

Contents of Volume 620

Regular Papers

Synthesis, structure and ethylene polymerization behavior of zirconium complexes with chelating ketoiminate ligands J. Kim, J.-W. Hwang, Y. Kim, M. Hyung Lee, Y. Han, Y. Do	1
Novel structures of cyclometallated complexes of palladium(II) derived from terdentate ligands. Crystal and molecular structure of [Pd{C ₆ H ₄ C(H)=NCH ₂ CH ₂ CH ₂ NMe ₂ } ₃ (X)] (X = Cl, Br, I) A. Fernández, P. Uría, J.J. Fernández, M. López-Torres, A. Suárez, D. Vázquez-García, M ^a .T. Pereira, J.M. Vila	8
Novel cyclopentadienyl silanes and disilanes: synthesis, structure and gas-phase pyrolysis A. Klipp, S.H.A. Petri, B. Neumann, H.-G. Stammler, P. Jutzi	20
Synthesis and characterization of [Cp*Fe-dicyclopenta(a,f)naphthalene-FeCp*] and [Cp*Fe-dicyclopenta(a,f)naphthalene-FeCp*] BF ₄ ⁻ G. Alfonso, I. Chávez, V. Arancibia, J.M. Manríquez, M.T. Garland, A. Roig, E. Molins, R. Fortunato Baggio	32
Syntheses and structures of doubly tucked-in titanocene complexes with tetramethyl(aryl)cyclopentadienyl ligands V. Kupfer, U. Thewalt, I. Tišlerová, P. Štěpnička, R. Gyepes, J. Kubišta, M. Horáček, K. Mach	39
1-Boraadamantane: reactivity towards mono-1-alkynyltin, -germanium and -silicon compounds — synthesis of 4-methylene-3-bora-homoadamantanes B. Wrackmeyer, E.V. Klimkina, Y.N. Bubnov	51
A novel cis-push-pull effect in cycloruthenated azobenzene thiocarbonyl-containing complexes: crystal and molecular structures of [RuX(CS)(η ² -C,N-C ₆ H ₄ N=NPh)(PPh ₃) ₂](X = Cl, I) K.R. Flower, R.G. Pritchard	60
Synthesis and structures of heterobimetallic Ir ₂ M (M=Pd, Pt) sulfido clusters and their catalytic activity for regioselective addition of alcohols to internal 1-aryl-1-alkynes D. Masui, T. Kochi, Z. Tang, Y. Ishii, Y. Mizobe, M. Hidai	69
Silsesquioxane Chemistry, 4. Silsesquioxane Complexes of Titanium(III) and Titanium(IV) F.T. Edlmann, S. Gießmann, A. Fischer	80
Reduction of α,β unsaturated carbonyl compounds by Ni ²⁺ – BH ₄ ⁻ J.G. Handique, A. Purkayashtha, J.B. Baruah	90
Synthèse de 3,5-divinylidènepipéridines N-substituées à partir du 1,7-bis(triméthylsilyl)hepta-2,5-diyne et applications H. Gardès-Gariglio, J. Pornet	94
Reactivity and electronic property of decaphenylmetallocenes of Mo and W atoms C.-I. Li, W.-Y. Yeh, S.-M. Peng, G.-H. Lee.	106
The effect of solubility on the stability of titanium(IV) arene complexes derived from hexasubstituted arenes and TiCl ₄ P. Kiprof, J. Li, C.L. Renish, E.K. Kalombo, V.G. Young Jr.	113
Electron counting and bonding analysis in triruthenium clusters containing sulfoximido ligands: true or false electron-deficient systems? J.-Y. Saillard, S. Kahlal, V. Ferrand, H. Stoeckli-Evans, G. Süß-Fink	119
Reactions of [LiC(SiMe ₂ H) ₃] ₂ ·2THF: Sterically hindered tris(dimethylsilyl)methane derivatives and their hydrosilylation E.J. Hawrelak, D. Sata, F.T. Ladipo	127
Structure of an oxo-bridged germatrane dimer P. Livant, J. Northcott, T.R. Webb.	133

