

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 307 (1986)**SUBJECT INDEX****Aluminium**

- Alkylaluminium ester complexes, stoichiometry of (G. Fochi), (307) 145
 Trimethylaluminium synthesis from methyl iodide via methylaluminium sesquiodide, ultrasonic irradiation in (P.-H. Yang, K.-F. Liou, Y.-T. Lin), (307) 273

Arsenic

- Allylic arsenites, reactions with low valent transition metal complexes of (X. Lu, L. Lu), (307) 285
 Carbonyliron RP-bridged clusters, reversible alkyne addition to (K. Knoll, G. Huttner, L. Zsolnai), (307) 237

Boron

- Bis(alkynyl)boranes, borol synthesis by organoboration of (A. Sebald, B. Wrackmeyer), (307) 157
 1,3-Diborabenzene complexes containing carbonyliron groups, preparation of (G.E. Herberich, H. Ohst), (307) C16
 $6\text{-H}_3\text{N}\text{-6-}\text{CB}_9\text{H}_{11}$, isolation and reactions of (T. Jelinek, B. Štibr, J. Plešek, S. Heřmánek), (307) C13
 Organylboronic bicyclic esters derived from iminodiacetic acids (T. Mancilla, R. Contreras, B. Wrackmeyer), (307) 1

Chromium

- Alkenylphosphanes RPX_2 and R_2PX ($\text{X} = \text{NEt}_2, \text{Cl}$), function as monodentate ligands and potential hemilabile chelating agents in metal(0) complexes of (K. Diemert, B. Kottwitz, W. Kuchen), (307) 291
 1,3-Dipolar germylene ligands, interaction with chromium and tungsten complexes of (A. Castel, P. Rivière, J. Satgé, M. Ahbala, J. Jaud), (307) 205

Methyl- and t-butyl-substituted (η^6 -benzene)tricarbonylchromium(0) complexes, dielectric, electro-optic, IR and ^1H NMR spectra of and solvent effects on (M.J. Aroney, M.K. Cooper, R.K. Pierens, S.J. Pratten, S.W. Filipczuk), (307) 191

Pentacarbonylmercaptoporphane- and tetracarbonyl-bis(mercaptoporphane)-chromium, -molybdenum and -tungsten complexes, synthesis and spectroscopic investigations of (J. Grobe, D. Le Van, W. Meyring), (307) 327

Cobalt

Cobalt atoms as catalysts of the synthesis of pyridines from nitriles and acetylenes (G. Vitulli, S. Bertozi, R. Lazzaroni, P. Salvadori), (307) C35

Ruthenium-cobalt homogeneous systems, catalysis of reductive carbonylation of carboxylic esters by; homologation of the alkoxy moiety (G. Jenner, P. Andrianary), (307) 263

Silica-supported carbonylcobalt cluster, synthesis and catalysis of (Y.-P. Wang, S.-M. Zhang, A.-M. Zhang, N. Wu, Y.-Z. Luo, H.-X. Fu), (307) 65

Copper

1-Acetoxy-1,2,2-triethoxyethane, reactions with organometallic compounds of (A. Stambouli, R. Amouroux, F. Chastrette, M. Chastrette, G. Mattioli, A. Blanc), (307) 139

Germanium

1,3-Dipolar germylene ligands, interaction with chromium and tungsten complexes of (A. Castel, P. Rivière, J. Satgé, M. Ahbala, J. Jaud), (307) 205

Gold

Gold clusters, synthesis and characterisation of $[Au_8(PPh_3)_7(CNR)]^{2+}$, $[Au_9(PPh_3)_6-(CNR)_2]^{3+}$ and $[Au_{11}(PPh_3)_7(CNR)_2I]^{2+}$ and reactivity towards amines of; crystal structure of $[Au_{11}(PPh_3)_7(CN-i-Pr)_2I](PF_6)_2$ (W. Bos, R.P.F. Kanders, C.J. van Halen, W.P. Bosman, H. Behm, J.M.M. Smits, P.T. Beurskens, J.J. Bour, L.H. Pignolet), (307) 385

Metal atom-free radical reactions, generality of; synthesis of trifluoromethylalkyls of gold(III) and silver (M.A. Guerra, T.R. Bierschenk, R.J. Lagow), (307) C58

