberg*, D., Casper, K., Ziegler, E., **Weimann, B.**
Computer-Aided Analysis of Organic Mass Spectra
1972, *84*, 381–390; **1972**, *11*, 357–366
- Schomburg*, G., Weeke, F., **Weimann, B.**, Ziegler, E.
Data Processing in Gas Chromatography
1972, *84*, 390–399; **1972**, *11*, 366–375
- Hoffmann*, E. G., Stempfle, W., Schroth, G., **Weimann, B.**,
Ziegler, E., Brandt, J.
Use of a Computer in Nuclear Magnetic Resonance Spectroscopy
1972, *84*, 400–411; **1972**, *11*, 375–386
- Jandeleit*, B., Schaefer*, D. J., Powers, T. S., Turner, H. W.,
Weinberg, W. H.
Combinatorial Materials Science and Catalysis
1999, *111*, 2648–2689; **1999**, *38*, 2494–2532
- Addadi*, L., **Weiner*, S.**
Control and Design Principles in Biological Mineralization
1992, *104*, 159–176; **1992**, *31*, 153–169
- Bringmann*, G., Walter, R., **Weirich, R.**
The Directed Synthesis of Biaryl Compounds: Modern Concepts
and Strategies
1990, *102*, 1006–1019; **1990**, *29*, 977–991
- Kröhnke*, F., Zecher, W., Curtze, J., Drechsler, D., Pfléghar, K.,
Schnalke, K. E., **Weis, W.**
Syntheses Using the Michael Addition of Pyridinium Salts
1962, *74*, 811–817; **1962**, *1*, 626–632
- Martin*, D., **Weise, A.**, Niclas, H.-J.
The Solvent Dimethyl Sulfoxide
1967, *79*, 340–357; **1967**, *6*, 318–334
- Hucho*, F., **Weise, C.**
Ligand-Gated Ion Channels
2001, *113*, 3194–3211; **2001**, *40*, 3100–3116
- Weiske*, C.**
Chemical Information Services
1970, *82*, 569–573; **1970**, *9*, 550–555
- Weiss*, Alarich**
Nuclear Magnetic Resonance in Solid-State Chemistry
1972, *84*, 498–511; **1972**, *11*, 607–619
- Weiss*, Armin**
Organic Derivatives of Mica-Type Layer-Silicates
1963, *75*, 113–122; **1963**, *2*, 134–144
A Secret of Chinese Porcelain Manufacture
1963, *75*, 755–762; **1963**, *2*, 697–703
Replication and Evolution in Inorganic Systems
1981, *93*, 843–854; **1981**, *20*, 850–860

Weiss*, E.

Structures of Organo Alkali Metal Complexes and Related Compounds

1993, *105*, 1565–1587; **1993**, *32*, 1501–1523

Fischer*, R. A., Weiss, J.

Coordination Chemistry of Aluminum, Gallium, and Indium at Transition Metals

1999, *111*, 3002–3022; **1999**, *38*, 2830–2850

Chevrier, B., Weiss*, R.

Structures of the Intermediate Complexes in Friedel–Crafts Acylations

1974, *86*, 12–21; **1974**, *13*, 1–10

Edenhofer, F., **Weiss, S.**, Winnacker*, E.-L., Famulok*, M. Chemistry and Molecular Biology of Transmissible Spongiform Encephalopathies

1997, *109*, 1748–1769; **1997**, *36*, 1674–1694

Hartmann*, G. R., Heinrich, P., Kollenda, M. C., Skrobranek, B., Tropschug, M., **Weiss, W.**

Molecular Mechanism of Action of the Antibiotic Rifampicin

1985, *97*, 1011–1017; **1985**, *24*, 1009–1014

Addadi*, L., Berkovitch-Yellin, Z., **Weissbuch, I.**, van Mil, J., Shimon, L. J. W., Lahav*, M., Leiserowitz*, L.

Growth and Dissolution of Organic Crystals with “Tailor-Made” Inhibitors—Implications in Stereochemistry and Materials Science

1985, *97*, 476–496; **1985**, *24*, 466–485

Weissermel*, K., Fischer, E., Gutweiler, K., Hermann, H. D., Cherdron, H.

Polymerization of Trioxane

1967, *79*, 512–520; **1967**, *6*, 526–533

Weissermel*, K.

Raw Material-Polymer Interrelationships—Today and Tomorrow

1980, *92*, 75–83; **1980**, *19*, 79–87

Weissermel*, K., Kleiner, H.-J., Finke, M., Felcht, U.-H.

Advances in Organophosphorus Chemistry Based on Dichloro-(methyl)phosphane

1981, *93*, 256–266; **1981**, *20*, 223–233

Weissermel*, K., Cherdron*, H.

Raw Materials and Energy: A Challenge for Polymer Research

1983, *95*, 763–770; **1983**, *22*, 764–771

Weisz*, H.

Application of Catalyzed Reactions in Analytical Chemistry

1976, *88*, 177–184; **1976**, *15*, 150–156

Hunger*, Michael, **Weitkamp*, J.**

In situ IR, NMR, EPR, and UV/Vis Spectroscopy: Tools for New Insight into the Mechanisms of Heterogeneous Catalysis

2001, *113*, 3040–3059; **2001**, *40*, 2954–2971

Scharf*, H.-D., Fleischhauer, J., Leismann, H., Ressler, I., Schleker, W., **Weitz, R.**

Criteria for the Efficiency, Stability, and Capacity of Abiotic Photochemical Solar Energy Storage Systems

1979, *91*, 696–707; **1979**, *18*, 652–662

Weller*, H.

Colloidal Semiconductor Q-Particles: Chemistry in the Transition Region Between Solid State and Molecules

1993, *105*, 43–55; **1993**, *32*, 41–53

Wells, S. L., DeSimone*, J. M.

CO₂ Technology Platform: An Important Tool for Environmental Problem Solving

2001, *113*, 534–544; **2001**, *40*, 518–527

Rees*, D. A., **Welsh, E. J.**

Secondary and Tertiary Structure of Polysaccharides in Solutions and Gels

1977, *89*, 228–239; **1977**, *16*, 214–224

Fitzky*, H. G., **Wendisch, D.**, Holm, R.

