



ELSEVIER

Subject Index of Volume 540

Alkenes

Nickel-promoted coupling of orthomanganated aryl ketones with alkenes as a route to indanols (W.J. Grigsby, L. Main and B.K. Nicholson), 185

Alkylidene clusters

Synthesis and structural characterisation of a novel tris-methylene bridged compound $(NO)_4Fe_2Se(\mu\text{-CH}_2)_3$ (P. Mathur, B. Manimaran, Md. Munkir Hossain, A.L. Rheingold, L.M. Liable-Sands and G.P.A. Yap), 165

Alkynes

Reactivity of a two heteroatom stabilized anionic chromium (0) carbene complex towards a mono- and a disubstituted alkyne: new synthesis of γ -aminobutenolides and formation of a novel oligomer chromium (0) complex (C. Alvarez-Toledano, O. Baldovino, G. Espinoza, R.A. Toscano, R. Gutiérrez-Pérez and O. García-Melado), 41

Allylbutyltin dichloride

Allylstannation of α -, β - and γ -diketones mediated by allylbutyltin halides: $Bu_2(CH_2=CHCH_2)SnCl$ and $Bu(CH_2=CHCH_2)SnCl_2$ (D. Marton, D. Stivanello and G. Tagliavini), 77

Allyldibutyltin chloride

Allylstannation of α -, β - and γ -diketones mediated by allyldibutyltin halides: $Bu_2(CH_2=CHCH_2)SnCl$ and $Bu(CH_2=CHCH_2)SnCl_2$ (D. Marton, D. Stivanello and G. Tagliavini), 77

Allylstannation

Allylstannation of α -, β - and γ -diketones mediated by allylbutyltin halides: $Bu_2(CH_2=CHCH_2)SnCl$ and $Bu(CH_2=CHCH_2)SnCl_2$ (D. Marton, D. Stivanello and G. Tagliavini), 77

Aluminum

Dimethylaluminum and gallium amino alkoxides (K.-H. Thiele, E. Hecht, T. Gelbrich and U. Dümlichen), 89

Aluminum

Aluminum complexes of sterically hindered tetradeятate Schiff bases: synthesis, structure, and reactivity toward ϵ -caprolactone (I. Taden, H.-C. Kang, W. Massa and J. Okuda), 189

Amino alkoxide

Dimethylaluminum and gallium amino alkoxides (K.-H. Thiele, E. Hecht, T. Gelbrich and U. Dümlichen), 89

γ -Aminobutenolides

Reactivity of a two heteroatom stabilized anionic chromium (0) carbene complex towards a mono- and a disubstituted alkyne: new synthesis of γ -aminobutenolides and formation of a novel oligomer chromium (0) complex (C. Alvarez-Toledano, O. Baldovino, G. Espinoza, R.A. Toscano, R. Gutiérrez-Pérez and O. García-Melado), 41

Anionic carbene

Reactivity of a two heteroatom stabilized anionic chromium (0) carbene complex towards a mono- and a disubstituted alkyne: new synthesis of γ -aminobutenolides and formation of a novel oligomer chromium (0) complex (C. Alvarez-Toledano, O. Baldovino, G.

Espinoza, R.A. Toscano, R. Gutiérrez-Pérez and O. García-Melado), 41

Aryl ketones

Nickel-promoted coupling of orthomanganated aryl ketones with alkenes as a route to indanols (W.J. Grigsby, L. Main and B.K. Nicholson), 185

Asymmetric hydroformylation

Synthesis of Pt compounds containing chiral (2S,4S)-pentane-2,4-diyli-bis(5H-dibenzo[b]phosphindole) as ligand and their use in asymmetric hydroformylation of styrene derivatives (I. Tóth, C.J. Elsevier, J.G. De Vries, J. Bakos, W.J.J. Smeets and A.L. Spek), 15

