

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 333 (1987)

SUBJECT INDEX
Aluminium

Cyclopentadienyltitanium chlorides and organoaluminium chlorides, effects of methyl substituents at the C_5H_5 ligand on properties of (K. Mach, V. Varga, H. Antropiusová, J. Poláček), (333) 205

“Ethylaluminium diethoxide”, a mixture of four compounds (R. Benn, E. Janssen, H. Lehmkuhl, A. Ruffínska), (333) 181

Organoaluminium compounds, ^{27}Al NMR spectroscopic characterisation of (R. Benn, E. Janssen, H. Lehmkuhl, A. Ruffínska), (333) 155

Trialkylaluminium coordination complexes with dialkylaluminium alkoxides (R. Benn, E. Janssen, H. Lehmkuhl, A. Ruffínska), (333) 169

Antimony

μ -Oxobis[chlorotriphenylantimony(V)] benzene solvate (1/2), crystal and molecular structure of (E.R.T. Tiekink), (333) 199

Tris(trifluoromethyl)antimony, $Sb(CF_3)_3$, synthesis and NMR spectra of (D. Naumann, W. Tyrra, F. Leifeld), (333) 193

Arsenic

Pentamethylcyclopentadienyl-substituted diphosphenes and phospharsenes (P. Jutzi, U. Meyer), (333) C18

Boron

Low-valent cobalt reagent from $CoCl_2$ and $NaBH_4/C_2H_5OH$ in the presence of CO , reactions of (N. Satyanarayana, M. Periasamy), (333) C33

Organoaluminium compounds, ^{27}Al NMR spectroscopic characterisation of (R. Benn, E. Janssen, H. Lehmkuhl, A. Ruffínska), (333) 155

Organo-silicon or -boron halides, kinetically and thermodynamically controlled interaction with acylphosphine-lithium salts of (I.F. Lutsenko, V.L. Foss, Yu.A. Veits, E.G. Neganova, A.A. Borisenko), (333) C45

Cadmium

Tris(trifluoromethyl)antimony, $Sb(CF_3)_3$, synthesis and NMR spectra of (D. Naumann, W. Tyrra, F. Leifeld), (333) 193

Chromium

Bis(η^6 -anti-[2₂]metacyclophane)chromium(0), preparation and 1H and ^{13}C NMR spectra of (C. Elschenbroich, J. Schneider, H. Meltinghoff), (333) 37

Cobalt

Low-valent cobalt reagent from $CoCl_2$ and $NaBH_4/C_2H_5OH$ in the presence of CO , reactions of (N. Satyanarayana, M. Periasamy), (333) C33

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

Germanium

Group 14 free radicals derived from hydroxynaphthoquinones, ESR studies on (I.M. Ahmed, A. Hudson, A. Alberti), (333) 9

Tris(2-phenyl-2-methylpropyl)germyl radical, ESR study of conformation of (M. Lehnig, W.P. Neumann, E. Wallis), (333) 17

Gold

Keto-stabilised phosphorus ylide gold(I) and gold(III) complexes (J. Vicente, M.T. Chicote, I. Saura-Llamas, J. Turpin, J. Fernandez-Baeza), (333) 129

Iridium

Vinylidene-metal complexes from norbornadiene, isolation of a metallacyclic compound as intermediate (M. Dziallas, H. Werner), (333) C29

Iron

Alkyl lithium and Grignard reagent addition to tetracarbonyliron complexes of α,β -unsaturated esters (D. Rakshit, S.E. Thomas), (333) C3

Alkyne- and phosphalkyne-metal carbonyl complexes, difference in coordination chemistry of; synthesis, crystal and molecular structures of $[\text{Mo}_2(\text{CO})_4(\eta^5\text{-C}_5\text{H}_5)_2]^- (\text{Bu}^t\text{CP})\text{Fe}(\text{CO})_4]$ and $[\text{Mo}_2(\text{CO})_4(\eta^5\text{-C}_5\text{H}_5)_2(\text{Bu}^t\text{CP})\text{W}(\text{CO})_5]$ (P.B. Hitchcock, M.F. Meidine, J.F. Nixon), (333) 337

Bis(ferrocenylamino)glyoxime and its nickel complex, synthesis of (M. Ertas, V. Ahsen, A. Gül, Ö. Bekâröglü), (333) 383