Hafnium

Titanium, zirconium and hafnium mixed sandwich compounds, He(I) and He(II) photo-electron spectra of (R.R. Andréa, A. Terpstra, A. Oskam, P. Bruin, J.H. Teuben), (307) 307

Iridium

Tetrafluorobenzobarreleneiridium complexes with 1,10-phenanthroline, 2,2'-bipyridine and diketonate ligands; crystal structure of $[IrI_2(TFB)(phen)ClO_4 \cdot (CH_3)_2CO]$ (TFB = 5,6,7,8-tetrafluoro-1,4-dihydro-1,4-dihydro-1,4-ethenonaphthalene, phen = 1,10-phenanthroline) (L.A. Oro, D. Carmona, M.A. Esteruelas, C. Foces-Foces, F.H. Cano), (307) 83

Iron

Carbonyliron RP-bridged clusters, reversible alkyne addition of (K. Knoll, G. Huttner, L. Zsolnai), (307) 237

μ -Chloro- μ -(diphenylethenyl)hexacarbonyldi-iron ($Fe-Fe$), synthesis and crystal structure of (J. Ros, J.M. Viñas, R. Mathieu, X. Solans, M. Font-Bardia), (307) C7

($\eta^5-C_5Me_5$)Os(CO)(PMe₂Ph)Me oxidative reactions; isolation of intermediates during alkyl-metal electrophilic cleavage reactions of (L.J. Sanderson, M.C. Baird), (307) C1

1,3-Diborabenzene complexes containing carbonyliron groups, preparation of (G.E. Herberich, H. Ohst), (307) C16

$Fe_3(N\equiv CMe)(CO)_9$ formation during reactions of $Fe_3(\mu_3-CMe)(CO)_{10}X$ clusters with alkynes (X = NO) or diazoalkanes (X = H); first examples of ethyldyne-nitrogen coupling to acetonitrile (D. Nuel, R. Mathieu), (307) C5

{ Fe_4S_4 } cluster, formation of $\{Fe_2S_2\}$ - and $\{Fe_2S\}$ -carbonyls from; crystal structure of $[Fe_3S(CO)_9]^{2-}$ (F.T. Al-Ani, D.L. Hughes, C.J. Pickett), (307) C31

[$FeW(\mu-CC_6H_4Me-4)(CO)_5(\eta-C_5Me_5)$], addition of methylene groups to (E. Delgado, J. Hein, J.C. Jeffery, A.L. Ratermann, F.G.A. Stone), (307) C23

Hexamethylbenzene, bifunctionalisation via temporary coordination to Fe^{2+} of (D. Mandon, D. Astruc), (307) C27

Indenyliron cationic complexes, $[\eta^5-C_9H_7Fe(CO)_2L]^+$ (L = phosphine, phosphite, CO), synthesis of (H.H. Hammud, G.M. Moran), (307) 255

Trimetallic complex containing three redox centres, syntheses of; assessment of inductive effect transmission through an iron atom (P.D. Beer, S.M. Charsley, C.J. Jones, J.A. McCleverty), (307) C19

(η^6 -1-Triphenylstannylbenzene)(η^5 -cyclopenta-diienyl)iron(II) hexafluorophosphate, preparation, structure and reactivity of (C.S. Frampton, K.G. Ofori-Okai, R.M.G. Roberts, J. Silver), (307) 231

Lead

Allylic arsenites, reactions with low valent transition metal complexes of (X. Lu, L. Lu), (307) 285

Methylbenzalazines with Pd-C(aliphatic) bonds, six-membered cyclometallated compounds of (R.M.^a. Ceder, J. Granell, J. Sales), (307) C44

Palladium(II) and platinum(II) derivatives with chiral 2,2'-bipyridines; X-ray structure of $C_{18}H_{15}ClN_2Pd$; C- and N-coordination in a six-membered metallacycle (G. Minghetti, M.A. Cinelli, G. Chelucci, S. Gladiali, F. Demartin, M. Manassero), (307) 107

Lithium

1-Acetoxy-1,2,2-triethoxyethane, reactions with organometallic compounds of (A. Stambouli, R. Amouroux, F. Chastrette, M. Chastrette, G. Mattioda, A. Blanc), (307) 139