Structure Determinations of Nitrogen Compounds with the Aid of NQR, NMR, and ESCA Spectroscopy

1972, *84*, 1037–1048; **1972**, *11*, 979–990

Glemser*, O., **Wendlandt, H. G.**

The Reaction of Oxides with Water at High Pressures and Temperatures

1963, *75*, 949–957; **1964**, *3*, 47–54

Wendt*, H.

The Reactivity of Primary Free Radicals and Radical Ions, Mass Transfer, and Electrosorption—The Fundamental Factors for Selectivity in Electrochemical Syntheses of Organic Compounds

1982, *94*, 275–289; **1982**, *21*, 256–270

Wendt, K. U., Schulz*, G. E., Corey, E. J., Liu*, D. R.

Enzyme Mechanisms for Polycyclic Triterpene Formation

2000, *112*, 2930–2952; **2000**, *39*, 2812–2833

Wengenmayer*, F.

Synthesis of Peptide Hormones using Recombinant DNA Techniques

1983, *95*, 874–891; **1983**, *22*, 842–858

Eckes, P., Donn, G., **Wengenmayer*, F.**

Genetic Engineering With Plants

1987, *99*, 392–412; **1987**, *26*, 382–402

Wenger*, R. M.

Synthesis of Cyclosporine and Analogues: Structural Requirements for Immunosuppressive Activity

1985, *97*, 88–96; **1985**, *24*, 77–85

Savin*, A., Nesper*, R., **Wengert, S.**, Fässler, T. F.

ELF: The Electron Localization Function

1997, *109*, 1892–1918; **1997**, *36*, 1808–1832

Bertrand*, G., **Wentrup*, C.**

Nitrile Imines: From Matrix Characterization to Stable Compounds

1994, *106*, 549–568; **1994**, *33*, 527–545

Wenz*, G.

Cyclodextrins as Building Blocks for Supramolecular Structures and Functional Units

1994, *106*, 851–870; **1994**, *33*, 803–822

Schulze*, P.-E., **Wenzel, M.**

Automatic Activity Measurements during the Separation of Radioactive Compounds by Thin-Layer Chromatography

1962, *74*, 777–779; **1962**, *1*, 580–582

Fischer*, E. O., **Werner, H.**

Metal π -Complexes with Di- and Oligo-olefinic Ligands

1963, *75*, 57–70; **1963**, *2*, 80–93

Werner*, H.

Kinetic Studies on Substitution Reactions of Carbonylmetal Complexes

1968, *80*, 1017–1028; **1968**, *7*, 930–941

New Varieties of Sandwich Complexes

1977, *89*, 1–10; **1977**, *16*, 1–9

Electron-Rich Half-Sandwich Complexes—Metal Bases *par excellence*

1983, *95*, 932–954; **1983**, *22*, 927–949

Complexes of Carbon Monoxide and Its Relatives: An Organometallic Family Celebrates Its Birthday

1990, *102*, 1109–1121; **1990**, *29*, 1077–1089

Schlittler*, E., de Stevens, G., **Werner, L.**

Recent Developments in Non-Mercurial Diuretics

1962, *74*, 317–326; **1962**, *1*, 235–245

West*, R.

Chemistry of the Silicon-Silicon Double Bond

1987, *99*, 1231–1241; **1987**, *26*, 1201–1211

Arend, M., **Westermann, B.**, Risch*, N.