η^4 -Cyclohexadienetricarbonyliron substituted compounds, mechanism of formation by isomerisation of 4-vinyl-cyclohexene derivatives of (J. Rodriguez, P. Brun, B. Waegell), (333) C25

Cyclopentadienyliron complexes of substituted benzenes, product distributions in addition of hydride ion to (R.G. Sutherland, C.H. Zhang, R.L. Chowdhury, A. Piórko, C.C. Lee), (333) 367

Et_2NP -bridged carbonyliron clusters, synthesis and reactions of (K. Knoll, G. Huttner, K. Evertz), (333) 97

Ferrocene polymer-supported derivatives, catalytic hydrosilylation of olefins by supported palladium and platinum complexes (W.R. Cullen, N.F. Han), (333) 269

7-Methyleneheptatrienetricarbonyliron complexes, reaction with tetracyanoethene and subsequent isomerisation of the initial products of (D. Cunningham, N. Hallinan, G. Moran, P. McArdle), (333) 85

Mono[tris(trimethylsilyl)cyclopentadienyl]iron complexes, formation and reactions of (J. Okuda), (333) C41

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.I. Struchkov), (333) 217

Tricarbonylcycloheptatrienoneiron, pressure and solvent effects on the reaction rate with tetracyanoethene (N. Hallinan, P. McArdle, J. Burgess, P. Guardado), (333) 77

Lead

Group 14 free radicals derived from hydroxynaphthoquinones, ESR studies on (I.M. Ahmed, A. Hudson, A. Alberti), (333) 9

Lithium

Alkyl lithium and Grignard reagent addition to tetracarbonyliron complexes of α,β -unsaturated esters (D. Rakshit, S.E. Thomas), (333) C3

N,C-Dilithiosilylamines, preparation and reactions of (S.A. Burns, R.J.P. Cornu, V. Huynh, J.J.E. Moreau), (333) 281

Mono[tris(trimethylsilyl)cyclopentadienyl]iron complexes, formation and reactions of (J. Okuda), (333) C41

Organo-silicon or -boron halides, kinetically and thermodynamically controlled interaction with acylphosphine-lithium salts of (J.F. Lutsenko, V.I. Foss, Yu.A. Veits, E.G. Neganova, A.A. Borisenko), (333) C45

Toluene-soluble 1,2-organobis(phenylphosphido)dilithium crystal compounds, monomeric $1,2\text{-C}_6\text{H}_4(\text{PPh})_2[\text{Li}(\text{TMEDA})]_2$ and the dimeric $\{(\text{PhPCH}_2\text{CH}_2\text{PPh})\{\text{Li}(\text{THF})_2\}_2\}_2$ (D.M. Anderson, P.B. Hitchcock, M.F. Lappert, W.-P. Leung, J.A. Zora), (333) C13

Magnesium

Alkyl lithium and Grignard reagent addition to tetracarbonyliron complexes of α,β -un-

saturated esters (D. Rakshit, S.E. Thomas), (333) C3

α -Unsaturated organozinc and alkynyl-organo-magnesium compounds, regioselective synthesis of 2-substituted pyridine derivatives from *N*-alkoxycarboxylpyridinium salts of (A. Al-Arnaout, G. Courtois, L. Miginiac), (333) 139

Manganese

Methylcyclopentadienyldicarbonylmanganese mono- and di-nuclear complexes of cyano-pyridine and terephthalic acid dinitrile, coordination behaviour and electronic structure in (R. Gross, W. Kaim), (333) 347

Mercury

Hinging towards metal of substituted allyls; synthesis and molecular structure of $[(\eta\text{-}1\text{-EtOOC}_3\text{H}_4)\text{Pd}(\text{meda})\text{BF}_4]$ at 185 K and $[(\eta\text{-}1\text{-EtOOC}_3\text{H}_4)\text{PdCl}]_2$ at 291 K (D.P. Grant, N.W. Murrall, A.J. Welch), (333) 403

Metalloenes

Bis(ferrocenylamino)glyoxime and its nickel complex, synthesis of (M. Ertas, V. Ahsen, A. Gül, Ö. Bekâroğlu), (333) 383

Cyclopentadienyliron complexes of substituted benzenes, product distributions in addition of hydride ion to (R.G. Sutherland, C.H. Zhang, R.L. Chowdhury, A. Piórko, C.C. Lee), (333) 367

