

Subject Index of Volume 463

Arsenic

Synthesis and characterization of compounds with a Group 12–Arsenic Bond. The crystal structure of [¹BuZnAs(¹Bu)₂]₂ (T.J. Groshens, K.T. Higa and R.J. Butcher), 97

Barium

Synthese und spekroskopische Charakterisierung von Erdalkalimetall-bis[bis(trimethylsilyl)phosphaniden]—Molekülstrukturen von Ca[P(SiMe₃)₂]₂·2TMTA und Ba[P(SiMe₃)₂]₂·4THF (M. Westerhausen und W. Schwarz), 51

Cadmium

Synthesis and characterization of compounds with a Group 12–Arsenic Bond. The crystal structure of [¹BuZnAs(¹Bu)₂]₂ (T.J. Groshens, K.T. Higa and R.J. Butcher), 97

Calcium

Synthese und spekroskopische Charakterisierung von Erdalkalimetall-bis[bis(trimethylsilyl)phosphaniden]—Molekülstrukturen von Ca[P(SiMe₃)₂]₂·2TMTA und Ba[P(SiMe₃)₂]₂·4THF (M. Westerhausen und W. Schwarz), 51

Chromium

Structure électronique du complexe organométallique binucléaire du biphenyle {(η^6 : η^6 -C₁₂H₁₀)[Cr(CO)₃]₂} et de son dianion {(η^5 : η^5 -C₁₂H₁₀)[Cr(CO)₃]₂}²⁻ (H. Rabaâ, J.-Y. Saillard et A. Le Beuze), 109

Copper

Metallorganische Verbindungen des Kupfers. VI. Die ternären Komplexe der Kupfer(I)-Halogenide mit Triphenylphosphan und 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin im Vergleich (F. Olbrich, U. Behrens, G. Schmidt und E. Weiss), 249

Gallium

Short Ga···H–N distances in gallium amine and amide complexes (D.A. Atwood, V.O. Atwood, D.F. Carriker, A.H. Cowley, F.P. Gabbai, R.A. Jones, M.R. Bond and C.J. Carrano), 29
(Cyclopentadienyl)-Gallium(I)-Verbindungen (D. Loos und H. Schnöckel), 37

Germanium

Zur Reaktivität aminosubstituierter Disilane und Germysilane gegenüber Trifluormethansulfonsäure (W. Uhlig), 73

Iridium

Metallorganische Verbindungen des Iridiums und Rhodiums. XXXI. Heterobimetallische Zweikern-Komplexe durch Addition von Cp(CO)₃MH (M = Mo, W) an Ir(CH₃)(CO)(PPh₃)₂ (L. Dahlenburg, E. Halsch, A. Wolski und M. Moll), 227

Organometallic compounds of iridium and rhodium. XXXII. (Trimethylsilyl)diazomethyl derivatives of [¹BuP(CH₂CH₂CH₂PPh₂)₂]MCl (M = Rh, Ir) (L. Dahlenburg, M. Ernst, M. Dartiguenave and Y. Dartiguenave), C8

Iron

Zu Metall–Metall-Wechselwirkungen in Komplexen eines doppelt Dimethylsilandiyl-verbrückten Dicyclopentadienyl-Liganden (U. Siemeling, P. Jutzi, E. Bill und A.X. Trautwein), 151

Reactions of [Fe₂(CO)₆(μ -CO)(μ -dppm)], with PhC≡CH and the phospha-alkyne, ¹BuC≡P. Crystal and molecular structures of the four diiron complexes [Fe₂(CO)₄(μ -CO)(μ -dppm)₂], [Fe₂(CO)₅(μ -dppm)(μ - η^2 -CHC(CO)Ph)], [Fe₂(CO)₄(μ -CO)(μ -dppm)(μ - η^2 -¹BuCP)], and [Fe₂(CO)₅(μ -dppm)(μ - η^2 -PC(CO)¹Bu)] (P.B. Hitchcock, T.J. Madden and J.F. Nixon), 155