1,3-Diborabenzene complexes containing carbonyliron groups, preparation of (G.E. Herberich, H. Ohst), (307) C16

Tetrachlorotitanium and trichlorocyclopentadienyltitanium, reactions with tridentate triaminosilyl ligands; crystal and molecular structure of a titanabicycloheptane with Si-N-Li-Cl-Ti chain (D.J. Brauer, H. Bürger, G.R. Liewald), (307) 177

effect transmission through an iron atom (P.D. Beer, S.M. Charsley, C.J. Jones, J.A. McCleverty), (307) C19

(η^6 -1-Triphenylstannylbenzene)(η^5 -cyclopentadienyl)iron(II) hexafluorophosphate, preparation, structure and reactivity of (C.S. Frampton, K.G. Ofori-Okai, R.M.G. Roberts, J. Silver), (307) 231

Magnesium

1-Acetoxy-1,2,2-triethoxyethane, reactions with organometallic compounds of (A. Stambouli, R. Amouroux, F. Chastrette, M. Chastrette, G. Mattioda, A. Blanc), (307) 139

Manganese

Carbonyl-manganese(I) and -molybdenum(II) mononuclear complexes with chelating biimidazole, bibenzimidazole or tetramethyl-biimidazole ligands (M.P. Gamasa, E. Garcia, J. Gimeno, C. Ballesteros), (307) 39

Phosphido-bridged dinuclear manganese complexes, synthesis and ligand substitution chemistry of; X-ray crystal structures of $Mn_2(\mu\text{-H})(\mu\text{-Cy}_2\text{P})(\text{CO})_7(\text{Cy}_2\text{PH})$ and $Mn_2(\mu\text{-H})(\mu\text{-Cy}_2\text{P})(\text{CO})_6(\text{PMMe}_3)_2$ ($\text{Cy} = \text{cyclohexyl}$) (A.M. Arif, R.A. Jones, S.T. Schwab), (307) 219

Molybdenum

Alkenylphosphanes RPX_2 and R_2PX ($X = \text{Ne}_2$, Cl), function as monodentate ligands and potential hemilabile chelating agents in metal(0) complexes of (K. Diemert, B. Kottwitz, W. Kuchen), (307) 291

Carbonyl-managanese(I) and -molybdenum(II) mononuclear complexes with chelating biimidazole, bibenzimidazole or tetramethylbiimidazole ligands (M.P. Gamasa, E. Garcia, J. Gimeno, C. Ballesteros), (307) 39

Dicyclopentadienyl-diligand-molybdenum and -titanium complexes, estimation of stepwise M-L bond dissociation enthalpies in (M.J. Calhorda, A.R. Dias, A.M. Galvão, J.A. Martinho Simões), (307) 167

Hexacarbonylmolybdenum, reductive coupling with thioketals of (C.S. Wong, W.S. Leung, L.L. Yeung, T.-Y. Luh), (307) C49

Pentacarbonylmercaptophosphane- and tetracarbonyl-bis(mercaptophosphane)-chromium, -molybdenum and -tungsten complexes, synthesis and spectroscopic investigations of (J. Grobe, D. Le Van, W. Meyring), (307) 327

Trimetallic complex containing three redox centres, syntheses of; assessment of inductive effect transmission through an iron atom (P.D. Beer, S.M. Charsley, C.J. Jones, J.A. McCleverty), (307) C19

Mercury

($\eta^5\text{-C}_5\text{Me}_5\text{Os}(\text{CO})(\text{PMMe}_2\text{Ph})\text{Me}$ oxidative reactions; isolation of intermediates during alkyl-metal electrophilic cleavage reactions of (L.J. Sanderson, M.C. Baird), (307) C1

Nickel

($\eta^5\text{-C}_5\text{H}_5\text{)}\text{NiOs}_3(\mu\text{-H})_3(\text{CO})_9$, reactions with Group V donor ligands, spectroscopic characterisation of disubstituted derivatives of; crystal structure of ($\eta^5\text{-C}_5\text{H}_5\text{)}\text{NiOs}_3(\mu\text{-H})_3(\text{CO})_7(\text{PMMe}_2\text{Ph})_2$ (E. Sappa, M.L.N. Marchino, G. Predieri, A. Tiripicchio, M. Tiripicchio-Camellini), (307) 97