Dicyclopentadienyltitanium(IV)-phenoxo complexes, preparation from aqueous solutions of (K. Döppert), (333) C1

Ferrocene polymer-supported derivatives, catalytic hydrosilylation of olefins by supported palladium and platinum complexes (W.R. Cullen, N.F. Han), (333) 269

Molybdenum

Alkyne- and phosphoalkyne-metal carbonyl complexes, difference in coordination chemistry of; synthesis, crystal and molecular structures of $[\text{Mo}_2(\text{CO})_4(\eta^2\text{-C}_5\text{H}_5)_2\text{-}(\text{Bu}^t\text{CP})\text{Fe}(\text{CO})_4]$ and $[\text{Mo}_2(\text{CO})_4(\eta^2\text{-C}_5\text{H}_5)_2(\text{Bu}^t\text{CP})\text{W}(\text{CO})_5]$ (P.B. Hitchcock, M.F. Meidine, J.F. Nixon), (333) 337

Carbonyl-molybdenum and -rhenium cationic complexes, with *N*-heterocycles and tetra-thiafulvalene, preparation of (M. Appel, W. Sacher, W. Beck), (333) 237

2,3-Dicarbomethoxy-7-oxabicyclo[2.2.1]heptadiene, reactions with carbonylmolybdenums of (C.-H. Sun, T.J. Chow), (333) C21

Ditropylmolybdenum complexes by sodium reduction of $[\text{Mo}(\text{CO})_3(\eta\text{-C}_7\text{H}_7)]\text{BF}_4$; X-ray crystal structure of the ditropyl complex $[\{\text{Mo}(\text{CO})_3\}_2(\eta^6, \eta'^6\text{-C}_{14}\text{H}_{14})]$ (H. Adams, N.A. Bailey, D.G. Willett, M.J. Winter), (333) 61

$[\text{MoH}_4(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)_2]$, rapid binding and activation of small molecules in the presence of $\text{HBF}_4 \cdot \text{OEt}_2$ by; crystal structure of the phenylacetylene product *trans*- $[\text{MoF}(\eta^2\text{-PhC}\equiv\text{CH})(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)_2]\text{BF}_4$ (R. Ellis, R.A. Henderson, A. Hills, D.L. Hughes), (333) C6

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

Tricarbonylmethyl- η^5 -pentamethylcyclopentadienyl-molybdenum, photoreaction with 1,3-butadiene of (C.G. Kreiter, G. Wendt, W.S. Sheldrick), (333) 47

Nickel

2,2'-Bipyridine-nickel zerovalent complex, catalyst for electrochemical homocoupling of *ortho*-substituted halides and heterocoupling with *meta*- and *para*-substituted halides (G. Meyer, Y. Rollin, J. Perichon), (333) 263

Bis(ferrocenylamino)glyoxime and its nickel complex, synthesis of (M. Ertas, V. Ahsen, A. Gül, Ö. Bekâroğlu), (333) 383

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

Niobium

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

Osmium

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

Triosmium clusters containing diphosphine and triphosphine ligands (A.J. Deeming, S. Donova-Mtunzi, S.E. Kabir), (333) 253

Palladium

Ferrocene polymer-supported derivatives, catalytic hydrosilylation of olefins by supported palladium and platinum complexes (W.R. Cullen, N.F. Han), (333) 269

Hinging towards metal of substituted allyls: synthesis and molecular structure of $[(\eta\text{-}1\text{-EtOOC}\text{C}_3\text{H}_4)\text{Pd}(\text{tmeda})]\text{BF}_4$ at 185 K and $[(\eta\text{-}1\text{-EtOOC}\text{C}_3\text{H}_4)\text{PdCl}]\text{Cl}_2$ at 291 K (D.P. Grant, N.W. Murrall, A.J. Welch), (333) 403

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

Phosphorus

Alkyne- and phosphalkyne-metal carbonyl complexes, difference in coordination chemistry of; synthesis, crystal and molecular structures of $[\text{Mo}_2(\text{CO})_4(\eta^5\text{-C}_5\text{H}_5)_2\text{-(Bu}^t\text{CP)Fe}(\text{CO})_4]$ and $[\text{Mo}_2(\text{CO})_4(\eta^5\text{-C}_5\text{H}_5)_2(\text{Bu}^t\text{CP)W}(\text{CO})_3]$ (P.B. Hitchcock, M.F. Meidine, J.F. Nixon), (333) 337

