

Subject Index of Volume 522

Acetylenes

Reaction of iron dicarbonyl phosphine complexes of 2-(phenylazo)pyridines with dimethyl acetylenedicarboxylate. Synthesis and crystal structure of a 2,3,1-diazaferrole complex (M.N. Ackermann, F.V. Mikulec, A.J. Matzger, B.J. Antonio, M.C. Barron, M.J. Todd, K. Meeker, A.L. Chupa and C. Woods), 105

Acyl derivatives

Preparation, characterization and carbonylation of the ring-functionalized dibenzyl zirconocenes, $(\eta^5\text{-C}_5\text{H}_5)_2((\eta^5\text{-C}_5\text{H}_4)(\text{C}_6\text{H}_5)_2)_2\text{-Zr}(\text{CH}_2\text{C}_6\text{H}_5)_2$ ($x = 1$, (1); $x = 0$, (2)) (W. Tikkanen, J. Manning, P. Watkins, M. Gonzalez and M. Borja), 123

Addition to the ethylenic bond

Addition of imidazoles and aminoacids to the ethylenic bond in $(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\text{CO})_2(\eta^1\text{-N-maleimidato})$ (B. Rudolf and J. Zarkzewski), 313

Alkylzinc-amide

1,2-Bis(dimethylamino)ethan-Komplexe von heteroleptischen Alkylzink-Verbindungen: Zusammenhang zwischen Zn–N-Abstand und R–Zn–R'-Bindungswinkel (M. Westerhausen, M. Wieneke und W. Schwarz), 137

Alkylzinc-chloride

1,2-Bis(dimethylamino)ethan-Komplexe von heteroleptischen Alkylzink-Verbindungen: Zusammenhang zwischen Zn–N-Abstand und R–Zn–R'-Bindungswinkel (M. Westerhausen, M. Wieneke und W. Schwarz), 137

Alkyne

$\text{FeCl}_3\text{-H}_2\text{O}$: a specific system for arylacetylene hydration (J.P. Damiano and M. Postel), 303

Alkyne complexes

Interaction of carbon dioxide with the bis(trimethylsilyl)acetylene complex of permethyltitanocene: synthesis and structure of the binuclear carbonate complex of permethyltitanocene $(\text{Cp}_2^*\text{Ti})_2\text{CO}$, (V.V. Burlakov, F.M. Dolgushin, A.I. Yanovsky, Yu.T. Struchkov, V.B. Shur, U. Rosenthal and U. Thewalt), 241

Alkyne dimerization

Synthesis, ^{31}P NMR data and X-ray analysis of a ruthenium(II) dimethylphenylphosphine complex with dimerized phenylacetylene: the structure of $[(\text{PhMe}_2\text{P})_2\text{Ru}(\eta^3\text{-PhC}_3\text{CHPh})](\text{PF}_6)^-$ (D.C. Liles and P.F.M. Verhoeven), 33

Alkynyl chlorosilanes

Koordinationsverhalten vinyl- und alkynylfunktionalisierter Chlorsilane (H. Lang, M. Weinmann und L. Zsolnai), 277

Allyl

Synthese von π -Allyl-Palladium-Komplexen, stabilisiert durch dreizählige Sauerstoffliganden $[(\text{C}_5\text{H}_5)\text{Co}(\text{P}(\text{OR})_2\text{O})_3]^-$ (B. Dornhöver, H. Hamers, W. Kläui und M. Pfeffer), 197

Allyl, Oxygen ligand

π -Allyl-Palladium-Komplexe stabilisiert durch den tripodalen Sauerstoffliganden $[(\text{C}_5\text{H}_5)\text{Co}(\text{P}(\text{OMe})_2\text{O})_3]^-$ II. Eliminierung statt C–C-Bindungsbildung bei der Reaktion mit resonanzstabilisierten Carbanionen (B. Dornhöver und W. Kläui), 207

Amide

Reactivity of the cationic uranium amide compound $[\text{U}(\eta\text{-C}_8\text{H}_8)(\text{NET}_2)(\text{OC}_4\text{H}_8)_2][\text{BPh}_4]$ (C. Boisson, J.C. Berthet, M. Ephritikhine, M. Lance and M. Nierlich), 249

Amido rhodium(I) complexes

Variable temperature multidimensional NMR study of anionic Rh(I) anilido $[(\text{R}_3\text{P})_2\text{Rh}(\text{NHPh})_2]^-$, M^+ complexes (J.-J. Brunet, G. Commenges, D. Neibecker and L. Rosenberg), 117

Amines

Cyclometallation of 2-phenylaniline and (*R*)- α -methylbenzylamine by palladium(II) acetate. X-ray molecular structure of $[\text{Pd}\{2\text{-}(2'\text{-NH}_2\text{C}_6\text{H}_4)\text{C}_6\text{H}_4\}\text{Br}(\text{PPh}_3)]$ (J. Albert, J. Granell, A. Luque, J. Minguéz, R. Moragas, M. Font-Bardía and X. Solans), 87

Amino acid

Addition of imidazoles and aminoacids to the ethylenic bond in $(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\text{CO})_2(\eta^1\text{-N-maleimidato})$ (B. Rudolf and J. Zarkzewski), 313

Anilides

Variable temperature multidimensional NMR study of anionic Rh(I) anilido $[(\text{R}_3\text{P})_2\text{Rh}(\text{NHPh})_2]^-$, M^+ complexes (J.-J. Brunet, G. Commenges, D. Neibecker and L. Rosenberg), 117

Antimony

^1H NMR spectra of Ph_2SbX , PhSbX_2 , and Ph_3SbX_2 ($\text{X} = \text{Cl, Br, I}$); ^{121}Sb Mössbauer spectra of PhSbX_2 and crystal structure of Ph_2SbI (G. Alonzo, H.J. Breunig, M. Denker, K.H. Ebert and W. Offermann), 237

Adduct formation between $(\text{Ph}_3\text{SbI})_2\text{O}$ and I_2 (M.J. Almond, M.G.B. Drew, D.A. Rice, G. Salisbury and M.J. Taylor), 265

π -Bonding

Reaction of iron dicarbonyl phosphine complexes of 2-(phenylazo)pyridines with dimethyl acetylenedicarboxylate. Synthesis and crystal structure of a 2,3,1-diazaferrole complex (M.N. Ackermann, F.V. Mikulec, A.J. Matzger, B.J. Antonio, M.C. Barron, M.J. Todd, K. Meeker, A.L. Chupa and C. Woods), 105

Boron

[2 + 3] Cycloaddition reactions of dimethylamino-bis(trifluoromethyl)borane, $(\text{CF}_3)_2\text{BNMe}_2$, with nitrile oxides, nitrones and $\text{Me}_2\text{C}=\text{SO}_2$. Crystal and molecular structure of $(\text{CF}_3)_2\text{B-NMe}_2\text{-}^1\text{BuC}=\text{N-O}$ and $(\text{CF}_3)_2\text{B-NMe}_2\text{-CMe}_2\text{-S(=O)-O}$ (D.J. Brauer, H. Bürger, G. Pawelke and J. Rothe), 129

Bromide

Water soluble phosphines. VIII. Palladium-catalyzed P–C cross coupling reactions between primary or secondary phosphines and functional aryl iodides — a novel synthetic route to water soluble phosphines (O. Herd, A. Heßler, M. Hingst, M. Tepper and O. Stelzer), 69

C_{60}

Organometallic hydrides as reactants in fullerene chemistry. Interaction of the fullerenes C_{60} and C_{70} with $\text{HM}(\text{CO}(\text{PPh}_3)_3)_3$ ($\text{M} = \text{Rh}$