A simple synthesis of metallocene aldehydes from lithiometallocenes and *N,N*-dimethylformamide: ferrocene and ruthenocene aldehydes and 1,1'-dialdehydes (U.T. Mueller-Westerhoff, Z. Yang and G. Ingram), 163

Double cyclopalladation of *N,N,N',N'*-tetramethylferrocene-1,1'-dicarbothioamide (K. Hamamura, M. Kita, M. Nonoyama and J. Fujita), 169

Lithium

The reaction of 1-chloro-2-methyl-1-propenyllithium with a selection of organolithiums. The development and synthetic utility of novel base/nucleophile combinations (D.J. Nelson and A. Nagarajan), 1

Lutetium

Insertion of tellurium(0) into yttrium–carbon bonds (I.P. Beletskaya, A.Z. Voskoboynikov, A.K. Shestakova and H. Schumann), C1

Magnesium

Intra-annular reactions of the (1,3-xylylene)-18-crown-5 system: synthesis and crystal structure of [2-(bromomagnesio)-1,3-xylylene]-18-crown-5, [2-(bromomercurio)-1,3-xylylene]-18-crown-5 and bis[(1,3-xylylene-18-crown-5)-2-yl]mercury (P.R. Markies, A. Vilena, O.S. Akkerman, F. Bickelhaupt, W.J.J. Smeets and A.L. Spek), 7

Influence of the extent of conversion on enantioselectivity in the nickel-catalyzed cross-coupling reaction (A. Indolese and G. Consiglio), 23

Manganese

Dynamic behaviour of octahedral complexes of manganese(I). X-Ray crystal structure of *fac*-[Mn(η^1 -1,8-naphthyridine)- η^2 -1,8-naphthyridine)(CO)₃]ClO₄ · CH₂Cl₂ (M.-J. Bermejo, J.-I. Ruiz, X. Solans and J. Vinaixa), 143

Mercury

Intra-annular reactions of the (1,3-xylylene)-18-crown-5 system: synthesis and crystal structure of [2-(bromomagnesio)-1,3-xylylene]-18-crown-5, [2-(bromomercurio)-1,3-xylylene]-18-crown-5 and bis[1,3-xylylene-18-crown-5-2-yl]mercury (P.R. Markies, A. Villegas, O.S. Akkerman, F. Bickelhaupt, W.J.J. Smeets and A.L. Spek), 7

Synthesis and characterization of compounds with a Group 12-Arsenic Bond. The crystal structure of [¹BuZnAs(¹Bu)₂]₂ (T.J. Groshens, K.T. Higa and R.J. Butcher), 97

Metallocenes

A simple synthesis of metallocene aldehydes from lithiometallocenes and *N,N*-dimethylformamide: ferrocene and ruthenocene aldehydes and 1,1'-dialdehydes (U.T. Mueller-Westerhoff, Z. Yang and G. Ingram), 163

Molybdenum

Das Reaktionsverhalten von Cp₂MoCl₂ gegenüber WF₆ und NOBF₄ – Struktur von [Cp₂MoCl₂][BF₄] (T.M. Klapötke, A. Schulz, T.S. Cameron und P.K. Bakshi), 115

Heterobimetallic Mo–Sn complexes with seven-coordinate molybdenum and five-coordinate tin (M. Cano, M. Panizo, J.A. Campo, J. Tornero und N. Menéndez), 121

Seven-coordinate molybdenum complexes containing SnRCl₂ and phosphorodithioate. X-Ray structure of [Mo(CO)₂P(OMe)₃]₂{S₂-P(OEt)₂(SnBuCl₂)} (G. Barrado, D. Miguel, J.A. Pérez-Martínez, V. Riera und S. García-Granda), 127