Modern Variants of the Mannich Reaction

1998, *110*, 1096–1122; **1998**, *37*, 1044–1070

- Lüderitz, O., **Westphal*, O.**
The Significance of Enterobacterial Mutants for the Chemical Investigation of Their Cell-Wall Polysaccharides
1966, 78, 172–185; **1966**, 5, 198–210
- Westphal*, O.**
Richard Kuhn in Memoriam
1968, 80, 501–519; **1968**, 7, 489–506
- Keiderling*, W., **Wetzel, H. P.**
Problems of Iron Metabolism with Special Reference to Biochemical, Physiological, and Clinical Aspects
1966, 78, 664–672; **1966**, 5, 633–641
- Wever*, H.**
Mass Transport in Metallic Solids
1963, 75, 309–316; **1963**, 2, 288–295
- Atwell*, W. H., **Weyenberg, D. R.**
Divalent Silicon Intermediates
1969, 81, 485–493; **1969**, 8, 469–477
- Weyer*, J.**
A Hundred Years of Stereochemistry – The Principal Development Phases in Retrospect
1974, 86, 604–611; **1974**, 13, 591–598
- Weygand*, F.**, Prox, A., Schmidhammer, L., König, W.
Gas-Chromatographic Investigation of Racemization during Peptide Synthesis
1963, 75, 282–287; **1963**, 2, 183–188
- Weygand*, F.**, Floss, H.-G.
The Biogenesis of Ergot Alkaloids
1963, 75, 783–788; **1963**, 2, 243–247
- White*, E. H.**, Miano, J. D., Watkins, C. J., Breaux, E. J.
Chemically Produced Excited States
1974, 86, 292–307; **1974**, 13, 229–243
- Spenser*, I. D., **White, R. L.**
Biosynthesis of Vitamin B₁ (Thiamin): An Instance of Biochemical Diversity
1997, 109, 1096–1111; **1997**, 36, 1032–1046
- White*, T. J.**, Segall, R. L., Turner, P. S.
Radwaste Immobilization by Structural Modification—the Crystallochemical Properties of SYNROC, a Titanate Ceramic
1985, 97, 369–376; **1985**, 24, 357–365
- Metiu, H., Ross, J., **Whitesides*, G. M.**
A Basis for Orbital Symmetry Rules
1979, 91, 363–379; **1979**, 18, 377–392
- Whitesides*, G. M.**, Wong, C.-H.
Enzymes as Catalysts in Synthetic Organic Chemistry
1985, 97, 617–638; **1985**, 24, 617–638
- Whitesides*, G. M.**
What Will Chemistry Do in the Next Twenty Years?
1990, 102, 1247–1257; **1990**, 29, 1209–1218
- Xia, Y., **Whitesides*, G. M.**
Soft Lithography
1998, 110, 568–594; **1998**, 37, 550–575
- Mammen, M., Choi, S.-K., **Whitesides*, G. M.**
Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors
1998, 110, 2908–2953; **1998**, 37, 2754–2794
- Whitten*, D. G.**
Photochemical Reactions of Surfactant Molecules in Condensed Monolayer Assemblies—Environmental Control and Modification of Reactivity
1979, 91, 472–483; **1979**, 18, 440–450
- Wiberg*, E.**, Stecher, O., Andrascheck, H. J., Kreuzbichler, L., Staude, E.
Recent Developments in the Chemistry of Metal Silyls of the Type M(SiR₃)_n
1963, 75, 516–524; **1963**, 2, 507–515
- Wiberg*, E.**, van Ghemen, M., Müller-Schiedmayer, G.
New Developments in the Chemistry of Polyphosphanes
1963, 75, 814–823; **1963**, 2, 646–654
- Wiberg*, K. B.**
The Concept of Strain in Organic Chemistry
1986, 98, 312–322; **1986**, 25, 312–322
- Wiberg*, N.**
Tetraaminoethylenes as Strong Electron Donors
1968, 80, 809–822; **1968**, 7, 766–779
Bis(trimethylsilyl)diimine: Preparation, Structure, and Reactivity
1971, 83, 379–392; **1971**, 10, 374–387
- Wicke*, E.**
Structure Formation and Molecular Mobility in Water and in Aqueous Solutions
1966, 78, 1–19; **1966**, 5, 106–122
- Kabbe*, H.-J., **Widdig, A.**
Synthesis and Reactions of 4-Chromanones
1982, 94, 254–262; **1982**, 21, 247–256
- Wiechert*, R.**
Modern Steroid Problems
1970, 82, 331–342; **1970**, 9, 321–332
The Role of Birth Control in the Survival of the Human Race
1977, 89, 513–520; **1977**, 16, 506–513
- Wiegandt*, H.**
The Structure and the Function of Gangliosides
1968, 80, 89–98; **1968**, 7, 87–96
- Wieghardt*, K.**
The Active Sites in Manganese-Containing Metalloproteins and Inorganic Model Complexes
1989, 101, 1179–1198; **1989**, 28, 1153–1172
- Wieland*, T.**, Pfeleiderer, G.
Isozymes and Heteroenzymes
1962, 74, 261–270; **1962**, 1, 169–178
- Wieland*, T.**, Determann, H.
Methods of Peptide Synthesis
1963, 75, 539–551; **1963**, 2, 358–370
- Wieland*, T.**, Lüben, G., Ottenheim, H., Faesel, J., de Vries, J. X., Konz, W., Prox, A., Schmid, J.
The Discovery, Isolation, Elucidation of Structure, and Synthesis of Antamanide
1968, 80, 209–213; **1968**, 7, 204–208
- Wieland*, W.**
The Philosophy of Science: Its Possibilities and Limits
1981, 93, 627–634; **1981**, 20, 617–623
- Schlupp*, K. F., **Wien, H.**
Production of Oil by Hydrogenation of Coal
1976, 88, 348–353; **1976**, 15, 341–346
- Wieschaus*, E.**
From Molecular Patterns to Morphogenesis—The Lessons from Studies on the Fruit Fly *Drosophila* (Nobel Lecture)
1996, 108, 2330–2337; **1996**, 35, 2188–2194
- Beck*, W., Niemer, B., **Wieser, M.**
Methods for the Synthesis of μ -Hydrocarbon Transition Metal Complexes without Metal–Metal Bonds
1993, 105, 969–996; **1993**, 32, 923–949
- Wigner*, E. P.**
Ereignisse, Naturgesetze und Invarianzprinzipien (Nobel Lecture)
1964, 76, 737–742; –
- Schmidt*, P., **Wilhelm, M.**
A New Group of Antischistosomal Compounds
1966, 78, 850–855; **1966**, 5, 857–862
- Stec*, W. J., **Wilk, A.**
Stereocontrolled Synthesis of Oligo(nucleoside phosphorothioate)s
1994, 106, 747–761; **1994**, 33, 709–722

Wilke*, G.

Cyclooligomerization of Butadiene and Transition Metal π -Complexes

1963, 75, 10–20; **1963**, 2, 105–115

Wilke*, G., Bogdanović, B., Hardt, P., Heimbach, P., Keim, W., Kröner, M., Oberkirch, W., Tanaka, K., Steinrück, E., Walter, D., Zimmermann, H.

Allyl-Transition Metal Systems

1966, 78, 157–172; **1966**, 5, 151–164

Wilke*, G.

The Computer in Chemical Research – An Introduction

1972, 84, 370–371; **1972**, 11, 347–348

Fischer, K., Jonas, K., Misbach, P., Stabba, R., **Wilke*, G.**

The “Nickel Effect”

1973, 85, 1002–1012; **1973**, 12, 943–953

Bogdanović*, B., Henc, B., Lösler, A., Meister, B., Pauling, H., **Wilke, G.**

Asymmetric Syntheses with the Aid of Homogeneous Transition Metal Catalysts

1973, 85, 1013–1023; **1973**, 12, 954–964

Bönnemann*, H., Grard, C., Kopp, W., Pump, W., Tanaka, K., **Wilke, G.**

The Allylcobalt System

1973, 85, 1024–1035; **1973**, 12, 964–974

Wilke*, G.

Extraction with Supercritical Gases—A Foreword

1978, 90, 747–748; **1978**, 17, 701–702

Contributions to Organo-Nickel Chemistry

1988, 100, 189–211; **1988**, 27, 185–206

Cammann*, K., Lemke, U., Rohen, A., Sander, J., **Wilken, H.**, Winter, B.

Chemical Sensors and Biosensors—Principles and Applications

1991, 103, 519–541; **1991**, 30, 516–539

Wilkins*, M. H. F.

