

Contents of Volume 689

Issue 1

Publisher's note	1
Short communication	
Diastereoselective intramolecular C–H bond activation on a prochiral sp^3 carbon by a cationic Ir(I) complex having an optically active P–N hybrid ligand Y. Kataoka, K. Shizuma, M. Imanishi, T. Yamagata, K. Tani	3
Regular papers	
The alkyne-anion promoted ring-contraction of hexachlorotropone: synthesis and structure of [trimethylsilyl(pentachlorobenzoyl)ethyne]-hexacarbonyldicobalt J.A. Dunn, L.E. Harrington, M.J. McGlinchey	8
Regioselective cyclotrimerization of phenylacetylenes to 1,2,4-triarylbenzenes catalyzed by iridium–diphosphine complexes E. Farnetti, N. Marsich	14
Suzuki cross-coupling in aqueous media catalyzed by a 1,1'-N-substituted ferrocenediyl Pd(II) complex Z. Weng, L.L. Koh, T.S.A. Hor	18
The photochemical and thermal reactions of a triosmium cluster carrying a γ -pyrone ligand with alkynes Q. Lin, W.K. Leong, L. Gao	25
Reaction of $Ru_3(CO)_{12}$ with but-2-yn-1,4-diol in CH_3OH/KOH solution. Crystal structure of $(\mu-Cl)Ru_3(CO)_9[\mu_3-\eta^4-H_2CCC(H)CH_2]$ G. Gervasio, D. Marabello, E. Sappa, A. Secco	35
Supramolecular helical architecture assembled by double-helical $[Ag_2L_2]$ units W.-H. Sun, T. Zhang, L. Wang, Y. Chen, R. Froehlich	43
Mixed-metal cluster chemistry. 26 [1]. Proclivity for “all-terminal” or “plane-of-bridging-carbonyls” ligand disposition in tungsten–triiridium clusters A.J. Usher, G.T. Dalton, N.T. Lucas, S.M. Waterman, S. Petrie, R. Stranger, M.G. Humphrey, A.C. Willis	50
Doubly hydrogen-bridged 1,2-diphenylenediboranes derived from 9-chloro-9-borafluorene and ligand exchange reactions H. Hong, T.C. Chung	58
Diacenaphtho[1,2-c:1',2'-e]-1,2-dithiin: synthesis, structure and reactivity R.D. Adams, B. Captain, J.L. Smith Jr.	65
Investigations into the preparation of sila- β -diketones via 2-trimethylsilyl-1,3-dithianes: structural characterization of a second polymorph of bis(2,2,6,6-tetramethyl-2-sila-3,5-heptanedionato)copper(II) R.U. Claessen, A.M. Kornilov, K.K. Banger, S.C. Ngo, S. Higashiya, C.C. Wells, E.V. Dikarev, P.J. Toscano, J.T. Welch	71
Crown compounds for anions. Sandwich complexes of cyclic trimeric perfluoro- <i>o</i> -phenylenemercury with hexacyanoferrate(III) and nitroprusside anions I.A. Tikhonova, F.M. Dolgushin, K.I. Tugashov, O.G. Ellert, V.M. Novotortsev, G.G. Furin, M.Yu. Antipin, V.B. Shur	82
Simplified synthesis, 1H , ^{13}C , ^{15}N , ^{119}Sn NMR spectra and X-ray structures of diorganotin(IV) complexes containing the 4-phenyl-2,4-butanedionebenzoylhydrazone(2-) ligand D. Kumar Dey, A. Lycka, S. Mitra, G.M. Rosair	88

Syntheses and crystal structures of di- and triorganotin derivatives with 2,5-dimercapto-1,3,4-thiodiazole C. Ma, F. Li, Q. Jiang, R. Zhang	96
$W(\eta^2\text{-PhC}\equiv\text{CPh})_3(\eta^1\text{-Ph}_2\text{PC}\equiv\text{CPh})_2$ as a ligand to prepare homo- and hetero-nuclear cluster complexes W.-Y. Yeh, C.-I. Li, S.-M. Peng, G.-H. Lee	105
Synthesis and characterisation of saturated and unsaturated triruthenium clusters containing electronically symmetrical and asymmetrical alkynes R. Rosseto, M.D. Vargas	111
Synthesis, characterisation and redox behaviour of isocyanide incorporated, chalcogen stabilised mixed-metal clusters P. Mathur, S. Chatterjee, G.K. Lahiri, S. Chakraborty, J.H. Kaldis, M.J. McGlinchey	122
Reduction of 1-chloro-1,2,3,4,5-pentaphenylsilole: formation of silole monoanion and dianion H. Sohn	134
Synthesis and characterization of the cluster complexes containing tetrahedral $\text{FeCrCo}(\mu_3\text{-S})$ cluster cores generated by isolobal displacement reactions. Crystal structures of $(\eta^5\text{-RC}_5\text{H}_4)\text{FeCrCo}(\mu_3\text{-S})(\text{CO})_8$ ($\text{R} = \text{H}, \text{CO}_2\text{Et}$) and $\text{FeCo}_2(\mu_3\text{-S})_2(\text{CO})_9$ L.-C. Song, H.-W. Cheng, Q.-M. Hu, Z. Wang	139
Addition and/or oxidation in the reaction of a tricobalt cluster with silver(I) salts: synthesis, structure and solution properties of $[\text{Co}_3\text{Cp}_3(\mu_3\text{-CPh})_2\{\mu\text{-Ag}(\text{X})\}]$ ($\text{X} = \text{CF}_3\text{CO}_2, \text{NO}_3$) and $[\text{Co}_3\text{Cp}_3(\mu_3\text{-CPh})_2\{\mu\text{-Ag}(\text{NCMe})\}]\text{PF}_6$ M. Ebihara, M. Iiba, H. Matsuoka, C. Okuda, T. Kawamura	146
The metal–halogen exchange reaction between <i>ortho</i> -substituted aryl halides and $\text{Ph}_2\text{CuLi} \cdot \text{LiCN}$: scope and applicability for coupling reactions F. Çetin, H. Barış Şenoğlu, S. Gezer, D. Astley, S. T. Astley	154
Synthesis and reactions of silicon containing cyclic α -amino acid derivatives S. Kotha, E. Brahmachary	158
Bonding isomerism in the $\eta^1\text{-P}$ coordination of the P_4X_3 ($\text{X} = \text{S}, \text{Se}$) molecules toward 16e rhodium fragments stabilized by tripodal tetradentate ligands I. de los Rios, F. Mani, M. Peruzzini, P. Stoppioni	164
Facile generation and morphology of Pd nanoparticles from palladacycles and carbon monoxide R. Grigg, L. Zhang, S. Collard, P. Ellis, A. Keep	170
Tandem transmetallation and oxidative addition reactions of $[\text{Sn}(\text{R})_2(\text{Ph}_2\text{PC}_6\text{H}_4\text{-2-S})_2]$ with transition metal complexes of the Group 9 D. Canseco-González, V. Gómez-Benítez, O. Baldovino-Pantaleón, S. Hernández-Ortega, D. Morales-Morales	174
Transition metal-substituted paraffins: synthesis and properties of some μ -saturated heterobimetallic complexes containing Mo and W or Fe and the crystal structures of $[(\eta^5\text{-C}_5\text{H}_5)(\text{CO})_3\text{W}(\text{CH}_2)_3\text{Mo}(\text{CO})_2(\text{PPh}_3)(\eta^5\text{-C}_5\text{H}_5)]$ and $[(\eta^5\text{-C}_5\text{H}_5)(\text{CO})_2(\text{PPh}_3)\text{Mo}(\text{CH}_2)_3\text{Fe}(\text{CO})_2(\eta^5\text{-C}_5\text{H}_5)]$ H.B. Friedrich, R.A. Howie, M. Laing, M.O. Onani	181
Telluranes: potential synthons for charge-transfer complexes (involving hypervalent Te–I bonds) and serendipitous synthesis of the first triphenyl methyl phosphonium salts containing $[\text{C}_4\text{H}_8\text{TeI}_4]^{2-}$ and $[\text{TeI}_6]^{2-}$ anions P.C. Srivastava, S. Bajpai, S. Bajpai, C. Ram, R. Kumar, J.P. Jasinski, R.J. Butcher	194
Titanium ketimide complexes as α -olefin homo- and copolymerisation catalysts. X-ray diffraction structures of $[\text{TiCp}'(\text{NC}'\text{Bu}_2)\text{Cl}_2]$ ($\text{Cp}' = \text{Ind}, \text{Cp}^*$) A.R. Dias, M. Teresa Duarte, A.C. Fernandes, S. Fernandes, M.M. Marques, A.M. Martins, J.F. da Silva, S.S. Rodrigues	203
The effect that 6- <i>tert</i> -butoxyhexyl functionalization has on ethylene polymerization in <i>ansa</i> -zirconocene dichlorides H. Lee, C.H. Lee	214
A study on the development of CVD precursors V – syntheses and characterization of new <i>N</i> -alkoxy- β -ketoiminate complexes of titanium S. Lim, B. Choi, Y.-s. Min, D. Kim, I. Yoon, S.S. Lee, I.-M. Lee	224
Biologically potent organotin(IV) complexes of 2-maleimidoacetic acid M. Ashfaq, M.I. Khan, M. Kaleem Baloch, A. Malik	238
Synthesis and characterization of tri(<i>o</i> -fluorobenzyl)tin esters of heteroaromatic carboxylic acid and crystal structures of tri(<i>o</i> -fluorobenzyl)tin esters of 4-pyridinecarboxylic acid and 3-pyridinecarboxylic acid H.D. Yin, C. Wang, C. Ma, D. Wang	246

Synthesis, structures and reactions of some metallocene alcohols

- T.J. Brunker, C. Arisandy, A.R. Cowley, L.H. Rees, S. Barlow, D. O'Hare 252

New divalent samarocenes for butadiene polymerisation: influence of the steric effect and the electron density on the catalytic activity

- F. Bonnet, M. Visseaux, D. Barbier-Baudry 264

Corrigendum

Corrigendum to “Linear ditopic acetylide gold or mercury complexes: synthesis and photophysical studies. X-ray crystal structure of $\text{PPh}_4[\text{Au}(\text{C}\equiv\text{CC}_5\text{H}_4\text{N})_2]$ ” [J. Organomet. Chem. 678 (2003) 82–89]

- M. Ferrer, L. Rodriguez, O. Rossell, F. Pina, J.C. Lima, M.F. Bardia, X. Solans 270

Erratum

Erratum to “Isolation and single-crystal X-ray structure analysis of the catalyst-substrate host–guest complexes $[\text{C}_6\text{H}_6\text{C}(\text{H}_3\text{Ru}_3\{\text{C}_6\text{H}_5(\text{CH}_2)_n\text{OH}\}(\text{C}_6\text{Me}_6)_2(\text{O}))]^+ (n = 2,3)$ ” [J. Organomet. Chem. 684 (2003) 117–123]

- L. Vieille-Petit, B. Therrien, G. Süss-Fink, T.R. Ward 271

Issue 2

Communication

Isolation of *fac*- $[\text{Re}(\text{CO})_3(\text{HMPA})_3][\text{BF}_4]$. Structural characterization of a key cationic intermediate in the exchange reaction between $[\text{Re}(\text{CO})_6][\text{BF}_4]$ and acetylferrocene. Implications in radiopharmaceutical chemistry

- S. Masi, S. Top, S. Dagorne, R. Welter, G. Jaouen 273

Regular papers

Novel iron carbonyl complexes from thiophene-2-carboxaldehyde thiosemicarbazone

- W.-S. Hong, C.-Y. Wu, C.-S. Lee, W.-S. Hwang, M.Y. Chiang 277

Titanium and zirconium complexes containing sterically hindered hydrotris(pyrazolyl)borate ligands: synthesis, structural characterization, and ethylene polymerization studies

- M.P. Gil, O.L. Casagrande Jr. 286

Substituted cyclopentadienylchromium(III) complexes containing neutral donor ligands. Synthesis, crystal structures and reactivity in ethylene polymerization

- R. Rojas, M. Valderrama, M. Teresa Garland 293

Palladium catalyzed transformations of monoterpenes: stereoselective deuteration and oxidative dimerization of camphene

- M. José da Silva, J. Ailton Gonalves, R. Brondi Alves, O.W. Howarth, E.V. Gusevskaya 302

Platinum carbonyl derived catalysts on inorganic and organic supports: a comparative study

- H. Paul, S. Basu, S. Bhaduri, G.K. Lahiri 309

Synthesis and spectroscopic studies of diorganotin derivatives with 2-[(2,6-dimethylphenyl)amino]benzoic acid. Crystal and molecular structure of the first complexes of 2-[(2,6-dimethylphenyl)amino]benzoic acid. Crystal and molecular structures of 1,2,3,4-di- μ_2 -2-[(2,6-dimethylphenyl)amino]-benzoato-*O*, *O*-1,3-bis-2-[(2,6-dimethylphenyl)amino]benzoato-*O*-1,2,4:2,3,4-di- μ_3 -oxo-tetrakis[di-*n*-butyltin(IV)] and bis-2-[(2,6-dimethylphenyl)amino]benzoato-di-*n*-butyltin(IV)

- V. Dokorou, M.A. Demertzis, J.P. Jasinski, D. Kovala-Demertzi 317

Synthesis of C_2 -symmetric 1,4-diketones from tartaric acid dichloride

- F. Babudri, V. Fiandanese, G. Marchese, A. Punzi 326

Synthesis, characterization and reactivity of the molybdenum(VI) complex $[\text{MoCl}(\text{NAr})_2(\text{CH}_2\text{CMe}_2\text{Ph})]$ ($\text{Ar} = 2,6\text{-Pr}'_2\text{C}_6\text{H}_3$)

- V.C. Gibson, C. Redshaw, G.L.P. Walker, W. Clegg, M.R.J. Elsegood 332

Synthesis and reactivity of *para*-substituted benzoylmethyltellurium(II and IV) compounds: observation of intermolecular C–H–O hydrogen bonding in the crystal structure of $(p\text{-MeOC}_6\text{H}_4\text{COCH}_2)_2\text{TeBr}_2$

- A.K.S. Chauhan, A. Kumar, R.C. Srivastava, J. Beckmann, A. Duthie, R.J. Butcher 345

Cyclopalladated complexes with *N*-(benzoyl)-*N'*-(2,4-dimethoxybenzylidene)hydrazine: syntheses, characterization and structural studies

- S. Das, S. Pal 352

Synthesis and structural studies of polynuclear ruthenium clusters derived from reactions of 1,2,3,4-tetraphenyl-1,2,3,4-tetraphospholane with $[\text{Ru}_3(\text{CO})_{12}]$

- X. Zhong, S.-G. Ang, H.-G. Ang 361

Assembly of an interpenetrating three-dimensional mixed-valence Cu ^{II} /Cu ^I coordination polymer H.-Z. Kou, B. Chuan Zhou, R.-J. Wang	369
Golden crowns: cation binding by macrocyclic gold(I) crown ether derivatives F. Mohr, R.J. Puddephatt	374
Palladium complexes of a chiral P,C-chelating phosphino-(sulfinylmethyl)phosphonium ylide ligand R. Zurawinski, B. Donnadieu, M. Mikolajczyk, R. Chauvin	380
Cyclopentadienylnickel thiolate complexes: synthesis, molecular structures and electrochemical detection of sulfur dioxide adducts M.J. Moloto, S.M. Nelana, R.M. Moutloali, I.A. Guzei, J. Darkwa	387
Synthesis and reactivity of new methylallylpalladium(II) complexes with bidentate 2-(methylthio- <i>N</i> -benzylidene)anilines R. Contreras, B. Loeb, M. Valderrama, M. Lagos, F. Burgos, P. Ramírez, J. Concepción	395
Crystal structures of [Rh(η^5 -C ₅ H ₅)(C ₃ S ₅)] and [Rh(η^5 -C ₅ Me ₅)(C ₃ S ₅) ₂] and properties of their oxidized species K. Kawabata, M. Nakano, H. Tamura, G.-e. Matsubayashi	405
Aminorhenium carbon dioxide complexes: formal oxidation of a carbon monoxide ligand with peroxy-acids or bromine/hydroxide T.-F. Wang, C.-C. Hwu, Y.-S. Wen	411
Chloro(η^5 -dihydropentalenyl)bis(triphenylphosphine)ruthenium(II): synthesis, structural characterization and catalytic activity in the dimerization of phenylacetylene R.U. Kirss, R.D. Ernst, A.M. Arif	419
Reactivity of electron-poor decamethyl-1,3-diboraruthenocene with sulfur and phosphorus compounds B. Bach, Y. Nie, H. Pritzkow, W. Siebert	429
Regioselectivity in the rhodium catalysed 1,4-hydrosilylation of isoprene. Aspects on reaction conditions and ligands M. Gustafsson, T. Frejd	438
An effect of application of chiral aluminium alkoxides and amides as adducts to zirconium catalyzed carbo- and cycloaluminum of olefins L.M. Khalilov, L.V. Parfenova, S.V. Pechatkina, A.G. Ibragimov, J.P. Genet, U.M. Dzhemilev, I.P. Beletskaya	444
The Staudinger reaction of platinum(II)- and palladium(II)-coordinated 2-(azidomethyl)phenyl isocyanide. X-ray structure of <i>trans</i> -[PtCl ₂ ($\overline{\text{CN}}(\text{H})\text{C}_6\text{H}_4$ -2-CH ₂ N(H)) ₂](PPh ₃) ₂][BF ₄] · CDCl ₃ · H ₂ O M. Basato, F. Benetollo, G. Facchin, R.A. Michelin, M. Mozzon, S. Pugliese, P. Sgarbossa, S.M. Sbovata, A. Tassan	454
A multinuclear NMR study in the solid state and in solution of thallium(I) tris-(pyrazol-1-yl)borates (thallium scorpionates) R.M. Claramunt, D. Sanz, M.D. Santa María, J. Elguero, S. Trofimenko	463
Facile syntheses, structural characterizations, and isomerization of disiloxane-1,3-diols H.M. Cho, S.H. Jeon, H.K. Lee, J.H. Kim, S. Park, M.-G. Choi, M.E. Lee	471
Ate complexes of Ge(II) and Sn(II) with bidentate ligands [LiE ¹⁴ (OCH ₂ CH ₂ NMe ₂) ₃] ₂ (E ¹⁴ = Ge, Sn): synthesis and structure V.N. Khrustalev, M.Y. Antipin, N.N. Zemlyansky, I.V. Borisova, Y.A. Ustynyuk, V.V. Lunin, J. Barrau, G. Rima	478
Selective formation of <i>trans</i> and <i>cis</i> (CH ₃ CN) isomers of [Ru(bpy)(CO) ₂ (CH ₃ CN) ₂] ²⁺ (bpy = 2,2'-bipyridine) from [Ru(CO) ₂ (CH ₃ CN) ₃] ₂ (PF ₆) ₂ using an electrochemical oxidation step G. Cripps, A. Pellissier, S. Chardon-Noblat, A. Deronzier, R.J. Haines	484
Reaction between palladium(II) and gallium(III) halogenides in arenes: influence of halogen nature on the formation of binuclear palladium(I) clusters M. Gorlov, A. Fischer, L. Kloo	489