Metallorganische Verbindungen des Iridiums und Rhodiums. XXXI. Heterobimettallische Zweikern-Komplexe durch Addition von Cp(CO)₃MH (M = Mo, W) an Ir(CH₃)(CO)(PPh₃)₂ (L. Dahlenburg, E. Halsch, A. Wolski und M. Moll), 227

Nickel

Influence of the extent of conversion on enantioselectivity in the nickel-catalyzed cross-coupling reaction (A. Indolese and G. Consiglio), 23

(η^3 -Allyl)(η^5 -cyclopentadienyl)nickel complexes (S. Pasynkiewicz, A. Pietrzykowski, W. Buchowicz and M. Poptawska), 235

Bis(pentafluorophenyl) derivatives of nickel(II) with anionic bidentate Schiff base ligands (G. Sánchez, J.A. Muñoz, M.J. Vidal, G. García and G. López), 239

Osmium

Synthesis, characterization and electrochemistry of cyclopentadienyl phosphine nitrosyl cyanide complexes of ruthenium(II) and osmium(II). Preparation of the dicyano ruthenium(II) complex, [(η^5 -C₅H₅)Ru(PPh₃)(CN)₂]Na (W.M. Laidlaw and R.G. Denning), 199

Cluster-assisted cyclooligomerization of thietane. A new route to polythioether macrocycles (R.D. Adams, J. Cortopassi and S. Falloon), C5

Palladium

Double cyclopalladation of *N,N,N',N'*-tetramethylferrocene-1,1'-dicarbothioamide (K. Hamamura, M. Kita, M. Nonoyama and J. Fujita), 169

Phosphorus

Synthese und spektroskopische Charakterisierung von Erdalkalimetall-bis[bis(trimethylsilyl)phosphaniden]—Molekülstrukturen von Ca[P(SiMe₃)₂]₂·2TMTA und Ba[P(SiMe₃)₂]₂·4THF (M. Westerhausen und W. Schwarz), 51

Untersuchungen zum elektronischen Einfluß von Organoliganden.

XI. Synthese und Charakterisierung von Organorhodiumbis(dimethylglyoximato)triphenylphosphin-Komplexen (D. Steinborn und M. Ludwig), 65

Reactions of [Fe₂(CO)₆(μ -CO)(μ -dppm)], with PhC≡CH and the phospha-alkyne, ¹BuC≡P. Crystal and molecular structures of the four diiron complexes [Fe₂(CO)₄(μ -CO)(μ -dppm)₂], [Fe₂(CO)₅(μ -dppm)(μ - η^2 -CHC(CO)Ph)], [Fe₂(CO)₄(μ -CO)(μ -dppm)(μ - η^2 -¹BuCP)], and [Fe₂(CO)₅(μ -dppm)(μ - η^2 -PC(CO)¹Bu)] (P.B. Hitchcock, T.J. Madden and J.F. Nixon), 155

Metallorganische Verbindungen des Iridiums und Rhodiums. XXXI.

Heterobimettallische Zweikern-Komplexe durch Addition von Cp(CO)₃MH (M = Mo, W) an Ir(CH₃)(CO)(PPh₃)₂ (L. Dahlenburg, E. Halsch, A. Wolski und M. Moll), 227

Metallorganische Verbindungen des Kupfers. VI. Die ternären Komplexe der Kupfer(I)-Halogenide mit Triphenylphosphan und 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin im Vergleich (F. Olbrich, U. Behrens, G. Schmidt und E. Weiss), 249

Platinum

Simple cycloplatination of triphenylphosphine (C. Scheffknecht, A. Rhomberg, E.P. Müller und P. Peringer), 245

Rhodium

Untersuchungen zum elektronischen Einfluß von Organoliganden.