Azaferrocene

^{57}Fe Mössbauer spectroscopic studies on $M(\text{CO})_5$ (azaferrocene) complexes ($M = \text{Cr, Mo, W}$). The crystal structures of $W(\text{CO})_5$ (azaferrocene) and $W(\text{CO})_5$ (2,5-dimethylazaferrocene) (J. Silver, J. Zakrzewski, A. Tosik and M. Bukowska-Strzyzewska), 169

Benzotriazole

Studies of *N*-heterocyclic compounds with triosmium clusters: formation of the heterocyclic-linked dicluster compound $[\text{Os}_6(\mu\text{-H})_2(\mu_3\text{-C}_6\text{H}_4\text{N}_3)_2(\text{CO})_{18}]$ (A.J. Deeming, C. Whittaker, A.J. Arce and Y. De Sanctis), 67

Bis(trimethylsilyl)bis(trimethylstannyli)-2-phospha-2-tetrazene

Synthesis and characterization of sodium bis(trimethylstannyli)amide and bis(trimethylsilyl)bis(trimethylstannyli)-phospha-tetrazene (S.K. Vasisth, T.P. Kaur, J. Kaushal and S. Dixit), 51

Carbon–hydrogen bond activation

Studies of *N*-heterocyclic compounds with triosmium clusters: formation of the heterocyclic-linked dicluster compound $[\text{Os}_6(\mu\text{-H})_2(\mu_3\text{-C}_6\text{H}_4\text{N}_3)_2(\text{CO})_{18}]$ (A.J. Deeming, C. Whittaker, A.J. Arce and Y. De Sanctis), 67

Carbonyl

Mixed-metal cluster chemistry VI: phosphine substitution at $\text{CpMoIr}_3(\mu\text{-CO})_3(\text{CO})_8$; X-ray crystal structure of $\text{CpMoIr}_3(\mu\text{-CO})_3(\text{CO})_7(\text{PPh}_3)$ (N.T. Lucas, I.R. Whittall, M.G. Humphrey, D.C.R. Hockless, M.P.S. Perera and M.L. Williams), 147

Chalcogen

Synthesis and structural characterisation of a novel tris-methylene bridged compound $(NO)_4Fe_2Se(\mu\text{-CH}_2)_3$ (P. Mathur, B. Manimaran, Md. Munkir Hossain, A.L. Rheingold, L.M. Liable-Sands and G.P.A. Yap), 165

Characterization

Synthesis and characterization of sodium bis(trimethylstannyli)amide and bis(trimethylsilyl)bis(trimethylstannyli)-phospha-tetrazene (S.K. Vasisth, T.P. Kaur, J. Kaushal and S. Dixit), 51

Chiral aluminum complex

Aluminum complexes of sterically hindered tetradentate Schiff bases: synthesis, structure, and reactivity toward ε -caprolactone (I. Taden, H.-C. Kang, W. Massa and J. Okuda), 189

Chirality

Dimethylaluminum and gallium amino alkoxides (K.-H. Thiele, E. Hecht, T. Gelbrich and U. Dümichen), 89

Chromium

Reactivity of a two heteroatom stabilized anionic chromium (0) carbene complex towards a mono- and a disubstituted alkyne: new synthesis of γ -aminobutenolides and formation of a novel oligomer chromium (0) complex (C. Alvarez-Toledano, O. Baldovino, G. Espinoza, R.A. Toscano, R. Gutiérrez-Pérez and O. García-Mellado), 41

Cluster

Mixed-metal cluster chemistry VI: phosphine substitution at $\text{CpMoIr}_3(\mu\text{-CO})_3(\text{CO})_8$; X-ray crystal structure of $\text{CpMoIr}_3(\mu\text{-CO})_3(\text{CO})_7(\text{PPh}_3)$ (N.T. Lucas, I.R. Whittall, M.G. Humphrey, D.C.R. Hockless, M.P.S. Perera and M.L. Williams), 147