Issue 3

Regular papers

The hydrogenphosphate complex of (1,5-cyclooctadiene)iridium(I), {[Bu ₄ N]([1,5-COD]Ir · HPO ₄) _n }: synthesis, spectroscopic characterization, and ES-MS of a new, preferred precursor to HPO ₄ ²⁻ and Bu ₄ N ⁺ stabilized Ir(0) _n nanoclusters S. Özkar, R.G. Finke	493
Synthesis, characterization, and alkyne cyclotrimerization chemistry of titanium complexes supported by calixarene-derived bis(aryloxy) ligation F.T. Ladipo, V. Sarveswaran, J.V. Kingston, R.A. Huyck, S.Y. Bylikin, S.D. Carr, R. Watts, S. Parkin	502

Characterisation of the first authenticated organomercury hydroxide, 4-Me ₂ NC ₆ H ₄ HgOH B.K. Nicholson, S.K. Whitley	515
Dithiolene transfer from nickel to a dimolybdenum centre: the first dithiolene alkyne complex H. Adams, M.J. Morris, S.A. Morris, J.C. Motley	522
Stereochemistry of the insertion of disubstituted alkynes into the metal aminocarbonyl bond in diiron complexes V.G. Albano, L. Busetto, F. Marchetti, M. Monari, S. Zacchini, V. Zanotti	528
Synthesis, characterization and molecular structures of allenylidene, vinylidene–alkylidene complexes containing [CpOs(PPh ₃) ₂] ⁺ fragment R. Lalrempuia, H. Yennawar, Y.A. Mozharivskiy, M.R. Kollipara	539
Syntheses and characterizations of group 6 metal cyanotrihydroborate complexes F.-C. Liu, Y.-C. Sheu, J.-J. She, Y.-C. Chang, F.-E. Hong, G.-H. Lee, S.-M. Peng	544
Asymmetric acetylenic thioethers in ruthenium cluster chemistry M. Isabel Alcalde, E. Delgado, B. Donnadieu, E. Hernández, M. Paz Martín, F. Zamora	552
On the influence of the heterocyclic ring substituents on the structure of dimethylthallium pyrimidine-2-thionato complexes. Crystal structure of dimethyl-(4-trifluoromethylpyrimidine-2-thionato)thallium(III): a compound with intermolecular C–H···π interactions A. Rodríguez, J. Arturo García-Vázquez, A. Sousa-Pedrares, J. Romero, A. Sousa	557
Organosilicon chalcogenides with trisilane units – bicyclo[3.3.1]nonanes, bicyclo[3.2.2]nonanes and spiro[4.4]nonanes U. Herzog, H. Borrmann	564
Reactions of chelated η ³ -pentadienyl iron complexes with nucleophiles R. Schobert, A. Mangold, T. Baumann, W. Milius, F. Hampel	575
Ligand properties of aromatic azines: C–H activation, metal induced disproportionation and catalytic C–C coupling reactions D. Dönnecke, J. Wunderle, W. Imhof	585
Mono- and bis-(2-dimethylaminoethyl)tetramethylcyclopentadienyl zirconium(IV) complexes: synthesis and structural studies in crystal-line state and in solutions D.P. Krut'ko, M.V. Borzov, R.S. Kirsanov, M.Y. Antipin, A.V. Churakov	595
Four isomers from the oxidative addition of Me ₃ SnH to Os(CO) ₂ (PPh ₃) ₃ and the crystal structure of Os(SnMeI ₂)(CO) ₂ (PPh ₃) ₂ , in which the pairs of CO and PPh ₃ ligands are mutually <i>trans</i> C.E.F. Rickard, W.R. Roper, G.R. Whittell, L. James Wright	605
Bis(amido)titanium complexes having chelating diaryloxo ligands bridged by sulfur or methylene and their catalytic behaviors for ring-opening polymerization of cyclic esters Y. Takashima, Y. Nakayama, T. Hirao, H. Yasuda, A. Harada	612
Diorganotin(IV) complexes of dideprotonated pyridoxine (PN, vitamin B ₆). The crystal structures of [SnEt ₂ (PN–2H)]·CH ₃ OH, [SnEt ₂ (PN–2H)(DMSO)] and [SnBu ₂ (PN–2H)] J.S. Casas, A. Castiñeiras, F. Condori, M.D. Couce, U. Russo, A. Sánchez, J. Sordo, J.M. Varela, E.M. Vázquez-López	620
An alkynyltelluronium iodide and its solid state structure: evidence for p → σ* interactions D.B. Werz, R. Gleiter, F. Rominger	627
Acid–base and counter ion dependent solid-state assembly of a ferrocene β-aminoalcohol and the corresponding ammonium salt P. Štěpnička, I. Cisařvá, J. Ludvík	631
Nanostructured ruthenium on γ-Al ₂ O ₃ catalysts for the efficient hydrogenation of aromatic compounds G. Marconi, P. Pertici, C. Evangelisti, A. Maria Caporusso, G. Vitulli, G. Capannelli, M. Hoang, T. W. Turney	639
Cationic olefin Pd(II) complexes bearing α-iminoketone N,O-ligands: synthesis, intramolecular and interionic characterization and reactivity with olefins and alkynes B. Binotti, C. Carfagna, E. Foresti, A. Macchioni, P. Sabatino, C. Zuccaccia, D. Zuccaccia	647
Convenient synthesis of Pt(0) olefin complexes by colorimetric reduction of Pt(II) complexes with SmI ₂ S. Ogoshi, M. Morita, K. Inoue, H. Kurosawa	662
Synthesis and X-ray crystallographic structures of [HGa(NMe ₂) ₂] ₂ and [PhGa(NHNMe ₂) ₂] ₂ , and room-temperature conversions of [HGa(NMe ₂) ₂] ₂ to (HGaNH) _n and (HGaNMe) _n B. Luo, W.L. Gladfelter	666

Reversible oxidative addition of a diaryl diselenide to a diorganopalladium(II) complex, carbon–selenium bond formation at palladium(IV), and structural studies of palladium(II) and platinum(IV) selenolates A.J. Canty, M.C. Denney, J. Patel, H. Sun, B.W. Skelton, A.H. White	672
Self-immobilized metallocene catalysts bearing an allyl group for ethylene polymerization, X-ray crystal structure of $[(CH_2=CHCH_2)CH_3Si(C_{13}H_8)_2]ZrCl_2$ G. Tang, G.-X. Jin, L. Weng	678
Notes	
Formation and structural study of a mixed ene/enyl ligand on reaction of $[Ru(C_5Me_5)Cl_2]_2$ with 1,3-cyclononadiene R. Basta, A.M. Arif, R.D. Ernst	685
Preparation and reactivity of polyfunctional six- and eight-membered cyclic silicates G. Cai, J.R. Sargent, W.P. Weber	689
Carbonylative dimerisation of norbornene by cobalt carbonyl: an overlooked by-product of the Pauson–Khand reaction M.P. Coogan, R.L. Jenkins, E. Nutz	694
Preparation and molecular structure of a pyrazolyl–ruthenium complex, $Ru\{C_3H_2NN(SO_2tol)\}(dppe)Cp^*$ M.I. Bruce, B.G. Ellis, B.W. Skelton, A.H. White	698
Erratum	
Erratum to: “Synthesis and enantiomeric resolution of ferrocenyl(alkyl)azoles” [J. Organomet. Chem. 688 (2003) 138–143] A.A. Simenel	702
Book Review	
Fundamentals of molecular catalysis M.S. Hill	703
Issue 4	
Regular papers	
Polysiloxanol condensation and disproportionation in the presence of a superacid A. Grzelka, J. Chojnowski, M. Cypryk, W. Fortuniak, P.C. Hupfield, R.G. Taylor	705
Studies of metal exchange reactions: the synthesis and structures of heteronuclear metal clusters containing the indenyl ligand $(\mu_3-CR)Co_2M(CO)_8(\eta^5-Ind)(R = H, CH_3, C_6H_5, COOC_2H_5; M = Mo, W)$ W.-Q. Zhang, B.-H. Zhu, B. Hu, Y.-H. Zhang, Q.-Y. Zhao, Y.-Q. Yin, J. Sun	714
Group 1 and 13 complexes of aryl-substituted bis(phosphinimino)methyls M.S. Hill, P.B. Hitchcock, S.M.A. Karagouni	722
Tetraphenylantimony carboxylates in the cascade Pd-catalyzed C-phenylation reaction of methyl acrylate in the presence of peroxide D.V. Moiseev, V.A. Morugova, A.V. Gushchin, A.S. Shavirin, Y.A. Kursky, V.A. Dodonov	731
One- or two-dimensional organometallic arrays containing $PdIr_2(\mu_3-S)_2$ mixed-metal sulfido cluster units connected via the nicotinamide or isonicotinamide ligands on their Pd sites through hydrogen-bonding interactions T. Fujimura, H. Seino, M. Hidai, Y. Mizobe	738
Controlled vinyl-addition-type polymerization of norbornene initiated by several cobalt complexes having substituted terpyridine ligands Y. Sato, Y. Nakayama, H. Yasuda	744
Rhodium complexes with chiral counterions: achiral catalysts in chiral matrices R. Dorta, L. Shimon, D. Milstein	751
Five-coordinate organoaluminum acetylides and crystal structure of the hydrosylate, $[Salophen(^iBu)Al]_2O$ Y. Wang, S. Bhandari, S. Parkin, D.A. Atwood	759
Synthesis and characterisation of a new class of phosphine-phosphonite ferrocenediyl dinuclear rhodium complexes J.-C. Hierso, F. Lacassin, R. Broussier, R. Amardeil, P. Meunier	766

Silicon containing ferrocenyl phosphane ligands K.S. Coleman, S. Turberville, S.I. Pascu, M.L.H. Green	770
1,1'-(1-Propene-1,3-diyl)-ferrocene: modified synthesis, crystal structure, and polymerisation behaviour C. Arisandy, A.R. Cowley, S. Barlow	775
9-Triptyceny complexes of group 13 and 15 halides and hydrides R.J. Baker, M. Brym, C. Jones, M. Waugh	781
Unusual chemical reactivity in the reactions of $\text{Re}_2(\text{CO})_8(\mu\text{-H})(\mu\text{-}\eta^1, \eta^2\text{-CH=CHBu})$ with 2,3-bis(diphenylphosphino)maleic anhydride (bma) and $\text{Re}_2(\text{CO})_8(\text{bma})$ with $\text{Ni}(\text{cod})_2$: X-ray diffraction structures of $\text{Re}_2(\text{CO})_8(\text{bma})$, zwitterionic $\text{Re}(\text{CO})_4[\text{Re}(\text{CO})_4(\text{bma})]$, and the phosphido-bridged complex $\text{Re}_2(\text{CO})_8 [\mu\text{-}\eta^1, \eta^1\text{-}\overline{\text{C}}=\text{C}(\text{PPh}_2)\text{C}(\text{O})\text{OC}(\text{O})](\mu\text{-PPh}_2)$ S.G. Bott, K. Yang, M.G. Richmond	791
Oxidative addition capability of triphosphine iron and ruthenium complexes with methyl iodide P. Jaunky, H.W. Schmalle, M. Alfonso, T. Fox, H. Berke	801
New boronates prepared from 2,4-pentanedione derived ligands of the NO_2 and N_2O_2 type – comparison to the complexes obtained from the corresponding salicylaldehyde derivatives M. Sánchez, O. Sánchez, H. Höpfl, M.-E. Ochoa, D. Castillo, N. Farfán, S. Rojas-Lima	811
Synthesis and reactivity of substituted cyclopentadienyl rhodium(I) and (III) complexes X. You-Feng, S. Yan, P. Zhen	823
Cationic η^3 -benzyl nickel compounds with diphosphine ligands as catalyst precursors for ethylene oligomerization/polymerization: influence of the diphosphine bite angle I. Albers, E. Álvarez, J. Cámpora, C.M. Maya, P. Palma, L.J. Sánchez, E. Passaglia	833
Synthesis and characterisation of aromatic ethynyl-bridged ferrocenes N. Chawdhury, N.J. Long, M.F. Mahon, L.-I. Ooi, P.R. Raithby, S. Rooke, A.J.P. White, D.J. Williams, M. Younus	840
Synthesis and reactions of cycloheptadienyl and cyclooctadienyl tungsten complexes: X-ray crystal structure of $[\text{W}(\text{CO})_2(\text{PPh}_3)_2(\eta^5\text{-C}_7\text{H}_9)][\text{BF}_4]$ K.P. Carruthers, M. Helliwell, J.R. Hinchliffe, A.-L.A.B. deSouza, D.M. Spencer, M.W. Whiteley	848
A structural, spectroscopic and theoretical study of the triphenylphosphine chalcogenide complexes of tungsten carbonyl, $[\text{W}(\text{XPPH}_3)(\text{CO})_5]$, X = O, S, Se J.B. Cook, B.K. Nicholson, D.W. Smith	860
Synthesis and reactivity of bis(heptamethylindenyl) yttrium (Ind^*_2Y) complexes containing alkyl and hydride ligands: crystal structure of $\text{Ind}^*_2\text{YCl}(\text{THF})$ J. Gavenonis, T. Don Tilley	870
Mononuclear hydridocarbonyl ruthenium complexes incorporating N_2O_2 bis-chelating ligands M. Trivedi, M. Chandra, D.S. Pandey, M.C. Puerta, P. Valerga	879
Book reviews	
Advances in catalytic activation of dioxygen by metal complexes R. Cammack	883
Methods in polyphenol analysis J.R. Hanson	884
Issue 5	
Regular papers	
Novel dinuclear iron(0) complexes from α, β -unsaturated ketones β -positioned with sulfide and sulfoxide groups M.C. Ortega-Alfaro, N. Hernández, I. Cerna, J.G. López-Cortés, E. Gómez, R.A. Toscano, C. Alvarez-Toledano	885
Reaction of η^2 -enone and enal-platinum(0) complexes with Lewis acidic compounds M. Morita, K. Inoue, T. Yoshida, S. Ogoshi, H. Kurosawa	894
Studies of bimetallic carboxylates: their synthesis, characterization, biological activity and X-ray structure M. Mazhar, K.M. Khan, M.F. Mahon, K.C. Molloy	899

Chiral organochlorosilanes derived from terpenes: diastereoselective hydrosilylation of methylene bicyclo[2.2.1]heptanes with $\text{HSi-Me}_n\text{Cl}_{n-2}$ ($n = 0-2$) J. Beckmann, D. Dakternieks, A. Duthie, S.L. Floate, R.C. Foitzik, C.H. Schiesser	909
Synthesis and characterization of <i>N</i> -(2-pyridyl)benzamide-based nickel complexes and their activity for ethylene oligomerization W.-H. Sun, W. Zhang, T. Gao, X. Tang, L. Chen, Y. Li, X. Jin	917
Synthesis and characterization of new acyclic polyethers and macrocyclic crown ethers containing double-butterfly Fe_4S_3 cluster cores. Crystal structures of $\{[\text{Fe}_2(\text{CO})_6]_2(\mu_4\text{-S})\}_2[\mu\text{-SCH}_2(\text{CH}_2\text{OCH}_2)_2\text{CH}_2\text{S-}\mu_2]$ and $\{[\text{Fe}_2(\text{CO})_6]_2(\mu_4\text{-S})\}_2[\mu\text{-SCH}_2(\text{CH}_2\text{OCH}_2)_2\text{CH}_2\text{S-}\mu][\mu\text{-SCH}_2(\text{CH}_2\text{OCH}_2)_3\text{CH}_2\text{S-}\mu]$ L.-C. Song, J.-Y. Wang, F.-H. Gong, J. Cheng, Q.-M. Hu	930
Synthesis and characterization of new bis(1-aryliminomethylenynaphthalen-2-oxy)nickel complexes and their catalytic behavior for vinyl polymerization of norbornene F. Chang, D. Zhang, G. Xu, H. Yang, J. Li, H. Song, W.-H. Sun	936
Coordination chemistry of a multidentate pyrrolylaldimine ligand. X-ray crystal structure of double-helical bis- μ -[<i>N,N'</i> -ethylenedi(5- <i>tert</i> -butyl-pyrrol-2-ylaldimine)]-dimagnesium L.-C. Liang, P.-Y. Lee, W.-L. Lan, C.-H. Hung	947
Investigation in the coupling of zirconocene complexes and trimethylsilyl(diphenylphosphino)acetylene. P–C bond cleavage chemistry from protonolysis reactions Y. El Harouch, V. Cadierno, A. Igau, B. Donnadieu, J.-P. Majoral	953
Syntheses and molecular structures of $\text{Ru}_3(\mu\text{-H})(\mu_3\text{-CPh}_2\text{CCC}\equiv\text{CPh})(\text{CO})_9$ and $\text{Ru}_3\{\mu_3\text{-CPhCHCC(=CPh}_2\text{)CH=CPh}\}(\mu\text{-CO})(\text{CO})_8$ M.I. Bruce, A.C. Meier, B.W. Skelton, A.H. White, N.N. Zaitseva	965
Online ATR-IR investigations and mechanistic understanding of the carbonylation of epoxides – the selective synthesis of lactones or polyesters from epoxides and CO M. Allmendinger, M. Zintl, R. Eberhardt, G.A. Luinstra, F. Molnar, B. Rieger	971
Study of the reactivity of tris(pyrazolyl)amine and bis(pyrazolyl)amine ligands toward Rh(I). Crystal structure of $[\text{Rh}_3\text{Cl}_3(\text{cod})_3\text{-tdma}] \cdot \text{CH}_3\text{CN}$ (tdma = tris[(3,5-dimethyl-1-pyrazolyl) methyl]amine), a C_3 -symmetric compound G. Zamora, J. Pons, X. Solans, M. Font-Bardia, J. Ros	980
Chloromethylsilane functionalised dendrimers: synthesis and reactivity R. Meijboom, M.J. Overett, J.R. Moss	987
Issue 6	
Communication	
Guanylation of aromatic amines catalyzed by vanadium imido complexes F. Montilla, A. Pastor, A. Galindo	993
Regular papers	
Formation, structure, and reactivities of 1:1 adducts between quadricyclane and $(\eta^5\text{-cyclopentadienyl})(1,2\text{-diphenyl- or -dimethoxycarbonyl-1,2-ethenedithiolato})$ rhodium(III) M. Nomura, H. Hatano, T. Fujita, Y. Eguchi, R. Abe, M. Yokoyama, C. Takayama, T. Akiyama, A. Sugimori, M. Kajitani	997
Synthesis and properties of the ditelluroethers <i>m</i> - and <i>p</i> - $\text{C}_6\text{H}_4(\text{CH}_2\text{TeMe})_2$ and their Te(IV) derivatives: crystal structures of $\text{PhTeI}_2(\text{CH}_2)_3\text{TeI}_2\text{Ph}$, <i>m</i> - $\text{C}_6\text{H}_4(\text{CH}_2\text{TeI}_2\text{Me})_2$ and <i>p</i> - $\text{C}_6\text{H}_4(\text{CH}_2\text{TeI}_2\text{Me})_2$ M.J. Hesford, N.J. Hill, W. Levason, G. Reid	1006
Synthesis and crystal structure of the double cluster $[\text{Cp}_3\text{Fe}_4(\text{CO})_4(\text{C}_5\text{H}_4)]_2(p\text{-C}_6\text{H}_4)$ W.-Y. Yeh, Y.-C. Liu, S.-M. Peng, G.-H. Lee	1014
Synthesis, characterization of homoleptic guanidino lanthanide complexes and their catalytic activity for the ring-opening polymerization of ϵ -caprolactone C. Jing-Lei, Y. Ying-Ming, L. Yun-Jie, Z. Li-Ying, Z. Yong, S. Qi	1019
Formation of an η^3 -allyl and a cyclic γ -hydroxyalkyl complex of molybdenum from reaction of $\text{MoH}_2(\eta^5\text{-cyclopentadienyl})_2$ with homoallyl alcohol M. Minato, S. Hiratsuka, R. Sekimizu, T. Ito, K. Osakada	1025