- and Ir) and $\text{Hf}(\text{C}_8\text{H}_8)_2(\text{PPh}_3)_2$ (A.V. Usatov, K.N. Kudin, E.V. Vorontsov, L.E. Vinogradova and Y.N. Novikov), 147
- C₇₀**
Organometallic hydrides as reactants in fullerene chemistry. Interaction of the fullerenes C₆₀ and C₇₀ with $\text{HM}(\text{CO}(\text{PPh}_3))_3$ (M = Rh and Ir) and $\text{Hf}(\text{C}_8\text{H}_8)_2(\text{PPh}_3)_2$ (A.V. Usatov, K.N. Kudin, E.V. Vorontsov, L.E. Vinogradova and Y.N. Novikov), 147
- Cadmium**
Organometallic and carbonyl compounds of cadmium: analysis of crystallographic and structural data (C.E. Holloway and M. Melnik), 167
- Carbon dioxide**
Interaction of carbon dioxide with the bis(trimethylsilyl)acetylene complex of permethyltitanocene: synthesis and structure of the binuclear carbonate complex of permethyltitanocene ($\text{Cp}'_2\text{Ti}$)₂CO₃ (V.V. Burlakov, F.M. Dolgushin, A.I. Yanovsky, Yu.T. Struchkov, V.B. Shur, U. Rosenthal and U. Thewalt), 241
- Carbonyl**
Addition of imidazoles and aminoacids to the ethylenic bond in $(\eta^5\text{-C}_5\text{H}_5)_2\text{Fe}(\text{CO})_2(\eta^1\text{-N-maleimidato})$ (B. Rudolf and J. Zarkzewski), 313
Bond shift isomerization in a heterodiene complexed to $\text{Fe}(\text{CO})_3$ (H. Cherkaoui, J. Martelli and R. Grée), 311
Organometallic and carbonyl compounds of cadmium: analysis of crystallographic and structural data (C.E. Holloway and M. Melnik), 167
Reactions of $\text{SmI}_2(\text{THF})_x$ with $[\text{Cp}'\text{Mo}(\text{CO})_3]_2\text{Hg}$ ($\text{Cp}' = \text{C}_5\text{H}_5$ or C_5Me_5): crystal and molecular structures of $[(\text{THF})_x]_2\text{Sm}(\mu\text{-OC})\text{Mo}(\text{CO})_2(\text{C}_5\text{H}_5)$ and $[(\text{C}_5\text{Me}_5)\text{Mo}(\text{CO})_3]_2$ (G. Lin and W.-T. Wong), 271
Synthesis and characterisation of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-S})(\mu_3\text{-Te})$. Crystal structure of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-Se})(\mu_3\text{-Te})$ (P. Mathur, P. Sekar, C.V.V. Satyanarayana and M.F. Mahon), 291
Synthesis and structural characterization of a phosphido-bridged heterobimetallic transition metal complex, $(\text{CO})_3\text{Fe}(\mu\text{-PPh}_2)_2\text{Mo}(\text{CO})_4$ (S.-L. Li, Z.-Z. Zhang, J.C.C. Chan, S.C.F. Au-Yeung and T.C.W. Mak), 155
Synthesis reactivity and molecular structure of 2'-methylspiro[cyclohexane-1,3'-3H-indole] chromium tricarbonyl complex (J.G. Rodríguez, A. Urrutia, I. Fonseca and J. Sanz), 231
- Carbonylation**
Preparation, characterization and carbonylation of the ring-functionalized dibenzyl zirconocenes, $(\eta^5\text{-C}_5\text{H}_5)_2((\eta^5\text{-C}_5\text{H}_4)\text{P}(\text{C}_6\text{H}_5)_2)_2\text{Zr}(\text{CH}_2\text{C}_6\text{H}_5)_2$ ($x = 1, (1); x = 0, (2)$) (W. Tikkanen, J. Manning, P. Watkins, M. Gonzalez and M. Borja), 123
- Catalysis**
Syndiospezifische Polymerisation von Propylen: 2- und 2,7-substituierte Metallocenkomplex des Typs $(\text{C}_1\text{H}_8\text{-}n\text{R}_n\text{CR}'_2\text{C}_5\text{H}_4)\text{-MCl}_2$ ($n = 1, 2$; R = Alkoxy, Alkyl, Aryl, Hal; R' = Me, Ph; M = Zr, Hf) (H.G. Alt und R. Zenk), 39
- Cation**
Reactivity of the cationic uranium amide compound $[\text{U}(\eta\text{-C}_8\text{H}_8\text{XNEt}_2\text{XOC}_4\text{H}_8)_2][\text{BPh}_4]$ (C. Boisson, J.C. Berthet, M. Ephritikhine, M. Lance and M. Nierlich), 249
- Chirality**
Diastereoselective synthesis of α -silylphosphetanes. An approach to monodentate, P-O chelating and *trans*-chelating chiral ligands (A. Marinetti, V. Kruger, C. Le Menn and L. Ricard), 223
Some neutral ruthenium vinylidene complexes and a novel 1,3-elimination reaction: preparation of chiral ruthenium acetylides (M.I. Bruce, B.C. Hall, N.N. Zaitseva, B.W. Skelton and A.H. White), 307
- Chromic behaviour**
Unusual chromic behaviour of the solid supramolecular 3D polymers $[(\text{Me}_3\text{Sn})_n\text{Fe}(\text{CN})_6]_x$ ($n = 3/4$) (S.E.H. Etaiw and A.M.A. Ibrahim), 77
- Chromium**
Synthesis reactivity and molecular structure of 2'-methylspiro[cyclohexane-1,3'-3H-indole] chromium tricarbonyl complex (J.G. Rodríguez, A. Urrutia, I. Fonseca and J. Sanz), 231
- Cluster**
Reactions of $\text{Ru}_3(\mu\text{-dppm})(\text{CO})_{10}$ with unsaturated hydrocarbons. Pentamethylcyclopentadiene. X-ray structure of $\text{Ru}_3(\mu\text{-H})(\mu_3\text{-PPhCH}_2\text{PPh}_2)(\mu\text{-}\eta^1\text{:}\eta^5\text{-CH}_2\text{C}_5\text{Me}_4)(\text{CO})_8$ (M.I. Bruce, P.A. Humphrey, B.W. Skelton and A.H. White), 259
Synthesis and characterisation of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-S})(\mu_3\text{-Te})$. Crystal structure of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-Se})(\mu_3\text{-Te})$ (P. Mathur, P. Sekar, C.V.V. Satyanarayana and M.F. Mahon), 291
- C-metallation**
C- and O-metallation of N-benzylideneamines by palladium (II). Synthesis and X-ray crystal structure of $[\text{Pd}(2\text{-}\{\text{CH}=\text{N}-(\text{CH}_2)_2\text{-4'-(MeO)C}_6\text{H}_4\}\text{-4,5-(MeO)}_2\text{C}_6\text{H}_2\text{B}(\text{PPh}_3))]$ (J. Albert, J. Granell, R. Moragas, M. Font-Bardia and X. Solans), 59
- Cobalt**
Koordinationsverhalten vinyl- und alkynylfunktionalisierter Chlorsilane (H. Lang, M. Weinmann und L. Zsolnai), 277
Synthesis and characterisation of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-S})(\mu_3\text{-Te})$. Crystal structure of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-Se})(\mu_3\text{-Te})$ (P. Mathur, P. Sekar, C.V.V. Satyanarayana and M.F. Mahon), 291
- Coordination ability**
Koordinationsverhalten vinyl- und alkynylfunktionalisierter Chlorsilane (H. Lang, M. Weinmann und L. Zsolnai), 277
- Crystal structure**
¹H NMR spectra of Ph_2SbX , PhSbX_2 , and Ph_3SbX_2 ($X = \text{Cl, Br, I}$); ¹²¹Sb Mössbauer spectra of PhSbX_2 and crystal structure of Ph_3SbI (G. Alonzo, H.J. Breunig, M. Denker, K.H. Ebert and W. Offermann), 237
Adduct formation between $(\text{Ph}_3\text{SbI})_2\text{O}$ and I_2 (M.J. Almond, M.G.B. Drew, D.A. Rice, G. Salisbury and M.J. Taylor), 265
Organometallic and carbonyl compounds of cadmium: analysis of crystallographic and structural data (C.E. Holloway and M. Melnik), 167
Reactions of $\text{Ru}_3(\mu\text{-dppm})(\text{CO})_{10}$ with unsaturated hydrocarbons. Pentamethylcyclopentadiene. X-ray structure of $\text{Ru}_3(\mu\text{-H})(\mu_3\text{-PPhCH}_2\text{PPh}_2)(\mu\text{-}\eta^1\text{:}\eta^5\text{-CH}_2\text{C}_5\text{Me}_4)(\text{CO})_8$ (M.I. Bruce, P.A. Humphrey, B.W. Skelton and A.H. White), 259
Reactions of $\text{SmI}_2(\text{THF})_x$ with $[\text{Cp}'\text{Mo}(\text{CO})_3]_2\text{Hg}$ ($\text{Cp}' = \text{C}_5\text{H}_5$ or C_5Me_5): crystal and molecular structures of $[(\text{THF})_x]_2\text{Sm}(\mu\text{-OC})\text{Mo}(\text{CO})_2(\text{C}_5\text{H}_5)$ and $[(\text{C}_5\text{Me}_5)\text{Mo}(\text{CO})_3]_2$ (G. Lin and W.-T. Wong), 271
Some neutral ruthenium vinylidene complexes and a novel 1,3-elimination reaction: preparation of chiral ruthenium acetylides (M.I. Bruce, B.C. Hall, N.N. Zaitseva, B.W. Skelton and A.H. White), 307
Synthese von π -Allyl-Palladium-Komplexen, stabilisiert durch dreizählige Sauerstoffliganden $[(\text{C}_5\text{H}_5)\text{Co}(\text{P}(\text{OR})_2\text{O})_3]$ (B. Dombhöver, H. Hamers, W. Kläui und M. Pfeffer), 197
Synthesis, ³¹P NMR data and X-ray analysis of a ruthenium(II) dimethylphenylphosphine complex with dimerized phenylacetylene: the structure of $[(\text{PhMe}_2\text{P})_2\text{Ru}(\eta^1\text{-PhC}_3\text{CHPh})(\text{PF}_6)]$ (D.C. Liles and P.F.M. Verhoeven), 33
Synthesis and structural characterization of a phosphido-bridged heterobimetallic transition metal complex, $(\text{CO})_3\text{Fe}(\mu\text{-PPh}_2)_2\text{Mo}$