Clusters

Studies of *N*-heterocyclic compounds with triosmium clusters: formation of the heterocyclic-linked dicluster compound $[\text{Os}_6(\mu\text{-H})_2(\mu_3\text{-C}_6\text{H}_4\text{N}_3)_2(\text{CO})_{18}]$ (A.J. Deeming, C. Whittaker, A.J. Arce and Y. De Sanctis), 67

CO insertion

Equilibrium constants and kinetics of carbon monoxide insertion in alkyl complexes of ruthenium(II) (G. Bellachioma, G. Cardaci, A. Macchioni and G. Reichenbach), 7

Crystal structure

^{57}Fe Mössbauer spectroscopic studies on $\text{M}(\text{CO})_n$ (azaferrocene) complexes ($\text{M} = \text{Cr, Mo, W}$). The crystal structures of $\text{W}(\text{CO})_5$ (azaferrocene) and $\text{W}(\text{CO})_5$ (2,5-dimethylazaferrocene) (J. Silver, J. Zakrzewski, A. Tosik and M. Bukowska-Strzyżewska), 169

Mixed-metal cluster chemistry VI: phosphine substitution at $\text{CpMoIr}_3(\mu\text{-CO})_3(\text{CO})_8$; X-ray crystal structure of $\text{CpMoIr}_3(\mu\text{-CO})_3(\text{CO})_7(\text{PPh}_3)$ (N.T. Lucas, I.R. Whittall, M.G. Humphrey, D.C.R. Hockless, M.P.S. Perera and M.L. Williams), 147

Synthesis of tetramethyldisilane-bridged bis(1-indenyl) tetracarbonyl di-iron: a novel thermal rearrangement reaction between the Si–Si and Fe–Fe bonds (B.-Q. Wang, S.-S. Xu and X.-Z. Zhou), 101

Cyclopentadienyl

Mixed-metal cluster chemistry VI: phosphine substitution at $\text{CpMoIr}_3(\mu\text{-CO})_3(\text{CO})_8$; X-ray crystal structure of $\text{CpMoIr}_3(\mu\text{-CO})_3(\text{CO})_7(\text{PPh}_3)$ (N.T. Lucas, I.R. Whittall, M.G. Humphrey, D.C.R. Hockless, M.P.S. Perera and M.L. Williams), 147

Dibenzophospholes

Synthesis of Pt compounds containing chiral (2*S,4S*)-pentane-2,4-diyli-bis(5*H*-dibenzo[b]phosphindole) as ligand and their use in asymmetric hydroformylation of styrene derivatives (I. Tóth, C.J. Elsevier, J.G. De Vries, J. Bakos, W.J.J. Smets and A.L. Spek), 15

Diketones

Allylstannation of α -, β - and γ -diketones mediated by allylbutyltin halides: $\text{Bu}_2(\text{CH}_2=\text{CHCH}_2)\text{SnCl}$ and $\text{Bu}(\text{CH}_2=\text{CHCH}_2)\text{SnCl}_2$ (D. Marton, D. Stivanello and G. Tagliavini), 77

Diols

Allylstannation of α -, β - and γ -diketones mediated by allylbutyltin halides: $\text{Bu}_2(\text{CH}_2=\text{CHCH}_2)\text{SnCl}$ and $\text{Bu}(\text{CH}_2=\text{CHCH}_2)\text{SnCl}_2$ (D. Marton, D. Stivanello and G. Tagliavini), 77

Diphenylbutadiene

Diphenylbutadiene-bridged gadolinium complex $[\text{GdCl}_2(\text{THF})_3]_2(\mu\text{-Ph}_2\text{C}_4\text{H}_4)\cdot 3\text{THF}$: the synthesis and crystal structure (N.S. Emelyanova, A.A. Trifonov, L.N. Zakharov, A.F. Shestakov, Yu.T. Struchkov and M.N. Bochkarev), 1