Time-resolved fluorescence of α -(9-anthryl)- ω -(1-naphthyl)-oligosilanes: intramolecular electronic energy and charge transfer through π - π and σ - π interactions T. Karatsu, M. Terasawa, S. Yagai, A. Kitamura, T. Nakamura, Y. Nishimura, I. Yamazaki	1029
Water-soluble (η^6 -arene)ruthenium(II)-phosphine complexes and their catalytic activity in the hydrogenation of bicarbonate in aqueous solution H. Horváth, G. Laurency, Á. Kathó	1036
Lithiation of 2,5-dimethylazaferrocene K. Kowalski, J. Zakrzewski	1046
An investigation of the aromaticity of transition metal heterocyclic complexes by conventional criteria and indices of aromaticity Y.-Z. Huang, S.-Y. Yang, X.-Y. Li	1050
Synthesis and structural characterization of η^3 -allyl(α -diimine)nickel(II) complexes bearing trimethylsilyl groups A.S. Ionkin, W.J. Marshall	1057
Synthesis and structures of (3-methyl-2-pyridyl)diphenylphosphane derivatives of metal clusters S. Jääskeläinen, M. Haukka, H. Riihimäki, J.T. Pursiainen, T.A. Pakkanen	1064
Isolation, structure and spectroscopic characterization of silver complexes of the zwitterionic thiolate Tab: $[\text{Ag}(\text{Tab})_2](\text{PF}_6)$, $\{[\text{Ag}_3(\text{Tab})_4](\text{PF}_6)_3 \cdot 2\text{DMF}\}_n$, and $[\text{Ag}_{14}(\mu_6\text{-S})(\text{Tab})_{12}(\text{PPh}_3)_8](\text{PF}_6)_{12}$ (Tab = 4-(trimethylammonio)benzenethiolate) J.-X. Chen, Q.-F. Xu, Y. Zhang, Z.-N. Chen, J.-P. Lang	1071
Microwave-assisted synthesis and reverse saturable absorption of phthalocyanines and porphyrins M.O. Liu, C.-H. Tai, W.-Y. Wang, J.-R. Chen, A.T. Hu, T.-H. Wei	1078
Role of base in palladium-catalyzed arylation of carbanions A.V. Mitin, A.N. Kashin, I.P. Beletskaya	1085
Note	
$[\text{Cp}_2\text{TiCl}_2]$ as polymerization catalyst in aqueous medium: polymerization of styrene in water M. Bhattacharjee, B.N. Patra	1091
Issue 7	
Regular papers	
Selective lithiation and crystal structures of G1-carbosilane dendrimers with dimethoxybenzene functionalities S. Harder, R. Meijboom, J.R. Moss	1095
Reactions of organocobaloximes with aryldisulfonyl chlorides B.D. Gupta, V. Vijaikanth	1102
Syntheses and crystal structures of mono- and bi-metallic zinc compounds of symmetrically- and asymmetrically-substituted bis(amino)cyclodiphosph(V) azanes G.R. Lief, D.F. Moser, L. Stahl, R.J. Staples	1110
New emissive <i>fac</i> -tricarbonylchlorobis(ligand)rhenium(I) complexes prepared from pyridine/thiophene hybrid ligands J.R. Farrell, C. Becker, D.P. Lavoie, J.L. Shaw, C.J. Ziegler	1122
Reactions of silicon-, germanium- and tin-containing carbene complexes of tungsten $\text{Ph}_3\text{E}-\text{C}\equiv\text{W}(\text{O}i\text{Bu}')_3$ (E = Si, Ge, Sn) with hydrogen chloride: crystal structures of carbene complexes $\text{Ph}_3\text{E}-\text{CH}=\text{WCl}_2(\text{O}i\text{Bu}')_2$ (E = Si, Ge) A.V. Safronova, L.N. Bochkarev, N.E. Stolyarova, I.K. Grigorieva, I.P. Malysheva, G.V. Basova, G.K. Fukin, Y.A. Kurskii, S.Y. Khorshev, G.A. Abakumov	1127
Thermodynamic and kinetic parameters associated with the fluxional behavior of 2-methyl- and 2,6-dimethyltroponeiron tricarbonyl complexes A. Almássy, B. Horváth, A. Boháč, M. Sališová, G. Addová, M. Rosenblum	1131
Trimethylsilyl-functionalised bis(indenyl)iron(II) complexes: solid-state structure of $[\eta^5\text{-1,3-(SiMe}_3)_2\text{C}_9\text{H}_5]_2\text{Fe}$ G.M. Fern, S. Klaib, O.J. Curnow, H. Lang	1139
Preparation and structural studies on dibutyltin(IV) complexes with pyridine mono- and dicarboxylic acids A. Szorcsik, L. Nagy, J. Sletten, G. Szalontai, E. Kamu, T. Fiore, L. Pellerito, E. Kálmán	1145

Pyrrolide-imine benzyl complexes of zirconium and hafnium: synthesis, structures, and efficient ethylene polymerization catalysis S. Matsui, Y. Yoshida, Y. Takagi, T.P. Spaniol, J. Okuda	1155
β -Ferrocenyl- α,β -unsaturated phosphonates and sulfones D. Plažuk, A. Rybarczyk-Pirek, J. Zakrzewski	1165
New organomercury(II) compounds containing intramolecular N $\rightarrow$ Hg interactions: crystal and molecular structure of [2-(Me ₂ NCH ₂)C ₆ H ₄]HgCl and [2-(Me ₂ N-CH ₂)C ₆ H ₄]Hg[S(S)PPh ₂] O. Bumbu, C. Silvestru, M. Concepción Gimeno, A. Laguna	1172
Synthesis, characterization and structural investigation of the first vanadocene(IV) carboxylic acid complexes prepared from the vanadocene dichloride J. Honzic, P. Nachtigall, I. Cacut, J. Vinklár	1180
Xantphos as <i>cis</i> - and <i>trans</i> -chelating ligand in square-planar platinum(II) complexes. Hydroformylation of styrene with platinum–xantphos–tin(II)chloride system G. Petöcz, Z. Berente, T. Kégl, L. Kollár	1188
Alkylidenverbrückte dissymmetrische zweikernige Metallocenkomplexe als Katalysatoren für die Ethylenpolymerisation M. Deppner, R. Burger, H.G. Alt	1194
Salen-type zirconium complexes with a labile coordination site and a robust skeleton: crystal structure of [(<i>t</i> -Bu ₄ -salen)ZrCl ₂ (H ₂ O)] M. Wang, H. Zhu, D. Huang, K. Jin, C. Chen, L. Sun	1212
Tetrametallic macrocyclic frameworks constructed from ferrocenedicarboxylate and 2,2'-bipyridine: synthesis, molecular structures and characteristics X. Meng, H. Hou, G. Li, B. Ye, T. Ge, Y. Fan, Y. Zhu, H. Sakiyama	1218
Synthesis and crystal structures of novel lithium- and palladium-1-azaallyls R.J. Bowen, M.A. Fernandes, M. Layh	1230
Synthesis and crystal structures of organometallic compounds containing the ligands C(SiMe ₃) ₂ (SiMe ₂ H) and C(SiMe ₂ Ph) ₂ (SiMe ₂ H) A. Asadi, A.G. Avent, M.P. Coles, C. Eaborn, P.B. Hitchcock, J. David Smith	1238
Syntheses and characterization of indenylruthenium(II) complexes containing <i>N,N'</i> donor Schiff base ligands. Molecular structures of [(η^5 -C ₉ H ₇)Ru(PPh ₃) ₂ (CH ₃ CN)] BF ₄ and [(η^5 -C ₉ H ₇)Ru(PPh ₃)(C ₅ H ₄ -N-2-CH=N-C ₆ H ₄ - <i>p</i> -CH ₃)]BF ₄ S.S. Keisham, Y.A. Mozharivskij, P.J. Carroll, M.R. Kollipara	1249
Reactions of free radicals with η^3 -allylpalladium(II) complexes: cyclohexyl radicals S.J. Reid, M.C. Baird	1257
First synthesis of 1,1'-ferrocene bis-aminophosphonic esters J. Lewkowski, M. Rzeźniczak, R. Skowroński	1265
Synthesis and properties of PPE-type conjugated polymers containing tricarbonyl(arene)chromium unit in the main chain Y. Morisaki, H. Chen, Y. Chujo	1271
Synthesis, spectroscopic properties and crystal structures of SnBr ₂ [S ₂ CN(CH ₂ CH ₂) ₂ O] ₂ , (4- <i>F</i> -C ₆ H ₄ CH ₂) ₂ Sn(Cl)S ₂ CN(CH ₂ CH ₂) ₂ O and (2- <i>F</i> -C ₆ H ₄ CH ₂) ₃ SnS ₂ CN(CH ₂ CH ₂) ₂ O H. Yin, C. Wang, M. Hong, D. Wang	1277
Facile valence isomerization among bis(silacyclopropenyl), disila(Dewar benzene) and disilabenzvalene U. Deva Priyakumar, M. Punnaigai, G. Narahari Sastry	1284
Synthesis and redistribution reactions of asymmetric σ -arylplatinum(II) complexes containing 4,7-phenanthroline D.P. Gallasch, S.L. Woodhouse, L.M. Rendina	1288
Synthesis, structure and norbornene polymerization behavior of nickel complexes bearing two β -ketoiminato chelate ligands Y.-Z. Zhu, J.-Y. Liu, Y.-S. Li, Y.-J. Tong	1295
Isocyanide insertion reactivity of dinuclear niobium and tantalum imido complexes: X-ray crystal structure of [{Nb(η^5 -C ₅ H ₄ -SiMe ₃)(CH ₂ Ph) ₂ } ₂ (μ -1,4-NC ₆ H ₄ N)] S. Prashar, M. Fajardo, A. Garcés, I. Dorado, A. Antiñolo, A. Otero, I. López-Solera, C. López-Mardomingo	1304
C–H and N–H activation by Pt(0) in N- and O-heteroaromatic compounds J.T. Chantson, S. Lotz	1315

Note

- Formation of 5-phenyl-1,2-dithiole-3-thione from molybdenum dithiopropiolato complexes
 P. Mathur, V.D. Avasare, A.K. Ghosh, S.M. Mobin 1325

Issue 8**Special Issue: 2002 Main Group Chemistry Award Symposium/Frontiers in Organometallic Chemistry**

- Preface 1329

Regular papers

- Dichlorosilylene and dichlorogermylene transfer to alkylidenephosphanes
 W.-W. du Mont, T. Gust, E. Seppälä, C. Wismach 1331
- Diverse reactions of nitroxide-radical adducts of silylene, germylene, and stannylene
 T. Iwamoto, H. Masuda, S. Ishida, C. Kabuto, M. Kira 1337
- Synthesis and structures of four crystalline lithium β -diketimines derived from $[\text{Li}\{\text{CH}(\text{SiMe}_3)(\text{SiMe}_2\text{OMe})\}]_8$ and PhCN or Bu'CN and PhCN
 P.B. Hitchcock, M.F. Lappert, X.-H. Wei 1342

Note

- The thermally stable silylene $\text{Si}[(\text{NCH}_2\text{Bu}')_2\text{-C}_6\text{H}_4\text{-1,2}]$: reaction with pyridine and quinoline
 B. Gehrhus, P.B. Hitchcock 1350
- Preface 1355

Regular papers

- Oligomerisation of ethylene to linear α -olefins by tetrahedral cobalt(II) precursors stabilised by benzo[*b*]thiophen-2-yl-substituted (imino)pyridine ligands
 C. Bianchini, G. Giambastiani, G. Mantovani, A. Meli, D. Mimeo 1356
- Supramolecular cluster catalysis: facts and problems
 G. Süss-Fink, B. Therrien, L. Vieille-Petit, M. Tschan, V.B. Romakh, T.R. Ward, M. Dadras, G. Laurenczy 1362
- Synthesis and properties of oligomers of iron–manganese carbonyl complexes with bridging disulfido ligands
 R.D. Adams, B. Captain, O-S. Kwon, P.J. Pellechia, S. Sanyal 1370
- Asymmetric Michael reactions of α -substituted acetates with cyclic enones catalyzed by multifunctional chiral Ru amido complexes
 T. Ikariya, H. Wang, M. Watanabe, K. Murata 1377
- The versatility of molecular ruthenium catalyst $\text{RuCl}(\text{COD})(\text{C}_5\text{Me}_5)$
 S. Dérien, P.H. Dixneuf 1382
- Luminescent metal alkynyls – from simple molecules to molecular rods and materials
 V.W.-W. Yam 1393
- Developing some functional group chemistry at the Group 4 bent metallocene frameworks
 G. Erker, G. Kehr, R. Fröhlich 1402
- Hydroformylation in fluorous solvents
 D.J. Adams, D.J. Cole-Hamilton, E.G. Hope, P.J. Pogorzelec, A.M. Stuart 1413
- The counterion influence on the CH-activation of methane by palladium(II) biscarbene complexes – structures, reactivity and DFT calculations
 T. Strassner, M. Muehlhofer, A. Zeller, E. Herdtweck, W.A. Herrmann 1418
- Structural and mechanistic studies on ion insertion into the molecular box $\{[\text{CpCo}(\text{CN})_3]_4[\text{Cp}^*\text{Ru}]_4\}$
 M. Ramesh, T.B. Rauchfuss 1425
- α , β -(Phosphino)(aminocarbene) and α , ω -(phosphino)(oxyaminocarbene): new bidentate ligands for transition metal complexes
 N. Merceron-Saffon, H. Gornitzka, A. Bacciredo, G. Bertrand 1431

Issue 9

Communication

- Synthesis and reactivity of tricarbonyl(1-methoxycarbonyl-5-phenylpentadienyl)iron (1+) cation
S. Chaudhury, W.A. Donaldson, D.W. Bennett, D.T. Haworth, T.A. Siddiquee, J.M. Kloss 1437

Regular papers

- Chloride substitution of [CpRu(dppf)Cl] with sulfur-containing ligands
X.L. Lu, J.J. Vittal, E.R.T. Tiekink, L.Y. Goh, T.S.A. Hor 1444
- Tellurium azamacrocycles: synthesis, characterization and coordination studies
S.C. Menon, A. Panda, H.B. Singh, R.P. Patel, S.K. Kulshreshtha, W.L. Darby, R.J. Butcher 1452
- Synthese und Reaktionsverhalten von Platin(II) und Kupfer(I) Koordinationspolymeren; die Festkörperstruktur von $\{trans-(Ph_3P)_2Pt[(\eta^2-C\equiv CPh)CuBr]_2\}_n$ und $trans-(Ph_3P)_2Pt[(\eta^2-C\equiv CPh)CuNO_3]_2$
H. Lang, A. del Villar, B. Walfort, G. Rheinwald 1464
- Reaction of ferrocenecarboxylic acid with N,N' -disubstituted carbodiimides: synthesis, spectroscopic and X-ray crystallographic analysis of N,N' -disubstituted N -ferrocenoylureas and identification of a one-pot coupling reagent for the formation of ferrocenecarboxamides in a non-aqueous solvent
B. Schetter, B. Speiser 1472
- Reactions of a phosphido-bridged unsymmetrical diiron complex $(\eta^5-C_5Me_5)_2Fe_2(CO)_4(\mu-CO)(\mu-PPh_2)$ with various alkynes
H. Hashimoto, K. Kurashima, H. Tobita, H. Ogino 1481
- Cyclometallated platinum complexes with heterocyclic ligands
C. Anderson, M. Crespo 1496
- Synthesis of new substituted cyclopentadienyl titanium monomethoxydifluorides with $BF_3 \cdot OEt_2$ as fluorinating reagent and their use in syndiotactic polymerization of styrene
X. Qian, J. Huang, Y. Qian 1503
- Synthesis and structural characterisation of redox-responsive N -ferrocenoyl amino acid esters; the X-ray crystal structure of N -ferrocenoyl alanine methyl ester; electrochemical anion recognition and 1H NMR complexation studies
M.J. Sheehy, J.F. Gallagher, M. Yamashita, Y. Ida, J. White-Colangelo, J. Johnson, R. Orlando, P.T.M. Kenny 1511
- Effect of 5-Me substituent(s) on the catalytic activity of palladium(II) 2,2'-bipyridine complexes in CO/4-*tert*-butylstyrene copolymerization
B. Soro, S. Stoccoro, M. Agostina Cinellu, G. Minghetti, A. Zucca, A. Bastero, C. Claver 1521
- Lithiated anions derived from (alkenyl)pentamethyl phosphoric triamides: an accurate study of the carbanion formation mechanism
C. Grison, A. Thomas, F. Coutrot, P. Coutrot 1530
- Synthesis of poly{[bis(diethynylphenyl)-silylene]phenylene}s with highly heat-resistant properties and an application to conducting materials
J. Ohshita, T. Iida, M. Ikeda, T. Uemura, N. Ohta, A. Kunai 1540
- Functionalised tetraarylstannanes $Sn[C_6H_4-R]_4$ ($R = -CH(CH_2O)_2$, $-CH\equiv O$, $-COOH$, $-CH\equiv N-NH-C_6H_3-2,4-(NO_2)_2$, $-CH_2OH$, $-CONH-CH_2-COO-CH_3$, $-CH[N(C_2H_4)_2O]_2$)
M. Veith, A. Rammo, C. Kirsch, L. Khemtémourian, D. Agustin 1546
- Synthesis, characterization and cytotoxicity of some palladium(II), platinum(II), rhodium(I) and iridium(I) complexes of ferrocenylpyridine and related ligands. Crystal and molecular structure of *trans*-dichlorobis(3-ferrocenylpyridine)palladium(II)
J. Rajput, J.R. Moss, A.T. Hutton, D.T. Hendricks, C.E. Arendse, C. Imrie 1553
- Addition of diphenyl diselenide (PhSeSePh) to the clusters $[Os_3(CO)_{10}(\mu-dppm)]$ and $[(\mu-H)Os_3(CO)_8\{Ph_2PCH_2P(Ph)C_6H_4\}]$: X-ray structures of $[Os_2(CO)_4(\mu-SePh)_2(\mu-dppm)]$, $[Os_3(CO)_6(\mu-CO)(\mu-Se)_2(\mu-C_6H_4)(\mu-dppm)]$ and two isomers of $[Os_3(CO)_8(\mu-SePh)_2(\mu-dppm)]$
S.E. Kabir, N. Begum, M. Manjur Hassan, M. Iqbal Hyder, H. Nur, D.W. Bennett, T.A. Siddiquee, D.T. Haworth, E. Rosenberg 1569
- Decomposition of vinyl ethers by alkali K^+ , $K^+(15-crown-5)_2$ via organopotassium intermediates
Z. Grobelny, A. Stolarzewicz, A. Maercker, S. Krompiec, J. Kasperczyk, J. Rzepa 1580
- Synthesis and reactivity of $[(\eta^6-3_2)(1,3)cyclophane]Mn(CO)_3[BF_4]$
Y. Kang, T. Lee, C. Baik, S.W. Lee, S.O. Kang, T. Shinmyozu, J. Ko 1586