- (CO)₄ (S.-L. Li, Z.-Z. Zhang, J.C.C. Chan, S.C.F. Au-Yeung and T.C.W. Mak), 155
- Cubane cluster**
Neue Vanadium-Komplexe mit substituentenfreien Phosphorliganden (M. Herberhold, G. Frohmader und W. Milius), 185
- Cycloaddition reactions**
[2 + 3] Cycloaddition reactions of dimethylamino-bis(trifluoromethyl)borane, (CF₃)₂BNMe₂, with nitrile oxides, nitrones and Me₂C=SO₂. Crystal and molecular structure of (CF₃)₂B-NMe₂-¹BuC=N-O and (CF₃)₂B-NMe₂-CMe₂-S(=O)-O (D.J. Brauer, H. Bürger, G. Pawelke and J. Rothe), 129
- Cyclometallation**
C- and O-metallation of N-benzylideneamines by palladium (II). Synthesis and X-ray crystal structure of [Pd(2-(CH=N-(CH₂)₂-4'-(MeO)C₆H₄)-4,5-(MeO)₂C₆H₂)Br(PPh₃)] (J. Albert, J. Granell, R. Moragas, M. Font-Bardía and X. Solans), 59
Cyclometallation of 2-phenylaniline and (R)-α-methylbenzylamine by palladium(II) acetate. X-ray molecular structure of [Pd(2-(2'-NH₂C₆H₄)C₆H₄)Br(PPh₃)] (J. Albert, J. Granell, A. Luque, J. Mínguez, R. Moragas, M. Font-Bardía and X. Solans), 87
- Cyclooctatetraene**
Reactivity of the cationic uranium amide compound [U(η-C₈H₈)(NEt₂)(OC₄H₈)₂][BPh₄] (C. Boisson, J.C. Berthet, M. Ephritikhine, M. Lance and M. Nierlich), 249
- Cyclopalladation**
A way to obtain cyclopalladation of unsubstituted 2-phenylimidazole derivatives (F. Zamora, S. Luna, P. Amo-Ochoa, L.A. Martínez-Cruz and A. Vegas), 97
C- and O-metallation of N-benzylideneamines by palladium (II). Synthesis and X-ray crystal structure of [Pd(2-(CH=N-(CH₂)₂-4'-(MeO)C₆H₄)-4,5-(MeO)₂C₆H₂)Br(PPh₃)] (J. Albert, J. Granell, R. Moragas, M. Font-Bardía and X. Solans), 59
- Diene complexes**
Synthesis and structure of ruthenium(II)-diene complexes (E. Meléndez, R. Ibarra, G.P.A. Yap and A.L. Rheingold), 1
- trans-Diene coordination**
Synthesis and structure of ruthenium(II)-diene complexes (E. Meléndez, R. Ibarra, G.P.A. Yap and A.L. Rheingold), 1
- Dimethylamino-bis(trifluoromethyl)borane**
[2 + 3] Cycloaddition reactions of dimethylamino-bis(trifluoromethyl)borane, (CF₃)₂BNMe₂, with nitrile oxides, nitrones and Me₂C=SO₂. Crystal and molecular structure of (CF₃)₂B-NMe₂-¹BuC=N-O and (CF₃)₂B-NMe₂-CMe₂-S(=O)-O (D.J. Brauer, H. Bürger, G. Pawelke and J. Rothe), 129
- Diphosphine**
Diastereoselective synthesis of α-silylphosphetanes. An approach to monodentate, P-O chelating and trans-chelating chiral ligands (A. Marinetti, V. Kruger, C. Le Menn and L. Ricard), 223
- Electrochemical synthesis**
Electrochemical synthesis of bis(2-thienyl)silanes, 2-thienylchlorosilanes, bis[5-(2-bromothieryl)]silanes, and 5-(2-bromothieryl)dimethylchlorosilane, precursors of poly[(silanylene)thiophene]s (C. Moreau, F. Serein-Spirau, M. Bordeau, C. Biran and J. Dunoguès), 213
- Electrochemistry**
New ferrocenophanes containing a hydrophobic, aromatic 'pocket' (R.A. Bartsch, P. Kus, R.A. Holwerda, B.P. Czech, X. Kou and N.K. Dalley), 9
- Elimination reaction**
π-Allyl-Palladium-Komplexe stabilisiert durch den tripodalen Sauerstoffliganden [(C₅H₅)Co{P(OMe)₂O}₃]⁻ II. Eliminierung statt C-C-Bindungsbildung bei der Reaktion mit resonanzstabilisierten Carbanionen (B. Dönhöfer und W. Kläui), 207
- Ferrocenes**
New ferrocenophanes containing a hydrophobic, aromatic 'pocket' (R.A. Bartsch, P. Kus, R.A. Holwerda, B.P. Czech, X. Kou and N.K. Dalley), 9
- Ferrocenophanes**
New ferrocenophanes containing a hydrophobic, aromatic 'pocket' (R.A. Bartsch, P. Kus, R.A. Holwerda, B.P. Czech, X. Kou and N.K. Dalley), 9
- Fluorenyl**
Syndiospezifische Polymerisation von Propylen: 2- und 2,7-substituierte Metallocenkomplex des Typs (C₁₃H_{8-n}R_nCR'₂C₅H₄)MCl₂ (n = 1,2; R = Alkoxy, Alkyl, Aryl, Hal; R' = Me, Ph; M = Zr, Hf) (H.G. Alt und R. Zenk), 39
- Group 12**
Organometallic and carbonyl compounds of cadmium: analysis of crystallographic and structural data (C.E. Holloway and M. Melnik), 167
- Group 15**
¹H NMR spectra of Ph₂SbX, PhSbX₂, and Ph₃SbX₂ (X = Cl, Br, I); ¹²¹Sb Mössbauer spectra of PhSbX₂ and crystal structure of Ph₂SbI (G. Alonzo, H.J. Breunig, M. Denker, K.H. Ebert and W. Offermann), 237
- Hafnium**
Syndiospezifische Polymerisation von Propylen: 2- und 2,7-substituierte Metallocenkomplex des Typs (C₁₃H_{8-n}R_nCR'₂C₅H₄)MCl₂ (n = 1,2; R = Alkoxy, Alkyl, Aryl, Hal; R' = Me, Ph; M = Zr, Hf) (H.G. Alt und R. Zenk), 39
- Halide**
Electrochemical synthesis of bis(2-thienyl)silanes, 2-thienylchlorosilanes, bis[5-(2-bromothieryl)]silanes, and 5-(2-bromothieryl)dimethylchlorosilane, precursors of poly[(silanylene)thiophene]s (C. Moreau, F. Serein-Spirau, M. Bordeau, C. Biran and J. Dunoguès), 213
- Heterobimetallic complex**
Synthesis and structural characterization of a phosphido-bridged heterobimetallic transition metal complex, (CO)₄Fe(μ-PPh₂)₂Mo(CO)₄ (S.-L. Li, Z.-Z. Zhang, J.C.C. Chan, S.C.F. Au-Yeung and T.C.W. Mak), 155
- Heterodiene complex**
Bond shift isomerization in a heterodiene complexed to Fe(CO)₅ (H. Cherkaoui, J. Martelli and R. Grée), 311
- ¹H NMR spectra**
¹H NMR spectra of Ph₂SbX, PhSbX₂, and Ph₃SbX₂ (X = Cl, Br, I); ¹²¹Sb Mössbauer spectra of PhSbX₂ and crystal structure of Ph₂SbI (G. Alonzo, H.J. Breunig, M. Denker, K.H. Ebert and W. Offermann), 237
- Hydration**
FeCl₃-H₂O: a specific system for arylacetylene hydration (J.P. Damiano and M. Postel), 303
- Hydroamination**
Variable temperature multidimensional NMR study of anionic Rh(I) anilido [(R₃P)₂Rh(NHPh)₂]⁻, M⁺ complexes (J.-J. Brunet, G. Commenges, D. Neibecker and L. Rosenberg), 117
- Hydroarylation**
Variable temperature multidimensional NMR study of anionic Rh(I) anilido [(R₃P)₂Rh(NHPh)₂]⁻, M⁺ complexes (J.-J. Brunet, G. Commenges, D. Neibecker and L. Rosenberg), 117
- Hydrodesulfurization**
Unexpected products resulting from reactions of Cp*Ir(η⁵-2,5-Me₂T)²⁺ (Me₂T = 2,5-dimethylthiophene) with (μ-S)₂Fe₂(CO)₆²⁻ and (μ-CO)(μ-RS)Fe₂(CO)₆⁻ (J. Chen, C.L. Day, R.A. Jacobson and R.J. Angelici), 21

