

Subject Index of Volume 467

- Allyl**
 Synthesis of the complexes $[N(PPh_3)_2][M(CO)_2(\eta^3-C_3H_5)(\eta^6-7,9-C_2B_{10}H_{10}Me_2)]$ ($M = Mo$ or W): crystal structure of $[N(PPh_3)_2][WBr(CO)_3(\eta^6-7,9-C_2B_{10}H_{10}Me_2)]$ (S. Li, D.F. Mullica, E.L. Sappenfield and F.G.A. Stone), 95
- Amide**
 Dialkylamido derivatives of $[(\eta^5-C_5Me_5)TiCl_3]$, $[(\eta^5-C_5Me_5)TiCl_2(\mu-O)]$ and $[(\eta^5-C_5Me_5)TiCl_3(\mu-O)_3]$: X-ray crystal structure of $[(\eta^5-C_5Me_5)Ti(NMe_2)_3]$ (A. Martín, M. Mena, C. Yélamos, R. Serrano and P.R. Raithby), 79
 Polysulfonamide. LII. Darstellung neuer Triorganozinn(IV)-disulfonamide. Festkörperstrukturen von $Ph_3SnN(SO_2Me)_2$, ${}^cHex_3SnN(SO_2Me)_2$ und $Ph_3SnN(SO_2Me)_2 \cdot Ph_3SnOH \cdot 2MeCN$ (A. Blaschette, I. Lange, J. Krahl, D. Koch and P.G. Jones), 169
- Amino acid**
 Preparation and structural characterization of η^5 -pentamethylcyclopentadienylcobalt(III) complexes of α -amino acids with coordinating side chains (W.S. Sheldrick, E. Hauck and S. Korn), 283
- Arene**
 Réactivité d'halogénobenzène tricarbonylchrome vis-à-vis d'anions de sulfones (F. Rose-Munch, R. Khourzom, J.-P. Djukic, A. Perrotey, E. Rose and J. Brocard), 195
 Reactivity of $[(\eta^6\text{-arene})RuCl(\mu-Cl)]_2$ towards some potentially bidentate ligands. Molecular structure of $[(\eta^6\text{-}p\text{-cymene})RuCl(taz)]PF_6$ ($p\text{-cymene} = p\text{-MeC}_6\text{H}_4\text{CH=Me}_2$; $taz = 2,6\text{-dimethyl-5-oxo-3-thioxo-2,3,4,5-tetrahydro-1,2,4-triazine}$) (G. García, I. Solano, G. Sánchez, M.D. Santana, G. López, J. Casabó, E. Molins and C. Miravittles), 119
- Arsole**
 Reaktive Arsen-Heterocyclen. IV. Übergangsmetallkomplexe von 2,3,4,5-Tetramethylarsolen (W.A. Schenk and E. Voß), 67
- Arsolene**
 Reaktive Arsen-Heterocyclen. III. 3-Arsolene: Synthese und Reaktionen am Arsen (W.A. Schenk and E. Voß), 57
- π -Bonding**
 Substituted cyclopentadienyl compounds. III. NMR and molecular orbital study of conformational preferences in some substituted (η^5 -cyclopentadienyl)-rhodium(η^4 -diene) compounds and the crystal structure of (η^5 -methanoylcyclopentadienyl)-(η^4 -2,3-dimethoxybutadiene)rhodium(I) (M. Arthurs, J. Bickerton, G. Kubal, J. O'Sullivan, C. Piper, G. Hogarth and D.A. Morton-Blake), 135
- Boron**
 BN cleavage of the azoniaboratocyclopropane ring by H_2O and by carbonyl and nitrile derivatives: crystal structure of $(CF_3)_2B(OH)CH(SiMe_3)NHMe_2$, $(CF_3)_2BCH(SiMe_3)NMe_2 \cdot CMe_2O$ and $(MeC(O)NH)(CF_3)_2BCH(SiMe_3)NHMe_2$ (A. Anson, D.J. Brauer, H. Bürger, T. Hagen and G. Pawelke), 1
- Bridging ligand**
 Homonuclear dirhenium complex bridged by CO_2 : molecular structure of a rhenium dimer bridged by CO_2 and a rhenium chloride complex (Y.-L. Yang, J.-D. Chen, Y.-C. Lin, M.-C. Cheng and Y. Wang), C6
- Cage compound**
 Synthesis of the complexes $[N(PPh_3)_2][M(CO)_2(\eta^3-C_3H_5)(\eta^6-7,9-C_2B_{10}H_{10}Me_2)]$ ($M = Mo$ or W): crystal structure of $[N(PPh_3)_2][WBr(CO)_3(\eta^6-7,9-C_2B_{10}H_{10}Me_2)]$ (S. Li, D.F. Mullica, E.L. Sappenfield and F.G.A. Stone), 95
- Carbanion**
 Réactivité d'halogénobenzène tricarbonylchrome vis-à-vis d'anions de sulfones (F. Rose-Munch, R. Khourzom, J.-P. Djukic, A. Perrotey, E. Rose and J. Brocard), 195
- Carbon dioxide**
 Homonuclear dirhenium complex bridged by CO_2 : molecular structure of a rhenium dimer bridged by CO_2 and a rhenium chloride complex (Y.-L. Yang, J.-D. Chen, Y.-C. Lin, M.-C. Cheng and Y. Wang), C6
- Carbonyl**
 Cluster chemistry. XC. Some complexes obtained from reactions between $M_3(CO)_{12}$ ($M = Ru$ or Os) or $Ru_3(\mu\text{-dppm})(CO)_{10}$ and 2-substituted triphenylphosphines and related keto-phosphine ligands (C.J. Adams, M.I. Bruce, P.A. Duckworth, P.A. Humphrey, O. Kühl, E.R.T. Tiekink, W.R. Cullen, P. Braunstein, S. Coco Cea, B.W. Skelton and A.H. White), 251
 Crystal and molecular structure of the tris(diphenylacetylene)-molybdenum(0) monocarbonyl $Mo(CO)(PhC\equiv CPh)_3$ (T. Szymańska-Buzar and T. Głowiak), 223
 Molecular structures of $Fe_4(CO)_{10}(\mu-CO)(\mu_4-Se)_2$ and $Fe_3Ru(CO)_{10}(\mu-CO)(\mu_4-Se)_2$ (P. Mathur, Md.M. Hossain and R.S. Rashid), 245
 Reactions of η^2 -(2-acylaryl-C,O)tetracarbonylmanganese(I) complexes with some vinyl sulfur compounds (R.C. Cambie, P.S. Rutledge, D.R. Welch and P.D. Woodgate), 237
 Réactivité d'halogénobenzène tricarbonylchrome vis-à-vis d'anions de sulfones (F. Rose-Munch, R. Khourzom, J.-P. Djukic, A. Perrotey, E. Rose and J. Brocard), 195
- Carborane**
 Synthesis of the complexes $[N(PPh_3)_2][M(CO)_2(\eta^3-C_3H_5)(\eta^6-7,9-C_2B_{10}H_{10}Me_2)]$ ($M = Mo$ or W): crystal structure of $[N(PPh_3)_2][WBr(CO)_3(\eta^6-7,9-C_2B_{10}H_{10}Me_2)]$ (S. Li, D.F. Mullica, E.L. Sappenfield and F.G.A. Stone), 95
- Cerium**
 Syntheses and crystal structures of $(\eta^5-C_5H_5)_3Ln(THF)$ ($Ln = Ce, Er$) (W. Chen, G. Lin, J. Xia, G. Wei, Y. Zhang and Z. Jin), 75
- Chloride**
 Reactions of ring-substituted titanocene dichlorides with thiocyanate ions: Synthesis of new S-bonded thiocyanato titanocene complexes, and crystal structure of $({}^tBu-C_5H_4)_2Ti(NCS)_2$ (I. Jibril, S.T. Abu-Orabi, S.A. Klaib, L. Zsolnai and G. Huttner), 189
- Chlorine**
 Inductive effects on bridging Ga–Cl distances: the molecular structure of the dichloro(methyl)gallium dimer, $[Me_2Cl_2Ga_2(\mu-Cl)_2]$, determined by gas electron diffraction (M.M. Akobiya, V.I. Bregadze, L.M. Golubinskaya, S. Gundersen, A. Haaland, H. Vidar Volden, V.S. Mastryukov and I.F. Shishkov), 161