Dicyclooctadienyldirrhodium dialkyl-bridged complexes, reactions with Lewis bases and further reactions with aromatic hydrocarbons of (M.A. Kulzick, R.T. Price, R.A. Andersen, E.L. Muetterties), (333) 105

Et_2NP -bridged carbonyliron clusters, synthesis and reactions of (K. Knoll, G. Huttner, K. Evertz), (333) 97

Hydrochalcogenide and hydride-hydrochalcogenide complexes of rhodium with the tripodal tetraphosphine, tris(2-diphenylphosphinoethyl)phosphine) (M. Di Vaira, P. Stopponi, M. Peruzzini), (333) C53

Keto-stabilised phosphorus ylide gold(I) and gold(III) complexes (J. Vicente, M.T. Chicote, I. Saura-Llamas, J. Turpin, J. Fernandez-Baeza), (333) 129

$[\text{MoH}_4(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)_2]$, rapid binding and activation of small molecules in the pres-

ence of $\text{HBF}_4 \cdot \text{OEt}_2$ by; crystal structure of the phenylacetylene product $\text{trans-}[\text{MoF}(\eta^2\text{-PhC}\equiv\text{CH})(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)_2]\text{BF}_4$ (R. Ellis, R.A. Henderson, A. Hills, D.L. Hughes), (333) C6

Monocyclopentadienyltitanium dichloride complexes containing trimethylphosphine and isonitrile ligands, formation and properties of; molecular structure of $(\eta^5\text{-C}_5\text{H}_5)\text{TiCl}_2\text{-(PMe}_3)_2$ (A. Razavi, D.T. Mallin, O. Day, M.D. Rausch, H.G. Alt), (333) C48

Organo-silicon or -boron halides, kinetically and thermodynamically controlled interaction with acylphosphine-lithium salts of (I.F. Lutsenko, V.L. Foss, Yu.A. Veits, E.G. Neganova, A.A. Borisenko), (333) C45

Pentamethylcyclopentadienyl-substituted diphosphenes and phospharsenes (P. Jutzi, U. Meyer), (333) C18

Pentamethylcyclopentadienyldirrhodium(II) di-bridged complexes, protonation and subsequent reactions of the μ -hydridodirrhodium cation, $[(\text{C}_5\text{Me}_5\text{Rh})_2(\mu\text{-PMe}_2)_2(\mu\text{-H})]^+$ (B. Klingert, H. Werner), (333) 119

$(\eta\text{-Pyrrolyl})\text{bis}(\text{triphenylphosphine})\text{rhenium}$ complexes, regioselective elaboration of η -pyrrolyl ligands in, formation of 2,5-diphenylpyrrole and some of its *N*-derivatives (J. Zakrzewski), (333) 71

Samarium(II)-mediated reaction of allylic phosphate esters with carbonyl compounds, new method for "Umpolung" of allylic phosphates (S. Araki, M. Hatano, H. Ito, Y. Butsugan), (333) 329

Toluene-soluble 1,2-organobis(phenylphosphido)dilithium crystal compounds, monomeric $1,2\text{-C}_6\text{H}_4(\text{PPh})_2[\text{Li}(\text{TMEDA})_2]$ and the dimeric $[(\text{PhPCH}_2\text{CH}_2\text{PPh})\{\text{Li}(\text{THF})_2\}]_2$ (D.M. Anderson, P.B. Hitchcock, M.F. Lappert, W.-P. Leung, J.A. Zora), (333) C13

Triosmium clusters containing diphosphine and triphosphine ligands (A.J. Deeming, S. Donova-Mtunzi, S.E. Kabir), (333) 253

Vinylidene-metal complexes from norbornadiene, isolation of a metallacyclic compound as intermediate (M. Dziallas, H. Werner), (333) C29

Platinum

Ferrocene polymer-supported derivatives, catalytic hydrosilylation of olefins by supported palladium and platinum complexes (W.R. Cullen, N.F. Han), (333) 269