Hydrogen bonding

New ferrocenophanes containing a hydrophobic, aromatic 'pocket' (R.A. Bartsch, P. Kus, R.A. Holwerda, B.P. Czech, X. Kou and N.K. Dalley), 9

Imidazole

Addition of imidazoles and aminoacids to the ethylenic bond in $(\eta^5\text{-C}_5\text{H}_5)_2\text{Fe}(\text{CO})_2(\eta^1\text{-N-maleimidato})$ (B. Rudolf and J. Zakrzewski), 313

Imidazoles

A way to obtain cyclopalladation of unsubstituted 2-phenylimidazole derivatives (F. Zamora, S. Luna, P. Amo-Ochoa, L.A. Martínez-Cruz and A. Vegas), 97

Iodide

Water soluble phosphines. VIII. Palladium-catalyzed P-C cross coupling reactions between primary or secondary phosphines and functional aryl iodides — a novel synthetic route to water soluble phosphines (O. Herd, A. Heßler, M. Hingst, M. Tepper and O. Stelzer), 69

Iodine

Adduct formation between $(\text{Ph}_3\text{SbI})_2\text{O}$ and I_2 (M.J. Almond, M.G.B. Drew, D.A. Rice, G. Salisbury and M.J. Taylor), 265

Iridium

Organometallic hydrides as reactants in fullerene chemistry. Interaction of the fullerenes C_{60} and C_{70} with $\text{HM}(\text{CO})(\text{PPh}_3)_3$ (M = Rh and Ir) and $\text{Hf}(\text{C}_8\text{H}_7)_2(\text{XPPH}_3)_2$ (A.V. Usatov, K.N. Kudin, E.V. Vorontsov, L.E. Vinogradova and Y.N. Novikov), 147

Unexpected products resulting from reactions of $\text{Cp}^*\text{Ir}(\eta^5\text{-2,5-Me}_2\text{T})_2^+$ (Me_2T = 2,5-dimethylthiophene) with $(\mu\text{-S})_2\text{Fe}_2(\text{CO})_6^2-$ and $(\mu\text{-CO})(\mu\text{-RS})\text{Fe}_2(\text{CO})_6^-$ (J. Chen, C.L. Day, R.A. Jacobson and R.J. Angelici), 21

Iron

Addition of imidazoles and aminoacids to the ethylenic bond in $(\eta^5\text{-C}_5\text{H}_5)_2\text{Fe}(\text{CO})_2(\eta^1\text{-N-maleimidato})$ (B. Rudolf and J. Zakrzewski), 313

Bond shift isomerization in a heterodiene complexed to $\text{Fe}(\text{CO})_3$ (H. Cherkaoui, J. Martelli and R. Grée), 311

$\text{FeCl}_2 \cdot \text{H}_2\text{O}$: a specific system for arylacetylene hydration (J.P. Damiano and M. Postel), 303

Koordinationsverhalten vinyl- und alkynylfunktionalisierter Chlorsilane (H. Lang, M. Weinmann und L. Zsolnai), 277

New ferrocenophanes containing a hydrophobic, aromatic 'pocket' (R.A. Bartsch, P. Kus, R.A. Holwerda, B.P. Czech, X. Kou and N.K. Dalley), 9

Reaction of iron dicarbonyl phosphine complexes of 2-(phenylazo)pyridines with dimethyl acetylenedicarboxylate. Synthesis and crystal structure of a 2,3,1-diazaferrole complex (M.N. Ackermann, F.V. Mikulec, A.J. Matzger, B.J. Antonio, M.C. Barron, M.J. Todd, K. Meeker, A.L. Chupa and C. Woods), 105

Synthesis and characterisation of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-SX}\mu_3\text{-Te})$. Crystal structure of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-Se})(\mu_3\text{-Te})$ (P. Mathur, P. Sekar, C.V.V. Satyanarayana and M.F. Mahon), 291

Synthesis and structural characterization of a phosphido-bridged heterobimetallic transition metal complex, $(\text{CO})_3\text{Fe}(\mu\text{-PPh}_2)_2\text{Mo}(\text{CO})_4$ (S.-L. Li, Z.-Z. Zhang, J.C.C. Chan, S.C.F. Au-Yeung and T.C.W. Mak), 155