Chlorocarbosilane

Synthese, Charakterisierung und Folgereaktionen von verzweigten Poly(phenylcarbosilanen) (W. Habel, B. Harnack, C. Nover and P. Sartori), 13

Chromium

Réactivité d'halogénobenzène tricarbonylchrome vis-à-vis d'anions de sulfones (F. Rose-Munch, R. Khourzom, J.-P. Djukic, A. Perrotey, E. Rose and J. Brocard), 195

Some transition metal complexes of $\text{Ph}_2\text{P}(\text{CH}_2)_n\text{P}(\text{O})\text{Ph}_2$ ($n = 1, 2$) and $\text{Ph}_2\text{P}(\text{CH}_2)\text{P}(\text{S})\text{Ph}_2$ (T.C. Blagborough, R. Davis and P. Ivson), 85

Synthesis and structural characterization of metallocarborane sandwich salts with tetrathiafulvalene (tff) $[\text{M}(\text{C}_2\text{B}_9\text{H}_{11})_2][\text{tff}]$ ($\text{M} = \text{Cr, Fe, Ni}$) (J.M. Forward, D.M.P. Mingos, T.E. Müller, D.J. Williams and Y.-K. Yan), 207

Clathrate

Complexes of rhodium and iridium derived from 2,5-bis(pyrazol-1'-yl)-1,4-dihydroxybenzene (P. Cornago, C. Escolástico, M.D. Santa María, R.M. Claramunt, D. Carmona, M. Esteban, L.A. Oro, C. Foces-Foces, A.L. Llamas-Saiz and J. Elguero), 293

Cluster

Molecular structures of $\text{Fe}_4(\text{CO})_{10}(\mu\text{-CO})(\mu_4\text{-Se})_2$ and $\text{Fe}_3\text{Ru}(\text{CO})_{10}(\mu\text{-CO})(\mu_4\text{-Se})_2$ (P. Mathur, Md.M. Hossain and R.S. Rashid), 245

Cobalt

Organometallic thiazenes. Oxidative addition of S_4N_4 to low-valent metals; electrochemistry and ^{15}N NMR of CpCoS_2N_2 and $\text{Cp}^*\text{CoS}_2\text{N}_2$ (R.T. Boéré, B. Klassen and K.H. Moock), 127

Preparation and structural characterization of η^5 -pentamethylcyclopentadienylcobalt(III) complexes of α -amino acids with coordinating side chains (W.S. Sheldrick, E. Hauck and S. Korn), 283

Copper

Siloxane clusters of higher valence transition metals: redox properties (G. Gavioli, M. Borsari, C. Zucchi, G. Pályi, R. Psaro, R. Ugo, O.I. Shchegolikhina and A.A. Zhdanov), 165

Crystal structure

BN cleavage of the azoniaboratacyclopropane ring by H_2O and by carbonyl and nitrile derivatives: crystal structure of $(\text{CF}_3)_2\text{B}(\text{OH})\text{CH}(\text{SiMe}_3)\text{NHMe}_2$, $(\text{CF}_3)_2\text{BCH}(\text{SiMe}_3)\text{NMe}_2\text{CMe}_2\text{O}$ and $(\text{MeCO})\text{NH}(\text{CF}_3)_2\text{BCH}(\text{SiMe}_3)\text{NHMe}_2$ (A. Anson, D.J. Brauer, H. Bürger, T. Hagen and G. Pawelke), 1

Complexes of rhodium and iridium derived from 2,5-bis(pyrazol-1'-yl)-1,4-dihydroxybenzene (P. Cornago, C. Escolástico, M.D. Santa María, R.M. Claramunt, D. Carmona, M. Esteban, L.A. Oro, C. Foces-Foces, A.L. Llamas-Saiz and J. Elguero), 293