XI. Synthese und Charakterisierung von Organorhodiumbis(dimethylglyoximato)triphenylphosphin-Komplexen (D. Steinborn und M. Ludwig), 65

Chiral diphospholes III. Improved synthesis and coordination chemistry of (*R,R*)-DIPPOP (J.-J. Brunet, M. Gómez, H. Hajouji and D. Neibecker), 205

Synthesis, characterization and reactivity of [Rh(bpy)(C₂H₄)Cl]. A study on the reaction with C₁ molecules (CH₂O, CO₂) and NaBPh₄ (M. Aresta und E. Quaranta), 215

High-resolution NMR studies of (diphosphine)(diene)rhodium complexes in the solid state (G. Szalontai, J. Bakos, S. Aime und R. Gobetto), 223

Organometallic compounds of iridium and rhodium. XXXII. (Trimethylsilyl)diazomethyl derivatives of [¹BuP(CH₂CH₂CH₂-PPh₂)₂]MCl (M = Rh, Ir) (L. Dahlenburg, M. Ernst, M. Dartiguenave und Y. Dartiguenave), C8

Ruthenium

A simple synthesis of metallocene aldehydes from lithiometallocenes and *N,N*-dimethylformamide: ferrocene and ruthenocene aldehydes and 1,1'-dialdehydes (U.T. Mueller-Westerhoff, Z. Yang und G. Ingram), 163

C–H Bond activation of alkenecarboxylates by ruthenium complexes having triphenylphosphine ligands (S. Komiya, Y. Aoki, Y. Mizuho und N. Oyasato), 179

Ruthenium carbonyl carboxylates with nitrogen-containing ligands. I. Syntheses and characterization of binuclear compounds (P. Frediani, M. Bianchi, A. Salvini, R. Guarducci, L.C. Carluccio, F. Piacenti, S. Ianelli und M. Nardelli), 187

Synthesis, characterization and electrochemistry of cyclopentadienyl phosphine nitrosyl cyanide complexes of ruthenium(II) and osmium(II). Preparation of the dicyano ruthenium(II) complex, [(η^5 -C₅H₅)Ru(PPh₃)(CN)₂]Na (W.M. Laidlaw und R.G. Denning), 199

Silicon

(Cyclopentadienyl)-Gallium(I)-Verbindungen (D. Loos und H. Schnöckel), 37

The structure of 1,1,3,3,5,5-hexaphenyl-1,3,5-trisiloxane-1,5-diol (H. Behbehani, B.J. Brisdon, M.F. Mahon, K.C. Molloy and M. Mazhar), 41

Synthese und Charakterisierung von Poly(dialkylsilylen-co-methylenen) (W. Habel, A. Oelschläger und P. Sartori), 47

Synthese und spektroskopische Charakterisierung von Erdalkalimetall-bis[bis(trimethylsilyl)phosphaniden]—Molekülstrukturen von $\text{Ca}[\text{P}(\text{SiMe}_3)_2]_2 \cdot 2\text{TMTA}$ und $\text{Ba}[\text{P}(\text{SiMe}_3)_2]_2 \cdot 4\text{THF}$ (M. Westerhausen und W. Schwarz), 51

Untersuchungen zum elektronischen Einfluß von Organoliganden. XI. Synthese und Charakterisierung von Organorhodiumbis(dimethylglyoximato)triphenylphosphin-Komplexen (D. Steinborn und M. Ludwig), 65

Zur Reaktivität aminosubstituierter Disilane und Germysilane gegenüber Trifluormethansulfonsäure (W. Uhlig), 73

Zu Metall-Metall-Wechselwirkungen in Komplexen eines doppelt Dimethylsilandiyl-verbrückten Dicyclopentadienyl-Liganden (U. Siemeling, P. Jutzi, E. Bill und A.X. Trautwein), 151

Insertion of tellurium(0) into yttrium–carbon bonds (I.P. Beletskaya, A.Z. Voskoboinikov, A.K. Shestakova and H. Schumann), C1

Organometallic compounds of iridium and rhodium. XXXII. (Trimethylsilyl)diazomethyl derivatives of [$^1\text{BuP}(\text{CH}_2\text{CH}_2\text{CH}_2\text{PPPh}_2)_2\text{MCl}$ ($\text{M} = \text{Rh}, \text{Ir}$) (L. Dahmenburg, M. Ernst, M. Dartiguenave and Y. Dartiguenave), C8