Synthesis and characterization of <i>meso</i> -ferrocenylethynyl 5,15-diphenylporphyrins K.-L. Cheng, H.-W. Li, D.K.P. Ng	1593
Coordination properties of N ₂ S (1,5-bis(3,5-dimethyl-1-pyrazolyl)-3-thiapentane) or N ₂ S ₂ (1,8-bis(3,5-dimethyl-1-pyrazolyl)-3,6-dithiaoctane or 1,2-bis[3-(3,5-dimethyl-1-pyrazolyl)-2-thiaprolyl]benzene) donor ligands toward Rh(I) J. Garcacut; a-Antón, R. Mathieu, N. Lugan, J. Pons Picart, J. Ros	1599
Exchange of boryl ligand substituents in Os[B(OEt) ₂]Cl(CO)(PPh ₃) ₂ C.E.F. Rickard, W.R. Roper, A. Williamson, L. James Wright	1609
Solvent-free synthesis of ferrocenylimines C. Imrie, V.O. Nyamori, T.I.A. Gerber	1617
Titanium and zirconium complexes containing the new 2,3-dimethyl-1,4-diphenylcyclopentadienyl ligand. Synthesis, characterization and polymerization behavior J. Pinkas, M. Horáček, J. Kubišta, R. Gyepes, I. Císařová, N. Pirio, P. Meunier, K. Mach	1623
Synthesis, crystal structures and in vitro antitumor activities of some arylantimony derivatives of analogues of demethyl- cantharimide G.-C. Wang, J. Xiao, L. Yu, J.-S. Li, J.-R. Cui, R.-Q. Wang, F.-X. Ran	1631
Preparation and reactivity of osmium(II) hydride complexes with phosphites and polypyridyls G. Albertin, S. Antoniutti, S. Pizzol	1639
Reactions of 2-arsa- and 2-stiba-1,3-dionato lithium complexes with group 4–7 metal halides C. Jones, T.C. Williams	1648
An NMR study of the rotational barriers in cobalt-stabilized carbocations: X-ray crystal structures of (η ⁴ -C ₄ Ph ₄)Co-(η ⁵ -C ₅ H ₄ R), where R is CH ₃ C=O, CH=O, CH(^t Bu)OH Y. Ortin, K. Ahrenstorf, P. O'Donohue, D. Foede, H. Müller-Bunz, P. McArdle, A.R. Manning, M.J. McGlinchey	1657
Synthesis of Re(I) complexes bearing tridentate 2,6-bis(7'-azaindoly)phenyl ligand with green emission properties K. Tani, H. Sakurai, H. Fujii, T. Hirao	1665
Synthesis, characterizations and crystal structures of di- <i>n</i> -butyltin(IV) complexes with heteroatomic (N, O or S) acid C. Ma, Y. Han, R. Zhang	1675
α-(Ferrocenyl)-aminomethanephosphonous acids. First synthesis and preparation of their esters with cholesterol and adenosine J. Lewkowski, M. Rzeźniczak, R. Skowroński	1684
Reactions of isonitriles with [Fe ₃ (CO) ₁₂] and [Ru ₃ (CO) ₁₂] monitored by electrospray mass spectrometry: structural characterisation of [Fe ₃ (CO) ₁₀ (CNPh) ₂] and [Ru ₄ (CO) ₁₁ (μ ₃ -η ² -CNPh) ₂ (CNPh)] C. Decker, W. Henderson, B.K. Nicholson	1691
Structure and UV–Vis spectroscopy of nitrosylthiolatoferrate mononuclear complexes M. Jaworska, Z. Stasicka	1702
Stereoselective synthesis of (<i>E</i>)-α-aryltellurenylvinylsilanes via hydromagnesiation reaction of alkynylsilanes M. Cai, W. Hao, H. Zhao, J. Xia	1714
Note	
An alkylzinc bromide and a lithium alkyldibromozincate containing tris(organosilyl)methyl groups D. Azarifar, M.P. Coles, S.M. El-Hamruni, C. Eaborn, P.B. Hitchcock, J.D. Smith	1718
Issue 10	
Regular papers	
Synthesis, crystal structure, and chirality of divalent lanthanide reagents containing tri- and tetraglyme M. Vestergren, B. Gustafsson, A. Johansson, M. Håkansson	1723
Mild and efficient silylcyanation of ketones catalyzed by cesium fluoride S.S. Kim, G. Rajagopal, D.H. Song	1734
Intramolecularly donor-stabilized silenes: Part 5. Generation and conversion of 1-[2,6-bis(alkoxymethyl)phenyl]- and 1-(8-alkoxy-naphthyl)-1,2,2-tris(trimethylsilyl)silenes C. Mamat, M. Mickoleit, H. Reinke, H. Oehme	1739

Coordination polymers and supramolecular structures in Ag(I)triflate–dppf systems (dppf = 1,1'-bis(diphenylphosphino)ferrocene) X.L. Lu, W.K. Leong, T.S. Andy Hor, L.Y. Goh	1746
Reaction of [CpRu(CH ₃ CN) ₃]PF ₆ with bidentate ligands: structural characterization of [{CpRu(CH ₃ CN) ₂ } ₂ (μ-η ^{1:1} -dppe)](PF ₆) ₂ [dppe = 1,2-bis(diphenylphosphino)ethane] M. Di Vaira, S. Seniori Costantini, F. Mani, M. Peruzzini, P. Stoppioni	1757
A one-pot method to prepare the carbene complex [Tp ^{Me,Cl} RhCl ₂ (CHN <i>i</i> Pr ₂)] from [Tp ^{Me,Cl} Rh(CO) ₂], CHCl ₃ , and NH <i>i</i> Pr ₂ E. Teuma, F. Malbosc, M. Etienne, J.-C. Daran, P. Kalck	1763
Synthesis and structural characterization of mixed carbene-carboxylate complexes of palladium(II) H.V. Huynh, D. Le Van, F. Ekkehardt Hahn, T.S. Andy Hor	1766
Synthesis and selective silylation of ω-hydroxy functionalized (η ² -alkenyl)carbene complexes of chromium(0) and tungsten(0) Part 11. The chemistry of metallacyclic alkenylcarbene complexes R. Schobert, T. Schmalz	1771
Chemistry of tricarbonylrhenium(I) chelates of azopyrimidines, azoimidazoles and anion radicals thereof B.K. Panda, S. Sengupta, A. Chakravorty	1780
Organometallic gold(III) and gold(I) complexes as catalysts for the 1,3-dipolar cycloaddition to nitrones: synthesis of novel gold–nitron derivatives A. Adé, E. Cerrada, M. Contel, M. Laguna, P. Merino, T. Tejero	1788
Solution properties, electrochemical behavior and protein interactions of water soluble triosmium carbonyl clusters C. Nervi, R. Gobetto, L. Milone, A. Viale, E. Rosenberg, F. Spada, D. Rokhsana, J. Fiedler	1796
Substituent effect on cyclopalladation of arylimines C.-L. Chen, Y.-H. Liu, S.-M. Peng, S.-T. Liu	1806
Sulfonate-bonded tin complexes for the production of diphenyl carbonate H. Lee, J. Yong Bae, O.-S. Kwon, S. Joon Kim, S. Deuk Lee, H. Sik Kim	1816
Arene ruthenium complexes incorporating imine/azine hybrid-chelating N–N' donor ligands: synthetic, spectral, structural aspects and DFT studies A. Singh, M. Chandra, A.N. Sahay, D.S. Pandey, K.K. Pandey, S.M. Mobin, M. Carmen Puerta, P. Valerga	1821
Ethylene polymerization catalyzed by substituted pyrazole nickel complexes S.M. Nelana, J. Darkwa, I.A. Guzei, S.F. Mapolie	1835
An efficient synthesis of ferrocenyl substituted 1,5-diketone and cyclic α,β-unsaturated ketones under ultrasound irradiation S.-J. Ji, Z.-L. Shen, D.-G. Gu, S.-Y. Wang	1843
Synthesis, spectroscopic characterization and reactivities of linear and butterfly chromium/selenium complexes containing substituted cyclopentadienyl ligands: crystal structures of [{η ⁵ -MeC ₅ H ₄ Cr(CO) ₂ } ₂ Se] and [{η ⁵ -EtO ₂ CC ₅ H ₄ Cr(CO) ₂ } ₂ Se ₂] L.-C. Song, H.-W. Cheng, Q.-M. Hu	1849
Notes	
Tris(trimethylsilylmethyl)alane: an aldehyde selective peterson methylenation reagent V. Abedi, M.A. Battiste	1856
Preparation of platinum complexes containing a thioamide-based SCS pincer ligand and their light emitting properties T. Kanbara, K. Okada, T. Yamamoto, H. Ogawa, T. Inoue	1860
Corrigendum	
Corrigendum to “Synthesis and antimalarial activity in vitro of new heterobimetallic complexes: Rh and Au derivatives of chloroquine and a series of ferrocenyl-4-amino-7-chloroquinolines” [J. Organomet. Chem. 688 (2003) 144–152]	1865
Book review	
Perspectives in organometallic chemistry P.L. Arnold	1866

Issue 11

Regular papers

Substituent effects of phosphonate groups electronic repartition of π -conjugated ferrocene analogues of stilbene R. Frantz, J.-O. Durand, G.F. Lanneau	1867
Synthesis and characterization of monomeric siloxo palladium(II) complexes: crystal structure of $[\text{Pd}(\text{tmeda})(\text{C}_6\text{F}_5)(\text{OSiPh}_3)]$ J. Ruiz, C. Vicente, V. Rodríguez, N. Cutillas, G. López, C.R. de Arellano	1872
Hydrozirconation of first-generation allyl-functionalized dendrimers and dendrimer model compounds R. Meijboom, J.R. Moss, A.T. Hutton, T.-A. Makaluza, S.F. Mapolie, F. Waggle, M.R. Domingo	1876
Some reactions of Ni–Mo and Ni–W propargylic cations with nucleophiles M.J. Chetcuti, S.R. McDonald	1882
X-ray and multinuclear NMR study of the mixed aggregate $[(\text{Ph}_2\text{P}(\text{O})\text{N}(\text{CH}_2\text{Ph})\text{CH}_3) \cdot \text{LiOC}_6\text{H}_2\text{-2,6-}\{\text{C}(\text{CH}_3)_3\}_2\text{-4-CH}_3) \cdot \text{C}_7\text{H}_8]_2$: a model for the directed metalation of phosphinamides I. Fernández, R.D. Price, P.D. Bolton, M.F. Mahon, M.G. Davidson, F. López-Ortiz	1890
Synthesis, structures and <i>rac/meso</i> isomerization behaviour of bisplanar chiral bis(phosphino- η^5 -indenyl)iron(II) complexes O.J. Curnow, G.M. Fern, M.L. Hamilton, E.M. Jenkins	1897
Ir(I) complexes with oxazoline-thioether ligands: nucleophilic attack of pyridine on coordinated 1,5-cyclooctadiene and application as catalysts in imine hydrogenation E. Guiu, C. Claver, S. Castellón	1911
Irregular cyclization reactions in titanocenes bearing pendant double bonds L. Lukešová, M. Horáček, P. Štěpnička, R. Gyepes, I. Císařová, J. Kubišta, K. Mach	1919
Cationic methyl complexes of rhodium(III): synthesis, structure, and some reactions E.P. Shestakova, Y.S. Varshavsky, K.A. Lyssenko, A.A. Korlyukov, V.N. Khrustalev, M.V. Andreeva	1930
Complexation and C–H bond activation of 1,5-cyclooctadiene on triosmium carbonyl clusters Y.-C. Liu, W.-Y. Yeh, G.-H. Lee, S.-M. Peng	1944
Alkylation and metalation of binuclear anions containing a novel tricyclohexylphosphonioethanetrithiolate ligand $\text{S}(\text{SR})\text{C}=\text{C}(\text{PCy}_3)\text{S}$ Y.-Q. Ma, N. Yin, J. Li, Q.-L. Xie, D. Miguel	1949
Five- and six-membered platinacycles derived from phenantryl and anthracenyl imines M. Crespo, E. Evangelio	1956
Zirconocene dichloride complexes with a 1,2-naphthylidene bridge as catalysts for the polymerisation of ethylene and propylene H.G. Alt, R.W. Baker, M. Dakkak, M.A. Foulkes, M.O. Schilling, P. Turner	1965
Comparative reactivity studies of dppf-containing CpRu^{II} and $(\text{C}_6\text{Me}_6)\text{Ru}^{\text{II}}$ complexes towards different donor ligands (dppf=1,1'-bis-(diphenylphosphino)ferrocene) X.L. Lu, J.J. Vittal, E.R.T. Tiekink, G.K. Tan, S.L. Kuan, L.Y. Goh, T.S.A. Hor	1978
Syntheses and structures of highly hindered N-functionalised alkyl and amido group 12 complexes MR_2 ($\text{M} = \text{Zn}$, Cd , and Hg), $[\text{MRCI}]_2$ ($\text{M} = \text{Zn}$ and Hg) T.R. van den Ancker, L.M. Engelhardt, M.J. Henderson, G.E. Jacobsen, C.L. Raston, B.W. Skelton, A.H. White	1991
Chemistry of Fischer-type rhenacyclo- butadiene complexes. I. Deprotonation, addition/substitution of nucleophilic reagents at α -carbon, and insertion of heteroatoms into rhenium–carbon bonds V. Plantevin, A. Wojcicki	2000
Chemistry of Fischer-type rhenacyclob- utadiene complexes II. Reactions with alkynes and sulfonium ylides, and rearrangements induced by nitriles and pyridine V. Plantevin, A. Wojcicki	2013
A zwitterionic triosmium cluster bearing a metallated azulene ligand coordinated perpendicularly as an alkylidene bridge Y. De Sanctis, A.J. Arce, F. Cañavera, R. Machado, A.J. Deeming, T. González, E. Galarza	2025
Uranium-sulfilimine chemistry. Hydrolysis of $\text{Cp}^*_2\text{UCl}_2$ with $\text{HNPh}_2 \cdot \text{H}_2\text{O}$ and the crystal structure of $\text{Cp}^*_2\text{UCl}(\text{OH})(\text{HNPh}_2)$, a metallocene terminal hydroxy complex of tetravalent uranium K.A.N.S. Ariyaratne, R.E. Cramer, G.B. Jameson, J.W. Gilje	2029

Issue 12**Review**

- Titanium-mediated syntheses of cyclopropylamines
A.d. Meijere, S.I. Kozhushkov, A.I. Savchenko 2033

Regular papers

- Sterically crowded diolates of group 13 metals
W. Ziemkowska, R. Anulewicz-Ostrowska 2056
- Tricarbonyl complexes of rhenium(I) and technetium(I) with thiourea derivatives
H. Braband, U. Abram 2066
- Ru(II) complexes imparting N₂O₂ donor bis chelating ligand *N,N'*-bis(salicylidine)-hydrazine in unusual coordination mode
S.K. Singh, M. Chandra, D.S. Pandey 2073
- Synthesis and characterization of new sulfide aggregates of the type [$\{\text{Pt}_2(\mu_3\text{-S})_2(\text{P-P})_2\}\text{M}(\text{C}_6\text{F}_5)_2$] (M = Ni, Pd, Pt; P-P = 2PPh₃, 2PMe₂Ph, dppf)
J. Ruiz, V. Rodríguez, A. Pérez, G. López, D. Bautista 2080
- Synthesis, spectroscopic studies and crystal structure of (Et₄N)(SnMe₃)₇(HAsO₄)₄ · 2H₂O
A. Diassé-Sarr, A.H. Barry, T. Jouini, L. Diop, B. Mahieu, M.F. Mahon, K.C. Molloy 2087
- 2,4,6-Triphenylphenyltellurium(IV) triiodide – supramolecular self-assembling in organotellurium triiodides
G.N. Ledesma, E.S. Lang, U. Abram 2092
- Synthesis of the anisobidentate compound bis(2-amino-cyclopent-1-ene-carbodithioate)-diethyltin (IV). Experimental and theoretical study
J. Barroso-Flores, R. Cea-Olivares, R.A. Toscano, J.A. Cogordan 2096
- Synthesis and characterisation of phosphane-substituted Co₃C clusters having a pendant allyl side-chain
S.J. Black, C.P. Morley, A.E. Owen, M.R.J. Elsegood 2103
- Solvent-controlled formation of η^3 -butadienyl or η^3 -allyl group 6 transition metal complexes in water or alcohols
A.G.W. Hodson, R.K. Thind, O. Granville-George 2114
- N-heterocyclic carbene complexes of Zn(II): synthesis, X-ray structures and reactivity
D. Wang, K. Wurst, M.R. Buchmeiser 2123
- Introduction of a phosphorus ylide moiety into $[\eta^2\text{-(}\omega\text{-hydroxy)alkenyl}]$ chromium(0) carbene complexes with Ph₃PCCO and consecutive Wittig alkenations with 2-alkynals. Part 12: the chemistry of metallacyclic alkenylcarbene complexes
R. Schobert, T. Schmalz 2131
- Reverse saturable absorption of lanthanide bisphthalocyanines and their application for optical switches
M.O. Liu, C.-H. Tai, A. Teh Hu, T.-H. Wei 2138

Issue 13**Review**

- Synthetic aspects of tetraorganotin and organotin(IV) halides
S.H.L. Thoonen, B.-J. Deelman, G.v. Koten 2145

Regular papers

- Synthesis, electrochemistry, and crystal and molecular structures of some molybdenum(0) arene derivatives with fluorinated and phenyl-substituted arene ligands
S. Antonini, F. Calderazzo, U. Englert, E. Grigiotti, G. Pampaloni, P. Zanello 2158
- Copper catalysed 1,4-addition of organozinc reagents to α,β -unsaturated carbonyl compounds: a mechanistic investigation
E. Gallo, F. Ragaini, L. Bilello, S. Cenini, C. Gennari, U. Piarulli 2169
- Mono-cyclopentadienyl complexes of lanthanum: synthesis and characterization of anilido derivatives
G.R. Giesbrecht, G.E. Collis, J.C. Gordon, D.L. Clark, B.L. Scott, N.J. Hardman 2177