Crystal and molecular structure of the tris(diphenylacetylene)molybdenum(0) monocarbonyl $\text{Mo}(\text{CO})(\text{PhC}\equiv\text{CPh})_3$ (T. Szymańska-Buzar and T. Głowiak), 223

Five-coordinate triphenyltin(IV)-sulfur compounds. Crystal structures of the aminoethanethiol and 2-mercaptopyridine-*N*-oxide derivatives (B.D. James, R.J. Magee, W.C. Patalinghug, B.W. Skelton and A.H. White), 51

Polysulfonamide. LII. Darstellung neuer Triorganozinn(IV)-disulfonamide. Festkörperstrukturen von $\text{Ph}_3\text{SnN}(\text{SO}_2\text{Me})_2$, ${}^c\text{Hex}_3\text{SnN}(\text{SO}_2\text{Me})_2$ und $\text{Ph}_3\text{SnN}(\text{SO}_2\text{Me})_2 \cdot \text{Ph}_3\text{SnOH} \cdot 2\text{MeCN}$ (A. Blaschette, I. Lange, J. Krahl, D. Koch and P.G. Jones), 169

Preparation and structural characterization of η^5 -pentamethylcyclopentadienylcobalt(III) complexes of α -amino acids with coordinating side chains (W.S. Sheldrick, E. Hauck and S. Korn), 283

Reactions of ring-substituted titanocene dichlorides with thiocyanate ions: Synthesis of new S-bonded thiocyanato titanocene complexes, and crystal structure of $({}^t\text{Bu-C}_5\text{H}_4)_2\text{Ti}(\text{NCS})_2$ (I. Jibril, S.T. Abu-Orabi, S.A. Klaib, L. Zsolnai and G. Huttner), 189

Substituted cyclopentadienyl compounds. III. NMR and molecular orbital study of conformational preferences in some substituted (η^5 -cyclopentadienyl)-rhodium(η^4 -diene) compounds and the crystal structure of (η^5 -methanoylcyclopentadienyl)-(η^4 -2,3-dimethoxybutadiene)rhodium(I) (M. Arthurs, J. Bickerton, G. Kubal, J. O'Sullivan, C. Piper, G. Hogarth and D.A. Morton-Blake), 135

Substituted cyclopentadienyl compounds. IV. NMR spectra of chloro-substituted (η^5 -cyclopentadienyl)-rhodium(η^4 -diene) compounds and the crystal structure of (η^5 -chlorocyclopentadienyl)(η^4 -2,3-dimethoxybutadiene)rhodium(I) (G. Hogarth, M. Arthurs, J.C. Bickerton, L. Daly, C. Piper, D. Ralfe and D.A. Morton-Blake), 145

Synthesis of the complexes $[\text{N}(\text{PPh}_3)_2][\text{M}(\text{CO})_2(\eta^3\text{-C}_3\text{H}_5)(\eta^6\text{-7,9-C}_2\text{B}_{10}\text{H}_{10}\text{Me}_2)]$ ($\text{M} = \text{Mo}$ or W): crystal structure of $[\text{N}(\text{PPh}_3)_2][\text{WBr}(\text{CO})_3(\eta^6\text{-7,9-C}_2\text{B}_{10}\text{H}_{10}\text{Me}_2)]$ (S. Li, D.F. Mullica, E.L. Sappenfield and F.G.A. Stone), 95

The synthesis and reactions of Mn and Re formyl complexes, *fac*-(P-PM(CO)₃CHO. The X-ray structure of *fac*-(dppp)Mn(CO)₃CH₂OCH₃ (S.K. Mandal, J.A. Krause and M. Orchin), 113

Cyclopentadienyl

Preparation and structural characterization of η^5 -pentamethylcyclopentadienylcobalt(III) complexes of α -amino acids with coordinating side chains (W.S. Sheldrick, E. Hauck and S. Korn), 283

Substituted cyclopentadienyl compounds. III. NMR and molecular orbital study of conformational preferences in some substituted (η^5 -cyclopentadienyl)-rhodium(η^4 -diene) compounds and the crystal structure of (η^5 -methanoylcyclopentadienyl)-(η^4 -2,3-dimethoxybutadiene)rhodium(I) (M. Arthurs, J. Bickerton, G. Kubal, J. O'Sullivan, C. Piper, G. Hogarth and D.A. Morton-Blake), 135

Substituted cyclopentadienyl compounds. IV. NMR spectra of chloro-substituted (η^5 -cyclopentadienyl)-rhodium(η^4 -diene) compounds and the crystal structure of (η^5 -chlorocyclopentadienyl)(η^4 -2,3-dimethoxybutadiene)rhodium(I) (G. Hogarth, M. Arthurs, J.C. Bickerton, L. Daly, C. Piper, D. Ralfe and D.A. Morton-Blake), 145

Digermediene

New digermanes: an attempted synthesis of a digermadiene (M.A. Chaubon-Deredempt, J. Escudie and C. Couret), 37

Digermene

New digermanes: an attempted synthesis of a digermadiene (M.A. Chaubon-Deredempt, J. Escudie and C. Couret), 37

Electrochemistry

Organometallic thiazenes. Oxidative addition of S_4N_4 to low-valent metals; electrochemistry and ^{15}N NMR of CpCoS_2N_2 and $\text{Cp}^*\text{CoS}_2\text{N}_2$ (R.T. Boéré, B. Klassen and K.H. Moock), 127

Electron diffraction

Inductive effects on bridging Ga-Cl distances: the molecular structure of the dichloro(methyl)gallium dimer, $[\text{Me}_2\text{Cl}_2\text{Ga}_2(\mu\text{-Cl})_2]$, determined by gas electron diffraction (M.M. Akobiya, V.I. Bregadze, L.M. Golubinskaya, S. Gundersen, A. Haaland, H. Vidar Volden, V.S. Mastryukov and I.F. Shishkov), 161

Erbium

Syntheses and crystal structures of $(\eta^5\text{-C}_5\text{H}_5)_3\text{Ln}(\text{THF})$ (Ln = Ce, Er) (W. Chen, G. Lin, J. Xia, G. Wei, Y. Zhang and Z. Jin), 75