Unexpected products resulting from reactions of $\text{Cp}^*\text{Ir}(\eta^5\text{-2,5-Me}_2\text{T})_2^+$ (Me_2T = 2,5-dimethylthiophene) with $(\mu\text{-S})_2\text{Fe}_2(\text{CO})_6^2-$ and $(\mu\text{-CO})(\mu\text{-RS})\text{Fe}_2(\text{CO})_6^-$ (J. Chen, C.L. Day, R.A. Jacobson and R.J. Angelici), 21

Unusual chromic behaviour of the solid supramolecular 3D polymers $[(\text{Me}_2\text{Sn})_n\text{Fe}(\text{CN})_6]_k$ ($n = 3/4$) (S.E.H. Etaiw and A.M.A. Ibrahim), 77

Kinetic studies

Bond shift isomerization in a heterodiene complexed to $\text{Fe}(\text{CO})_3$ (H. Cherkaoui, J. Martelli and R. Grée), 311

Ligand substitution

π -Allyl-Palladium-Komplexe stabilisiert durch den tripodalen Sauerstoffliganden $[(\text{C}_5\text{H}_5)\text{Co}(\text{P}(\text{OMe})_2\text{O})_3]^-$ II. Eliminierung statt C-C-Bindungsbildung bei der Reaktion mit resonanzstabilisierten Carbanionen (B. Domhöver und W. Kläui), 207

Lithium

Lithiation and silylation reactions of 1,4-bis(1,1,1,3,3,3-hexafluoro-2-hydroxy-2-propyl)benzene (J.W. Fitch, III, P.E. Cassidy and M.J. Ahmed), 55

Maleimide anion

Addition of imidazoles and aminoacids to the ethylenic bond in $(\eta^5\text{-C}_5\text{H}_5)_2\text{Fe}(\text{CO})_2(\eta^1\text{-N-maleimidato})$ (B. Rudolf and J. Zakrzewski), 313

Manganese

Koordinationsverhalten vinyl- und alkynylfunktionalisierter Chlorsilane (H. Lang, M. Weinmann und L. Zsolnai), 277

Mercury

Synthesis and crystal structures of tetrakis(nitratomercurio)methane monohydrate and bis(sulphatomercurio)bis(aquamercurio)methane (D. Grdenić, B. Korpar-Čolig and D. Matković-Čalogović), 297

Metalloenes

Preparation, characterization and carbonylation of the ring-functionalized dibenzyl zirconocenes, $(\eta^5\text{-C}_5\text{H}_5)_2((\eta^5\text{-C}_5\text{H}_4)\text{P}(\text{C}_6\text{H}_5)_2)_2\text{Zr}(\text{CH}_2\text{C}_6\text{H}_5)_2$ ($x = 1$, (1); $x = 0$, (2)) (W. Tikkanen, J. Manning, P. Watkins, M. Gonzalez and M. Borja), 123

Metalloacycles

Reaction of iron dicarbonyl phosphine complexes of 2-(phenylazo)pyridines with dimethyl acetylenedicarboxylate. Synthesis and crystal structure of a 2,3,1-diazaferrole complex (M.N. Ackermann, F.V. Mikulec, A.J. Matzger, B.J. Antonio, M.C. Barron, M.J. Todd, K. Meeker, A.L. Chupa and C. Woods), 105

Model complexes

Syndiospezifische Polymerisation von Propylen: Modellverbindungen des Typs $(\text{C}_{11}\text{H}_n)_n\text{R}_n\text{CMe}_2\text{C}_5\text{H}_4)_2\text{Zr}(\text{H}_2\text{C}=\text{CHR})_2\text{PMe}_2$ ($n = 0, 2$; R = H, Me; R' = Me, Et) (H.G. Alt and R. Zenk), 177

Molecular adducts

Adduct formation between $(\text{Ph}_3\text{SbI})_2\text{O}$ and I_2 (M.J. Almond, M.G.B. Drew, D.A. Rice, G. Salisbury and M.J. Taylor), 265

Molybdenum

Reactions of $\text{SmI}_2(\text{THF})_x$ with $[\text{Cp}^*\text{Mo}(\text{CO})_3]_2\text{Hg}$ ($\text{Cp}^* = \text{C}_5\text{H}_5^-$ or C_5Me_5^-): crystal and molecular structures of $[(\text{THF})_4\text{I}_2\text{Sm}(\mu\text{-OC})\text{Mo}(\text{CO})_2(\text{C}_5\text{H}_5)]$ and $[(\text{C}_5\text{Me}_5)\text{Mo}(\text{CO})_3]_2$ (G. Lin and W.-T. Wong), 271

Synthesis and structural characterization of a phosphido-bridged heterobimetallic transition metal complex, $(\text{CO})_3\text{Fe}(\mu\text{-PPh}_2)_2\text{Mo}(\text{CO})_4$ (S.-L. Li, Z.-Z. Zhang, J.C.C. Chan, S.C.F. Au-Yeung and T.C.W. Mak), 155

O-metallation

C- and O-metallation of N-benzylideneamines by palladium (II). Synthesis and X-ray crystal structure of $[\text{Pd}2\text{-}\{\text{CH}=\text{N}-(\text{CH}_2)_2\text{-4'-(MeO)C}_6\text{H}_4\text{-4,5-(MeO)}_2\text{C}_6\text{H}_2\text{Br}(\text{PPh}_3)\}]$ (J. Albert, J. Graneli, R. Moragas, M. Font-Bardia and X. Solans), 59

Organometallic

Organometallic and carbonyl compounds of cadmium: analysis of crystallographic and structural data (C.E. Holloway and M. Melnik), 167

Organometallic hydrides

Organometallic hydrides as reactants in fullerene chemistry. Interaction of the fullerenes C_{60} and C_{70} with $HM(CO)(PPh_3)_3$ ($M = Rh$ and Ir) and $Hf(C_8H_{12})(PPh_3)_2$ (A.V. Usatov, K.N. Kudin, E.V. Vorontsov, L.E. Vinogradova and Y.N. Novikov), 147

Oxygen ligand

Synthese von π -Allyl-Palladium-Komplexen, stabilisiert durch dreizählige Sauerstoffliganden $[(C_5H_5)_2Co(P(OR)_2O)_3]^-$ (B. Dornhöver, H. Hamers, W. Kläui und M. Pfeffer), 197

Palladium

A way to obtain cyclopalladation of unsubstituted 2-phenylimidazole derivatives (F. Zamora, S. Luna, P. Amo-Ochoa, L.A. Martínez-Cruz and A. Vegas), 97

π -Allyl-Palladium-Komplexe stabilisiert durch den tripodalen Sauerstoffliganden $[(C_5H_5)_2Co(P(OMe)_2O)_3]^-$ II. Eliminierung statt C-C-Bindungsbildung bei der Reaktion mit resonanzstabilisierten Carbanionen (B. Dornhöver und W. Kläui), 207

C- and O-metallation of N-benzylideneamines by palladium (II). Synthesis and X-ray crystal structure of $[Pd(2-(CH=N-(CH_2)_2-4'-(MeO)C_6H_4)-4,5-(MeO)_2C_6H_2)Br(PPh_3)]$ (J. Albert, J. Granell, R. Moragas, M. Font-Bardía and X. Solans), 59

Cyclometallation of 2-phenylaniline and (*R*)- α -methylbenzylamine by palladium(II) acetate. X-ray molecular structure of $[Pd(2-(2'-NH_2C_6H_4)C_6H_4)Br(PPh_3)]$ (J. Albert, J. Granell, A. Luque, J. Mínguez, R. Moragas, M. Font-Bardía and X. Solans), 87

Synthese von π -Allyl-Palladium-Komplexen, stabilisiert durch dreizählige Sauerstoffliganden $[(C_5H_5)_2Co(P(OR)_2O)_3]^-$ (B. Dornhöver, H. Hamers, W. Kläui und M. Pfeffer), 197