A structural study of dimethylaluminum carboxylato and hydrazonato complexes D.A. Dickie, D.D. Choytun, M.C. Jennings, H.A. Jenkins, J.A.C. Clyburne	2186
Syntheses and structures of iron carbonyl complexes derived from <i>N</i> -(5-methyl-2-thienylmethylidene)-2-thiolethylamine and <i>N</i> -(6-methyl-2-pyridylmethylidene)-2-thiolethylamine C.-Y. Wu, L.-H. Chen, W.-S. Hwang, H.-S. Chen, C.-H. Hung	2192
Blue two-photon excited fluorescence of several D- π -D, A- π -A, and D- π -A compounds featuring dimesitylboryl acceptor D.X. Cao, Z.Q. Liu, Q. Fang, G.B. Xu, G. Xue, G.Q. Liu, W.T. Yu	2201
Solid-state isomerisation reactions of $(\eta^5\text{-C}_5\text{H}_4\text{R})\text{M}(\text{CO})_2(\text{PR}_3')\text{I}$ (M = W, Mo; R = ^t Bu, Me; R' = Ph, O ^t Pr ₃) O.G. Adeyemi, U.B. Eke, L. Cheng, L.M. Cook, D.G. Billing, B.B. Mamba, D.C. Levendis, N.J. Coville	2207
Coordination chemistry of ester-functionalized cp ligands: synthesis and catalytic activity of $[\text{Rh}\{\text{CpCO}_2(\text{CHPh})_2\text{OH}\}(\text{NBD})]$ and $[\text{Rh}\{\text{CpCO}_2(\text{CH}_2)_3\text{OH}\}(\text{NBD})]$ L. Busetto, M.C. Cassani, R. Mazzoni, P. Frediani, E. Rivalta	2216
Sulfur and oxygen functionalized cyclopentadienyl half-sandwich cobalt complexes with 1,2-dicarba- <i>clos</i> o-dodecaborane-1,2-dichalcogenolato ligands X.-F. Hou, X.-C. Wang, J.-Q. Wang, G.-X. Jin	2228
Alkyl group dependence of C–Si reductive eliminations from alkyl(silyl) Pt(II) complexes: a density functional study H. Sakurai, M. Sugimoto	2236
Novel titanocene anti-cancer drugs derived from fulvenes and titanium dichloride M. Tacke, L.T. Allen, L. Cuffe, W.M. Gallagher, Y. Lou, O. Mendoza, H. Müller-Bunz, F.-J.K. Rehmann, N. Sweeney	2242
Electronic communication through the ureylene bridge: spectroscopy, structure and electrochemistry of dimethyl 1',1'-ureylenedi(1-ferrocenecarboxylate) K. Mahmoud, Y.-T. Long, G. Schatte, H.-B. Kraatz	2250
Potential inhibitors of DNA topoisomerase II: ruthenium(II) poly-pyridyl and pyridyl-azine complexes M. Chandra, A.N. Sahay, D.S. Pandey, R.P. Tripathi, J.K. Saxena, V.J.M. Reddy, M. Carmen Puerta, P. Valerga	2256
Note	
Trimethylsilylcyclopentadienylchromium(III) complexes with diphenyl-2-pyridylphosphine: synthesis, structural characterisation and catalytic behaviour of $[(\text{C}_6\text{H}_5)_2\text{PC}_5\text{H}_4\text{NH}][(\eta^5\text{-Me}_3\text{SiCp})\text{CrCl}_3]$ R. Rojas, M. Valderrama	2268
Book review	
Comprehensive chemical kinetics, 39: Unimolecular kinetics, Part 1. The reaction step R.A. Henderson	2273
Issue 14	
Regular papers	
DFT studies of structural preference of coordinated ethylene in $\text{W}(\text{CO})_3(\text{PX}_3)_2(\text{CH}_2=\text{CH}_2)$ (X = H, CH ₃ , F, Cl, Br, and I) A. Ariafard	2275
Knoevenagel condensation of $[\text{NC-CH}_2\text{C}(\text{O})\text{-NH-CH}(\text{CO}_2\text{Et})\text{-S}]_2$ with ferrocene carbaldehyde and the activation of the $\sigma(\text{C-S})$ bond of $[(\eta^5\text{-C}_5\text{H}_5)\text{Fe}\{(\eta^5\text{-C}_5\text{H}_4)\text{-CH=C}(\text{CN})\text{-C}(\text{O})\text{-NH-CH}(\text{CO}_2\text{Et})\text{-CH}_2\text{-S-}\}]_2$ induced by palladium(II) S. Díaz, A. González, C. López	2284
Self-assembled macrocycles with pentavalent silicon linkages J.B. Lambert, S.R. Singer	2293
Syntheses, crystal structures, and quadratic nonlinear optical properties in four “push–pull” diorganotin derivatives H. Reyes, C. García, N. Farfán, R. Santillan, P.G. Lacroix, C. Lepetit, K. Nakatani	2303
Olefin hydroboration of borazine with vinylsilanes as precursors of Si–B–C–N ceramics J.-K. Jeon, Q.D. Nghiem, D.-P. Kim, J. Lee	2311
Pentacarbonyl(2,6-diaminopyridine)chromium(0): synthesis and molecular structure I.A. Morkan, K. Güven, S. Özkar	2319

Coordinating properties of $[M(CO)_5(CN)]^-$ [$M = Cr; Mo; W$] ligands: formation of ion pairs or dinuclear cyanide-bridged complexes, spectroscopic and X-ray diffraction studies A. Palazzi, P. Sabatino, S. Stagni, S. Bordoni, V.G. Albano, C. Castellari	2324
Reactions of hydrosulfido- and hydro selenidobridged dinuclear Ir, Rh, and Ru complexes with $SbCl_3$ and $BiCl_3$ affording mixed-metal sulfido and selenido clusters containing both noble metals and Group 15 metals W.-Y. Yeh, H. Seino, T. Amitsuka, S. Ohba, M. Hidai, Y. Mizobe	2338
2-[2-(4-Methoxyphenyltelluro)ethyl]thiophene (L^1) bis[2-(2-thienyl)ethyl] telluride (L^2) and their metal complexes; crystal structure of <i>trans</i> -dichlorobis{2-(2-(4-methoxyphenyl telluro)ethyl)thiophene-Te}palladium(II) and {bis[2-(2-thienyl)ethyl] telluride}dichloro(<i>p</i> -cymene)ruthenium(II) S. Bali, A.K. Singh, P. Sharma, R.A. Toscano, J.E. Drake, M.B. Hursthouse, M.E. Light	2346
A density functional theory study of alkyl group migration in $RMn(CO)_5$ complexes X. Wang, E. Weitz	2354
Electron-transfer reduction of selected alcohols with alkali K^- , $K^+(15\text{-crown-5})_2$ via organometallic intermediates Z. Grobelny, A. Stolarzewicz, A. Maercker, S. Krompiec, J. Kasprzyk, J. Rzepa, H. Frey	2361
Syntheses and structures of molybdenum and tungsten pentabenzylcyclopentadienyl complexes: new chlorination reactions A.M. Martins, R. Branquinho, J. Cui, A.R. Dias, M.T. Duarte, J. Fernandes, S.S. Rodrigues	2368
Synthesis and characterization of 2,7-dihydro-1 <i>H</i> -dinaphtho[c,e]tellurepin: a new heterocyclic telluride A.Z. Al-Rubaie, T.A. Fahad, S.A.N. Al-Jadaan, N.A. Aboud	2377
<i>Exo</i> - and <i>endo</i> -palladacycles derived from (4 <i>R</i>)-phenyl-2-oxazolines O.N. Gorunova, K.J. Keuseman, B.M. Goebel, N.A. Kataeva, A.V. Churakov, L.G. Kuz'mina, V.V. Dunina, I.P. Smoliakova	2382
Reactions of 2,3-diferrocenylcyclopropanone with methyllithium and phenyllithium E.I. Klimova, T. Klimova, S.H. Ortega, M.E. Rabell, L.R. Ramírez, M.M. García	2395
Iridium(III) and rhodium(III) cyclometalated complexes containing sulfur and selenium donor ligands M.-K. Lau, K.-M. Cheung, Q.-F. Zhang, Y. Song, W.-T. Wong, I.D. Williams, W.-H. Leung	2401
Synthesis and reactivity of $[N(C_6H_4Br)_3][B(C_6F_5)_4]$: the X-ray crystal structure of $[Fe(C_5H_5)_2][B(C_6F_5)_4]$ A.R. O'Connor, C. Nataro, J.A. Golen, A.L. Rheingold	2411
Reactions of 1,8-bis(diphenylphosphino)naphthalene with $Os_3(CO)_{12}$: C–H and C–P bond cleavage reactions M.I. Bruce, P.A. Humphrey, R. Schmutzler, B.W. Skelton, A.H. White	2415
Notes	
Fluxional behavior of $Al(Et)(q')_2$ ($q' = 2\text{-methyl-8-quinolinolato}$) studied by temperature dependent 1H NMR spectroscopy T. Yamamoto, T. Iijima	2421
Synthesis of a transition-metalated phosphinoborane dimer K. Kubo, I. Kanemitsu, E. Murakami, T. Mizuta, H. Nakazawa, K. Miyoshi	2425
Issue 15	
Regular papers	
Organometallic chemistry in a conventional microwave oven: the facile synthesis of group 6 carbonyl complexes M. Ardon, G. Hogarth, D.T.W. O'scroft	2429
Carbonyl allylation of aldehydes catalyzed by a silica-supported poly- γ -diphenylarsinopropylsiloxane palladium(0) complex M. Cai, Y. Huang, H. Zhao, R. Zhang	2436
First silver complexes of tetrahydropyrimid-2-ylidenes W.A. Herrmann, S.K. Schneider, K. Öfele, M. Sakamoto, E. Herdtweck	2441
Microwave-assisted synthesis of phthalocyanine–porphyrin complex and its photoelectric conversion properties M.O. Liu, A.T. Hu	2450
Ruthenium(II) complexes with ferrocene-modified arene ligands: synthesis and electrochemistry B. Therrien, L. Vieille-Petit, J. Jeanneret-Gris, P. Štěpnička, G. Süss-Fink	2456

[1,1'-Bis(diphenylphosphino) ferrocene] palladium(II) complexes with fluorinated benzenethiolate ligands: examination of the electronic effects in the solid state, solution and in the Pd-catalyzed Heck reaction with the catalytic system [Pd(dppf)(SR _F) ₂] C. Herrera-Álvarez, V. Gómez-Benítez, R. Redón, J.J. García, S. Hernández-Ortega, R.A. Toscano, D. Morales-Morales	2464
Synthesis, structure and redox potentials of biologically active ferrocenylalkyl azoles L.V. Snegur, A.A. Simenel, Y.S. Nekrasov, E.A. Morozova, Z.A. Starikova, S.M. Peregudova, Y.V. Kuzmenko, V.N. Babin, L.A. Ostrovskaya, N.V. Bluchterova, M.M. Fomina	2473
Synthesis and structural characterization of diorganotin(IV) esters of salicylidene-amino acids H.-D. Yin, Q.-B. Wang, S.-C. Xue	2480
Synthesis and molecular structure of [Re ₂ (μ-η ⁶ -C ₂₄ H ₁₈ N ₄)(CO) ₆] containing the rtct-tetrakis(2-pyridyl)cyclobutandiyl ligand, derived from the reaction of [Re ₂ (CO) ₈ (MeCN) ₂] and 1,2-bis(2-pyridyl)ethene R.A. Machado, D. Rivillo, A.J. Arce, L. D'Ornelas, Y. De Sanctis, R. Atencio, T. González, E. Galarza	2486
Synthesis of a new class of unsymmetrical PCP' pincer ligands and their palladium (II) complexes: X-ray structure determination of PdCl{C ₆ H ₃ -2-CH ₂ PPh ₂ -6-CH ₂ PBu' ₂ } A. Naghipour, S.J. Sabounchei, D. Morales-Morales, S. Hernández-Ortega, C.M. Jensen	2494
Synthesis of di- and monobromo(ferrocenylvinyl)cyclopropanes M.I. Daniel, K. Tatiana, K. Elena, H.O. Simon, P.F. Javier, G.M. Martínez	2503
Nucleophilic substitution reactions at the Si-Cl bonds of the dichloro(methyl)silyl ligand in five- and six-coordinate complexes of ruthenium(II) and osmium(II) W.-H. Kwok, G.-L. Lu, C.E.F. Rickard, W.R. Roper, L.J. Wright	2511
Manganese carbonyl-mediated reactions of azabutadienes with phenylacetylene, methyl acrylate and other unsaturated molecules W.J. Mace, L. Main, B.K. Nicholson, D.J. van de Pas	2523
A facile stereoselective synthesis of (<i>E</i>)-1,2-disubstituted vinylstannanes via hydromagnesiation of alkylarylacetylenes M. Cai, J. Xia, G. Chen	2531
Triosmium clusters with bridging terpenic thioureato-like ligands V.P. Kirin, V.A. Maksakov, A.V. Virovets, S.A. Popov, A.V. Tkachev	2535
The chemistry of (1-azabuta-1,3-diene)- tricarbonyliron(0) complexes T.N. Danks, G. Wagner	2543
Notes	
Two gold-ruthenium clusters derived from Ru ₃ (μ-H) ₃ (μ ₃ -CBr)(CO) ₉ M.I. Bruce, P.A. Humphrey, B.W. Skelton, A.H. White	2558
Synthesis and structure of a boron cation supported by a β-diketiminato ligand A.H. Cowley, Z. Lu, J.N. Jones, J.A. Moore	2562
New synthetic routes to allylic germatranes J.W. Faller, R.G. Kultyshev, J. Parr	2565
Issue 16	
Regular papers	
Hexa- and triosmium carbonyl clusters bearing bridging dppm and capping sulfido ligands T. Akter, N. Begum, D.T. Haworth, D.W. Bennett, S.E. Kabir, M.A. Miah, N.C. Sarker, T.A. Siddiquee, E. Rosenberg	2571
Synthesis and X-ray structural characterisation of the tetramethylene oxonium derivative of the hydrodecaborate anion. A versatile route for derivative chemistry of [B ₁₀ H ₁₀] ²⁻ R. Bernard, D. Cornu, M. Perrin, J.-P. Scharff, P. Miele	2581
Syntheses of methylene-bridged <i>ansa</i> -zirconocene complexes and copolymerization studies of ethylene and norbornene S.-G. Lee, S.-D. Hong, Y.-W. Park, B.-G. Jeong, D.-W. Nam, H.Y. Jung, H. Lee, K. Ho Song	2586
Synthesis and structures of organoantimony compounds containing intramolecular Sb-N interactions P. Sharma, D. Castillo, N. Rosas, A. Cabrera, E. Gomez, A. Toscano, F. Lara, S. Hernández, G. Espinosa	2593

Studies on phthalocyanine sheet polymers B.N. Achar, K.S. Lokesh	2601
Synthesis of novel tri-podal mesogenic alkenes and side-chain polysiloxanes T. Ganicz, W.A. Stańczyk	2606
Novel neutral arylnickel(II) phosphine catalysts containing 2-oxazolinyphenolato N–O chelate ligands for ethylene oligomerization and propylene dimerization W. Zhao, Y. Qian, J. Huang, J. Duan	2614
Synthesis and molecular structures of dinuclear complexes with 1,2-dihydro-1,2-diphenyl-naphtho[1,8-c,d]1,2-diphosphole as a bridging ligand T. Mizuta, S. Kunikata, K. Miyoshi	2624
Reactions of benzothiazolide triosmium clusters with tetramethylthiourea N. Begum, A.J. Deeming, M.K. Islam, S.E. Kabir, D. Rokhsana, E. Rosenberg	2633
Heterobimetallic complexes as oxygen donor bidentate ligands: synthesis of early–late trinuclear complexes R. Fandos, A. Otero, A. Rodríguez, M.J. Ruiz, P. Terreros	2641
Organolanthanides with 3-(2-pyridylmethyl) indenyl ligands: synthesis, crystal structures and catalytic activities of divalent complexes for ϵ -caprolactone polymerization J. Cheng, D. Cui, W. Chen, N. Hu, T. Tang, B. Huang	2646
Improved synthesis of diethyl ferrocenylphosphonate, crystal structure of $(\text{FcPO}_3\text{Et}_2)_2 \cdot \text{ZnCl}_2$, and electrochemistry of ferrocenylphosphonates, $\text{FcP}(\text{O})(\text{OR})_2$, $\text{FcCH}_2\text{P}(\text{O})(\text{OR})_2$, 1,1'-fc[P(O)(OR) $_2$] $_2$ and $[\text{FcP}(\text{O})(\text{OEt})_2]_2 \cdot \text{ZnCl}_2$ (Fc = $(\eta^5\text{C}_5\text{H}_5)\text{Fe}(\eta^5\text{C}_5\text{H}_4)$, fc = $(\eta^5\text{C}_5\text{H}_4)\text{-Fe}(\eta^5\text{C}_5\text{H}_4)$, R = Et, H) O. Oms, F. Maurel, F. Carré, J.L. Bideau, A. Vioux, D. Leclercq	2654
Efficient and regioselective chromium(0)-catalyzed reaction of 2-substituted furans with diazo compounds: stereoselective synthesis of (2 <i>E</i> ,4 <i>Z</i>)-2-aryl-hexadienedioic acid diesters N.D. Hahn, M. Nieger, K.H. Dötz	2662
Synthesis, structure and formation pathways of new Fe–S complexes containing [Fe $_2$ S $_2$]-units in different valences, [Fe $_2$ S $_2$ (CO) $_4$ (PPh $_3$) $_2$], [Fe $_3$ S $_2$ (CO) $_6$ (PPh $_3$) $_3$] and [Fe $_4$ S $_2$ (CO) $_{10}$] $^{2-}$ and the origin of the [Fe $_2$ S $_2$]-unit in metal–[Fe $_2$ S $_2$ (CO) $_6$] complexes B. Zhuang, J. Chen, L. He, J. Chen, Z. Zhou, K. Wu	2674
Synthesis and characterization of organometallic conjugated polymers containing tricarbonyl(arene)chromium unit and platinum Y. Morisaki, H. Chen, Y. Chujo	2684
Titanocene-based group-11 metal ions; solid-state structure of $\{[(\eta^5\text{-C}_5\text{H}_4\text{SiMe}_3)_2\text{Ti}(\text{C}\equiv\text{CPh})_2\text{Ag}\}\text{NO}_3$ H. Lang, T. Stein, S. Back, G. Rheinwald	2690
IR laser decomposition of 1,3-disilacyclobutane in presence of carbon disulfide: chemical vapour deposition of polythiacarbosilane M. Urbanová, J. Pola	2697
Metallacarborane chemistry of the <i>hypho</i> -[6,7- $\text{C}_2\text{B}_6\text{H}_{13}$] $^-$ anion: the formation of uniquely structured metallacarboranes [5- $\text{Cp}^*\text{-arachno-5,4,6-RhC}_2\text{B}_6\text{H}_{12}$] and [2,5- $\text{Cp}_2^*\text{-10-Me-nido-2,5,1-Rh}_2\text{CB}_6\text{H}_9$] ($\text{Cp}^* = \eta^5\text{-C}_5\text{Me}_5$): complete rhodium analogues of <i>arachno</i> -4,6- $\text{C}_2\text{B}_7\text{H}_{13}$ and <i>nido</i> -1- CB_8H_{12} M.G.S. Londesborough, Z. Janoušek, B. Štibr, I. Cisařová	2702
The reaction of <i>ortho</i> -halogenated aromatic aldazine ligands with Fe $_2$ (CO) $_9$: symmetrical cleavage of the azine and carbon–halogen activation D. Dönnecke, K. Halbauer, W. Imhof	2707
Aminotroponimate alkyl and alkoxide complexes of zinc J.-S. Herrmann, G.A. Luinstra, P.W. Roesky	2720
Note	
Reactions of $\text{Cu}_3(\text{dppm})_3(\mu_3\text{-OH})(\text{ClO}_4)_2$ (dppm = bis-(diphenylphosphino) methane) with Soft Heterocumulenes C. Sivasankar, J.K. Bera, M. Nethaji, A.G. Samuelson	2726
Book review	
Comprehensive coordination chemistry II. From biology to nanotechnology G.J. Leigh	2733