Extended Hückel calculations

Organometallic thiazenes. Oxidative addition of S_4N_4 to low-valent metals; electrochemistry and ^{15}N NMR of CpCoS_2N_2 and $\text{Cp}^*\text{CoS}_2\text{N}_2$ (R.T. Boéré, B. Klassen and K.H. Moock), 127

Substituted cyclopentadienyl compounds. IV. NMR spectra of chloro-substituted $(\eta^5\text{-cyclopentadienyl})\text{-rhodium}(\eta^4\text{-diene})$ compounds and the crystal structure of $(\eta^5\text{-chlorocyclopentadienyl})(\eta^4\text{-2,3-dimethoxybutadiene})\text{rhodium(I)}$ (G. Hogarth, M. Arthurs, J.C. Bickerton, L. Daly, C. Piper, D. Ralfe and D.A. Morton-Blake), 145

Five-coordinate

Five-coordinate triphenyltin(IV)-sulfur compounds. Crystal structures of the aminoethanethiol and 2-mercaptopyridine-*N*-oxide derivatives (B.D. James, R.J. Magee, W.C. Patalinghug, B.W. Skelton and A.H. White), 51

Formyl

The synthesis and reactions of Mn and Re formyl complexes, *fac*-(P-P)M(CO)₃CHO. The X-ray structure of *fac*-(dppp)Mn(CO)₃CH₂OCH₃ (S.K. Mandal, J.A. Krause and M. Orchin), 113

Functional phosphines

Cluster chemistry. XC. Some complexes obtained from reactions between $\text{M}_3(\text{CO})_{12}$ (M = Ru or Os) or $\text{Ru}_3(\mu\text{-dppm})(\text{CO})_{10}$ and 2-substituted triphenylphosphines and related keto-phosphine ligands (C.J. Adams, M.I. Bruce, P.A. Duckworth, P.A. Humphrey, O. Kühl, E.R.T. Tiekink, W.R. Cullen, P. Braunstein, S. Coco Cea, B.W. Skelton and A.H. White), 251

Gallium

Inductive effects on bridging Ga-Cl distances: the molecular structure of the dichloro(methyl)gallium dimer, $[\text{Me}_2\text{Cl}_2\text{Ga}_2(\mu\text{-Cl})_2]$, determined by gas electron diffraction (M.M. Akobiya, V.I. Bregadze, L.M. Golubinskaya, S. Gundersen, A. Haaland, H. Vidar Volden, V.S. Mastryukov and I.F. Shishkov), 161

Germanium

Synthesis and structure of organosilicon and organogermanium complexes of ytterbium $(\text{Ph}_3\text{E})_2\text{Yb}(\text{THF})_4$ with Yb-Si and Yb-Ge bonds (L.N. Bochkarev, V.M. Makarov, Y.N. Hrzhanovskaya, L.N. Zakharov, G.K. Fukin, A.I. Yanovsky and Y.T. Struchkov), C3

Group 6

Reaktive Arsen-Heterocyclen. III. 3-Arsolene: Synthese und Reaktionen am Arsen (W.A. Schenk and E. Voß), 57

Reaktive Arsen-Heterocyclen. IV. Übergangsmetallkomplexe von 2,3,4,5-Tetramethylarsolen (W.A. Schenk and E. Voß), 67

Heterobimetallics

Heterodinuclear complexes of rhenium and molybdenum with bridging S_2CPR_3 ligands (E.M. López, D. Miguel, J.A. Pérez-Martínez and V. Riera), 231

Hydridocarbosilane

Synthese, Charakterisierung und Folgereaktionen von verzweigten Poly(phenylcarbosilanen) (W. Habel, B. Harnack, C. Nover and P. Sartori), 13

Hydrostannylation

Double stannylation d'un sulfure propargylique par l'hydrure de tributyletain en presence de thiol (M.-P. Lambert, M. Ratier, J.-G. Duboudin and M. Pétraud), 181

INEPT

Double stannylation d'un sulfure propargylique par l'hydrure de tributyletain en presence de thiol (M.-P. Lambert, M. Ratier, J.-G. Duboudin and M. Pétraud), 181

Infrared spectroscopy

Synthese, Schwingungsspektren und Normalkoordinatenanalyse von 1,2-Di-tert-butyltetrahalogendisilanen (B. Reiter and K. Hassler), 21

Iridium

Complexes of rhodium and iridium derived from 2,5-bis(pyrazol-1'-yl)-1,4-dihydroxybenzene (P. Cornago, C. Escolástico, M.D. Santa María, R.M. Claramunt, D. Carmona, M. Esteban, L.A. Oro, C. Foces-Foces, A.L. Llamas-Saiz and J. Elguero), 293

Pyrazolato-iridium(III) complexes (M.P. García, M.A. Esteruelas, M. Martín and L.A. Oro), 151

Iron

Molecular structures of $\text{Fe}_4(\text{CO})_{10}(\mu\text{-CO})(\mu_4\text{-Se})_2$ and $\text{Fe}_3\text{Ru}(\text{CO})_{10}(\mu\text{-CO})(\mu_4\text{-Se})_2$ (P. Mathur, Md.M. Hossain and R.S. Rashid), 245

Synthesis and structural characterization of metallacarborane sandwich salts with tetrathiafulvalene (tff) $[\text{M}(\text{C}_2\text{B}_9\text{H}_{11})_2][\text{tff}]$ (M = Cr, Fe, Ni) (J.M. Forward, D.M.P. Mingos, T.E. Müller, D.J. Williams and Y.-K. Yan), 207

Isocyanide

Synthese und Koordinationschemie tripodaler, aromatischer Triisocyanide (F.E. Hahn and M. Tamm), 103

Magnetic

Synthesis and structural characterization of metallacarborane sandwich salts with tetrathiafulvalene (tff) $[\text{M}(\text{C}_2\text{B}_9\text{H}_{11})_2][\text{tff}]$ (M = Cr, Fe, Ni) (J.M. Forward, D.M.P. Mingos, T.E. Müller, D.J. Williams and Y.-K. Yan), 207