Die molekulare Konfiguration der Nucleinsäure (Nobel Lecture)

1963, 75, 429–439; –

Fersht*, A. R., Shi, J.-P., **Wilkinson, A. J.**, Blow, D. M., Carter, P., Waye, M. M. Y., Winter, G. P.

Analysis of Enzyme Structure and Activity by Protein Engineering

1984, 96, 455–462; **1984**, 23, 467–473

Cheetham*, A. K., **Wilkinson, A. P.**

Synchrotron X-ray and Neutron Diffraction Studies in Solid-State Chemistry

1992, 104, 1594–1608; **1992**, 31, 1557–1570

Wilkinson*, G.

Die lange Suche nach stabilen Alkyl-Übergangsmetall-Verbindungen (Nobel Lecture)

1974, 86, 664–667; –

Uhlmann*, E., Peyman, A., Breipohl, G., **Will, D. W.**

PNA: Synthetic Polyamide Nucleic Acids with Unusual Binding Properties

1998, 110, 2954–2983; **1998**, 37, 2796–2823

Will*, G.

Crystal Structure Analysis by Neutron Diffraction

1969, 81, 307–320, 984–995; **1969**, 8, 356–369, 950–961

Bowen, R. D., **Williams, D. H.**, Schwarz*, H.

The Chemistry of Isolated Cations

1979, 91, 484–495; **1979**, 18, 451–461

Williams*, D. H., Bardsley, B.

The Vancomycin Group of Antibiotics and the Fight against Resistant Bacteria

1999, 111, 1264–1286; **1999**, 38, 1172–1193

Williams*, D. J.

Organic Polymeric and Non-Polymeric Materials with Large Optical Nonlinearities

1984, 96, 637–651; **1984**, 23, 690–703

Colquhoun, H. M., Stoddart*, J. F., **Williams, D. J.**

Second-Sphere Coordination—a Novel Rôle for Molecular Receptors

1986, 98, 483–503; **1986**, 25, 487–507

Williams*, R. J. P.

Flexible Drug Molecules and Dynamic Receptors

1977, 89, 805–816; **1977**, 16, 766–777

Stahl*, E., Schilz, W., Schütz, E., **Willing, E.**

A Quick Method for the Microanalytical Evaluation of the Dissolving Power of Supercritical Gases

1978, 90, 778–785; **1978**, 17, 731–738

Willner*, H., Aubke*, F.

Homoleptic Metal Carbonyl Cations of the Electron-Rich Metals: Their Generation in Superacid Media Together with Their Spectroscopic and Structural Characterization

1997, 109, 2506–2530; **1997**, 36, 2402–2425

Willner*, I., Rubin, S.

Control of the Structure and Functions of Biomaterials by Light

1996, 108, 419–439; **1996**, 35, 367–385

Willner*, I., Katz, E.

Integration of Layered Redox Proteins and Conductive Supports for Bioelectronic Applications

2000, 112, 1230–1269; **2000**, 39, 1180–1218

Windholz*, T. B., **Windholz, M.**

Recent Advances in the Synthesis of 19-Norsteroids

1964, 76, 249–258; **1964**, 3, 353–361

Windholz*, T. B., Windholz, M.

Recent Advances in the Synthesis of 19-Norsteroids

1964, 76, 249–258; **1964**, 3, 353–361

Wingender*, E., Seifart, K. H.

Transcription in Eukaryotes—The Role of Transcription Complexes and Their Components

1987, 99, 206–215; **1987**, 26, 218–227

Truscheit*, E., Frommer, W., Junge, B., Müller, L., Schmidt, D. D., **Wingender, W.**

Chemistry and Biochemistry of Microbial α -Glucosidase Inhibitors

1981, 93, 738–755; **1981**, 20, 744–761

Kunin*, R., **Winger, A. G.**

Liquid Ion-Exchange Technology

Chem.-Ing.-Tech. **1962**, 34, 461–467; **1962**, 1, 149–155

Brown*, R., **Winkler, C. A.**

The Chemical Behavior of Active Nitrogen

1970, 82, 187–202; **1970**, 9, 181–196

Winkler-Oswatitsch, R., Eigen*, M.

The Art of Titration

1979, 91, 20–51; **1979**, 18, 20–49

Edenhofer, F., Weiss, S., **Winnacker*, E.-L.**, Famulok*, M.

Chemistry and Molecular Biology of Transmissible Spongiform Encephalopathies

1997, 109, 1748–1769; **1997**, 36, 1674–1694

Nicolaou*, K. C., Boddy, C. N. C., Bräse, S., **Winssinger, N.**

Chemistry, Biology, and Medicine of the Glycopeptide Antibiotics

1999, 111, 2230–2287; **1999**, 38, 2096–2152

Nicolaou*, K. C., Vourloumis, D., **Winssinger, N.**, Baran, P. S.