Erratum

- Erratum to “Reaction of ferrocenecarboxylic acid with *N,N'*-disubstituted carbodiimides: synthesis, spectroscopic and X-ray crystallographic analysis of *N,N'*-disubstituted *N*-ferrocenoylureas and identification of a one-pot coupling reagent for the formation of ferrocenecarboxamides in a non-aqueous solvent” [J. Organomet. Chem. 689 (2004) 1472–1480]
 B. Schetter, B. Speiser 2743

Issue 17**Regular papers**

- Mercury trifluoroacetate-catalyzed conversion of *Se*-alkyl phosphoroselenolates into the corresponding phosphates
 L.A. Wozniak 2745
- Molybdenum(VI)-complexes with chiral *N,O*-ligands derived from carbohydrates: synthesis, structure and catalytic properties in asymmetric olefin epoxidation
 J. Fridgen, W.A. Herrmann, G. Eickerling, A.M. Santos, F.E. Kühn 2752
- Preparation and structural studies on the $t\text{-Bu}_2\text{Sn(IV)}$ complexes with aromatic mono- and dicarboxylic acids containing hetero {N} donor atom
 A. Szorcsik, L. Nagy, A. Deák, M. Scopelliti, Z.A. Fekete, Á. Császár, C. Pellerito, L. Pellerito 2762
- Aminocarbonylation of 1,1'-diiodoferrocene, two-step synthesis of heterodisubstituted ferrocene derivatives via homogeneous catalytic carbonylation/coupling reactions
 Z. Szarka, Á. Kuik, R. Skoda-Földes, L. Kollár 2770
- Nucleophilic addition reactions to the allenylidene complex $[\text{Cp}^*\text{Ru}=\text{C}=\text{C}=\text{CPh}_2(\text{CO})(\text{PMe}^i\text{Pr}_2)]^+$: X-ray crystal structures of $[\text{Cp}^*\text{Ru}\{\text{C}(\text{HCN}=\text{CPh}_2)\text{CH}=\text{CPh}_2\}(\text{CO})(\text{PMe}^i\text{Pr}_2)][\text{BAR}'_4]$, $[\text{Cp}^*\text{Ru}\{\text{C}(\text{NCH}_2\text{C}\equiv\text{CH})\text{CH}=\text{CPh}_2\}(\text{CO})(\text{PMe}^i\text{Pr}_2)][\text{BAR}'_4]$, $[\text{Cp}^*\text{Ru}\{\text{C}(\text{PMe}^i\text{Pr}_2)\text{C}=\text{CPh}_2\}(\text{CO})(\text{PMe}^i\text{Pr}_2)][\text{BAR}'_4]$ and $[\text{Cp}^*\text{Ru}\{\text{C}(\text{S}^n\text{Pr})\text{CH}=\text{CPh}_2\}(\text{CO})(\text{PMe}^i\text{Pr}_2)][\text{BAR}'_4]$
 M. Jiménez-Tenorio, M. D. Palacios, M.C. Puerta, P. Valerga 2776
- Reaction of aryl di-, tri-, or tetrabromides with arylboronic acids or alkenes in the presence of a palladium-tetrakisphosphine catalyst
 F. Berthiol, I. Kondolff, H. Doucet, M. Santelli 2786
- Ferrocenyl and permethylferrocenyl cyclic and polyhedral siloxane polymers as mediators in amperometric biosensors
 J. Losada, M.P.G. Armada, I. Cuadrado, B. Alonso, B. González, C.M. Casado, J. Zhang 2799
- Cu(I) and Ag(I) complexes of chalcogenide derivatives of the organometallic ligand dppf and the dppa analogue
 H. Liu, N.A.G. Bandeira, M.J. Calhorda, M.G.B. Drew, V. Félix, J. Novosad, F.F.d. Biani, P. Zanello 2808
- Hydrogen-bonded systems between monocarboxylic acids and the trinuclear cluster cation $[\text{H}_3\text{Ru}_3(\text{C}_6\text{H}_6)(\text{C}_6\text{Me}_6)_2(\text{O})]^+$: cold-spray ionisation mass spectroscopic and X-ray crystallographic studies
 B. Therrien, L. Vieille-Petit, G. Süß-Fink, Y. Sei, K. Yamaguchi 2820
- Six-membered tetracarbonylmanganese(I) and -rhenium(I) metalacycles containing the $[\text{Ph}_2\text{P}(\text{Se})\text{NP}(\text{Se})\text{Ph}_2]$ ligand: solution and solid state characterization
 N. Zúñiga-Villarreal, J.M. Germán-Acacio, A.A. Lemus-Santana, M. Reyes-Lezama, R.A. Toscano 2827
- Palladium-catalyzed asymmetric allylic alkylation using chiral hydrazone ligands with ferrocene skeleton
 T. Mino, H. Segawa, M. Yamashita 2833
- Oxalate-bridged dirhenium(I) hexacarbonyl complexes: synthesis, reactions, and crystal structures
 R. Zhang, C.L. Kee, W.K. Leong, Y.K. Yan 2837

Erratum

- Erratum to “Dramatic effect of homoallylic substitution on the rate of palladium-catalyzed diene cycloisomerization” [J. Organomet. Chem. 687 (2003) 498–507] 2845

Issue 18**Regular papers**

- Folded 2,5-diazapent-3-ene metallacycle in ene-diamido group 4 metal compounds: DFT and AIM analyses
 A. Galindo, D. del Río, C. Mealli, A. Ienco, C. Bo 2847
- Activation of alkynes by $\{[\text{CpRu}(\text{CO})(\text{PMe}^i\text{Pr}_2)]^+\}$: X-ray crystal structures of $[\text{Cp}^*\text{Ru}=\text{C}=\text{CH}^t\text{Bu}(\text{CO})(\text{PMe}^i\text{Pr}_2)][\text{BAR}'_4]$ and $[\text{Cp}^*\text{Ru}(\text{CO})_2(\text{PMe}^i\text{Pr}_2)][\text{BAR}'_4]$
 M. Jiménez-Tenorio, M.D. Palacios, M. C. Puerta, P. Valerga 2853

Synthesis, structures and some reactions of Ru(C≡CC≡CFc)(PP)Cp (PP = dppe, dppe) and related compounds M.I. Bruce, F. de Montigny, M. Jevric, C. Lapinte, B.W. Skelton, M.E. Smith, A.H. White	2860
Synthesis, characterization and electrochemistry of ferrocenylselenolate bridged palladium(II) and platinum(II) complexes M.J. Brown, J.F. Corrigan	2872
Propylene oxidation by palladium nitro and nitrate complexes: in situ NMR and IR studies I.E. Beck, A.V. Golovin, V.A. Likholobov, E.V. Gusevskaya	2880
Synthesis, characterization and spectroscopic studies of cyclometalated platinum(II) complexes containing <i>meta</i> -bis(2-pyridoxy)-benzene C. Brenda Ka-Wen, L. Michael Hon-Wah, L. Derek Yiu-Kin, W. Wai-Yeung	2888
Isobutene–isoprene copolymerization initiated by [Cp*MMe ₂][(n-C ₁₈ H ₃₇ E)B(C ₆ F ₅) ₃] (M = Ti, Hf; E = O, S) and related compounds K. Rajesh Kumar, A. Penciu, M.J. Drewitt, M.C. Baird	2900
Luminescent rhenium(I)–gold(I) hetero organometallics linked by ethynylphenanthrolines Y. Yamamoto, M. Shiotsuka, S. Onaka	2905
A mechanistic investigation of (Me ₃ Si) ₃ SiH oxidation A.B. Zaborovskiy, D.S. Lutsyk, R.E. Prystansky, V.I. Kopylets, V.I. Timokhin, C. Chatgililoglu	2912
New B-substituted derivatives of <i>m</i> -carborane, <i>p</i> -carborane, and cobalt bis(1,2-dicarbollide) anion I.P. Beletskaya, V.I. Bregadze, V.A. Ivushkin, P.V. Petrovskii, I.B. Sivaev, S. Sjöberg, G.G. Zhigareva	2920
Reactions of alkylalane diolates with water synthesis, characterisation and ε-caprolactone polymerisation activity of novel alane benzo-pinacolates W. Ziemkowska, S. Kucharski, A. Kołodziej, R. Anulewicz-Ostrowska	2930
Optical properties of bis(cyclopentadienyl)magnesium: excimer-type luminescence of the bis(cyclopentadienyl) ligand frame H. Kunkely, A. Vogler	2940
Corrigendum	
Corrigendum to “Synthesis and characterisation of aromatic ethynyl-bridged ferrocenes” [J. Organomet. Chem., 689 (2004) 840–847] N. Chawdhury, N.J. Long, M.F. Mahon, L. Ooi, P.R. Raithby, S. Rooke, A.J.P. White, D.J. Williams, M. Younus	2944
Book reviews	
Catalytic synthesis of alkene-carbon monoxide copolymers and cooligomers M.P. Coles	2945
Organic reaction mechanisms J.R. Hanson	2946
Issue 19	
Communication	
Photolysis of diruthenium hexacarbonyl tetrahydride compounds in Nujol glass matrices T.E. Bitterwolf, J.A. Cabeza	2947
Regular papers	
A new set of nickelacyclic carboxylates (“nickelalactones”) containing pyridine as supporting ligand: synthesis, structures and application in C–C– and C–S– linkage reactions J. Langer, R. Fischer, H. Görls, D. Walther	2952
Chelates formed by a constrained bis(diphenylphosphino)xylene; the crystal structures of [FeCl ₂ (anphos)] and [RhCl(CO)(anphos-monoxide)] L.J. Higham, A.J. Middleton, K. Heslop, P.G. Pringle, A. Barber, A. Guy Orpen	2963
Study on carbon–hydrogen activation of ketones by Gold(III) complexes and the synthesis and characterization of two ketonylgold(III) complexes D. Fan, E. Meléndez, J.D. Ranford, P.F. Lee, J.J. Vittal	2969
2,2′-Bis((di- <i>tert</i> -butylphosphino)methyl)-1,1′-biphenyl (ditbi): a bulky analogue of bisbi. The crystal structure of [Rh ₂ Cl ₂ (1,5-cod) ₂ (μ-ditbi)] L.J. Higham, K. Heslop, P.G. Pringle, A.G. Orpen	2975

Tethered silyl complexes from nucleophilic substitution reactions at the Si–Cl bond of the chloro(diphenyl)silyl ligand in Ru(SiClPh ₂)(κ^2 -S ₂ CNMe ₂)(CO)(PPh ₃) ₂ W.-H. Kwok, G.-L. Lu, C.E.F. Rickard, W.R. Roper, L.J. Wright	2979
Syntheses of a 2,6-bis-(methylphosphohyl)pyridine ligand and its cationic Pd(II) and Ni(II) complexes – application in the palladium-catalyzed synthesis of arylboronic esters M. Melaimi, C. Thoumazet, L. Ricard, P.L. Floch	2988
Purine-based carbenes at rhodium and iridium J. Schütz, W.A. Herrmann	2995
Cyclic dialkylindium amides: new structural information and ultra-purification using inorganic and inorgano–organic layered materials I. Grafova, R. Vivani, A. Grafov, F. Benetollo	3000
Chelate polymers. VI. New copolymers of the some siloxane containing bis(2,4-dihydroxybenzaldehyd-imine)Me ²⁺ with bis(<i>p</i> -carboxyphenyl)diphenylsilane M. Cazacu, M. Marcu, A. Vlad, G.I. Rusu, M. Avadanei	3005
Synthesis and structure of 5,6,7,12-tetrahydrodibenz[c,f][1,5]azabismocines S. Shimada, O. Yamazaki, T. Tanaka, Y. Suzuki, M. Tanaka	3012
Rhodium-carbonyl complexes with a quinoyl functionalized Cp-ligand: synthesis and photochemical activation M. Enders, G. Kohl, H. Pritzkow	3024
A complete series of tricarbonylhalidorhenium(I) complexes (abpy)Re(CO) ₃ (Hal), Hal = F, Cl, Br, I; abpy = 2,2'-azobispyridine: Structures, spectroelectrochemistry and EPR of reduced forms S. Frantz, J. Fiedler, I. Hartenbach, T. Schleid, W. Kaim	3031
The synthesis and catalytic activity of poly(bis(imino)pyridyl) iron(II) metallodendrimer Z.-J. Zheng, J. Chen, Y.-S. Li	3040
Synthesis, reactivity, electrochemical and crystallographic studies of diferrocenoyl diselenide and ferrocenoyl selenides S. Kumar, S.K. Tripathi, H.B. Singh, G. Wolmershäuser	3046
Synthesis and X-ray crystal structure analysis of the first nickel bisoxazoline pincer complex J.S. Fossey, C.J. Richards	3056
Phosphinohydrazines and phosphinohydrazides M(–N(R)–N(R)–PPh ₂) _n of some transition and main group metals: synthesis and characterization Y.V. Fedotova, A.N. Kornev, V.V. Sushev, Y.A. Kursky, T.G. Mushtina, N.P. Makarenko, G.K. Fukin, G.A. Abakumov, L.N. Zakharov, A.L. Rheingold	3060
The synthesis and characterisation of some nickel(0) complexes with π -bonded vinylsilicon ligands; the molecular structure of [Ni{P(C ₆ H ₅) ₃ } ₂ { η^2 -CH ₂ =CHSi(CH ₃) ₃ }] H. Maciejewski, A. Sydor, M. Kubicki	3075
Structure and redox behavior of Ru(II)-diene complexes E. Meléndez, V. López, T. Concolino, A.L. Rheingold	3082
Intramolecular oxidative addition of C–F and C–H bonds to [Pt(dba) ₂]. Crystal structure of [PtCl{Me ₂ NCH ₂ CH ₂ NCH(2,4,5-C ₆ HF ₃)}] M. Crespo, J. Granell, M. Font-Bardía, X. Solans	3088
Lithium and sodium <i>N,N'</i> -di(2,6-dialkylphenyl)formamidinate complexes M.L. Cole, A.J. Davies, C. Jones, P.C. Junk	3093
Note	
Synthesis, characterization and molecular structure of the [(η^6 -C ₆ Me ₆)Ru(μ -N ₃)(N ₃) ₂] complex and its reactions with some monodentate ligands P. Govindaswamy, H.P. Yennawar, M. Rao Kolipara	3108
Issue 20	
Short communication	
Degradation of the ruthenium-based metathesis catalyst [RuCl ₂ (=CHPh)(H ₂ IPr)(PCy ₃)] with primary alcohols D. Banti, J.C. Mol	3113

Regular papers

Syntheses and coordination behaviour of 2-(<i>ortho</i> -phosphinophenyl)-functionalised 1,3-dioxolanes and 1,3-dioxanes towards a [(COD)Rh]-complex fragment – models for immobilised complexes M. Ahlmann, O. Walter	3117
Donor-substituted CpCo-stabilized cyclobutadienes and superphanes D.B. Werz, J.H. Schulte, R. Gleiter, F. Rominger	3132
Zur Elektronenstruktur metallorganischer Komplexe der f-Elemente LIX. Spektrochemische und nephelauxetische Effekte sowie experimentorientierte MO-Schemata (im f-Bereich) pseudo-trigonal-planarer (substituierter) Tris(η^5 -cyclopentadienyl)neodym(III)-Komplexe und eines THF-Monoaddukts S. Jank, H. Reddmann, H.-D. Amberger, C. Apostolidis	3143
4-Chloro-5-methyl-3-diphenylphosphino-1-phenyl-1,2,3,6-tetrahydrophosphinine as a bidentate P-ligand in a <i>cis</i> chelate Pt(II) complex G. Keglevich, M. Sipos, D. Szieberth, G. Petöcz, L. Kollár	3158
Three-coordinate bis(phosphinimino)methanide derivatives of 'open shell' [M(II)] (M = Mn, Fe, Co) transition metals M.S. Hill, P.B. Hitchcock	3163
Ruthenium-catalyzed formal [4 + 2] cycloaddition of alkynes with alkenes: formation of cyclohexenedicarboxylates via isomerization of alkynes and successive Diels–Alder reaction M. Shiotsuki, Y. Ura, T. Ito, K. Wada, T. Kondo, T.-a. Mitsudo	3168
<i>Endo</i> and <i>exo</i> cyclometallated iron carbonyl complexes derived from <i>N</i> -(<i>N'</i> -methyl-2-pyrrolylmethylidene)-2-thienylmethylamine S.-Y. Jin, C.-Y. Wu, C.-S. Lee, A. Datta, W.-S. Hwang	3173
Factors affecting the lability of the σ (M–X) bond in cycloplatinated and cyclopalladated complexes containing [C(sp ² , ferrocene),N,X] [–] or [C(sp ² , phenyl),N,X] [–] (X = S, N) terdentate ligands S. Pérez, C. López, A. Caubet, X. Solans, M. Font-Bardia	3184
Magnesium triflate [Mg(OTf) ₂] a highly stable, non-hygroscopic and a recyclable catalyst for the high yielding preparation of diethyl α -trimethylsilyloxyphosphonates from diethyl α -hydroxyphosphonates by HMDS under solventless conditions H. Firouzabadi, N. Iranpoor, S. Sobhani, S. Ghassamipour	3197
Irreversible cleavage of a carbene–rhodium bond in Rh- <i>N</i> -heterocyclic carbene complexes: implications for catalysis D.P. Allen, C.M. Crudden, L.A. Calhoun, R. Wang	3203
Synthetic, X-ray structural and protonation studies of CpCr(CO) ₂ SPy and CpCr(CO) ₂ SPym (SPy = C ₅ H ₄ NS, SPym = C ₄ H ₃ N ₂ S) V.W.L. Ng, W.K. Leong, L.L. Koh, G.K. Tan, L.Y. Goh	3210
Synthesis, structures and comparative electrochemical study of 2,5-bis(trimethyl-silylethynyl)thiophene coordinated cobalt carbonyl units A. Arnanz, M.-L. Marcos, C. Moreno, D.H. Farrar, A.J. Lough, J.O. Yu, S. Delgado, J. González-Velasco	3218
Cross-conjugated 3-ferrocenylmethylidene-2,4-dimethylpenta-1,4-diene in cationic cycloaddition and proton-catalyzed cyclodimerization reactions E.I. Klimova, T.K. Berestneva, J.M.M. Stivalet, R.A. Toscano, C.A. Toledano, M.M. García	3232
Non-covalent assemblies of negatively charged boronated porphyrins with different cationic moieties A.R. Genady, M.E. El-Zaria, D. Gabel	3242
Syntheses of double- and triple-decker clusters of osmium and cobalt metals linked by cyclotetradeca-1,8-diyne ligands T.-W. Shiue, W.-Y. Yeh, G.-H. Lee, S.-M. Peng	3251
Convenient synthesis of alkoxyhalosilanes from hydrosilanes J. Ohshita, R. Taketsugu, Y. Nakahara, A. Kunai	3258
Reactivity studies of (η^6 -arene)ruthenium dimeric complexes towards pyrazoles: isolation of amidines, bis pyrazoles and chloro bridged pyrazole complexes P. Govindaswamy, Y.A. Mozharivskyj, M.R. Kolipara	3265
Note	
A new heptacoordinated organogermanium compound; trichlorogermyl[tris(2-methoxyphenyl)]methane Y. Takeuchi, Y. Takase	3275