Tellurium

Insertion of tellurium(0) into yttrium–carbon bonds (I.P. Beletskaya, A.Z. Voskoboinikov, A.K. Shestakova and H. Schumann), C1

Tin

Transmetallation reaction of Schiff-base-type arylmercury compounds with metallic tin (K. Ding, Y. Wu, Y. Wang, Y. Zhu and L. Yang), 77

Tin oxide surfaces. XXII. Fourier transform infrared study of the thermal decomposition of organotin-substituted tin(IV) oxide gels (E.N. Clark and P.G. Harrison), 85

Organotin compounds with 1-methyl-2($3H$)-imidazolinethione. The crystal and molecular structure of dichlorobis[1-methyl-2($3H$)-imidazolinethione]diphenyltin(IV) (E. García Martínez, A. Sánchez González, J.S. Casas, J. Sordo, U. Casellato, R. Graziani and U. Russo), 91

Heterobimetallic Mo–Sn complexes with seven-coordinate molybdenum and five-coordinate tin (M. Cano, M. Panizo, J.A. Campo, J. Tornero and N. Menéndez), 121

Seven-coordinate molybdenum complexes containing SnRCl_2 and phosphorodithioate. X-Ray structure of $[\text{Mo}(\text{CO})_2(\text{P}(\text{O}-\text{Me})_3)_3\text{S}_2^- \text{P}(\text{OEt})_2](\text{SnBuCl}_2)$ (G. Barrado, D. Miguel, J.A. Pérez-Martínez, V. Riera and S. García-Granda), 127

Tungsten

Metal-centred C–C coupling of nitriles with 1-azaallyl ligands; synthesis and structure of β -diiminato complexes of tungsten (A.C. Filippou, C. Völkl and R.D. Rogers), 135

Metallorganische Verbindungen des Iridiums und Rhodiums. XXXI. Heterobimetallische Zweikern-Komplexe durch Addition von $\text{Cp}(\text{CO})_3\text{MH}$ ($\text{M} = \text{Mo}, \text{W}$) an $\text{Ir}(\text{CH}_3)(\text{CO})(\text{PPh}_3)_2$ (L. Dahmenburg, E. Halsch, A. Wolski und M. Moll), 227

Phosphine dihalides as reagents for synthesis of tungsten aminomethylidyne complexes (S. Anderson, D.J. Cook and A.F. Hill), C3

Uranium

Preparation and characterization of an (iodobutoxy)hydridotris(3,5-dimethylpyrazol-1-yl)borate]uranium complex (J. Collin, A. Pires de Matos and I. Santos), 103

Yttrium

Insertion of tellurium(0) into yttrium–carbon bonds (I.P. Beletskaya, A.Z. Voskoboinikov, A.K. Shestakova and H. Schumann), C1

Zinc

Synthesis and characterization of compounds with a Group 12–Arsenic Bond. The crystal structure of [$^1\text{BuZnAs}({^1\text{Bu}})_2$] (T.J. Groshens, K.T. Higa and R.J. Butcher), 97

Book reviews

Gmelin Handbook of Inorganic and Organometallic Chemistry, 8th Edition, Osmium Part A/1, Organoosmium Compounds (G.J. Leigh), C11

Gmelin Handbook of Inorganic and Organometallic Chemistry, 8th Edition, Thorium, Thorium Carbides, Supplement Volume C6 (G.J. Leigh), C11

Gmelin Handbook of Inorganic and Organometallic Chemistry, 8th Edition, Molybdenum Supplement Volume B/7, Compounds with S (G.J. Leigh), C11

Supported Reagents. Preparation, Analysis and Applications J.H. Clark, A.P. Kybett and D.J. Macquarrie (R.V. Parish), C12