Palladium catalysis

Water soluble phosphines. VIII. Palladium-catalyzed P-C cross coupling reactions between primary or secondary phosphines and functional aryl iodides — a novel synthetic route to water soluble phosphines (O. Herd, A. Heßler, M. Hingst, M. Tepper and O. Stelzer), 69

P-C cross coupling

Water soluble phosphines. VIII. Palladium-catalyzed P-C cross coupling reactions between primary or secondary phosphines and functional aryl iodides — a novel synthetic route to water soluble phosphines (O. Herd, A. Heßler, M. Hingst, M. Tepper and O. Stelzer), 69

Pentamethylecyclopentadiene

Reactions of $Ru_3(\mu-dppm)(CO)_{10}$ with unsaturated hydrocarbons. Pentamethylecyclopentadiene. X-ray structure of $Ru_3(\mu-H)(\mu_1-PPhCH_2PPh_2)(\mu-\eta^1:\eta^2-CH_2C_5Me_4)(CO)_8$ (M.I. Bruce, P.A. Humphrey, B.W. Skelton and A.H. White), 259

Pentamethylecyclopentadienyl

Unexpected products resulting from reactions of $Cp^*Ir(\eta^5-2,5-Me_2T)^2$ ($Me_2T = 2,5$ -dimethylthiophene) with $(\mu-S)_2-Fe_2(CO)_6^{2-}$ and $(\mu-CO)(\mu-RS)Fe_2(CO)_6^-$ (J. Chen, C.L. Day, R.A. Jacobson and R.J. Angelici), 21

Phenyl

1H NMR spectra of Ph_2SbX , $PhSbX_2$, and Ph_3SbX_2 ($X = Cl, Br, I$); ^{121}Sb Mössbauer spectra of $PhSbX_2$ and crystal structure of Ph_2SbI (G. Alonzo, H.J. Breunig, M. Denker, K.H. Ebert and W. Offermann), 237

Phosphido complex

Synthesis and structural characterization of a phosphido-bridged heterobimetallic transition metal complex, $(CO)_3Fe(\mu-PPh_2)_2Mo(CO)_4$ (S.-L. Li, Z.-Z. Zhang, J.C.C. Chan, S.C.F. Au-Yeung and T.C.W. Mak), 155

Phosphine complexes

Variable temperature multidimensional NMR study of anionic $Ru(II)$ amidido $[(R_3P)_2Rh(NHPh)_2]^-$, M^+ complexes (J.-J. Brunet, G. Commenges, D. Neibecker and L. Rosenberg), 117

Phosphines

Reaction of iron dicarbonyl phosphine complexes of 2-(phenylazo)pyridines with dimethyl acetylenedicarboxylate. Synthesis and crystal structure of a 2,3,1-diazaferrole complex (M.N. Ackermann, F.V. Mikulec, A.J. Matzger, B.J. Antonio, M.C. Barron, M.J. Todd, K. Meeker, A.L. Chupa and C. Woods), 105

Phosphorus

Neue Vanadium-Komplexe mit substituentenfreien Phosphorliganden (M. Herberhold, G. Frohmader und W. Milius), 185

 ^{31}P NMR

Synthesis, ^{31}P NMR data and X-ray analysis of a ruthenium(II) dimethylphenylphosphine complex with dimerized phenylacetylene: the structure of $[(PhMe_2P)_4Ru(\eta^3-PhC_3CHPh)(PF_6)]$ (D.C. Liles and P.F.M. Verhoeven), 33

Polymerization

Syndiospezifische Polymerisation von Propylen: 2- und 2,7-substituierte Metallocenkomplexe des Typs $(C_{13}H_{8-n}R_nCR'_2C_5H_4)MCl_2$ ($n = 1, 2$; $R =$ Alkoxy, Alkyl, Aryl, Hal; $R' = Me, Ph$; $M = Zr, Hf$) (H.G. Alt und R. Zenk), 39

Polymerization mechanism

Syndiospezifische Polymerisation von Propylen: Modellverbindungen des Typs $(C_{13}H_{8-n}R_nCMe_2C_5H_4)Zr(H_2C=CHR')(PMe_2)_2$ ($n = 0, 2$; $R = H, Me$; $R' = Me, Et$) (H.G. Alt und R. Zenk), 177

Poly(silanylene)thiophene precursors

Electrochemical synthesis of bis(2-thienyl)silanes, 2-thienylchlorosilanes, bis[5-(2-bromothiényl)]silanes, and 5-(2-bromothiényl)dimethylchlorosilane, precursors of poly[(silanylene)thiophene]s (C. Moreau, F. Serein-Spirau, M. Bordeau, C. Biran and J. Dunoguès), 213

Reactivity

Synthesis reactivity and molecular structure of 2'-methylspiro[cyclohexane-1,3'-3*H*-indole] chromium tricarbonyl complex (J.G. Rodríguez, A. Urrutia, I. Fonseca and J. Sanz), 231

Review

Organometallic and carbonyl compounds of cadmium: analysis of crystallographic and structural data (C.E. Holloway and M. Melník), 167

Rhodates

Variable temperature multidimensional NMR study of anionic Rh(I) amidido $[(R_3P)_2Rh(NHPh)_2]^-$, M^+ complexes (J.-J. Brunet, G. Commenges, D. Neibecker and L. Rosenberg), 117

Rhodium

Diastereoselective synthesis of α -silylphosphetanes. An approach to monodentate, P=O chelating and *trans*-chelating chiral ligands (A. Marinetti, V. Kruger, C. Le Menn and L. Ricard), 223

Organometallic hydrides as reactants in fullerene chemistry. Interaction of the fullerenes C_{60} and C_{70} with $HM(CO)(PPh_3)_3$ ($M = Rh$ and Ir) and $Hf(C_8H_{12})(PPh_3)_2$ (A.V. Usatov, K.N. Kudin, E.V. Vorontsov, L.E. Vinogradova and Y.N. Novikov), 147

Ruthenium

Reactions of $Ru_3(\mu-dppm)(CO)_{10}$ with unsaturated hydrocarbons. Pentamethylecyclopentadiene. X-ray structure of $Ru_3(\mu-H)(\mu_1-PPhCH_2PPh_2)(\mu-\eta^1:\eta^2-CH_2C_5Me_4)(CO)_8$ (M.I. Bruce, P.A. Humphrey, B.W. Skelton and A.H. White), 259

Some neutral ruthenium vinylidene complexes and a novel 1,3-elimination reaction: preparation of chiral ruthenium acetylides (M.I. Bruce, B.C. Hall, N.N. Zaitseva, B.W. Skelton and A.H. White), 307

Synthesis, ^{31}P NMR data and X-ray analysis of a ruthenium(II) dimethylphenylphosphine complex with dimerized phenylacetylene: the structure of $[(PhMe_2P)_4Ru(\eta^3-PhC_3CHPh)(PF_6)]$ (D.C. Liles and P.F.M. Verhoeven), 33

Synthesis and structure of ruthenium(II)-diene complexes (E. Meléndez, R. Ilarrazza, G.P.A. Yap and A.L. Rheingold), 1

Samarium

Reactions of $\text{SmI}_2(\text{THF})_4$ with $[\text{Cp}'\text{Mo}(\text{CO})_3]_2\text{Hg}$ ($\text{Cp}' = \text{C}_5\text{H}_5^-$ or C_5Me_5^-): crystal and molecular structures of $\{(\text{THF})_4\text{I}_2\text{Sm}(\mu\text{-OC})\text{Mo}(\text{CO})_2(\text{C}_5\text{H}_5)\}$ and $\{(\text{C}_5\text{Me}_5)\text{Mo}(\text{CO})_3\}_2$ (G. Lin and W.-T. Wong), 271