Disilanes

New olefinic functionalized disilanes. Synthesis and NMR spectroscopical investigations (K. Trommer, U. Herzog and G. Roewer), 119

Electrocatalysis

(Pentamethylcyclopentadienyl)(polypyridyl) rhodium and iridium complexes as electrocatalysts for the reduction of protons to dihydrogen and the hydrogenation of organics (C. Caix, S. Chardon-Noblat, A. Deronzier, J.-C. Moutet and S. Tingry), 105

Electrochemistry

Functionalized pentamethylferrocenes: synthesis, structure, and electrochemistry (B. Bildstein, A. Hradsky, H. Kopacka, R. Malleier and K.-H. Ongania), 127

Electron-transfer

Paramagnetic ruthenium(III) cyclometallated complex. Synthesis, spectroscopic studies and electron-transfer properties (R. Hariram, B. Kumar Santra and G. Kumar Lahiri), 155

Equilibrium constants

Equilibrium constants and kinetics of carbon monoxide insertion in alkyl complexes of ruthenium(II) (G. Bellachioma, G. Cardaci, A. Macchioni and G. Reichenbach), 7

2-(Ethylphenylphosphino)pyridine

Synthesis of Fe–M complexes ($\text{M} = \text{Mo, Mn, Fe, Co, Ni, Zn, Cd, Hg}$) using *trans*- $\text{Fe}(\text{EtPhPpy})_2(\text{CO})_3$ as an organometallic tridentate ligand. Molecular structures of $(\text{CO})_3\text{Fe}(\mu\text{-EtPhPpy})_2\text{Mo}(\text{CO})_3$ and $(\text{CO})_3\text{Fe}(\mu\text{-EtPhPpy})_2\text{Cd}(\text{SCN})_2$ ($\text{EtPhPpy} = 2$ -(ethylphenylphosphino)pyridine) (S.-M. Kuang, Z.-Z. Zhang, B.-M. Wu and T.C.W. Mak), 55

Fe–Fe bond

Synthesis of tetramethyldisilane-bridged bis(1-indenyl) tetracarbonyl di-iron: a novel thermal rearrangement reaction between the Si–Si and Fe–Fe bonds (B.-Q. Wang, S.-S. Xu and X.-Z. Zhou), 101

Ferrocene

Functionalized pentamethylferrocenes: synthesis, structure, and electrochemistry (B. Bildstein, A. Hradsky, H. Kopacka, R. Malleier and K.-H. Ongania), 127

Ferrocenylanthracene

Ferrocenyl anthracenes: synthesis and molecular structure (I.R. Butler, L.J. Hobson, S.J. Coles, M.B. Hursthouse and K.M. Abdul Malik), 27

Functionalized polypyrrole

(Pentamethylcyclopentadienyl)(polypyridyl) rhodium and iridium complexes as electrocatalysts for the reduction of protons to dihydrogen and the hydrogenation of organics (C. Caix, S. Chardon-Noblat, A. Deronzier, J.-C. Moutet and S. Tingry), 105

Gadolinium

Diphenylbutadiene-bridged gadolinium complex $[\text{GdCl}_2(\text{THF})_3]_2(\mu\text{-Ph}_2\text{C}_4\text{H}_4)\cdot 3\text{THF}$: the synthesis and crystal structure (N.S. Emelyanova, A.A. Trifonov, L.N. Zakharov, A.F. Shestakov, Yu.T. Struchkov and M.N. Bochkarev), 1

Gallium

Dimethylaluminum and gallium amino alkoxides (K.-H. Thiele, E. Hecht, T. Gelbrich and U. Dümichen), 89