Manganese

Reactions of η^2 -(2-acylaryl-C,O)tetracarbonylmanganese(I) complexes with some vinyl sulfur compounds (R.C. Cambie, P.S. Rutledge, D.R. Welch and P.D. Woodgate), 237

Reaktive Arsen-Heterocyclen. IV. Übergangsmetallkomplexe von 2,3,4,5-Tetramethylarsolen (W.A. Schenk and E. Voß), 67

Siloxane clusters of higher valence transition metals: redox properties (G. Gavioli, M. Borsari, C. Zucchi, G. Pályi, R. Psaro, R. Ugo, O.I. Shchegolikhina and A.A. Zhdanov), 165

Some transition metal complexes of $\text{Ph}_2\text{P}(\text{CH}_2)_n\text{P}(\text{O})\text{Ph}_2$ ($n = 1, 2$) and $\text{Ph}_2\text{P}(\text{CH}_2)\text{P}(\text{S})\text{Ph}_2$ (T.C. Blagborough, R. Davis and P. Ivison), 85

The synthesis and reactions of Mn and Re formyl complexes, *fac*-(P-P)M(CO)₃CHO. The X-ray structure of *fac*-(dppp)Mn(CO)₃CH₂OCH₃ (S.K. Mandal, J.A. Krause and M. Orchin), 113

Metallacarborane

Synthesis and structural characterization of metallacarborane sandwich salts with tetrathiafulvalene (tff) $[\text{M}(\text{C}_2\text{B}_9\text{H}_{11})_2][\text{tff}]$ (M = Cr, Fe, Ni) (J.M. Forward, D.M.P. Mingos, T.E. Müller, D.J. Williams and Y.-K. Yan), 207

Metalocene

Reactions of ring-substituted titanocene dichlorides with thiocyanate ions: Synthesis of new S-bonded thiocyanato titanocene complexes, and crystal structure of $(\text{tBu-C}_5\text{H}_4)_2\text{Ti}(\text{NCS})_2$ (I. Jibril, S.T. Abu-Orabi, S.A. KlaiB, L. Zsolnai and G. Huttner), 189

Molecular orbital calculations

Substituted cyclopentadienyl compounds. III. NMR and molecular orbital study of conformational preferences in some substituted $(\eta^5\text{-cyclopentadienyl})\text{-rhodium}(\eta^4\text{-diene})$ compounds and the crystal structure of $(\eta^5\text{-methanoylcyclopentadienyl})\text{-}$