Oxanickela complexes and pentenoic acids, reaction products from C-C coupling of alkenes with CO_2 to nickel(0) (H. Hoberg, Y. Peres, A. Milchereit), (307) C41

Metallocenes

($\eta^5\text{-C}_5\text{H}_5\text{)}_2\text{Zr}[\text{CH}(\text{SC}_6\text{H}_5)\text{C}_6\text{H}_5]_2$, thermally induced elimination from (E.A. Mintz, A.S. Ward), (307) C52

Titanium, zirconium and hafnium mixed sandwich compounds, He(I) and He(II) photo-electron spectra of (R.R. Andréa, A. Terpstra, A. Oskam, P. Bruin, J.H. Teuben), (307) 307

Trimetallic complex containing three redox centres, syntheses of; assessment of inductive

Oxanickelacyclopentanones and cinnamic acid, reaction products from C-C coupling of alkenes with CO₂ to nickel(0) (H. Hoberg, Y. Peres, A. Milchereit), (307) C38

1-Phosphaallene η^1 -complexation with tetracarbonylnickel (R. Appel, F. Knoch, V. Winkhaus), (307) 93

Osmium

($\eta^5\text{-C}_5\text{H}_5$)₂NiOs₃($\mu\text{-H}$)₃(CO)₉, reactions with Group V donor ligands, spectroscopic characterisation of disubstituted derivatives of; crystal structure of ($\eta^5\text{-C}_5\text{H}_5$)₂NiOs₃($\mu\text{-H}$)₃(CO)₇(PMe₂Ph)₂ (E. Sappa, M.L.N. Marchino, G. Predieri, A. Tiripicchio, M. Tiripicchio-Camellini), (307) 97

($\eta^5\text{-C}_5\text{Me}_5$)Os(CO)(PMe₂Ph)Me oxidative reactions; isolation of intermediates during alkyl-metal electrophilic cleavage reactions of (L.J. Sanderson, M.C. Baird), (307) C1

Osma-five-membered heterocyclic compounds, formation by insertion reactions of alkyne into Os-I or Os-H bonds of (H. Werner, R. Weinand, H. Otto), (307) 49

[Ru₃(CO)₁₁(CNBu^t)] and [Os₃(CO)₁₁(CNBu^t)], X-ray structures of (M.I. Bruce, G.N. Pain, C. Hughes, J.M. Patrick, B.W. Skelton, A.H. White), (307) 343

Triosmium cluster, [Os₃(CO)₁₀(NCMe)₂], synthetic studies of reactions with aldehydes of (B.F.G. Johnson, J. Lewis, T.I. Odiaka), (307) 61

Phosphorus

Alkenylphosphanes RPX₂ and R₂PX (X = NEt₂, Cl), function as monodentate ligands and potential hemilabile chelating agents in metal(0) complexes of (K. Diemert, B. Kottwitz, W. Kuchen), (307) 291

Carbyliron RP-bridged clusters, reversible alkyne addition to (K. Knoll, G. Huttner, L. Zsolnai), (307) 237

($\eta^5\text{-C}_5\text{H}_5$)₂NiOs₃($\mu\text{-H}$)₃(CO)₉, reactions with Group V donor ligands, spectroscopic characterisation of disubstituted derivatives of; crystal structure of ($\eta^5\text{-C}_5\text{H}_5$)₂NiOs₃($\mu\text{-H}$)₃(CO)₇(PMe₂Ph)₂ (E. Sappa, M.L.N. Marchino, G. Predieri, A. Tiripicchio, M. Tiripicchio-Camellini), (307) 97

1,3-Diborabenzene complexes containing carbonyliron groups, preparation of (G.E. Herberich, H. Ohst), (307) C16

cis-Diphenylplatinum(II) nitro-substituted compounds, synthesis of (H.A. Brune, B. Stapp, G. Schmidtberg), (307) 129