Heterodinuclear complex

Synthesis of Fe–M complexes ($\text{M} = \text{Mo, Mn, Fe, Co, Ni, Zn, Cd, Hg}$) using *trans*- $\text{Fe}(\text{EtPhPpy})_2(\text{CO})_3$ as an organometallic tridentate ligand. Molecular structures of $(\text{CO})_3\text{Fe}(\mu\text{-EtPhPpy})_2\text{Mo}(\text{CO})_3$ and $(\text{CO})_3\text{Fe}(\mu\text{-EtPhPpy})_2\text{Cd}(\text{SCN})_2$ ($\text{EtPhPpy} = 2$ -(ethylphenylphosphino)pyridine) (S.-M. Kuang, Z.-Z. Zhang, B.-M. Wu and T.C.W. Mak), 55

Hydrogenation

(Pentamethylcyclopentadienyl)(polypyridyl) rhodium and iridium complexes as electrocatalysts for the reduction of protons to dihydrogen and the hydrogenation of organics (C. Caix, S. Chardon-Noblat, A. Deronzier, J.-C. Moutet and S. Tingry), 105

Hydroxyketones

Allylstannation of α -, β - and γ -diketones mediated by allylbutyltin halides: $Bu_2(CH_2=CHCH_2)SnCl$ and $Bu(CH_2=CHCH_2)SnCl_2$ (D. Marton, D. Stivanello and G. Tagliavini), 77

Ibuprofen

Synthesis of Pt compounds containing chiral (2S,4S)-pentane-2,4-diyli-bis(5H-dibenzo[b]phosphindole) as ligand and their use in asymmetric hydroformylation of styrene derivatives (I. Tóth, C.J. Elsevier, J.G. De Vries, J. Bakos, W.J.J. Smeets and A.L. Spek), 15

Indazole

Studies of N-heterocyclic compounds with triosmium clusters: formation of the heterocyclic-linked dicluster compound $[Os_6(\mu-H)_2(\mu_3-C_6H_4N_3)_2(CO)_{18}]$ (A.J. Deeming, C. Whittaker, A.J. Arce and Y. De Sanctis), 67

Indenyl ligand

Synthesis of tetramethyldisilane-bridged bis(1-indenyl) tetracarbonyl di-iron: a novel thermal rearrangement reaction between the Si-Si and Fe-Fe bonds (B.-Q. Wang, S.-S. Xu and X.-Z. Zhou), 101

Iridium

Mixed-metal cluster chemistry VI: phosphine substitution at $CpMoIr_3(\mu-CO)_3(CO)_8$; X-ray crystal structure of $CpMoIr_3(\mu-CO)_3(CO)_7(PPh_3)$ (N.T. Lucas, I.R. Whittall, M.G. Humphrey, D.C.R. Hockless, M.P.S. Perera and M.L. Williams), 147

Iron

Functionalized pentamethylferrocenes: synthesis, structure, and electrochemistry (B. Bildstein, A. Hradsky, H. Kopacka, R. Malleier and K.-H. Ongania), 127

Synthesis and characterization of new oligosilane derivatives of iron and molybdenum (W. Palitzsch, U. Böhme and G. Roewer), 83

Mechanism

Equilibrium constants and kinetics of carbon monoxide insertion in alkyl complexes of ruthenium(II) (G. Bellachioma, G. Cardaci, A. Macchioni and G. Reichenbach), 7

Metallocycle

Metallocycle synthesis accelerated by high pressure (L.D. Field, A.V. George, T.W. Hambley, P. Turner and B.J. Wallace), 95

Modified electrodes

(Pentamethylcyclopentadienyl)(polypyridyl) rhodium and iridium complexes as electrocatalysts for the reduction of protons to dihydrogen and the hydrogenation of organics (C. Caix, S. Chardon-Noblat, A. Deronzier, J.-C. Moutet and S. Tingry), 105

Molecular structure

Synthesis of Fe-M complexes (M = Mo, Mn, Fe, Co, Ni, Zn, Cd, Hg) using trans-Fe(EtPhPpy)₂(CO)₃ as an organometallic tridentate ligand. Molecular structures of (CO)₃Fe(μ -EtPhPpy)₂-Mo(CO)₃ and (CO)₃Fe(μ -EtPhPpy)₂Cd(SCN)₂ (EtPhPpy = 2-(ethylphenylphosphino)pyridine) (S.-M. Kuang, Z.-Z. Zhang, B.-M. Wu and T.C.W. Mak), 55