The Art and Science of Total Synthesis at the Dawn of the Twenty-First Century

2000, 112, 46–126; **2000**, 39, 44–122

Cammann*, K., Lemke, U., Rohen, A., Sander, J., Wilken, H., **Winter, B.**

Chemical Sensors and Biosensors—Principles and Applications

1991, 103, 519–541; **1991**, 30, 516–539

- Winter*, G.**
Polycrystalline Inorganic Fibers – Production, Properties, Applications
1972, *84*, 866–875; **1972**, *11*, 751–760
- Lange*, H., Wötting, G., **Winter, G.**
Silicon Nitride—From Powder Synthesis to Ceramic Materials
1991, *103*, 1606–1625; **1991**, *30*, 1579–1597
- Fersht*, A. R., Shi, J.-P., Wilkinson, A. J., Blow, D. M., Carter, P., Waye, M. M. Y., **Winter, G. P.**
Analysis of Enzyme Structure and Activity by Protein Engineering
1984, *96*, 455–462; **1984**, *23*, 467–473
- Winter*, J. H.**
Methods for the Synthesis of Uniform Polymers
1966, *78*, 887–895; **1966**, *5*, 862–870
- Fugmann*, R., Nickelsen, H., Nickelsen, I., **Winter, J. H.**
TOSAR – A Topological Method for the Representation of Synthetic and Analytical Relations of Concepts
1970, *82*, 611–618; **1970**, *9*, 589–595
- Winterfeldt*, E.**
Additions to the Activated CC Triple Bond
1967, *79*, 389–400; **1967**, *6*, 423–434
- Harre, M., Raddatz, P., Walenta, R., **Winterfeldt*, E.**
4-Oxo-2-cyclopentenyl Acetate—A Synthetic Intermediate
1982, *94*, 496–508; **1982**, *21*, 480–492
- Wirth*, T.**
Organoselenium Chemistry in Stereoselective Reactions
2000, *112*, 3890–3900 (4357); **2000**, *39*, 3740–3749 (4189)
- Kauffmann*, T., **Wirthwein, R.**
Progress in the Hetaryne Field
1971, *83*, 21–34; **1971**, *10*, 20–33
- Daly*, J. W., **Witkop, B.**
Recent Studies on the Centrally Active Endogenous Amines
1963, *75*, 552–572; **1963**, *2*, 421–440
- Witkop*, B.**
Heinrich Wieland Centennial; His Lifework and His Legacy Today
1977, *89*, 575–589; **1977**, *16*, 559–572
- Dieterich*, D., Keberle, W., **Witt, H.**
Polyurethane Ionomers, a New Class of Block Polymers
1970, *82*, 53–63; **1970**, *9*, 40–50
- Witt*, H. T.**, Rumberg, B., Schmidt-Mende, P., Siggel, U., Skerra, B., Vater, J., Weikard, J.
On the Analysis of Photosynthesis by Flashlight Techniques
1965, *77*, 821–842; **1965**, *4*, 799–819
- Müller*, H., **Wittenberg, D.**, Seibt, H., Scharf, E.
Recent Results in the Catalytic Oligomerization and Co-oligomerization of Butadiene
1965, *77*, 318–323; **1965**, *4*, 327–332
- Kirschning*, A., Monenschein, H., **Wittenberg, R.**
Functionalized Polymers—Emerging Versatile Tools for Solution-Phase Chemistry and Automated Parallel Synthesis
2001, *113*, 670–701; **2001**, *40*, 650–679
- Wittig*, G.**
Small Rings with Carbon-Carbon Triple Bonds
1962, *74*, 479–483; **1962**, *1*, 415–419
- 1,2-Dehydrobenzene
1965, *77*, 752–759; **1965**, *4*, 731–737
- Wittig*, G.**, Reiff, H.
Directed Aldol Condensations
1968, *80*, 8–15; **1968**, *7*, 7–14
- Wittig*, G.**
Von Diälen über Ylide zu meinem Idyll (Nobel Lecture)
1980, *92*, 671–675; –
- Wittinghofer*, A.**, Waldmann, H.
Ras—A Molecular Switch Involved in Tumor Formation
2000, *112*, 4360–4383; **2000**, *39*, 4192–4214
- Rüchardt*, C., Meier, M., Haaf, K., Pakusch, J., **Wolber, E. K. A.**, Müller, B.
The Isocyanide–Cyanide Rearrangement; Mechanism and Preparative Applications
1991, *103*, 907–915; **1991**, *30*, 893–901
- Heymann*, K., Riedel, W., **Woldt, G.**
Electroplating of Plastics in Theory and Practice
1970, *82*, 412–421; **1970**, *9*, 425–433
- Aigner, A., **Wolf, S.**, Gassen*, H. G.
Transport and Detoxication: Principles, Approaches, and Perspectives for Research on the Blood–Brain Barrier
1997, *109*, 24–42; **1997**, *36*, 24–41
- Jacquemain, D., **Wolf, S. G.**, Leveiller, F., Deutsch, M., Kjaer*, K., Als-Nielsen*, J., Lahav*, M., Leiserowitz*, L.
Two-Dimensional Crystallography of Amphiphilic Molecules at the Air–Water Interface
1992, *104*, 134–158; **1992**, *31*, 130–152
- Koerner von Gustorf*, E. A., Jaenicke, O., **Wolfbeis, O.**, Eady, C. R.
The Laser-Evaporation of Metals and Its Application to Organometallic Synthesis
1975, *87*, 300–309; **1975**, *14*, 278–286
- Menzinger*, M., **Wolfgang, R. L.**
The Meaning and Use of the Arrhenius Activation Energy
1969, *81*, 446–452; **1969**, *8*, 438–444
- Menzel*, K. H., Pütter, R., **Wolfrum, G.**
Synthesen und Reaktionen neuer ortho-kondensierter Pyrazoloverbindungen
1962, *74*, 839–847; –
- Wagner*, H. G., **Wolfrum, J.**
Reactions of Atoms
1971, *83*, 561–577; **1971**, *10*, 604–619
- Kleineremanns, K., **Wolfrum*, J.**
Laser Chemistry—What is Its Current Status?
1987, *99*, 38–58; **1987**, *26*, 38–58
- Whitesides*, G. M., **Wong, C.-H.**
Enzymes as Catalysts in Synthetic Organic Chemistry
1985, *97*, 617–638; **1985**, *24*, 617–638
- Wong*, C.-H.**, Halcomb, R. L., Ichikawa, Y., Kajimoto, T.
Enzymes in Organic Synthesis: Application to the Problems of Carbohydrate Recognition (Part 1)
1995, *107*, 453–474; **1995**, *34*, 412–432
- Enzymes in Organic Synthesis: Application to the Problems of Carbohydrate Recognition (Part 2)
1995, *107*, 569–593; **1995**, *34*, 521–546
- Sears*, P., **Wong*, C.-H.**
Carbohydrate Mimetics: A New Strategy for Tackling the Problem of Carbohydrate-Mediated Biological Recognition
1999, *111*, 2446–2471; **1999**, *38*, 2300–2324
- Machajewski, T. D., **Wong*, C.-H.**
The Catalytic Asymmetric Aldol Reaction
2000, *112*, 1406–1430; **2000**, *39*, 1352–1375
- Ritter, T. K., **Wong*, C.-H.**
Carbohydrate-Based Antibiotics: A New Approach to Tackling the Problem of Resistance
2001, *113*, 3616–3641; **2001**, *40*, 3508–3533
- Ying*, J. Y., Mehnert, C. P., **Wong, M. S.**
Synthesis and Applications of Supramolecular-Templated Mesoporous Materials
1999, *111*, 58–82; **1999**, *38*, 56–77
- Hemmerich*, P., Veeger, C., **Wood, H. C. S.**
Progress in Chemistry and Molecular Biology of Flavins and Flavocoenzymes
1965, *77*, 699–716; **1965**, *4*, 671–687

Woodward*, R. B.