Gold clusters, synthesis and characterisation of [Au₈(PPh₃)₇(CNR)]²⁺, [Au₉(PPh₃)₆(CNR)₂]³⁺ and [Au₁₁(PPh₃)₇(CNR)₂]I²⁺ and reactivity towards amines of; crystal structure of [Au₁₁(PPh₃)₇(CN-i-Pr)₂]I(PF₆)₂ (W. Bos, R.P.F. Kanters, C.J. van Halen, W.P. Bosman, H. Behm, J.M.M. Smits, P.T. Beurskens, J.J. Bour, L.H. Pignolet), (307) 385

Indenyliron cationic complexes, [$\eta^5\text{-C}_5\text{H}_5$ -Fe(CO)₂L]⁺ (L = phosphine, phosphite, CO), synthesis of (H.H. Hammud, G.M. Moran), (307) 255

Osma-five-membered heterocyclic compounds, formation by insertion reactions of alkyne into Os-I or Os-H bonds of (H. Werner, R. Weinand, H. Otto), (307) 49

³¹P and ¹⁹⁵Pt investigations of substituted *cis*- and *trans*-diphenylbis(tri-n-butylphosphane)platinum(II) compounds (H.G. Alt, W.-D. Müller, J. Unsin, H.A. Brune), (307) 121

Pentacarbonylmercaptoporphane- and tetra-carbonylbis(mercaptoporphane)-chromium, -molybdenum and -tungsten complexes, synthesis and spectroscopic investigations of (J. Grobe, D. Le Van, W. Meyring), (307) 327

1-Phosphaallene η^1 -complexation with tetracarbonylnickel (R. Appel, F. Knoch, V. Winkhaus), (307) 93

Phosphido-bridged dinuclear manganese complexes, synthesis and ligand substitution chemistry of; X-ray crystal structures of Mn₂($\mu\text{-H}$)($\mu\text{-Cy}_2\text{P}$)(CO)₇(Cy₂PH) and Mn₂($\mu\text{-H}$)($\mu\text{-Cy}_2\text{P}$)(CO)₆(PMe₃)₂ (Cy = cyclohexyl) (A.M. Arif, R.A. Jones, S.T. Schwab), (307) 219

Silica-supported carbonylcobalt cluster, synthesis and catalysis of (Y.-P. Wang, S.-M. Zhang, A.-M. Zhang, N. Wu, Y.-Z. Luo, H.-X. Fu), (307) 65

Platinum

Allylic arsenites, reactions with low valent transition metal complexes of (X. Lu, L. Lu), (307) 285

trans-Chloro(*N,N*-dimethyl-*D*-phenylglycine)(3-methyl-1-phenylpent-1-ene)platinum(II) complexes, HPLC separation and identification of the diastereomers (D. Schmidt, E. Gil-Av), (307) 377

cis-Diphenylplatinum(II) nitro-substituted compounds, synthesis of (H.A. Brune, B. Stapp, G. Schmidtberg), (307) 129

Palladium(II) and platinum(II) derivatives with chiral 2,2'-bipyridines; X-ray structure of $C_{18}H_{15}ClN_2Pd$; *C*- and *N*-coordination in a six-membered metallacycle (G. Minghetti, M.A. Cinelli, G. Chelucci, S. Gladiali, F. Demartin, M. Manassero), (307) 107

^{31}P and ^{195}Pt investigations of substituted *cis*- and *trans*-diphenylbis(tri-*n*-butylphosphane)platinum(II) compounds (H.G. Alt, W.-D. Müller, J. Unsin, H.A. Brune), (307) 121

Platinum(II) chloride mononuclear complexes with *N*-[(triorganosilyl)alkyl]ethylenediamines (C. Hu, J.-G. He, D.H. O'Brien, K.J. Irgolic), (307) 115

Rhodium

Bis(dicarbonylchlororhodium), $[Rh(CO)_2Cl]_2$, reactivity patterns in reactions with chelating ketones of (J.W. Suggs, M.J. Wovkulich, P.G. Williard, K.S. Lee), (307) 71

π -Cyclohexadienonerhodium(I) acetylacetone derivatives; crystal and molecular structure of rhodium (η^4 -4-methyl-4-*exo*-trichloromethyl-2,5-cyclohexadiene-1-one)(pentane-*O*, *O'*-2,4-dionate) (V.A. Nikanorov, V.I. Rozenberg, A.I. Yanovsky, Yu.T. Struchkov, O.A. Reutov, B.I. Ginzburg, V.V. Kaverin, V.P. Yur'ev), (307) 363