Reactions of silamorpholinones and acylsilamorpholines with electrophilic reagents. X-ray structure of products including a pentacoordinated silicon compound A.G. Shipov, E.P. Kramarova, E.A. Mamaeva, O.A. Zamyshlyayeva, V.V. Negrebetsky, Y.E. Ovchinnikov, S.A. Pogozhikh, A.R. Bassindale, P.G. Taylor, Y.I. Baukov.	139
Migratory insertion and CO substitution reactions of the β,γ -unsaturated esters and amides $[\text{Fe}_2(\text{CO})_5(\mu\text{-PPh}_2)(\mu\text{-}\eta^1:\eta^2\text{-}\{\text{NuC}(\text{O})\text{CH}_2\}\text{C}=\text{CH}_2)]$ (Nu = OMe, OEt, OPr ^t , NPh, NHBu ^t): synthesis and characterisation of acyl-bridged $[\text{Fe}_2(\text{CO})_4\text{L}_2(\mu\text{-PPh}_2)(\mu\text{-C}=\text{O}\{\text{C}=\text{CH}_2\}\text{CH}_2\text{C}(\text{O})\text{Nu})]$ (L ₂ = dpmp, dppe) and alkenyl-bridged $[\text{Fe}_2(\text{CO})_4\{\text{P}(\text{OMe})_3\}_2(\mu\text{-PPh}_2)(\mu\text{-}\eta^1:\eta^2\text{-}\{\text{NuC}(\text{O})\text{CH}_2\}\text{C}=\text{CH}_2)]$ S. Doherty, G. Hogarth, M. Waugh, T.H. Scanlan, M.R.J. Elsegood, W. Clegg.	150
Zwitterionic adducts from addition of imines to the α -carbon atom of pentacarbonyl(vinylidene)chromium and -tungsten complexes H. Fischer, F. Kirchbauer, A. Früh, M.M. Abd-Elzaher, G. Roth, C.C. Karl, M. Dede.	165
Redox potential, ligand and structural effects in rhodium(I) complexes M.F.C. Guedes da Silva, A.M. Trzeciak, J.J. Ziolkowski, A.J.L. Pombeiro.	174
Synthesis and characterisation of four- and eight-membered ring auralactam complexes W. Henderson, B.K. Nicholson, A.G. Oliver.	182
Intermolecular propargyl/allenyl group transfer from Pd(II) to Pt(0) and Pt(II) to Pd(0). Key reaction in metal-catalyzed isomerization between propargyl and allenyl metal complexes S. Ogoshi, T. Nishida, Y. Fukunishi, K. Tsutsumi, H. Kurosawa.	190
Synthesis and spectroscopic studies of diorganotin derivatives with tolfenamic acid. Crystal and molecular structure of the first complex of tolfenamic acid, 1,2:3,4-di- μ_2 -2-[(3-chloro-2-methylphenyl)amino]benzoato- <i>O,O</i> -1,3-bis-2-[(3-chloro-2-methylphenyl)amino]benzoato- <i>O</i> -1,2,4:2,3,4-di- μ_3 -oxo-tetrakis[di- <i>n</i> -butyltin(IV)] D. Kovala-Demertzi, N. Kourkoumelis, A. Koutsodimou, A. Moukarika, E. Horn, E.R.T. Tiekink.	194
Spectroscopy and photochemical reactivity of cyclooctadiene platinum complexes A. Klein, J. van Slageren, S. Zális.	202
1,3 Dichloro- and 1,3 dibromotetra- <i>n</i> -butyldistannoxane mixtures: ligand redistribution and fluxional dynamics in distannoxanes D.L. Tierney, P.J. Moehs, D.L. Hasha.	211
Preparation and electrochemical behaviour of dinuclear platinum complexes containing NCN ligands (NCN = $[\text{C}_6\text{H}_3(\text{Me}_2\text{NCH}_2)_2\text{-2,6}]^-$). The crystal structure of $[\text{C}_6\text{H}_3(\text{Me}_2\text{NCH}_2)_2\text{-1,3-(C}\equiv\text{C)-5}]_2$ S. Back, M. Lutz, A.L. Spek, H. Lang, G. van Koten.	227
Synthesis, characterization and antitumor activity of some arylantimony triphenylgermanylpropionates and crystal structures of $\text{Ph}_3\text{GeCH}(\text{Ph})\text{CH}_2\text{CO}_2\text{SbPh}_4$ and $[\text{Ph}_3\text{GeCH}_2\text{CH}(\text{CH}_3)\text{CO}_2]_2\text{Sb}(4\text{-ClC}_6\text{H}_4)_3$ Y. Ma, J. Li, Z. Xuan, R. Liu.	235
Study on structural properties and solution dynamics of zinc complexes with the (<i>N,N</i> -dimethylaminomethyl)ferrocenyl ligand N. Seidel, K. Jacob, P. Zanella, M. Fontani.	243
Thiocyanato-bridged platinum heterocycles: structure and properties of disc-like metallomesogens B. Bilgin Eran, D. Singer, J. Pickardt, K. Praefcke.	249
Dithioethers as ligands in pentamethylcyclopentadienylrhodium(III) and iridium(III) complexes. Crystal structures of $[(\eta^5\text{-C}_5\text{Me}_5)\text{Rh}]_2\text{-}(\mu\text{-Cl})_2\{\mu\text{-}(\text{MeS})_2\text{CH}_2\}\}(\text{BF}_4)_2\cdot\text{H}_2\text{O}$ and $[(\eta^5\text{-C}_5\text{Me}_5)\text{IrCl}_2\{\eta^1\text{-}(\text{PhS})_2\text{CH}_2\}]$ M. Valderrama, R. Contreras, V. Arancibia, D. Boys.	256
Metallation reactions XXVII. Metallation of (methylthio)anilines M.G. Cabiddu, S. Cabiddu, E. Cadoni, R. Cannas, S. De Montis, C. Fattuoni, S. Melis.	263
Synthesis and crystal structure of the novel trimanganese tetrathiolate incomplete cubane: $[\text{Mo}(\eta^5\text{-C}_5\text{H}_5)_2(\text{H})\text{CO}][\text{Mn}_3(\text{CO})_9(\mu\text{-SC}_6\text{H}_5)_4]$ A.R. Dias, A. Galvão, M.H. Garcia, M.J. Villa de Brito.	276
Reaction of alkynylsilanes with CuCl in polar solvents leading to alkynyl group transfer from Si to Cu Y. Nishihara, M. Takemura, A. Mori, K. Osakada.	282
An examination of the substitution chemistry of di- <i>n</i> -hexyldichlorosilane A.C. Church, J.H. Pawlow, K.B. Wagener.	287

¹¹⁹ Sn-NMR spectroscopic study of the 1,3-dichloro- and 1,3-diacetoxytetra- <i>n</i> -butyldistannoxane binary system D.L. Hasha	296
Mixed metal cluster complexes containing the bis-ferrocenylbutadiyne ligand: their structures and electrochemical responses R.D. Adams, B. Qu	303
Note	
Electronic properties of the trimethylenemethaneiron tricarbonyl group T. Moore, C. Kiely, P.C. Reeves	308
Book Review	313
Erratum	314
Author index of Volume 620	315
Subject index of Volume 620	317
Contents of Volume 620	323