- (η^4 -2,3-dimethoxybutadiene)rhodium(I) (M. Arthurs, J. Bickerton, G. Kubal, J. O'Sullivan, C. Piper, G. Hogarth and D.A. Morton-Blake), 135
- Molybdenum**
 [CpMo(μ -Se)(μ -SePh)]₂: ein vierfach chalcogenato-verbrückter Dimolybdän-Komplex mit ungewöhnlicher Struktur (H. Rakoczy, M. Schollenberger, B. Nuber and M.L. Ziegler), 217
 Crystal and molecular structure of the tris(diphenylacetylene)molybdenum(0) monocarbonyl Mo(CO)(PhC≡CPh)₃ (T. Szymańska-Buzar and T. Głowiak), 223
 Heterodinuclear complexes of rhenium and molybdenum with bridging S₂CPR₃ ligands (E.M. López, D. Miguel, J.A. Pérez-Martínez and V. Riera), 231
 Some transition metal complexes of Ph₂P(CH₂)_nP(O)Ph₂ (*n* = 1, 2) and Ph₂P(CH₂)P(S)Ph₂ (T.C. Blagborough, R. Davis and P. Ivison), 85
 Synthesis of the complexes [N(PPH₃)₂][M(CO)₂(η^3 -C₃H₅)(η^6 -7,9-C₂B₁₀H₁₀Me₂)] (M = Mo or W): crystal structure of [N(PPH₃)₂][WBr(CO)₃(η^6 -7,9-C₂B₁₀H₁₀Me₂)] (S. Li, D.F. Mullica, E.L. Sappenfield and F.G.A. Stone), 95
- Nickel**
 Siloxane clusters of higher valence transition metals: redox properties (G. Gavioli, M. Borsari, C. Zucchi, G. Pályi, R. Psaro, R. Ugo, O.I. Shchegolikhina and A.A. Zhdanov), 165
 Synthesis and structural characterization of metallacarborane sandwich salts with tetrathiafulvalene (ttf) [M(C₂B₉H₁₁)₂][ttf] (M = Cr, Fe, Ni) (J.M. Forward, D.M.P. Mingos, T.E. Müller, D.J. Williams and Y.-K. Yan), 207
- Nuclear magnetic resonance**
 Complexes of rhodium and iridium derived from 2,5-bis(pyrazol-1'-yl)-1,4-dihydroxybenzene (P. Cornago, C. Escolástico, M.D. Santa María, R.M. Claramunt, D. Carmona, M. Esteban, L.A. Oro, C. Foces-Foces, A.L. Llamas-Saiz and J. Elguero), 293
 Double stannylation d'un sulfure propargylique par l'hydrure de tributyletain en presence de thiol (M.-P. Lambert, M. Ratier, J.-G. Duboudin and M. Pétraud), 181
 Substituted cyclopentadienyl compounds. III. NMR and molecular orbital study of conformational preferences in some substituted (η^5 -cyclopentadienyl)-rhodium(η^4 -diene) compounds and the crystal structure of (η^5 -methanoylcyclopentadienyl)-(η^4 -2,3-dimethoxybutadiene)rhodium(I) (M. Arthurs, J. Bickerton, G. Kubal, J. O'Sullivan, C. Piper, G. Hogarth and D.A. Morton-Blake), 135
 Substituted cyclopentadienyl compounds. IV. NMR spectra of chloro-substituted (η^5 -cyclopentadienyl)-rhodium(η^4 -diene) compounds and the crystal structure of (η^5 -chlorocyclopentadienyl)(η^4 -2,3-dimethoxybutadiene)rhodium(I) (G. Hogarth, M. Arthurs, J.C. Bickerton, L. Daly, C. Piper, D. Ralfe and D.A. Morton-Blake), 145
- Osmium**
 Cluster chemistry. XC. Some complexes obtained from reactions between M₃(CO)₁₂ (M = Ru or Os) or Ru₃(μ -dppm)(CO)₁₀ and 2-substituted triphenylphosphines and related keto-phosphine ligands (C.J. Adams, M.I. Bruce, P.A. Duckworth, P.A. Humphrey, O. Kühl, E.R.T. Tiekink, W.R. Cullen, P. Braunstein, S. Coco Cea, B.W. Skelton and A.H. White), 251
- Oxalate**
 μ -Oxalatobis(tricyclohexyltin), a dinuclear tin compound with isomeric pentacoordinate tin sites (S.W. Ng, V.G.K. Das, S.-L. Li and T.C.W. Mak), 47
- Oxidative addition**
 Organometallic thiazenes. Oxidative addition of S₄N₄ to low-valent metals; electrochemistry and ¹⁵N NMR of CpCoS₂N₂ and Cp*CoS₂N₂ (R.T. Boéré, B. Klassen and K.H. Moock), 127
- Oxide**
 Dialkylamido derivatives of [(η^5 -C₅Me₅)TiCl₃], [(η^5 -C₅Me₅)TiCl₂]₂(μ -O)] and [(η^5 -C₅Me₅)TiCl]₃(μ -O)₃: X-ray crystal structure of [(η^5 -C₅Me₅)Ti(NMe₂)₃] (A. Martín, M. Mena, C. Yélamos, R. Serrano and P.R. Raithby), 79
- Palladium**
 Some transition metal complexes of Ph₂P(CH₂)_nP(O)Ph₂ (*n* = 1, 2) and Ph₂P(CH₂)P(S)Ph₂ (T.C. Blagborough, R. Davis and P. Ivison), 85
- Phenylcarbosilane**
 Synthese, Charakterisierung und Folgereaktionen von verzweigten Poly(phenylcarbosilanen) (W. Habel, B. Harnack, C. Nover and P. Sartori), 13
- Phosphine**
 Some transition metal complexes of Ph₂P(CH₂)_nP(O)Ph₂ (*n* = 1, 2) and Ph₂P(CH₂)P(S)Ph₂ (T.C. Blagborough, R. Davis and P. Ivison), 85
- Phosphorus**
 Reaktive Arsen-Heterocyclus. III. 3-Arsolene: Synthese und Reaktionen am Arsen (W.A. Schenk and E. Voß), 57
 Reaktive Arsen-Heterocyclus. IV. Übergangsmetallkomplexe von 2,3,4,5-Tetramethylarsolen (W.A. Schenk and E. Voß), 67
- Platinum**
 Some transition metal complexes of Ph₂P(CH₂)_nP(O)Ph₂ (*n* = 1, 2) and Ph₂P(CH₂)P(S)Ph₂ (T.C. Blagborough, R. Davis and P. Ivison), 85
- Polymer**
 Synthese, Charakterisierung und Folgereaktionen von verzweigten Poly(phenylcarbosilanen) (W. Habel, B. Harnack, C. Nover and P. Sartori), 13
- Precursor**
 Synthese, Charakterisierung und Folgereaktionen von verzweigten Poly(phenylcarbosilanen) (W. Habel, B. Harnack, C. Nover and P. Sartori), 13
- Propargyl sulfides**
 Double stannylation d'un sulfure propargylique par l'hydrure de tributyletain en presence de thiol (M.-P. Lambert, M. Ratier, J.-G. Duboudin and M. Pétraud), 181
- Pyrazolate**
 Pyrazolato-iridium(III) complexes (M.P. García, M.A. Esteruelas, M. Martín and L.A. Oro), 151
- Pyrazolyl**
 Complexes of rhodium and iridium derived from 2,5-bis(pyrazol-1'-yl)-1,4-dihydroxybenzene (P. Cornago, C. Escolástico, M.D. Santa María, R.M. Claramunt, D. Carmona, M. Esteban, L.A. Oro, C. Foces-Foces, A.L. Llamas-Saiz and J. Elguero), 293
- Raman spectroscopy**
 Synthese, Schwingungsspektren und Normalkoordinatenanalyse von 1,2-Di-tert-butyltetrahalogendisilanen (B. Reiter and K. Hassler), 21
- Rhenium**
 Heterodinuclear complexes of rhenium and molybdenum with bridging S₂CPR₃ ligands (E.M. López, D. Miguel, J.A. Pérez-Martínez and V. Riera), 231
 Homonuclear dirhenium complex bridged by CO₂: molecular structure of a rhenium dimer bridged by CO₂ and a rhenium chloride complex (Y.-L. Yang, J.-D. Chen, Y.-C. Lin, M.-C. Cheng and Y. Wang), C6
 The synthesis and reactions of Mn and Re formyl complexes, *fac*-(P-P)M(CO)₃CHO. The X-ray structure of *fac*-