(1-Methylene-4,4-dialkyl-2,5-cyclohexadienes), mixed (η^2 : η^4) coordination with two transition metal centres in bi- and tri-nuclear rhodium(I) complexes (V.A. Nikanorov, V.I. Rozenberg, V.I. Bakhmutov, O.A. Reutov, B.I. Ginzburg, V.V. Kaverin, V.P. Yur'ev), (307) 351

Ruthenium

Cycloheptatriene and cyclohepta-1,3-diene insertion into Ru-H bond of $RuHCl(PPh_3)_3$, formation of $Ru(\eta^5-C_7H_9)Cl(PPh_3)_2$ and $Ru(\eta^3-C_7H_{11})Cl(PPh_3)_2$ (M. Grassi, B.E. Mann, P. Manning, C.M. Spencer), (307) C55
 $[Ru_3(CO)_{11}(CNBu^t)]$ and $[Os_3(CO)_{11}(CNBu^t)]$, X-ray structures of (M.I. Bruce, G.N. Pain, C. Hughes, J.M. Patrick, B.W. Skelton, A.H. White), (307) 343

Ruthenium-cobalt homogeneous systems, catalysis of reductive carbonylation of carboxylic

esters by; homologation of the alkoxy moiety (G. Jenner, P. Andrianary), (307) 263

Silicon

Hexafluorodisilane pyrolysis as a source for highly reactive difluorosilylene (S. Konieczny, P.P. Gaspar, J. Wormhoudt), (307) 151

Platinum(II) chloride mononuclear complexes with *N*-[(triorganosilyl)alkyl]ethylenediamines (C. Hu, J.-G. He, D.H. O'Brien, K.J. Irgolic), (307) 115

Silafluorennes, precursors to (J.Y. Corey, L.S. Chang), (307) 7

Silica-supported carbonylcobalt cluster, synthesis and catalysis of (Y.-P. Wang, S.-M. Zhang, A.-M. Zhang, N. Wu, Y.-Z. Luo, H.-X. Fu), (307) 65

Silylated cyclobutenes, synthesis of (L. Birkofner, D. Eichstädt), (307) 279

Tetrachlorotitanium and trichlorocyclopentadienyltitanium, reactions with tridentate triaminosilyl ligands; crystal and molecular structure of a titanabicycloheptane with Si-N-Li-Cl-Ti chain (D.J. Brauer, H. Bürger, G.R. Liewald), (307) 177

Silver

Metal atom-free radical reactions, generality of; synthesis of trifluoromethylalkyls of gold(III) and silver (M.A. Guerra, T.R. Bierschenk, R.J. Lagow), (307) C58

Sulphur

($\eta^5-C_5H_5$)₂Zr[CH(SC₆H₅)C₆H₅]₂, thermally induced elimination of stilbene from (E.A. Mintz, A.S. Ward), (307) C52

Fe_4S_4 cluster, formation of Fe_2S_2 - and Fe_3S -carbonyls from; crystal structure of $[Fe_3S(CO)_9]^{2-}$ (F.T. Al-Ani, D.L. Hughes, C.J. Pickett), (307) C31

Hexacarbonylmolybdenum, reductive coupling with thioketals of (C.S. Wong, W.S. Leung, L.L. Yeung, T.-Y. Luh), (307) C49

Mono- η^5 -cyclopentadienyl-titanium(IV) and -zirconium(IV) complexes with one or two toluene-3,4-dithiolate ligands, synthesis of (H. Köpf, T. Klapötke), (307) 319

Pentacarbonylmercaptophosphane- and tetra-carbonyl-bis(mercaptophosphane)-chromium,

-molybdenum and -tungsten complexes, synthesis and spectroscopic investigations of (J. Grobe, D. Le Van, W. Meyring), (307) 327