¹²¹Sb Mössbauer spectra

¹H NMR spectra of Ph_2SbX , PhSbX_2 , and Ph_3SbX_2 ($\text{X} = \text{Cl}, \text{Br}, \text{I}$);

¹²¹Sb Mössbauer spectra of PhSbX_2 and crystal structure of Ph_3SbI (G. Alonzo, H.J. Breunig, M. Denker, K.H. Ebert and W. Offermann), 237

Selenium

Synthesis and characterisation of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-SX}\mu_3\text{-Te})$. Crystal structure of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-SeX}\mu_3\text{-Te})$ (P. Mathur, P. Sekar, C.V.V. Satyanarayana and M.F. Mahon), 291

Silicon

Electrochemical synthesis of bis(2-thienyl)silanes, 2-thienylchlorosilanes, bis[5-(2-bromothiényl)]silanes, and 5-(2-bromothiényl)dimethylchlorosilane, precursors of poly[(silanylene)thiophene]s (C. Moreau, F. Serein-Spirau, M. Bordeau, C. Biran and J. Dunoguès), 213

Lithiation and silylation reactions of 1,4-bis(1,1,1,3,3,3-hexafluoro-2-hydroxy-2-propyl)benzene (J.W. Fitch, III, P.E. Cassidy and M.J. Ahmed), 55

Silyl

Diastereoselective synthesis of α -silylphosphetanes. An approach to monodentate, P-O chelating and *trans*-chelating chiral ligands (A. Marinetti, V. Kruger, C. Le Menn and L. Ricard), 223

Solid-state structures

New ferrocenophanes containing a hydrophobic, aromatic 'pocket' (R.A. Bartsch, P. Kus, R.A. Holwerda, B.P. Czech, X. Kou and N.K. Dalley), 9

Spectroscopic data

1,2-Bis(dimethylamino)ethan-Komplexe von heteroleptischen Alkylzink-Verbindungen: Zusammenhang zwischen Zn-N-Abstand und R-Zn-R'-Bindungswinkel (M. Westerhausen, M. Wieneke und W. Schwarz), 137

Spiroindolenine

Synthesis reactivity and molecular structure of 2'-methylspiro[cyclohexane-1,3'-3*H*-indole] chromium tricarbonyl complex (J.G. Rodríguez, A. Urrutia, I. Fonseca and J. Sanz), 231

Stiboxane

Adduct formation between $(\text{Ph}_3\text{SbI})_2\text{O}$ and I_2 (M.J. Almond, M.G.B. Drew, D.A. Rice, G. Salisbury and M.J. Taylor), 265

Sulfur

Unexpected products resulting from reactions of $\text{Cp}^*\text{Ir}(\eta^5\text{-2,5-Me}_2\text{T})^{2+}$ ($\text{Me}_2\text{T} = 2,5\text{-dimethylthiophene}$) with $(\mu\text{-S})_2\text{Fe}_2(\text{CO})_6^{2-}$ and $(\mu\text{-COX}\mu\text{-RS})\text{Fe}_2(\text{CO})_6^-$ (J. Chen, C.L. Day, R.A. Jacobson and R.J. Angelici), 21

Supramolecular polymers

Unusual chromic behaviour of the solid supramolecular 3D polymers $[(\text{Me}_3\text{Sn})_n\text{Fe}(\text{CN})_6]_n$ ($n = 3/4$) (S.E.H. Etaiw and A.M.A. Ibrahim), 77

Syndiospecific polymerization of propylene

Syndiospezifische Polymerisation von Propylen: Modellverbindungen des Typs $(\text{C}_{11}\text{H}_8\text{-}_n\text{R}_n\text{CMe}_2\text{C}_5\text{H}_4)\text{Zr}(\text{H}_2\text{C}=\text{CHR}'\text{XPM}_2)_2$ ($n = 0, 2$; $\text{R} = \text{H}, \text{Me}$; $\text{R}' = \text{Me}, \text{Et}$) (H.G. Alt und R. Zenk), 177

Syndiotactic polypropylene

Syndiospezifische Polymerisation von Propylen: 2- und 2,7-substituierte Metallocenkomplexe des Typs $(\text{C}_{11}\text{H}_8\text{-}_n\text{R}_n\text{CR}'_2\text{C}_5\text{H}_4)\text{-MCl}_2$ ($n = 1, 2$; $\text{R} = \text{Alkoxy}, \text{Alkyl}, \text{Aryl}, \text{Hal}$; $\text{R}' = \text{Me}, \text{Ph}$; $\text{M} = \text{Zr}, \text{Hf}$) (H.G. Alt und R. Zenk), 39

Synthesis

Electrochemical synthesis of bis(2-thienyl)silanes, 2-thienylchlorosilanes, bis[5-(2-bromothiényl)]silanes, and 5-(2-bromothiényl)di-

methylchlorosilane, precursors of poly[(silanylene)thiophene]s (C. Moreau, F. Serein-Spirau, M. Bordeau, C. Biran and J. Dunoguès), 213

Synthesis reactivity and molecular structure of 2'-methylspiro[cyclohexane-1,3'-3*H*-indole] chromium tricarbonyl complex (J.G. Rodríguez, A. Urrutia, I. Fonseca and J. Sanz), 231

Tellurium

Synthesis and characterisation of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-SX}\mu_3\text{-Te})$. Crystal structure of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-SeX}\mu_3\text{-Te})$ (P. Mathur, P. Sekar, C.V.V. Satyanarayana and M.F. Mahon), 291

Tertiary and secondary phosphines

Water soluble phosphines. VIII. Palladium-catalyzed P-C cross coupling reactions between primary or secondary phosphines and functional aryl iodides — a novel synthetic route to water soluble phosphines (O. Herd, A. Heßler, M. Hingst, M. Tepper and O. Stelzer), 69

Tetramercurated methane

Synthesis and crystal structures of tetrakis(nitratomercurio)methane monohydrate and bis(sulphatomercurio)bis(aquamercuro)methane (D. Grdenić, B. Korpar-Colig and D. Matković-Calogović), 297

Thienylsilanes

Electrochemical synthesis of bis(2-thienyl)silanes, 2-thienylchlorosilanes, bis[5-(2-bromothiényl)]silanes, and 5-(2-bromothiényl)dimethylchlorosilane, precursors of poly[(silanylene)thiophene]s (C. Moreau, F. Serein-Spirau, M. Bordeau, C. Biran and J. Dunoguès), 213

Thiophene

Unexpected products resulting from reactions of $\text{Cp}^*\text{Ir}(\eta^5\text{-2,5-Me}_2\text{T})^{2+}$ ($\text{Me}_2\text{T} = 2,5\text{-dimethylthiophene}$) with $(\mu\text{-S})_2\text{Fe}_2(\text{CO})_6^{2-}$ and $(\mu\text{-COX}\mu\text{-RS})\text{Fe}_2(\text{CO})_6^-$ (J. Chen, C.L. Day, R.A. Jacobson and R.J. Angelici), 21

Three-dimensional polymers

Unusual chromic behaviour of the solid supramolecular 3D polymers $[(\text{Me}_3\text{Sn})_n\text{Fe}(\text{CN})_6]_n$ ($n = 3/4$) (S.E.H. Etaiw and A.M.A. Ibrahim), 77

Tin

Unusual chromic behaviour of the solid supramolecular 3D polymers $[(\text{Me}_3\text{Sn})_n\text{Fe}(\text{CN})_6]_n$ ($n = 3/4$) (S.E.H. Etaiw and A.M.A. Ibrahim), 77

Titanium

Interaction of carbon dioxide with the bis(trimethylsilyl)acetylene complex of permethyltitanocene: synthesis and structure of the binuclear carbonate complex of permethyltitanocene (Cp_2^*Ti), CO_3 (V.V. Burlakov, F.M. Dolgushin, A.I. Yanovsky, Yu.T. Struchkov, V.B. Shur, U. Rosenthal and U. Thewalt), 241