Neueste Fortschritte in der Chemie der Naturstoffe (Nobel Lecture)

1966, 78, 557–564; –

Woodward*, R. B., Hoffmann, R.

The Conservation of Orbital Symmetry

1969, 81, 797–869; 1969, 8, 781–853

Prince*, R. H., Woolley, P. R.

Metal Ion Function in Carbonic Anhydrase

1972, 84, 461–471; 1972, 11, 408–417

Vögtle*, F., Löhr, H.-G., Franke, J., Worsch, D.

Host/Guest Chemistry of Organic Onium Compounds—Clathrates, Crystalline Complexes, and Molecular Inclusion Compounds in Aqueous Solution

1985, 97, 721–736; 1985, 24, 727–742

Lange*, H., Wötting, G., Winter, G.

Silicon Nitride—From Powder Synthesis to Ceramic Materials

1991, 103, 1606–1625; 1991, 30, 1579–1597

Paver, M. A., Russell, C. A., Wright*, D. S.

Structure and Bonding in Organometallic Anions of Heavy Group 14 and 15 Elements

1995, 107, 1679–1688; 1995, 34, 1545–1554

Wright*, J. C., Tallant, D. R., Gustafson, F. J., Johnston, M. V.,

Miller, M. P., Moore, D. S., Porter, L. C., Akse, J. R.

Applications of SEPIL to the Solid State Defect Chemistry of Fluorites and Ultra-Trace Inorganic Analysis

1979, 91, 765–780; 1979, 18, 738–752

Prout*, C. K., Wright, J. D.

Observations on the Crystal Structures of Electron Donor–Acceptor Complexes

1968, 80, 688–697; 1968, 7, 659–667

Kresze*, G., Wucherpfennig, W.

Organic Syntheses with Imides of Sulfur Dioxide

1967, 79, 109–127; 1967, 6, 149–167

Simon*, W., Wuhrmann, H.-R., Vašák, M., Pioda, L. A. R.,

Dohner, R., Štefanac, Z.

Ion-Selective Sensors

1970, 82, 433–443; 1970, 9, 445–455

Wulff*, G., Röhle, G.

Results and Problems of *O*-Glycoside Synthesis

1974, 86, 173–187; 1974, 13, 157–170

Wulff*, G.

Main-Chain Chirality and Optical Activity in Polymers Consisting of C–C Chains

1989, 101, 22–38; 1989, 28, 21–37

Molecular Imprinting in Cross-Linked Materials with the Aid of Molecular Templates—A Way towards Artificial Antibodies

1995, 107, 1958–1979; 1995, 34, 1812–1832

Wunderlich*, B.

Crystallization during Polymerization

1968, 80, 1009–1016; 1968, 7, 912–919

Meerwein*, H., Wunderlich, K., Zenner, K. F.

Ionic Hydrogenations and Dehydrogenations

1962, 74, 807–811; 1962, 1, 613–617

Wünsch*, E.

Synthesis of Naturally Occurring Polypeptides, Problems of Current Research

1971, 83, 773–782; 1971, 10, 786–795

**Xia, Y., Whitesides*, G. M.**

Soft Lithography

1998, 110, 568–594; 1998, 37, 550–575

**Yamada*, H., Shimizu*, S.**

Microbial and Enzymatic Processes for the Production of Biologically and Chemically Useful Compounds

1988, 100, 640–661; 1988, 27, 622–642

Yamada*, K., Ojika, M., Kigoshi, H.

Isolation, Chemistry, and Biochemistry of Ptaquiloside, a Bracken Carcinogen

1998, 110, 1918–1926; 1998, 37, 1818–1826

Eschenmoser*, A., Yamada, Y., Miljkovic, D., Wehrli, P.,

Golding, B., Löliger, P., Keese, R., Müller, K.

A New Type of Corrin Synthesis

1969, 81, 301–306; 1969, 8, 343–348

Yamamoto*, H., Nozaki, H.

Selective Reactions with Organoaluminum Compounds

1978, 90, 180–186; 1978, 17, 169–175

Maruoka, K., Yamamoto*, H.

Selective Reactions Using Organoaluminum Reagents

1985, 97, 670–683; 1985, 24, 668–682

Yamamoto*, Y.

Selective Synthesis by Use of Lewis Acids in the Presence of Organocopper and Related Reagents

1986, 98, 945–957; 1986, 25, 947–959

Ueda, M., Yamamura*, S.

Chemistry and Biology of Plant Leaf Movements

2000, 112, 1456–1471; 2000, 39, 1400–1414

Agarwal, K. L., Yamazaki, A., Cashion, P. J., Khorana*, H. G.

Chemical Synthesis of Polynucleotides

1972, 84, 489–498; 1972, 11, 451–459

Yamazaki, T., Benedetti, E., Kent, D., Goodman*, M.

Conformational Requirements for Sweet-Tasting Peptides and Peptidomimetics

1994, 106, 1502–1517; 1994, 33, 1437–1451

Yannas*, I. V.

Biologically Active Analogues of the Extracellular Matrix: Artificial Skin and Nerves

1990, 102, 21–36; 1990, 29, 20–35

Okamoto*, Y., Yashima, E.

Polysaccharide Derivatives for Chromatographic Separation of Enantiomers

1998, 110, 1072–1095; 1998, 37, 1020–1043

Yasuda*, H., Nakamura*, A.

Diene, Alkyne, Alkene, and Alkyl Complexes of Early Transition Metals: Structure and Synthetic Applications in Organic and Polymer Chemistry

1987, 99, 745–764; 1987, 26, 723–742

Reiser*, A., Shih, H.-Y., Yeh, T.-F., Huang, J.-P.