Issue 21

Regular papers

Aromaticity or non aromaticity in germanazenes? Theoretical studies on germanazenes, the <i>N</i> -cyano analogs and their carbodiimide isomers S. Boughdiri, K. Hussein, B. Tangour, M. Dahrouch, M. Rivière-Baudet, J.-C. Barthelat	3279
A higher yielding route to octasilsesquioxane cages using tetrabutylammonium fluoride, Part 2: further synthetic advances, mechanistic investigations and X-ray crystal structure studies into the factors that determine cage geometry in the solid state A.R. Bassindale, H. Chen, Z. Liu, I.A. MacKinnon, D.J. Parker, P.G. Taylor, Y. Yang, M.E. Light, P.N. Horton, M.B. Hursthouse	3287
Tri- <i>n</i> -butyltin carboxylate derivatives of <i>para</i> -substituted phenyl-ethanoic acids: synthesis, characterization and X-ray structure determination L. Angiolini, D. Caretti, L. Mazzocchi, E. Salattelli, C. Femoni	3301
Some ruthenium complexes containing cyanocarbon ligands: syntheses, structures and extent of electronic communication in binuclear systems M.I. Bruce, M.A. Buntine, K. Costuas, B.G. Ellis, J.-F. Halet, P.J. Low, B.W. Skelton, A.H. White	3308
A convenient synthesis of some symmetrical and unsymmetrical diarylmethyl sulfur and selenium compounds: X-ray crystal structure of diphenylmethylseleno-2-propene and bis[<i>p</i> -chlorophenyl(phenyl)methyl] diselenide K.K. Bhasin, N. Singh, R. Kumar, D. Gupta Deepali, S.K. Mehta, T.M. Klapoetke, M.-J. Crawford	3327
Mononuclear and heterodinuclear transition metal complexes of functionalized phosphines S. Priya, M.S. Balakrishna, J.T. Mague	3335
New synthetic route to polyphosphine ligands bearing 1,2,4,5-tetrakis(phosphino)benzene framework: structural characterizations of 1,4-(PPh ₂) ₂ -2,5-(PR ₂) ₂ -C ₆ F ₂ (R = Ph, ^{<i>i</i>} Pr, Et) N. Kongprakaiwoot, R.L. Luck, E. Urnezis	3350
Studies on tetra-amine phthalocyanines B.N. Achar, K.S. Lokesh	3357
Insertion reactions of phenyl isocyanate into hafnium nitrogen bonds: synthesis and reactivity of hafnium complexes bearing substituted pyrrolyl ligands K.-C. Hsieh, W.-Y. Lee, C.-L. Lai, C.-H. Hu, H.M. Lee, J.-H. Huang, S.-M. Peng, G.-H. Lee	3362
Biological aspects of new organotin(IV) compounds of 3-maleimidopropionic acid M.I. Khan, M. Kaleem Baloch, M. Ashfaq	3370
Coupling of propargylsilanes with Fischer carbene chromium complexes: a new synthesis of conjugated dienes P.P. Patel, Y. Zhu, L. Zhang, J.W. Herndon	3379
Synthesis and derivatization, structures and transition metal (Mo(0), Fe(II), Pd(II) and Pt(II)) complexes of phenylaminobis(diphosphonite), PhN{P(OC ₆ H ₄ OMe- <i>o</i>) ₂ } ₂ M.S. Balakrishna, P.P. George, J.T. Mague	3388
Effect of π -accepting substituent on the reactivity and spectroscopic characteristics of triarylbi-muthanes and triarylbi-muth dihalides A.F.M.M. Rahman, T. Murafuji, M. Ishibashi, Y. Miyoshi, Y. Sugihara	3395
Control of symmetry in active cationic <i>ansa</i> -zirconocene species: catalyst preparation, characterization and ethylene–norbornene copolymerization H. Lee, S.-D. Hong, Y.-W. Park, B.-G. Jeong, D.-W. Nam, H.Y. Jung, M.W. Jung, K.H. Song	3402
Triruthenium clusters containing bridging dppm and capping sulfido and selenido ligands: X-ray structures of [Ru ₃ (CO) ₅ (μ_3 -CO)(μ_3 -Se)(μ -dppm)] ₂ , [Ru ₃ (CO) ₆ (μ_3 -CO)(μ_3 -Se)(μ -dppm)(η^1 -Ph ₂ PCH ₂ P(=O)Ph ₂)] and [Ru ₂ (CO) ₄ (μ -SePh) ₂ (μ -dppm)] S.E. Kabir, S.J. Ahmed, M. I. Hyder, M.A. Miah, D.W. Bennett, D.T. Haworth, T.A. Siddiquee, E. Rosenberg	3412
Preparation of lithium stannide mixtures in organic solvents. A alternate source of lithium in organolithium chemistry R.D. Rieke, J.-s. Lee, Y.-S. Kye, G.S. Harbison	3421
Thermally induced dual P–C bond cleavage routes from the imido-capped cluster Ru ₃ (CO) ₇ (μ_3 -CO)(μ_3 -NPh)(bpcd): synthesis, spectroscopic properties, and X-ray diffraction structures of Ru ₃ (CO) ₇ (μ_3 -CO)(μ_3 -NPh)(bpcd), Ru ₃ (CO) ₅ (μ_2 -CO) ₂ (μ_3 -NPh)(μ_2 -PPh ₂)-[μ, η^1, η^1 -C=C(PPh ₂)C(O)CH ₂ C(O)], Ru ₃ (CO) ₆ (μ_2 -CO)(μ_3 -NPh)(μ -PhCO)[μ_2, η^2, η^1 -PPhC=C(PPh ₂)C(O)CH ₂ C(O)], and Ru ₃ (CO) ₉ (μ_3 -NPh)(μ_3 -PPh) S.G. Bott, H. Shen, M.G. Richmond	3426

Syntheses, crystal structures and catalytic properties of a series of lanthanide(III) bis(trimethylsilyl)amide chloride complexes: $[\{((\text{Me}_3\text{Si})_2\text{N})_2\text{Nd}(\mu\text{-Cl})\text{Li}(\text{THF})_3)(\mu\text{-Cl})\}_2]$, $[\{((\text{Me}_3\text{Si})_2\text{N})_2\text{Ln}(\mu\text{-Cl})\text{Li}(\text{THF})_2)(\mu_3\text{-Cl})\}_2]$ (Ln = Eu, Ho), and $[\{((\text{Me}_3\text{Si})_2\text{N})\text{Ln}(\mu\text{-Cl})_2\text{Li}(\text{THF})_2)(\mu\text{-Cl})\}_2]$ (Ln = Nd, Sm, Eu, Ho, Yb) H.-X. Li, Q.-F. Xu, J.-X. Chen, M.-L. Cheng, Y. Zhang, W.-H. Zhang, J.-P. Lang, Q. Shen	3438
Observations on reaction pathways of dicobalt octacarbonyl with alkynyl amines F.-E Hong, Y.-L. Huang, H.-L. Chen	3449
Synthesis, characterization and luminescence study of dimethyl(β -ketoiminato)gallium (-indium) complexes: crystal structure of dimethyl[1-phenyl-3- <i>N</i> -(4-methoxyphenylimino)-1-butanonato]gallium Y. Shen, J. Han, H. Gu, Y. Zhu, Y. Pan	3461
Note	
Dehydrogenative coupling as an efficient route to ferrocene functionalized siloxanes P. Boudjouk, Z.M.H. AL-Badri, B.P.S. Chauhan	3468
Erratum	
Erratum to "[1,1'-Bis(diphenylphosphino) ferrocene]palladium(II) complexes with fluorinated benzenethiolate ligands: examination of the electronic effects in the solid state, solution and in the Pd-catalyzed Heck reaction with the catalytic system $[\text{Pd}(\text{dppf})(\text{SR}_\text{F})_2]$ " [J. Organomet. Chem. 689 (2004) 2464–2472] C. Herra-Álvarez, V. Gómez-Benítez, R. Redón, J.J. García, S. Hernández-Ortega, R.A. Toscano, D. Morales-Morales	3472
Issue 22	
Regular papers	
Electron-transfer-catalyzed ligand substitution of carboxylato niobocene complex induced by electrochemical oxidation L. Salvi, A. Vallat, H. Cattey, Y. Mugnier, A. Antinolo, A. Otero, S. García-Yuste	3473
Preference of di- <i>n</i> -butyltin ^{IV} compounds to build O···Sn bonds in fused rings with five-six members N. Farfán, T. Mancilla, R. Santillan, A. Gutiérrez, L.S. Zamudio-Rivera, H.I. Beltrán	3481
Synthesis and characterization of cyclopentadienyl/alkoxo titanium dichlorides: structural analysis of monocyclopentadienyl titanium dichlorides with ligands derived from menthol and borneol Y. Pérez, S. Morante-Zarcelero, I.d. Hierro, I. Sierra, I. López-Solera, M. Monari, M. Fajardo, A. Otero	3492
Synthesis, structure and benzannulation of chalcogen-tethered Fischer carbene complexes D.K. Sinha-Mahapatra, D. Hazra, V.G. Puranik, A. Sarkar	3501
Carbon–carbon coupling on tetrahedral iridium clusters: X-ray molecular structures and multinuclear NMR studies of the two isomeric forms of $[\text{Ir}_4(\text{CO})_6(\mu_3\text{-}\eta^2\text{-HCCPh})(\mu_2\text{-}\eta^4\text{-C}_4\text{H}_2\text{Ph}_2)(\mu\text{-PPh}_2)_2]$ M. Helena Araujo, M.D. Vargas, A.G. Avent, D. Braga, F. Grepioni	3513
Transition metal carbene chemistry 2: kinetic studies on the nucleophilic substitution reactions of $(\text{CO})_5\text{M}=\text{C}(\text{SCH}_3)\text{CH}_3$ (M = Cr and W) with morpholine in aqueous acetonitrile M. Ali, D. Maiti	3520
SET pathway in tributylstannyl lithium addition to alkynyl Fischer carbene complexes D.K. Sinha-Mahapatra, V.G. Puranik, A. Sarkar	3528
Reactions of ruthenium benzylidenes with H ₂ O to give benzaldehyde and (aqua) ruthenium complex M. Kim, M.-S. Eum, M.Y. Jin, K.-W. Jun, C.W. Lee, K.A. Kuen, C.H. Kim, C.S. Chin	3535
Synthesis and structures of some di- and triferrocenylmethane derivatives J.R.G. Perera, R. Wartchow, H. Butenschön	3541
Synthesis of a tin-functionalized cyclopentadiene derivative J. Christoffers, T. Werner, A. Baro, P. Fischer	3550
Trimethylstannyl (diphenylphosphino)acetate: a source of (diphenylphosphino)acetate ligand in the synthesis of coordination compounds P. Zoufalá, R. Gyepes, P. Štěpnička	3556
Synthesis and examination of amine-cyanocarboxyboranes, the boron analogues of α -cyanocarboxylic acids: X-ray structural study of the first lactam containing a boron atom in the lactam ring B. Györi, I. Lázár, Z. Berente, R. Király, A. Bényei	3567

Bi- and trinuclear oxalamidinate complexes of palladium as catalysts in the copper-free Sonogashira reaction and in the Negishi reaction S. Rau, K. Lamm, H. Görls, J. Schöffel, D. Walther	3582
A facile stereoselective synthesis of (E)- α -silylvinylstannanes via hydromagnesiation of alkynylsilanes M. Cai, W. Hao, H. Zhao, J. Xia	3593
Branched and dendritic metallo-carbosiloxanes with $\text{OCH}_2\text{PPh}_2\text{ML}_n$ end-grafted units grafted units. H. Lang, B. Lühmann, R. Buschbeck	3598
Aziridine-derived iminophosphine ligands in palladium-catalyzed allylic substitution S. Dalili, A. Caiazzo, A.K. Yudin	3604
Helices of ruthenium complexes involving pyridyl–azine ligands: synthesis, spectral and structural aspects S.K. Singh, M. Chandra, D.S. Pandey, M.C. Puerta, P. Valerga	3612
Synthesis of triarylphosphines having <i>para</i> –SH and –SMe groups. Preparation of their complexes and formation of a monolayer on a gold surface F. Ragaini, L. Lunardi, D. Tomasoni, V. Guglielmi	3621
Note	
One-pot synthesis of aryl butyl tellurides from tellurium tetrachloride and activated aromatics through a solventless step R.L.O.R. Cunha, Á.T. Omori, P. Castelani, F.T. Toledo, J.V. Comasseto	3631
Issue 23	
Special Issue: Atom Efficient Organic Syntheses	
Publisher's note	3637
Preface	3639
Papers	
Advances in selective ethylene trimerisation – a critical overview J.T. Dixon, M.J. Green, F.M. Hess, D.H. Morgan	3641
Organometallic chemistry of 15-membered tri-olefinic macrocycles: catalysis by palladium(0) complexes in carbon–carbon bond-forming reactions M. Moreno-Mañas, R. Pleixats, R.M. Sebastián, A. Vallribera, A. Roglans	3669
Selective hydroalkoxycarbonylation of enamides to <i>N</i> -acyl amino acid esters: synthetic applications and theoretical studies S. Klaus, H. Neumann, H. Jiao, A. J. von Wangelin, D. Gördes, D. Strübing, S. Hübner, M. Hateley, C. Weckbecker, K. Huthmacher, T. Riermeier, M. Beller	3685
Nickel-catalyzed acylstannylation and alkynylstannylation of 1,2-dienes Y. Nakao, E. Shirakawa, T. Tsuchimoto, T. Hiyama	3701
General and efficient methodology for the Suzuki–Miyaura reaction in technical grade 2-propanol O. Navarro, Y. Oonishi, R.A. Kelly, E.D. Stevens, O. Briel, S.P. Nolan	3722
Formation of anionic palladium(0) complexes ligated by the trifluoroacetate ion and their reactivity in oxidative addition C. Amatore, A. Jutand, F. Lema, J. Luc Ricard, S. Kozuch, S. Shaik	3728
On the way to chiral epoxidations with methyltrioxorhenium(VII) derived catalysts J.J. Haider, R.M. Kratzer, W.A. Herrmann, J. Zhao, F.E. Kühn	3735
Palladium catalyzed multicomponent reactions in ordered sequence: new syntheses of <i>o,o'</i> -dialkylsubstituted diarylacetylenes and diarylalkylidenehexahydromethanofluorenes E. Motti, M. Rossetti, G. Bocelli, M. Catellani	3741
Chiral bispyridylamide metal complexes as catalysts for the enantioselective addition of TMSCN to aldehydes O. Belda, S. Duquesne, A. Fischer, C. Moberg	3750
Palladium-catalyzed heteroannulation of cyclic alkenes by functionally substituted aryl iodides D.E. Emrich, R.C. Larock	3756

Synthesis of C ₂ -symmetric and unsymmetrically substituted 2,2'-dipyridylamines and crystal structure of a chiral 2,2'-dipyridylamine copper(II) complex C. Bolm, J.-C. Frison, J.L. Paih, C. Moessner, G. Raabe	3767
The Heck reaction under ball-milling conditions E. Tullberg, D. Peters, T. Frejd	3778
Rhodium-catalyzed hydroformylation of C ₆ alkenes and alkene mixtures – a comparative study in homogeneous and aqueous-biphasic media using PPh ₃ , TPPTS and TPPMS ligands P.J. Baricelli, E. Lujano, M. Modroño, A.C. Marrero, Y.M. García, A. Fuentes, R.A. Sánchez-Delgado	3782
Copper-catalyzed dimerization of chromium Fischer carbene complexes: synthesis of dialkoxytrienes and their Nazarov-type cyclization to 2-alkoxy-2-cyclopentenones J. Barluenga, P. Barrio, R. Vicente, L.A. López, M. Tomás	3793
The mechanism for palladium catalyzed carbonylation of cinnamyl chloride R.J. van Haaren, H. Oevering, P.C.J. Kamer, K. Goubitz, J. Fraanje, P.W.N.M. van Leeuwen, G.P.F. van Strijdonck	3800
Efficient synthesis of <i>N</i> -acyl- α -amino acids via polymer incarcerated palladium-catalyzed amidocarbonylation R. Akiyama, T. Sagae, M. Sugiura, S. Kobayashi	3806
Catalytic Sandmeyer cyanation as a synthetic pathway to aryl nitriles I.P. Beletskaya, A.S. Sigeev, A.S. Peregudov, P.V. Petrovskii	3810
A recyclable nanosize aminoarenethiolato copper(I) catalyst for C–C coupling reactions A.M. Arink, R. van de Coevering, B. Wiczorek, J. Firet, J.T.B.H. Jastrzebski, R.J.M. Klein Gebbink, G. van Koten	3813
Rh-catalyzed addition of boronic acids to alkynes for the synthesis of trisubstituted alkenes in a biphasic system - Mechanistic study and recycling of the Rh/ <i>m</i> -TPPTC catalyst E. Genin, V. Michelet, J.-P. Genêt	3820
Pd-catalyzed one-pot coupling of allylamines, activated alkenes, and unsaturated halides (or triflate): an atom efficient synthesis of highly functionalized pyrrolidines L. Martinon, S. Azoulay, N. Monteiro, E.P. Kündig, G. Balme	3831
Oxidative dehydrodimerization of rhenium vinylidene complex (η^5 -C ₅ H ₅)(CO) ₂ Re=C=C(H)Ph: two competitive routes of coupling of σ -phenylethynyl intermediate [$(\eta^5$ -C ₅ H ₅)(CO) ₂ Re–C $\equiv$ CPh] · X-ray structures of rhenium mononuclear (η^5 -C ₅ H ₅)(CO) ₂ Re=C=C(H)Ph and binuclear [$(\eta^5$ -C ₅ H ₅)(CO) ₂ Re] ₂ (μ_2 -C=C(Ph)C $\equiv$ CPh) vinylidene compounds D.A. Valyaev, O.V. Semeikin, M.G. Peterleitner, Y.A. Borisov, V.N. Khrustalev, A.M. Mazhuga, E.V. Kremer, N.A. Ustynyuk ...	3837
Ligand electronic effects in the palladium catalyzed asymmetric allylic alkylation reaction with planar chiral diphosphine-oxazoline ferrocenyl ligands T. Tu, X.-L. Hou, L.-X. Dai	3847