Molybdenum

Mixed-metal cluster chemistry VI: phosphine substitution at $CpMoIr_3(\mu-CO)_3(CO)_8$; X-ray crystal structure of $CpMoIr_3(\mu-CO)_3(CO)_7(PPh_3)$ (N.T. Lucas, I.R. Whittall, M.G. Humphrey, D.C.R. Hockless, M.P.S. Perera and M.L. Williams), 147

Synthesis and characterization of new oligosilane derivatives of iron and molybdenum (W. Palitzsch, U. Böhme and G. Roewer), 83

Olefinic functionalized disilanes

New olefinic functionalized disilanes. Synthesis and NMR spectroscopic investigations (K. Trommer, U. Herzog and G. Roewer), 119

Oligosilanes

Synthesis and characterization of new oligosilane derivatives of iron and molybdenum (W. Palitzsch, U. Böhme and G. Roewer), 83

Osmium

Studies of N-heterocyclic compounds with triosmium clusters: formation of the heterocyclic-linked dicluster compound $[Os_6(\mu-H)_2(\mu_3-C_6H_4N_3)_2(CO)_{18}]$ (A.J. Deeming, C. Whittaker, A.J. Arce and Y. De Sanctis), 67

Palladium

Ferrocenyl anthracenes: synthesis and molecular structure (I.R. Butler, L.J. Hobson, S.J. Coles, M.B. Hursthouse and K.M. Abdul Malik), 27

Pentamethylferrocene

Functionalized pentamethylferrocenes: synthesis, structure, and electrochemistry (B. Bildstein, A. Hradsky, H. Kopacka, R. Malleier and K.-H. Ongania), 127

Phosphine

Mixed-metal cluster chemistry VI: phosphine substitution at $CpMoIr_3(\mu-CO)_3(CO)_8$; X-ray crystal structure of $CpMoIr_3(\mu-CO)_3(CO)_7(PPh_3)$ (N.T. Lucas, I.R. Whittall, M.G. Humphrey, D.C.R. Hockless, M.P.S. Perera and M.L. Williams), 147

Platinum

Synthesis of Pt compounds containing chiral (2S,4S)-pentane-2,4-diyli-bis(5H-dibenzo[b]phosphindole) as ligand and their use in asymmetric hydroformylation of styrene derivatives (I. Tóth, C.J. Elsevier, J.G. De Vries, J. Bakos, W.J.J. Smeets and A.L. Spek), 15

Reductive elimination

Reaction of $trans-[Pt(H)_2(PCy_3)_2]$ with C_{60} . Reductive elimination of H_2 and formation of $[Pt(PCy_3)_2(\eta^2-C_{60})]$ (L. Pandolfo and M. Maggini), 61

Rhodium and iridium complexes

(Pentamethylcyclopentadienyl)(polypyridyl) rhodium and iridium complexes as electrocatalysts for the reduction of protons to dihydrogen and the hydrogenation of organics (C. Caix, S. Chardon-Noblat, A. Deronzier, J.-C. Moutet and S. Tingry), 105

Ring-opening polymerization of lactones

Aluminum complexes of sterically hindered tetradeятate Schiff bases: synthesis, structure, and reactivity toward ϵ -caprolactone (I. Taden, H.-C. Kang, W. Massa and J. Okuda), 189

Ruthenium

Paramagnetic ruthenium(III) cyclometallated complex. Synthesis, spectroscopic studies and electron-transfer properties (R. Hariram, B. Kumar Santra and G. Kumar Lahiri), 155

Ruthenium complexes

Equilibrium constants and kinetics of carbon monoxide insertion in alkyl complexes of ruthenium(II) (G. Bellachioma, G. Cardaci, A. Macchioni and G. Reichenbach), 7