Novolak-Diazoquinone Resists: The Imaging Systems of the Computer Chip

1996, 108, 2610–2622; 1996, 35, 2428–2440

Ying*, J. Y., Mehnert, C. P., Wong, M. S.
Synthesis and Applications of Supramolecular-Templated Mesoporous Materials
1999, *111*, 58–82; **1999**, *38*, 56–77

Olah*, G. A., Parker, D. G., **Yoneda, N.**
Superacid-Catalyzed Oxygenation of Alkanes
1978, *90*, 962–984; **1978**, *17*, 909–931

Shokat, K. M., Ko, M. K., Scanlan, T. S., Kochersperger, L., **Yonkovich, S.**, Thaisrivongs, S., Schultz*, P. G.
Catalytic Antibodies: A New Class of Transition-State Analogues Used to Elicit Hydrolytic Antibodies
1990, *102*, 1339–1346; **1990**, *29*, 1296–1303

Sarel*, S., **Yovell, J.**, Sarel-Imber, M.
Recent Developments in the Stereochemistry of Cyclopropane Ring Opening
1968, *80*, 592–603; **1968**, *7*, 577–588



Zachau*, H. G.
Transfer Ribonucleic Acids
1969, *81*, 645–662; **1969**, *8*, 711–727

Zachmann*, H. G.
The Crystalline State of Macromolecular Substances
1974, *86*, 283–291; **1974**, *13*, 244–252

Zahn*, H., Heidemann, G., Pätzold, W., Gleitsmann, G. B.
Synthetische Fasern (Tendenz in Produktion, Entwicklung und Forschung)
1962, *74*, 599–605; –

Zahn*, H., Gleitsmann, G. B.
Oligomers and Pleionomers of Synthetic Fiber-Forming Polymers
1963, *75*, 772–783; **1963**, *2*, 410–420

Nissen, D., Rossbach, V., **Zahn*, H.**
Chemical Analysis of Synthetic Fibers
1973, *85*, 691–706; **1973**, *12*, 602–617

Zähner*, H.
Some Aspects of Antibiotics Research
1977, *89*, 696–703; **1977**, *16*, 687–694

Zahradník*, R.
Electronic Structure and Properties of Non-Alternant Hydrocarbons
1965, *77*, 1097–1109; **1965**, *4*, 1039–1050

Fabian*, J., **Zahradník*, R.**
The Search for Highly Colored Organic Compounds
1989, *101*, 693–710; **1989**, *28*, 677–694

Zander*, M.
Phosphorescence Spectroscopy as an Analytical Method for Aromatic and Heterocyclic Compounds
Chem.-Ing.-Tech. **1965**, *37*, 1010–1020; **1965**, *4*, 930–938

Zang*, K. D., Singer, H.
The Cytogenetics of Human Tumors
1968, *80*, 726–736; **1968**, *7*, 709–718

Zard*, S. Z.
On the Trail of Xanthates: Some New Chemistry from an Old Functional Group
1997, *109*, 724–737; **1997**, *36*, 672–685

Buchdahl*, R., **Zaukelies, D. A.**
Deformationsprozesse und die Struktur von kristallinen Polymeren
1962, *74*, 569–573; –

Balkenhohl*, F., von dem Bussche-Hünnefeld, C., Lansky, A., **Zechel, C.**
Combinatorial Synthesis of Small Organic Molecules
1996, *108*, 2436–2487; **1996**, *35*, 2288–2337

Kröhnke*, F., **Zecher, W.**, Curtze, J., Drechsler, D., Pflighar, K., Schnalke, K. E., Weis, W.
Syntheses Using the Michael Addition of Pyridinium Salts
1962, *74*, 811–817; **1962**, *1*, 626–632

Holtschmidt*, H., Degener, E., Schmelzer, H.-G., Tarnow, H., **Zecher, W.**
Preparation, Properties, and Reactions of Polychloroamine Derivatives
1968, *80*, 942–953; **1968**, *7*, 856–867

Bröll*, D., Kaul, C., Krämer, A., Krammer, P., Richter, T., Jung, M., Vogel*, H., **Zehner, P.**
Chemistry in Supercritical Water
1999, *111*, 3180–3196; **1999**, *38*, 2998–3014

Zeidler*, M. D.
The Structure of Simple Molecular Liquids
1980, *92*, 700–712; **1980**, *19*, 697–708

Gambaryan, N. P., Rokhlin, E. M., **Zeifman, Yu. V.**, Ching-Yun, C., Knunyants*, I. L.
Reactions of the Carbonyl Group in Fluorinated Ketones
1966, *78*, 1008–1017; **1966**, *5*, 947–956

Zeil*, W.
Mechanical and Dielectric Relaxation Phenomena and their Molecular-Physical Interpretation
1962, *74*, 271–290; **1962**, *1*, 246–264

Zeiss*, H. H., Sneed, R. P. A.
Sigma-Bonded Organochromium Compounds. Hydrogen Transfer Reactions
1967, *79*, 401–408; **1967**, *6*, 435–442

Meier*, Hans, **Zeller, K.-P.**
The Wolff Rearrangement of α -Diazo Carbonyl Compounds
1975, *87*, 52–63; **1975**, *14*, 32–43
Thermal and Photochemical Cycloelimination of Nitrogen
1977, *89*, 876–890; **1977**, *16*, 835–851

Wagner*, H. G., **Zellner, R.**
Rates of Reactive Removal of Anthropogenic Emissions in the Atmosphere
1979, *91*, 707–718; **1979**, *18*, 663–673

Zenneck*, U.
Highly Reactive Intermediates from the Cocondensation Reactions of Iron, Cobalt and Nickel Vapor with Arenes
1990, *102*, 171–182; **1990**, *29*, 126–137

Meerwein*, H., Wunderlich, K., **Zenner, K. F.**
Ionic Hydrogenations and Dehydrogenations
1962, *74*, 807–811; **1962**, *1*, 613–617

Zenobi*, R., Deckert, V.
Scanning Near-Field Optical Microscopy and Spectroscopy as a Tool for Chemical Analysis
2000, *112*, 1814–1825; **2000**, *39*, 1746–1756