TMEDA complexes

1,2-Bis(dimethylamino)ethan-Komplexe von heteroleptischen Alkylzink-Verbindungen: Zusammenhang zwischen Zn-N-Abstand und R-Zn-R'-Bindungswinkel (M. Westerhausen, M. Wieneke und W. Schwarz), 137

Tripledecker complexes

Neue Vanadium-Komplexe mit substituentenfreien Phosphorliganden (M. Herberhold, G. Frohmader und W. Milius), 185

Tripodal ligand

π -Allyl-Palladium-Komplexe stabilisiert durch den tripodalen Sauerstoffliganden $[(\text{C}_5\text{H}_5)\text{Co}(\text{P}(\text{OMe})_2\text{O})_3]^-$. Eliminierung statt C-C-Bindungsbildung bei der Reaktion mit resonanzstabilisierten Carbanionen (B. Domhöver und W. Kläui), 207

Synthese von π -Allyl-Palladium-Komplexen, stabilisiert durch dreizählige Sauerstoffliganden $[(\text{C}_5\text{H}_5)\text{Co}(\text{P}(\text{OR})_2\text{O})_3]^-$ (B. Domhöver, H. Hamers, W. Kläui und M. Pfeffer), 197

Uranium

Reactivity of the cationic uranium amide compound $[U(\eta\text{-C}_8\text{H}_8)(\text{NEt}_2)(\text{OC}_4\text{H}_8)_2][\text{BPh}_4]$ (C. Boisson, J.C. Berthet, M. Ephritikhine, M. Lance and M. Nieclich), 249

Vanadium

Neue Vanadium-Komplexe mit substituentenfreien Phosphorliganden (M. Herberhold, G. Frohmader und W. Milius), 185

Vinyl chlorosilanes

Koordinationsverhalten vinyl- und alkynylfunktionalisierter Chlorsilane (H. Lang, M. Weinmann und L. Zsolnai), 277

Vinylidene

Some neutral ruthenium vinylidene complexes and a novel 1,3-elimination reaction: preparation of chiral ruthenium acetylides (M.I. Bruce, B.C. Hall, N.N. Zaitseva, B.W. Skelton and A.H. White), 307

Water soluble phosphines

Water soluble phosphines. VIII. Palladium-catalyzed P-C cross coupling reactions between primary or secondary phosphines and functional aryl iodides — a novel synthetic route to water soluble phosphines (O. Herd, A. Heßler, M. Hingst, M. Tepper and O. Selzler), 69

X-ray crystallography

Neue Vanadium-Komplexe mit substituentenfreien Phosphorliganden (M. Herberhold, G. Frohmader und W. Milius), 185

X-ray diffraction

Interaction of carbon dioxide with the bis(trimethylsilyl)acetylene complex of permethyltitanocene: synthesis and structure of the binuclear carbonate complex of permethyltitanocene $(\text{Cp}_2^+\text{Ti})_2\text{CO}_3$ (V.V. Burlakov, F.M. Dolgushin, A.I. Yanovsky, Yu.T. Struchkov, V.B. Shur, U. Rosenthal and U. Thewalt), 241

Synthesis, ^{31}P NMR data and X-ray analysis of a ruthenium(II) dimethylphenylphosphine complex with dimerized phenylacetylene: the structure of $\{(\text{PhMe}_2\text{P})_2\text{Ru}(\eta^3\text{-PhC}_3\text{CHPh})(\text{PF}_6)_2\}$ (D.C. Liles and P.F.M. Verhoeven), 33

Synthesis and characterisation of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-SX}\mu_3\text{-Te})$. Crystal structure of $\text{CpCoFe}_2(\text{CO})_6(\mu_3\text{-SeX}\mu_3\text{-Te})$ (P. Mathur, P. Sekar, C.V.V. Satyanarayana and M.F. Mahon), 291

X-ray structure

C- and O-metallation of N-benzylideneamines by palladium(II). Synthesis and X-ray crystal structure of $[\text{Pd}(2\text{-}\{\text{CH}=\text{N}-(\text{CH}_2)_2\text{-}4'-(\text{MeO})\text{C}_6\text{H}_4\}-4,5-(\text{MeO})_2\text{C}_6\text{H}_2\}\text{Br}(\text{PPh}_3))]$ (J. Albert, J. Granell, R. Moragas, M. Font-Bardfa and X. Solans), 59

Cyclometallation of 2-phenylamine and (*R*)- α -methylbenzylamine by palladium(II) acetate. X-ray molecular structure of $[\text{Pd}(2\text{-}(2\text{-}$

$\bar{\text{N}}\text{H}_2\text{C}_6\text{H}_4)\text{C}_6\text{H}_4]\text{Br}(\text{PPh}_3)]$ (J. Albert, J. Granell, A. Luque, J. Mínguez, R. Moragas, M. Font-Bardfa and X. Solans), 87

Synthesis and crystal structures of tetrakis(nitratomercurio)methane monohydrate and bis(sulphatomercurio)bis(aquamercuro)methane (D. Grdenić, B. Korpar-Čolig and D. Matković-Čalogović), 297

Synthesis reactivity and molecular structure of 2'-methylspiro[cyclohexane-1,3'-3*H*-indole] chromium tricarbonyl complex (J.G. Rodríguez, A. Urrutia, I. Fonseca and J. Sanz), 231

X-ray structures

1,2-Bis(dimethylamino)ethan-Komplexe von heteroleptischen Alkylzink-Verbindungen: Zusammenhang zwischen Zn-N-Abstand und R-Zn-R'-Bindungswinkel (M. Westerhausen, M. Wieneke und W. Schwarz), 137

Zinc

1,2-Bis(dimethylamino)ethan-Komplexe von heteroleptischen Alkylzink-Verbindungen: Zusammenhang zwischen Zn-N-Abstand und R-Zn-R'-Bindungswinkel (M. Westerhausen, M. Wieneke und W. Schwarz), 137

Zirconium

Preparation, characterization and carbonylation of the ring-functionalized dibenzyl zirconocenes, $(\eta^5\text{-C}_5\text{H}_5)_2((\eta^5\text{-C}_5\text{H}_4)\text{P}(\text{C}_6\text{H}_5)_2)_{2-x}\text{Zr}(\text{CH}_2\text{C}_6\text{H}_5)_2$ ($x = 1$, (1); $x = 0$, (2)) (W. Tikkanen, J. Manning, P. Watkins, M. Gonzalez and M. Borja), 123

Syndiospezifische Polymerisation von Propylen: 2- und 2,7-substituierte Metallocenkomplex des Typs $(\text{C}_{13}\text{H}_{18-n}\text{R}_n\text{CR}'_2\text{C}_5\text{H}_4)\text{-MCl}_2$ ($n = 1, 2$; R = Alkoxy, Alkyl, Aryl, Hal; R' = Me, Ph; M = Zr, Hf) (H.G. Alt und R. Zenk), 39

Book Reviews

Gmelin Handbook of Inorganic and Organometallic Chemistry (G.J. Leigh), 163

Gmelin Handbook of Inorganic and Organometallic Chemistry (C. Eaborn), 164

Lithium Chemistry: A Theoretical and Experimental Overview, A.-M. Sapse and P. v. R. Schleyer (Eds.) (C. Eaborn), 163

Organosilicon Chemistry II: from molecules to materials, N. Auner and J. Weis (Eds.) (C. Eaborn), 164

Photochemistry and Photophysics of Metal Complexes, D.M. Roundhill (Ed.) (M. Poliakoff), 162

Stereodirected Synthesis with Organoboranes, D.S. Mautson (Ed.) (S. Caddick), 161

The Chemistry of Metal CVD, T.T. Kodas and M.J. Hampden-Smith (Eds.) (J.D. Smith), 161