- (dppp)Mn(CO)₃CH₂OCH₃ (S.K. Mandal, J.A. Krause and M. Orchin), 113
- Rhodium**
- Complexes of rhodium and iridium derived from 2,5-bis(pyrazol-1'-yl)-1,4-dihydroxybenzene (P. Cornago, C. Escolástico, M.D. Santa María, R.M. Claramunt, D. Carmona, M. Esteban, L.A. Oro, C. Foces-Foces, A.L. Llamas-Saiz and J. Elguero), 293
- Pyrazolato-iridium(III) complexes (M.P. García, M.A. Esteruelas, M. Martín and L.A. Oro), 151
- Some transition metal complexes of Ph₂P(CH₂)_nP(O)Ph₂ (*n* = 1, 2) and Ph₂P(CH₂)P(S)Ph₂ (T.C. Blagborough, R. Davis and P. Ivison), 85
- Substituted cyclopentadienyl compounds. III. NMR and molecular orbital study of conformational preferences in some substituted (η^5 -cyclopentadienyl)-rhodium(η^4 -diene) compounds and the crystal structure of (η^5 -methanoylcyclopentadienyl)-(η^4 -2,3-dimethoxybutadiene)rhodium(I) (M. Arthurs, J. Bickerton, G. Kubal, J. O'Sullivan, C. Piper, G. Hogarth and D.A. Morton-Blake), 135
- Substituted cyclopentadienyl compounds. IV. NMR spectra of chloro-substituted (η^5 -cyclopentadienyl)-rhodium(η^4 -diene) compounds and the crystal structure of (η^5 -chlorocyclopentadienyl)(η^4 -2,3-dimethoxybutadiene)rhodium(I) (G. Hogarth, M. Arthurs, J.C. Bickerton, L. Daly, C. Piper, D. Ralfe and D.A. Morton-Blake), 145
- Ruthenium**
- Cluster chemistry. XC. Some complexes obtained from reactions between M₃(CO)₁₂ (M = Ru or Os) or Ru₃(μ -dppm)(CO)₁₀ and 2-substituted triphenylphosphines and related keto-phosphine ligands (C.J. Adams, M.I. Bruce, P.A. Duckworth, P.A. Humphrey, O. Kühl, E.R.T. Tieking, W.R. Cullen, P. Braunstein, S. Coco Cea, B.W. Skelton and A.H. White), 251
- Molecular structures of Fe₄(CO)₁₀(μ -CO)(μ_4 -Se)₂ and Fe₃Ru(CO)₁₀(μ -CO)(μ_4 -Se)₂ (P. Mathur, Md.M. Hossain and R.S. Rashid), 245
- Reactivity of [(η^6 -arene)RuCl(μ -Cl)]₂ towards some potentially bidentate ligands. Molecular structure of [(η^6 -*p*-cymene)RuCl(taz)]PF₆ (*p*-cymene = *p*-MeC₆H₄CH-Me₂; taz = 2,6-dimethyl-5-oxo-3-thioxo-2,3,4,5-tetrahydro-1,2,4-triazine) (G. García, I. Solano, G. Sánchez, M.D. Santana, G. López, J. Casabó, E. Molins and C. Miravittles), 119
- Reaktive Arsen-Heterocyclus. III. 3-Arsolene: Synthese und Reaktionen am Arsen (W.A. Schenk and E. Voß), 57
- Reaktive Arsen-Heterocyclus. IV. Übergangsmetallkomplexe von 2,3,4,5-Tetramethylarsolen (W.A. Schenk and E. Voß), 67
- Selenium**
- [CpMo(μ -Se)(μ -SePh)]₂: ein vierfach chalcogenato-verbrückter Dimolybdän-Komplex mit ungewöhnlicher Struktur (H. Rakoczy, M. Schollenberger, B. Nuber and M.L. Ziegler), 217
- Molecular structures of Fe₄(CO)₁₀(μ -CO)(μ_4 -Se)₂ and Fe₃Ru(CO)₁₀(μ -CO)(μ_4 -Se)₂ (P. Mathur, Md.M. Hossain and R.S. Rashid), 245
- Silane**
- Synthese, Schwingungsspektren und Normalkoordinatenanalyse von 1,2-Di-tert-butyltetrahalogendisilanen (B. Reiter and K. Hassler), 21
- Silicon**
- Synthesis and structure of organosilicon and organogermanium complexes of ytterbium (Ph₃E)₂Yb(THF)₄ with Yb-Si and Yb-Ge bonds (L.N. Bochkarev, V.M. Makarov, Y.N. Hrzhanovskaya, L.N. Zakharov, G.K. Fukin, A.I. Yanovsky and Y.T. Struchkov), C3
- Siloxane**
- Siloxane clusters of higher valence transition metals: redox properties (G. Gavioli, M. Borsari, C. Zucchi, G. Pályi, R. Psaro, R. Ugo, O.I. Shchegolikina and A.A. Zhdanov), 165
- Silyl**
- Zur Synthese und Reaktivität aminofunktioneller Silyltriflate (W. Uhlig and C. Tretner), 31
- Small ring**
- BN cleavage of the azoniaboratocyclopropane ring by H₂O and by carbonyl and nitrile derivatives: crystal structure of (CF₃)₂-B(OH)CH(SiMe₃)NHMe₂, (CF₃)₂BCH(SiMe₃)NMe₂C-Me₂O and (MeCO)NH(CF₃)₂BCH(SiMe₃)NHMe₂ (A. Anson, D.J. Brauer, H. Bürger, T. Hagen and G. Pawelke), 1
- Sodium**
- Siloxane clusters of higher valence transition metals: redox properties (G. Gavioli, M. Borsari, C. Zucchi, G. Pályi, R. Psaro, R. Ugo, O.I. Shchegolikina and A.A. Zhdanov), 165
- Sulfonyl**
- Polysulfonylamine. LII. Darstellung neuer Triorganozinn(IV)-disulfonylamide. Festkörperstrukturen von Ph₃SnN(SO₂Me)₂, ⁶Hex₃SnN(SO₂Me)₂ und Ph₃SnN(SO₂Me)₂ · Ph₃SnOH · 2MeCN (A. Blaschette, I. Lange, J. Krahl, D. Koch and P.G. Jones), 169
- Réactivité d'halogénobenzène tricarbonylchrome vis-à-vis d'anions de sulfones (F. Rose-Munch, R. Khourzom, J.-P. Djukic, A. Perrotey, E. Rose and J. Brocard), 195
- Sulfur**
- Five-coordinate triphenyltin(IV)-sulfur compounds. Crystal structures of the aminoethanethiol and 2-mercaptopyridine-*N*-oxide derivatives (B.D. James, R.J. Magee, W.C. Patalinghug, B.W. Skelton and A.H. White), 51
- Reactions of η^2 -(2-acylaryl-C,O)tetracarbonylmanganese(I) complexes with some vinyl sulfur compounds (R.C. Cambie, P.S. Rutledge, D.R. Welch and P.D. Woodgate), 237
- Tetrathiafulvalene**
- Synthesis and structural characterization of metallacarborane sandwich salts with tetrathiafulvalene (ttf) [M(C₂B₉H₁₁)₂][ttf] (M = Cr, Fe, Ni) (J.M. Forward, D.M.P. Mingos, T.E. Müller, D.J. Williams and Y.-K. Yan), 207
- Thiazene**
- Organometallic thiazenes. Oxidative addition of S₄N₄ to low-valent metals; electrochemistry and ¹³N NMR of CpCoS₂N₂ and Cp*CoS₂N₂ (R.T. Boeré, B. Klassen and K.H. Mook), 127
- Thiocyanate**
- Reactions of ring-substituted titanocene dichlorides with thiocyanate ions: Synthesis of new S-bonded thiocyanato titanocene complexes, and crystal structure of (t-Bu-C₅H₄)₂Ti(NCS)₂ (I. Jibril, S.T. Abu-Orabi, S.A. Klaib, L. Zsolnai and G. Huttner), 189
- Tin**
- Five-coordinate triphenyltin(IV)-sulfur compounds. Crystal structures of the aminoethanethiol and 2-mercaptopyridine-*N*-oxide derivatives (B.D. James, R.J. Magee, W.C. Patalinghug, B.W. Skelton and A.H. White), 51
- μ -Oxalatobis(tricyclohexyltin), a dinuclear tin compound with isomeric pentacoordinate tin sites (S.W. Ng, V.G.K. Das, S.-L. Li and T.C.W. Mak), 47
- Polysulfonylamine. LII. Darstellung neuer Triorganozinn(IV)-disulfonylamide. Festkörperstrukturen von Ph₃SnN(SO₂Me)₂, ⁶Hex₃SnN(SO₂Me)₂ und Ph₃SnN(SO₂Me)₂ · Ph₃SnOH · 2MeCN (A. Blaschette, I. Lange, J. Krahl, D. Koch and P.G. Jones), 169