Schiff base

Aluminum complexes of sterically hindered tetradeятate Schiff bases: synthesis, structure, and reactivity toward ϵ -caprolactone (I. Taden, H.-C. Kang, W. Massa and J. Okuda), 189

Silicon

Chlor-, Brom- und Iodtrisilane: Synthesen und ^{29}Si -Kernresonanzspektren (K. Hassler and W. Köll), 113

New olefinic functionalized disilanes. Synthesis and NMR spectroscopic investigations (K. Trommer, U. Herzog and G. Roewer), 119

²⁹Si-NMR-spectroscopy

Chlor-, Brom- und Iodtrisilane: Synthesen und ²⁹Si-Kernresonanzspektren (K. Hassler and W. Köll), 113

Sodium bis(trimethylstannyl)amide

Synthesis and characterization of sodium bis(trimethylstannyl)amide and bis(trimethylsilyl)bis(trimethylstannyl)-phospha-tetrazene (S.K. Vasishth, T.P. Kaur, J. Kaushal and S. Dixit), 51

Solvent effect

Influence of the solvent and of the counteranion on the structure of silyl cations stabilized by a terdentate aryldiamine ligand (F. Carré, M. Chauhan, C. Chuit, R.J.P. Corriu and C. Reyé), 175

Stabilized silyl cation

Influence of the solvent and of the counteranion on the structure of silyl cations stabilized by a terdentate aryldiamine ligand (F. Carré, M. Chauhan, C. Chuit, R.J.P. Corriu and C. Reyé), 175

Synthesis

Synthesis and characterization of sodium bis(trimethylstannyl)amide and bis(trimethylsilyl)bis(trimethylstannyl)-phospha-tetrazene (S.K. Vasishth, T.P. Kaur, J. Kaushal and S. Dixit), 51

Terdentate aryldiamine ligand

Influence of the solvent and of the counteranion on the structure of silyl cations stabilized by a terdentate aryldiamine ligand (F. Carré, M. Chauhan, C. Chuit, R.J.P. Corriu and C. Reyé), 175

Tetrachloroethylene

Reaction of *trans*-[Pt(H)₂(PCy₃)₂] with C₆₀. Reductive elimination of H₂ and formation of [Pt(PCy₃)₂(η²-C₆₀)] (L. Pandolfo and M. Maggini), 61

Thermal rearrangement

Synthesis of tetramethyldisilane-bridged bis(1-indenyl) tetracarbonyl di-iron: a novel thermal rearrangement reaction between the Si-Si and Fe-Fe bonds (B.-Q. Wang, S.-S. Xu and X.-Z. Zhou), 101

Transition metals

Metallocycle synthesis accelerated by high pressure (L.D. Field, A.V. George, T.W. Hambley, P. Turner and B.J. Wallace), 95

Transition metal silicon compounds

Synthesis and characterization of new oligosilane derivatives of iron and molybdenum (W. Palitzsch, U. Böhme and G. Roewer), 83

Trisilanes

Chlor-, Brom- und Iodtrisilane: Synthesen und ²⁹Si-Kernresonanzspektren (K. Hassler and W. Köll), 113

X-ray diffraction

Dimethylaluminum and gallium amino alkoxides (K.-H. Thiele, E. Hecht, T. Gelbrich and U. Dümlichen), 89

Diphenylbutadiene-bridged gadolinium complex [GdCl₂(THF)₃]₂(μ-Ph₂C₄H₄)·3THF: the synthesis and crystal structure (N.S. Emelyanova, A.A. Trifonov, L.N. Zakharov, A.F. Shestakov, Yu.T. Struchkov and M.N. Bochkarev), 1

X-ray structure

Functionalized pentamethylferrocenes: synthesis, structure, and electrochemistry (B. Bildstein, A. Hradsky, H. Kopacka, R. Malleier and K.-H. Ongania), 127