Thorium

Indenyl-f-metal cationic complexes with pentagonal bipyramidal geometry; crystal structures of $[C_9H_7UBr_2(CH_3CN)_4]^{+}_2 [UBr_6]^{2-}$ and $[(C_9H_7UBr(CH_3CN)_4)_2O]^{2+} [UBr_6]^{2-}$ (W. Beeckman, J. Goffart, J. Rebizant, M.R. Spirlet), (307) 23

Tin

Bis(alkynyl)boranes, borol synthesis by organoboration of (A. Sebald, B. Wrackmeyer), (307) 157

Methylphenyltin dichloride and dihydride, electroreduction with formation of bis(chlormethylphenyltin) of (M. Engel, M. Devaud), (307) 15

(η^6 -1-Triphenylstannylbenzene)(η^5 -cyclopentadienyl)iron(II) hexafluorophosphate, preparation, structure and reactivity of (C.S. Frampton, K.G. Ofori-Okai, R.M.G. Roberts, J. Silver), (307) 231

Titanium

Dicyclopentadienyl-diligan-molybdenum and -titanium complexes, estimation of stepwise M-L bond dissociation enthalpies in (M.J. Calhorda, A.R. Dias, A.M. Galvão, J.A. Martinho Simões), (307) 167

Mono- η^5 -cyclopentadienyl-titanium(IV) and -zirconium(IV) complexes with one or two toluene-3,4-dithiolate ligands, synthesis of (H. Köpf, T. Klapötke), (307) 319

Tetrachlorotitanium and trichlorocyclopentadienyltitanium, reactions with tridentate triaminosilyl ligands; crystal and molecular structure of a titanabicycloheptane with Si-N-Li-Cl-Ti chain (D.J. Brauer, H. Bürger, G.R. Liewald), 177

Titanium, zirconium and hafnium mixed sandwich compounds, He(I) and He(II) photoelectron spectra of (R.R. Andréa, A. Terpstra, A. Oskam, P. Bruin, J.H. Teuben), (307) 307

Tungsten

Alkenylphosphanes RPX₂ and R₂PX (X = NEt₂, Cl), function as monodentate ligands and potential hemilabile chelating agents in metal(0) complexes of (K. Diemert, B. Kottwitz, W. Kuchen), (307) 291

1,3-Dipolar germylene ligands, interaction with chromium and tungsten complexes of (A. Castel, P. Rivière, J. Satgé, M. Ahbala, J. Jaud), (307) 205

[FeW(μ -CC₆H₄Me-4)(CO)₅(η -C₅Me₅)], addition of methylene groups to (E. Delgado, J. Hein, J.C. Jeffery, A.L. Ratemann, F.G.A. Stone), (307) C23

Pentacarbonylmercaptoporphane- and tetracarbonyl-bis(mercaptoporphane)-chromium, -molybdenum and -tungsten complexes, synthesis and spectroscopic investigations of (J. Grobe, D. Le Van, W. Meyring), (307) 327

Uranium

Indenyl-f-metal cationic complexes with pentagonal bipyramidal geometry; crystal structures of $[C_9H_7UBr_2(CH_3CN)_4]^{+}_2 [UBr_6]^{2-}$ and $[(C_9H_7UBr(CH_3CN)_4)_2O]^{2+} [UBr_6]^{2-}$ (W. Beeckman, J. Goffart, J. Rebizant, M.R. Spirlet), (307) 23

Zirconium

(η^5 -C₅H₅)₂Zr[CH(SC₆H₅)C₆H₅]₂, thermally induced elimination of stilbene from (E.A. Mintz, A.S. Ward), (307) C52

Mono- η^5 -cyclopentadienyl-titanium(IV) and -zirconium(IV) complexes with one or two toluene-3,4-dithiolate ligands, synthesis of (H. Köpf, T. Klapötke), (307) 319

Titanium, zirconium and hafnium mixed sandwich compounds, He(I) and He(II) photoelectron spectra of (R.R. Andréa, A. Terpstra, A. Oskam, P. Bruin, J.H. Teuben), (307) 307

Book reviews

Gmelin handbook of inorganic chemistry, 8th edit., Cu, organocopper compounds, Part 1; by J. Faust, J. Füssel and H. Somer (C. Eaborn) (307) C63

Organomercury compounds in organic synthesis; by R.C. Larock (P.A. Chaloner) (307) C10