Titanium

Dialkylamido derivatives of $[(\eta^5\text{-C}_5\text{Me}_5)\text{TiCl}_3]$, $[(\eta^5\text{-C}_5\text{Me}_5)\text{TiCl}_2(\mu\text{-O})]$ and $[(\eta^5\text{-C}_5\text{Me}_5)\text{TiCl}_3(\mu\text{-O})_3]$: X-ray crystal structure of $[(\eta^5\text{-C}_5\text{Me}_5)\text{Ti}(\text{NMe}_2)_3]$ (A. Martín, M. Mena, C. Yélamos, R. Serrano and P.R. Raithby), 79

Reactions of ring-substituted titanocene dichlorides with thiocyanate ions: Synthesis of new S-bonded thiocyanato titanocene complexes, and crystal structure of $(^i\text{Bu-C}_5\text{H}_4)_2\text{Ti}(\text{NCS})_2$ (I. Jibril, S.T. Abu-Orabi, S.A. Klaiab, L. Zsolnai and G. Huttner), 189

Triflate

Zur Synthese und Reaktivität aminofunktioneller Silyltriflate (W. Uhlig and C. Tretner), 31

Trifluoromethyl

BN cleavage of the azonaboratacyclopropane ring by H_2O and by carbonyl and nitrile derivatives: crystal structure of $(\text{CF}_3)_2\text{B}(\text{OH})\text{CH}(\text{SiMe}_3)\text{NHMe}_2$, $(\text{CF}_3)_2\text{BCH}(\text{SiMe}_3)\text{NMe}_2\text{CMe}_2\text{O}$ and $(\text{MeC}(\text{O})\text{NH})(\text{CF}_3)_2\text{BCH}(\text{SiMe}_3)\text{NHMe}_2$ (A. An-sorge, D.J. Brauer, H. Bürger, T. Hagen and G. Pawelke), 1

Tungsten

Synthese und Koordinationschemie tripodaler, aromatischer Trisocyanide (F.E. Hahn and M. Tamm), 103

Synthesis of the complexes $[\text{N}(\text{PPh}_3)_2][\text{M}(\text{CO})_2(\eta^3\text{-C}_3\text{H}_5)(\eta^6\text{-7,9-C}_2\text{B}_{10}\text{H}_{10}\text{Me}_2)]$ (M = Mo or W): crystal structure of $[\text{N}(\text{PPh}_3)_2][\text{WBr}(\text{CO})_3(\eta^6\text{-7,9-C}_2\text{B}_{10}\text{H}_{10}\text{Me}_2)]$ (S. Li, D.F. Mullica, E.L. Sappenfield and F.G.A. Stone), 95

Vinyl

Reactions of η^2 -(2-acylaryl-C,O)tetracarbonylmanganese(I) complexes with some vinyl sulfur compounds (R.C. Cambie, P.S. Rutledge, D.R. Welch and P.D. Woodgate), 237

X-ray diffraction

Homonuclear dirhenium complex bridged by CO_2 : molecular structure of a rhenium dimer bridged by CO_2 and a rhenium chloride complex (Y.-L. Yang, J.-D. Chen, Y.-C. Lin, M.-C. Cheng and Y. Wang), C6

Synthese und Koordinationschemie tripodaler, aromatischer Trisocyanide (F.E. Hahn and M. Tamm), 103

Ytterbium

Synthesis and structure of organosilicon and organogermanium complexes of ytterbium $(\text{Ph}_3\text{E})_2\text{Yb}(\text{THF})_4$ with Yb-Si and Yb-Ge bonds (L.N. Bochkarev, V.M. Makarov, Y.N. Hrzhanovskaya, L.N. Zakharov, G.K. Fukin, A.I. Yanovsky and Y.T. Struchkov), C3

Zirconocene

Reaktive Arsen-Heterocyclen. III. 3-Arsolene: Synthese und Reaktionen am Arsen (W.A. Schenk and E. Voß), 57

Reaktive Arsen-Heterocyclen. IV. Übergangsmetallkomplexe von 2,3,4,5-Tetramethylarsolen (W.A. Schenk and E. Voß), 67

Book Reviews

Iron-Carbene Complexes Scripts in Inorganic and Organometallic chemistry 1 Gmelin-Institut, Springer-Verlag, 1993, 202 pages. DM 68 ISBN 3-540-56258-3 (M.F. Lappert)), C9

Metals ions in Biological Systems, Volume 29, Biological Properties of Metal Alkyls, H. Sigel and A. Sigel (Eds.) (G.J. Leigh)), C1