Zewail*, A. H.
Femtochemistry: Atomic-Scale Dynamics of the Chemical Bond Using Ultrafast Lasers (Nobel Lecture)
2000, *112*, 2688–2738; **2000**, *39*, 2586–2631

Sprenger*, H.-E., **Ziegenbein, W.**
Cyclobutenediylium Dyes
1968, *80*, 541–546; **1968**, *7*, 530–535

Ziegler*, E., Henneberg, D., Schomburg, G.
Computer Systems for Chemical Research
1972, *84*, 371–380; **1972**, *11*, 348–357

Henneberg*, D., Casper, K., **Ziegler, E.**, Weimann, B.
Computer-Aided Analysis of Organic Mass Spectra
1972, *84*, 381–390; **1972**, *11*, 357–366

Schomburg *, G., Weeke, F., Weimann, B., **Ziegler, E.**

Data Processing in Gas Chromatography

1972, 84, 390–399; **1972**, 11, 366–375

Hoffmann *, E. G., Stempfle, W., Schroth, G., Weimann, B., **Ziegler, E.**, Brandt, J.

Use of a Computer in Nuclear Magnetic Resonance Spectroscopy

1972, 84, 400–411; **1972**, 11, 375–386

Kappe *, T., **Ziegler, E.**

Carbon Suboxide in Preparative Organic Chemistry

1974, 86, 529–542; **1974**, 13, 491–504

Ziegler *, K.

Folgen und Werdegang einer Erfindung (Nobel Lecture)

1964, 76, 545–553; –

Zimen *, K. E.

Nuclear Energy Reserves and Long-Term Energy Requirements

1971, 83, 1–11; **1971**, 10, 1–11

Zimmerman *, H. E.

Mechanistic Organic Photochemistry

1969, 81, 45–55; **1969**, 8, 1–11

Zimmermann *, E.

Structure and Function of Chromosomal Nucleohistones

1972, 84, 451–461; **1972**, 11, 496–505

Zimmermann *, H.

Protonic States in Chemistry

1964, 76, 1–9; **1964**, 3, 157–164

Zimmermann *, H., Rudolph, J.

Protonic States and the Mechanism of Acid-Catalysed Esterification

1965, 77, 65–74; **1965**, 4, 40–49

Wilke *, G., Bogdanović, B., Hardt, P., Heimbach, P., Keim, W., Kröner, M., Oberkirch, W., Tanaka, K., Steinrück, E., Walter, D., **Zimmermann, H.**

Allyl-Transition Metal Systems

1966, 78, 157–172; **1966**, 5, 151–164

Zimmermann *, H. W.

Physicochemical and Cytochemical Investigations of the Binding of Ethidium and Acridine Dyes to DNA and to Organelles in Living Cells

1986, 98, 115–131; **1986**, 25, 115–130

Zimmermann *, K. T.

Schwefelwasserstoff-Entwickler für das Laboratorium

1962, 74, 151; –

Solladié *, G., **Zimmermann, R. G.**

Liquid Crystals: A Tool for Studies on Chirality

1984, 96, 335–349; **1984**, 23, 348–362

Zimmermann *, U., Scheurich, P., Pilwat, G., Benz, R.

Cells with Manipulated Functions: New Perspectives for Cell Biology, Medicine, and Technology

1981, 93, 332–351; **1981**, 20, 325–344

Zinkernagel *, R. M.

Cellular Immune Recognition and the Biological Role of Major Transplantation Antigens (Nobel Lecture)

1997, 109, 2026–2038; **1997**, 36, 1938–1949

Zinsmeister *, H. D., Becker, H., Eicher, T.

Bryophytes, a Source of Biologically Active, Naturally Occurring Material?

1991, 103, 134–151; **1991**, 30, 130–147

Baumann, H., Bühler, M., Fochem, H., Hirsinger, F.,

Zoebelein, H., Falbe *, J.

Natural Fats and Oils—Renewable Raw Materials for the Chemical Industry

1988, 100, 41–62; **1988**, 27, 41–62

Rys *, P., Skrabal, P., **Zollinger, H.**

Structure and Stereochemistry of the Transition States and Intermediates of Heterolytic Aromatic Substitutions

1972, 84, 921–930; **1972**, 11, 874–883

Zollinger *, H.

Nitrogen as Leaving Group: Dediazoniations of Aromatic Diazonium Ions

1978, 90, 151–160; **1978**, 17, 141–150

Zosel *, K.

Separation with Supercritical Gases: Practical Applications

1978, 90, 748–755; **1978**, 17, 702–709

Mason *, R., **Zubieta, J.**

Iron-Sulfur Proteins: Structural Chemistry of Their Chromophores and Related Systems

1973, 85, 390–400; **1973**, 12, 390–399

Hagrman, P. J., Hagrman, D., **Zubieta *, J.**

Organic-Inorganic Hybrid Materials: From “Simple” Coordination Polymers to Organodiamine-Templated Molybdenum Oxides

1999, 111, 2798–2848; **1999**, 38, 2638–2684

Kühle *, E., Anders, B., **Zumach, G.**

Syntheses of Isocyanide Dihalides

1967, 79, 663–680; **1967**, 6, 649–665

Kühle *, E., Anders, B., Klauke, E., Tarnow, H., **Zumach, G.**

Reactions of Isocyanide Dihalides and Their Derivatives

1969, 81, 18–32; **1969**, 8, 20–34

Zumach *, G., Kühle, E.

Chlorosulfonylated Carbonic Acid Derivatives

1970, 82, 63–72; **1970**, 9, 54–63

Zundel *, G.

Hydration Structure and Intermolecular Interaction in Polyelectrolytes

1969, 81, 507–518; **1969**, 8, 499–509

Pasini *, A., **Zunino *, F.**

New Cisplatin Analogues—On the Way to Better Antitumor Agents

1987, 99, 632–641; **1987**, 26, 615–624

Gasteiger *, J., **Zupan *, J.**

Neural Networks in Chemistry

1993, 105, 510–536; **1993**, 32, 503–527