

Recent Reviews. 27

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Reviews are listed in order of appearance in the sources indicated. In multidisciplinary review journals, only those reviews which fall within the scope of this Journal are included. Sources are listed alphabetically in three categories: regularly issued review journals and series volumes, contributed volumes, and other monographs. Titles are numbered serially, and these numbers are used for reference in the index.

Major English-language sources of critical reviews are covered. Encyclopedic treatises, annual surveys such as *Specialist Periodical Reports*, and compilations of symposia proceedings are omitted.

This installment of Recent Reviews covers principally the early part of the 1992 literature. Previous installment: *J. Org. Chem.* 1992, 57(14), 4055-4060. For regularly issued journals and series volumes, the coverage in this installment continues from the last item included in Recent Reviews 26.

Regularly Issued Journals and Series Volumes

Accounts of Chemical Research

1. Djerassi, Carl; Silva, Christopher, J. Sponge sterols: Origins and biosynthesis. 1991, 24(12), 371-78.
2. Smalley, R. E. Self-Assembly of the fullerenes. 1992, 25(3), 98-105.
3. Diederich, Francois; Whetten, Robert L. Beyond C_{60} : The higher fullerenes. 1992, 25(3), 119-26.
4. Hawkins, Joel M. Osmylation of C_{60} : Proof and characterization of the soccer-ball framework. 1992, 25(3), 150-6.
5. McElvany, Stephen W.; Ross, Mark M.; Callahan, John H. Characterization of fullerenes by mass spectrometry. 1992, 25(3), 162-8.
6. Johnson, Robert D.; Bethune, Donald S.; Yannoni, Costantino, S. Fullerene structure and dynamics: A magnetic resonance potpourri. 1992, 25(3), 169-75.
7. Beak, Peter. Determinations of transition-state geometries by the endocyclic restriction test: mechanisms of substitution at nonstereogenic atoms. 1992, 25(5), 215-22.
8. Espenson, James H. Chemistry of organochromium(III) complexes. 1992, 25(5), 222-7.
9. Yoon, Ung Chan; Mariano, Patrick S. Mechanistic and synthetic aspects of amine-enone single electron transfer. 1992, 25(5), 233-40.
10. Lee, T. Randall; Whitesides, George M. Heterogeneous, platinum-catalyzed hydrogenations of (diolefin)dialkylplatinum(II) complexes. 1992, 25(6), 266-72.

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11. Kroto, Harold W. C_{60} : Buckminsterfullerene, the celestial sphere that fell to earth. 1992, 31(2), 111-29.
12. Wade, Hubert. Benzene and its derivatives as bridging ligands in transition metal complexes. 1992, 31(3), 247-62.
13. Stang, Peter J. Alkynyl- and alkenyl(phenyl)iodonium compounds. 1992, 31(3), 274-85.
14. Mayer, James M. Bond-stretch isomers. Fact or artifact? 1992, 31(3), 286-7.
15. Reissig, Hans-Ulrich. Sugars as chiral auxiliaries for the synthesis of enantiomerically pure compounds. 1992, 31(3), 288-90.
16. Janoschek, Rudolf. Structures, structures, and structures. 1992, 31(3), 290-2.
17. Jung, Guenther; Beck-Sickinger, Annette G. Multiple peptide synthesis methods and their applications. 1992, 31(4), 367-83.
18. Steinborn, Dirk. On the influence of heteroatoms in α - and β -functionalized alkyl transition metal compounds. 1992, 31(4), 401-21.

19. Kaupp, Gerd. [4 + 4]-Cycloaddition reaction in the total synthesis of eight membered ring containing natural products. 1992, 31(4), 422-4.
20. Bohlmann, Rolf. The folding of squalene: an old problem has new results. 1992, 31(5), 582-4.

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21. An, Haoyun; Bradshaw, Jerald S.; Izatt, Reed M. Macropolycyclic polyethers (cages) and related compounds. 1992, 92(4), 543-72.
22. Braga, Dario. Dynamical processes in crystalline organometallic complexes. 1992, 92(4), 633-65.
23. Jordan, Kenneth D.; Paddon-Row, Michael N. Analysis of the interactions responsible for long-range through-bond-mediated electronic coupling between remote chromophores attached to rigid polynorbornyl bridges. 1992, 92(3), 395-410.
24. Mander, Lewis N. The chemistry of gibberellins: an overview. 1992, 92(4), 573-612.
25. Wiegand, Benjamin C.; Friend, Cynthia M. Model studies of the desulfurization reactions on metal surfaces and in organometallic complexes. 1992, 92(4), 491-504.
26. Wilkinson, John A. Recent advances in the selective formation of the carbon-fluorine bond. 1992, 92(4), 505-19.

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27. Eschenmoser, Albert; Leowenthal, E. I. Chemistry of potentially prebiological natural products. 1992, 21(1), 1-16.
28. Butler, Anthony R.; Wu, Yu-Lin. Artemisinin (Qinghaosu). A new type of antimalarial drug. 1992, 21(2), 85-90.
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30. Potier, Pierre. Search and discovery of new antitumor compounds. 1992, 21(2), 113-19.

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34. McLafferty, Fred W.; Michnowicz, John A. State-of-the-art GC/MS. 1992, 22(3), 182-9.

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36. Paquette, L. A. Investigations into furanocembranolide diterpene construction. Total synthesis of dihydropseudopterolide, gorgiacerone, and acerosolide. Reversible interconversion of pseudopterolide and tobagolide. 1992, 5(3), 141.

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44. Takayama, Mitsuo; Fukai, Toshio; Hano, Yoshio; Nomura, Taro. Mass spectrometry of prenylated flavonoids. 1992, 33(1), 405-34.
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49. Katritzky, Alan R.; Lam, Jamshed N. Heterocyclic *N*-oxides and *N*-imides. 1992, 33(2), 1011-49.
50. Yokomatsu, Tsutomu; Yuasa, Yoko; Shibuya, Shiroshi. Synthesis of β -oxygenated γ -amino acids and γ -oxygenated δ -amino acids from α -amino acids. 1992, 33(2), 1051-78.
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54. Afarinkia, Kamyar. Four-membered heterocycles containing one phosphorus and one other heteroatom. 1992, 34(2), 369-85.
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58. Lewis, J. R. Amaryllidaceae and Sceletium alkaloids. 1992, 9(2), 183-91.

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60. Djerassi, C.; Doss, G. A. Structure and biosynthesis of cyclopropane-containing sterols of marine origin. 1990, 14(10), 713-19.
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