Issue 24

Special Issue: 40th Anniversary Issue Dedicated to Professor Colin Eaborn

Preface	3853
Editorial	3855

Papers

Stable non-N-heterocyclic carbenes (non-NHC): recent progress Y. Canac, M. Soleilhavoup, S. Conejero, G. Bertrand	3857
Some past achievements and future perspectives in main group chemistry A.H. Cowley	3866
Transition metal-mediated routes to cyclopentenones S.E. Gibson, S.E. Lewis, N. Mainolfi	3873
Metal complexes of monocarbon carboranes bearing C-amine or -amino substituents T.D. McGrath, F.G.A. Stone	3891
Some highlights from the development and use of bulky monodentate ligands P.P. Power	3904

Triple-decker transition metal complexes bridged by a single carbocyclic ring V. Beck, D. O'Hare	3920
Organometallic photochemistry at the end of its first century T.E. Bitterwolf	3939
Functional ligands and complexes for new structures, homogeneous catalysts and nanomaterials P. Braunstein	3953
Alkynyl compounds and nonlinear optics M.P. Cifuentes, M.G. Humphrey	3968
Kinetic and mechanistic aspects of metallocene polymerisation catalysts M. Bochmann	3982
A personal account of some dinitrogen and organometallic chemistry research at the University of Sussex G.J. Leigh	3999
Mechanism in homogeneous catalysis; NMR as a prime mover J.M. Brown	4006
Where organometallics and dendrimers merge: the incorporation of organometallic species into dendritic molecules P.A. Chase, R.J.M.K. Gebbink, G. van Koten	4016
Palladacycles in catalysis – a critical survey I.P. Beletskaya, A.V. Cheprakov	4055
Organometallic alkane CH activation R.H. Crabtree	4083
Mechanistic aspects regarding the formation of metal vinylidenes from alkynes and related reactions Y. Wakatsuki	4092
Catalytic significance of organometallic compounds immobilized on mesoporous silica: economically and environmentally important examples J.M. Thomas, R. Raja	4110
Calixarenes as platforms for the construction of multimetallic complexes A.J. Petrella, C.L. Raston	4125
Synthesizing optoelectronic heteroaromatic conjugated polymers by cross-coupling reactions Y.-J. Cheng, T.-Y. Luh	4137
Methyltrioxorhenium and its applications in olefin oxidation, metathesis and aldehyde olefination F.E. Kühn, A. Scherbaum, W.A. Herrmann	4149
Recent developments in the chemistry of stable silylenes N.J. Hill, R. West	4165
Stereoselective conjugate addition reactions of lithium amides to α,β -unsaturated chiral iron acyl complexes $[(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\text{CO})\text{-(PPh}_3\text{)}_2(\text{COCH=CHR})]$ S.G. Davies, J. Dupont, R.J.C. Easton, O. Ichihara, J.M. McKenna, A.D. Smith, J.A.A. de Sousa	4184
Activation of nitrogen for organic synthesis M. Mori	4210
Aryloxide-based multidentate ligands for early transition metals and f-element metals H. Kawaguchi, T. Matsuo	4228
Stabilization of the labile metal configuration in halfsandwich complexes $[\text{CpRh}(\text{PN})\text{Hal}]\text{X}$ H. Brunner, A. Köllnberger, A. Mehmood, T. Tsuno, M. Zabel	4244
Non-Cp type homogeneous catalytic systems for olefin polymerization S. Park, Y. Han, S.K. Kim, J. Lee, H.K. Kim, Y. Do	4263
Role of single-site catalysts in the hydrogenation of thiophenes: from models systems to effective HDS catalysts C. Bianchini, A. Meli, F. Vizza	4277

Open shell organometallics: a general analysis of their electronic structure and reactivity R. Poli	4291
Some selected chapters from the (butadiene)zirconocene story G. Erker, G. Kehr, R. Fröhlich	4305
Functionalization of white phosphorus in the coordination sphere of transition metal complexes M. Peruzzini, R.R. Abdreimova, Y. Budnikova, A. Romerosa, O.J. Scherer, H. Sitzmann	4319
Organoiron activation combined with electron- and proton transfer: implications in biology, organic synthesis, catalysis and nanosciences D. Astruc	4332
Synthesis of the first pentaethynylferrocene derivatives W. Steffen, M. Laskoski, J.G.M. Morton, U.H.F. Bunz	4345
Metal β -diketimines revisited: <i>ansa</i> -CH ₂ -bridged bis(β -diketiminate)s of lithium and aluminium having diverse structures L. Bourget-Merle, P.B. Hitchcock, M.F. Lappert	4357
Fischer–Tropsch, organometallics, and other friends P.M. Maitlis	4366
Luminescent dendrimers as ligands for metal ions P. Ceroni, V. Vicinelli, M. Maestri, V. Balzani, S.-k. Lee, J. van Heyst, M. Gorka, F. Vögtle	4375
Transition metal clusters and supported species with metal–carbon bonds from first-principles quantum chemistry K.M. Neyman, G.N. Vayssilov, N. Rösch	4384
Group 4 metallocene complexes with non-bridged and tetramethyldisiloxane-bridged methyl-phenyl-cyclopentadienyl ligands: synthesis, characterization and olefin polymerization studies G. Martínez, P. Royo, M.E.G. Mosquera	4395
Structural investigations on new iron-acyl derivatives of B(C ₆ F ₅) ₃ G.D.W. Anderson, O.J. Boys, A.R. Cowley, J.C. Green, M.L.H. Green, S.A. Llewellyn, C. Maresca von Beckh, S.I. Pascu, I.C. Veal	4407
Complementary spherical electron density model and its implications for the 18 electron rule D.M.P. Mingos	4420
Nanoporous materials: a good opportunity for nanosciences R. Corriu, A. Mehdi, C. Reyé	4437
Synthesis, characterization, electrochemistry and luminescence studies of heterometallic gold(I)–rhenium(I) alkynyl complexes K.-L. Cheung, S.-K. Yip, V.W.-W. Yam	4451
The fragment bis(acetylacetonato)ruthenium: a meeting-point of coordination and organometallic chemistry M.A. Bennett, M.J. Byrnes, I. Kováčik	4463
Isolable silylene, disilenes, trisilaallene, and related compounds M. Kira	4475
Developments of rare earth metal catalysts for olefin polymerization Y. Nakayama, H. Yasuda	4489
Design of catalytic processes based on studies of elementary processes A. Yamamoto	4499
From mononuclear to multinuclear complexes of palladium containing unsaturated hydrocarbon ligands H. Kurosawa	4511
Bimetallic cluster complexes: synthesis, structures and applications to catalysis R.D. Adams, B. Captain	4521
Ru(η^6 -1,3,5-cyclooctatriene)(η^2 -dimethyl fumarate) ₂ : a novel, versatile zerovalent ruthenium complex with electron-deficient olefinic ligands T.-a. Mitsudo, Y. Ura, T. Kondo	4530
Coordinatively unsaturated organometallic system based on Tp ligand: tetrahedral Tp ^R M–R' and Tp ^R M–M'L _n species M. Akita	4540

Diene complexes of early transition metals: ideas and progresses at Osaka University A. Nakamura, K. Mashima	4552
Novel C–H activation and C–S formation reactions on disulfide and diselenide ligands in dinuclear ruthenium complexes K. Matsumoto, H. Sugiyama	4564
Improving palladium-catalyzed cyanation of aryl halides: development of a state-of-the-art methodology using potassium hexacyanoferrate(II) as cyanating agent T. Schareina, A. Zapf, M. Beller	4576
Diorganotin(IV) derivatives of arylhydroxamic acids: synthesis, properties and antitumor activity Q. Li, M.F.C. Guedes da Silva, Z. Jinghua, A.J.L. Pombeiro	4584
Titanocene – 1,4,6-tris(trimethylsilyl)hex-3-ene-1,5-diyne-3-yl complexes – crystal structures and their retro reaction M. Horáček, I. Čisářová, J. Kubišta, A. Spannenberg, K. Dallmann, U. Rosenthal, K. Mach	4592
Influence of organic ligands on the stabilization of palladium nanoparticles E. Ramirez, S. Jansat, K. Philippot, P. Lecante, M. Gomez, A.M. Masdeu-Bultó, B. Chaudret	4601
The reaction of the group-13 alkyls ER ₃ (E = Al, Ga, In; R = CH ₂ <i>t</i> -Bu, CH ₂ SiMe ₃) with the platinum-complex [(dcpe)Pt(H)(CH ₂ <i>t</i> -Bu)] R.A. Fischer, D. Weiß, M. Winter, I. Müller, H.D. Kaesz, N. Fröhlich, G. Frenking	4611
Synthesis and structure of [Cp ₂ Zr(OPr ^{<i>i</i>})(HOPr ^{<i>i</i>})] ⁺ and its activity in the polymerisation of propene oxide E. Farrow, Y. Sarazin, D.L. Hughes, M. Bochmann	4624
Bucky ferrocene and ruthenocene: serendipity and discoveries E. Nakamura	4630
Stereospecific post-metallocene polymerization catalysts: the example of isospecific styrene polymerization K. Beckerle, C. Capacchione, H. Ebeling, R. Manivannan, R. Mülhaupt, A. Proto, T.P. Spaniol, J. Okuda	4636
Mechanism of the carbopalladation of alkynes by aryl-palladium complexes C. Amatore, S. Bensalem, S. Ghalem, A. Jutand	4642
η ⁴ -Phosphole tricarbonylmanganates: a new type of chelating ligands for transition metals B. Deschamps, L. Ricard, F. Mathey	4647

Issue 25

Special Issue: Second International Symposium on Bio-Organometallic Chemistry – Dedicated to Professor Richard H. Fish on the occasion of his 65th birthday

Publisher's note	4651
Editorial	4653

Review

Bioorganometallic chemistry of molybdocene dichloride J.B. Waern, M.M. Harding	4655
---	------

Regular papers

Changes in the hydrogen bonding pattern in ferrocene peptides F.E. Appoh, T.C. Sutherland, H.-B. Kraatz	4669
Easily synthesized antimalarial ferrocene triazacyclononane quinoline conjugates C. Biot, J. Dessolin, I. Ricard, D. Dive	4678
McMurtry reactions of (η ⁵ -acetylcyclopentadienyl) cobalt-(η ⁴ -tetraphenylcyclobutadiene) with benzophenone: ketone couplings and a pinacol/pinacolone rearrangement Y. Ortin, J. Grealis, C. Scully, H. Müller-Bunz, A.R. Manning, M.J. McGlinchey	4683
Dibutyltin(IV) complexes of the 5-[(<i>E</i>)-2-(Aryl)-1-diazenyl]-2-hydroxybenzoic acid ligand: an investigation of structures by X-ray diffraction, solution and solid state tin NMR, electrospray ionisation MS and assessment of in vitro cytotoxicity T.S.B. Baul, W. Rynjah, R. Willem, M. Biesemans, I. Verbruggen, M. Holèapek, D. de Vos, A. Linden	4691

Synthesis and characterization of tributyltin(IV) complexes of 2-[(<i>E</i>)-2-(3-formyl-4-hydroxyphenyl)-1-diazenyl]benzoic acid and 4-[(<i>E</i>)-1-{2-hydroxy-5-[(<i>E</i>)-2-(2-carboxyphenyl)-1-diazenyl]phenyl}methylideneamino]aryls – crystal structures of polymeric (Bu ₃ Sn-[O ₂ CC ₆ H ₄ {N=N(C ₆ H ₃ -4-OH-5-CHO)}- <i>o</i>)] _n and (Bu ₃ Sn[O ₂ CC ₆ H ₄ {N=N(C ₆ H ₃ -4-OH(C(H)=NC ₆ H ₄ Cl-4))}- <i>o</i>)] _n – toxicity studies on the second instar of <i>Aedes aegypti</i> mosquito larvae T.S. Basu Baul, K.S. Singh, X. Song, A. Zapata, G. Eng, A. Lycka, A. Linden	4702
Organometallic ^{99m} Tc-technetium(I)- and Re-rhenium(I)-folate derivatives for potential use in nuclear medicine C. Müller, C. Dumas, U. Hoffmann, P.A. Schubiger, R. Schibli	4712
Electrochemical gene detection based on supramolecular complex formation by ferrocenyl-β-cyclodextrin and adamantyl-naphthalene diimide bound to double stranded DNA S. Sato, T. Nojima, S. Takenaka	4722
Selective covalent binding of a positively charged water-soluble benzoheterocycle triosmium cluster to single- and double-stranded DNA E. Rosenberg, F. Spada, K. Sugden, B. Martin, R. Gobetto, L. Milone, A. Viale	4729
Cyclopentadienyl tricarbonyl complexes of ^{99m} Tc for the in vivo imaging of the serotonin 5-HT _{1A} receptor in the brain M. Saidi, S. Seifert, M. Kretzschmar, R. Bergmann, H.-J. Pietzsch	4739
The use of 3,3-bis(2-imidazolyl) propionic acid (bip-OH) as a new chelating ligand for Re(CO) ₃ and Ru complexes: Formation of organometallic PNA oligomers with (bip)Re(CO) ₃ and their interaction with complementary DNA R. Hamzavi, T. Happ, K. Weitershaus, N. Metzler-Nolte	4745
Structure and vibrational spectra of <i>fac</i> -Re ^I (CO) ₃ ⁺ complex with <i>N</i> -methyl-2-pyridinecarbothioamide L. Fuks, E. Gniazdowska, J. Mieczkowski, J. Narbutt, W. Starosta, M. Zasepa	4751
“2 + 1” Dithiocarbamate–isocyanide chelating systems for linking M(CO) ₃ ⁺ (M = ^{99m} Tc, Re) fragment to biomolecules N.I. Gorshkov, R. Schibli, A.P. Schubiger, A.A. Lumpov, A.E. Miroslavov, D.N. Suglobov	4757
Rhenium(I)- and technetium(I) tricarbonyl complexes anchored by bifunctional pyrazole-diamine and pyrazole-dithioether chelators R.F. Vitor, S. Alves, J.D.G. Correia, A. Paulo, I. Santos	4764
Preparation and characterization of poly(amidoamine) dendrimers functionalized with a rhenium carbonyl complex and PEG as new IR probes for carbonyl metallo immunoassay J.-M. Heldt, N. Fischer-Durand, M. Salmain, A. Vessièrès, G. Jaouen	4775
Bioorganometallic chemistry: biocatalytic oxidation reactions with biomimetic NAD ⁺ /NADH co-factors and [Cp ⁺ Rh(bpy)H] ⁺ for selective organic synthesis J. Lutz, F. Hollmann, T.V. Ho, A. Schnyder, R.H. Fish, A. Schmid	4783
A new ferrocene conjugate of a tyrosine PNA monomer: synthesis and electrochemical properties C. Baldoli, L. Falcicola, E. Licandro, S. Maiorana, P. Mussini, P. Ramani, C. Rigamonti, G. Zinzalla	4791
Conjugates of vitamin B12 with N _ε -functionalized histidine for labeling with [^{99m} Tc(OH ₂) ₃ (CO) ₃] ⁺ : synthesis and biodistribution studies in tumor bearing mice D.R. van Staveren, R. Waibel, S. Mundwiler, P.A. Schubiger, R. Alberto	4803
Rhenium and technetium tricarbonyl complexes anchored by 5-HT _{1A} receptor-binding ligands containing P,O/N donor atom sets E. Palma, J.D.G. Correia, Á. Domingos, I. Santos, R. Alberto, H. Spies	4811
Cyclometalated <i>N,N</i> -dimethylbenzylamine ruthenium(II) complexes [Ru(C ₆ HR ¹ R ² R ³ - <i>o</i> -CH ₂ NMe ₂)(bpy)(RCN) ₂]PF ₆ for bioapplications: synthesis, characterization, crystal structures, redox properties, and reactivity toward PQQ-dependent glucose dehydrogenase R. Le Lagadec, L. Rubio, L. Alexandrova, R.A. Toscano, E.V. Ivanova, R. Meškys, V. Laurinavičius, M. Pfeffer, A.D. Ryabov ...	4820
Exploring the nitrosyl-approach: “Re(CO) ₂ (NO)”- and “Tc(CO) ₂ (NO)”-complexes provide new pathways for bioorganometallic chemistry D. Rattat, A. Verbruggen, H. Berke, R. Alberto	4833
N-terminus to C-terminus metallacyclicpeptides employing tungsten–alkyne coordination T.P. Curran, R.S.H. Yoon, B.R. Volk	4837
Preparation and characterization of rhenium(I) compounds with amino ester derivatized diimine ligands. Investigations of luminescence. Crystal structures of Re(CO) ₃ Cl(pyca-β-Ala-OEt) and Re(CO) ₃ Cl(pyca-l-Asp(OMe)-OMe) R.S. Herrick, I. Wrona, N. McMicken, G. Jones, C.J. Ziegler, J. Shaw	4848

Ferrocenoyl peptides with sulfur-containing side chains: synthesis, solid state and solution structures

X.d. Hatten, T. Weyhermüller, N. Metzler-Nolte 4856

Notes

Artificial metalloenzymes for enantioselective catalysis: the phenomenon of protein accelerated catalysis

J. Collot, N. Humbert, M. Skander, G. Klein, T.R. Ward 4868

Introduction of a planar chirality onto steroid substrates: synthesis of (*S*) and (*R*)-2'-formylcymantrenyl-17 α -ethynylestradiols using (*S*) and (*R*)-1-formyl-2-iodo-cymantrenes

B. Ferber, S. Top, G. Jaouen 4872

Issue 26

Regular papers

Modulation of SHG responses via supramolecular association/dissociation between two complementary cryptands

P. Mukhopadhyay, P.K. Bharadwaj, A. Krishnan, P.K. Das 4877

Color tunable phosphorescent light-emitting diodes based on iridium complexes with substituted 2-phenylbenzothiozoles as the cyclo-metalated ligands

W.-C. Chang, A.T. Hu, J.-P. Duan, D.K. Rayabarapu, C.-H. Cheng 4882

Regioselective cyclomanganation of Schiff bases. An unexpected effect of chloro substituents

J. Albert, J.M. Cadena, J. Granell, X. Solans, M. Font-Bardia 4889

Organosilicon hypersilylchalcogenolates and related compounds

H. Lange, U. Herzog, H. Borrmann, B. Walfort 4897

Dimeric and trimeric diorganosilicon chalcogenides (PhRSiE)_{2,3} (E = S, Se, Te; R = Ph, Me)

U. Herzog, H. Lange, H. Borrmann, B. Walfort, H. Lang 4909

Note

Preparation and molecular structure of a dinuclear rhodium complex having an unbalanced (15 + 17)-electron count

U. Herber, K. Ilg and, H. Werner 4917

Book review

Biotransformations in organic chemistry

D.W. Young 4921

Author Index of Volume 689 4922

Subject Index of Volume 689 4933

Contents of Volume 689 5001