Small transition metal clusters, statistical analy-

sis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

Rhenium

Carbonyl-molybdenum and -rhenium cationic complexes, with *N*-heterocycles and tetra-thiafulvalene, preparation of (M. Appel, W. Sacher, W. Beck), (333) 237

(η -Pyrrolyl)bis(triphenylphosphine)rhenium complexes, regioselective elaboration of η -pyrrolyl ligands in, formation of 2,5-diphenylpyrrole and some of its *N*-derivatives (J. Zakrzewski), (333) 71

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

Rhodium

Dicyclooctadienyldirrhodium dialkyl-bridged complexes, reactions with Lewis basis and further reactions with aromatic hydrocarbons of (M.A. Kulzick, R.T. Price, R.A. Andersen, E.L. Muetterties), (333) 105

Hydrochalcogenide and hydride-hydrochalcogenide complexes of rhodium with the tripodal tetraphosphine, tris(2-diphenylphosphinoethyl)phosphine) (M. Di Vaira, P. Stopponi, M. Peruzzini), (333) C53

Pentamethylcyclopentadienyldirrhodium(II) di-bridged complexes, protonation and subsequent reactions of the μ -hydridodirrhodium cation, [(C₅Me₅Rh)₂(μ -PMe₂)₂(μ -H)]⁺ (B. Klingert, H. Werner), (333) 119

1,2,3-Tris(methoxycarbonyl)cyclopentadienyldirrhodium complexes; crystal structure of Rh{ η^4 -C₅H₃(CO₂Me)₃-1,4,5}{ η^5 -C₅H₂(CO₂Me)₃-1,2,3} (M.I. Bruce, P.A. Humphrey, J.K. Walton, B.W. Skelton, A.H. White), (333) 393

Ruthenium

(η^6 -Cyclophane)(η^6 -benzene)ruthenium(II) bis-(tetrafluoroborate complexes and their geometry-dependent ¹³C NMR behaviour (T. Miura, T. Horishita, N. Mori), (333) 387

Hinging towards metal of substituted allyls; synthesis and molecular structure of [(η -1-

EtOOC₃H₄)Pd(tmeda)]BF₄ at 185 K and [(η -1-EtOOC₃H₄)PdCl]₂ at 291 K (D.P. Grant, N.W. Murrall, A.J. Welch), (333) 403

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

Samarium

Samarium(II)-mediated reaction of allylic phosphate esters with carbonyl compounds, new method for "Umpolung" of allylic phosphates (S. Araki, M. Hatano, H. Ito, Y. Butsugan), (333) 329

Selenium

Hydrochalcogenide and hydride-hydrochalcogenide complexes of rhodium with the tripodal tetraphosphine, tris(2-diphenylphosphinoethyl)phosphine) (M. Di Vaira, P. Stopponi, M. Peruzzini), (333) C53

Silicon

Dicyclooctadienyldirrhodium dialkyl-bridged complexes, reactions with Lewis bases and further reactions with aromatic hydrocarbons of (M.A. Kulzick, R.T. Price, R.A. Andersen, E.L. Muetterties), (333) 105

1,4-Dihydroxyoctaphenyltetrasilane, a stable polysilane- α , ω -diol, preparation and spectral properties of (L. Párkányi, H. Stüger, E. Hengge), (333) 187

N,C-Dilithiosilylamines, preparation and reactions of (S.A. Burns, R.J.P. Corriu, V. Huynh, J.J.E. Moreau), (333) 281

Ferrocene polymer-supported derivatives, catalytic hydrosilylation of olefins by supported palladium and platinum complexes (W.R. Cullen, N.F. Han), (333) 269

Group 14 free radicals derived from hydroxynaphthoquinones, ESR studies on (I.M. Ahmed, A. Hudson, A. Alberti), (333) 9

Mono[tris(trimethylsilyl)cyclopentadienyl]iron complexes, formation and reactions of (J. Okuda), (333) C41

Oligocyclic silanes, nature of bonds in (K. Hassler, F.K. Mitter, E. Hengge, C. Kratky, U.G. Wagner), (333) 291

Organoaluminium compounds, ²⁷Al NMR spec-

trosopic characterisation of (R. Benn, E. Janssen, H. Lehmkuhl, A. Ruffińska), (333) 155

Organo-silicon or -boron halides, kinetically and thermodynamically controlled interaction with acylphosphine-lithium salts of (I.F. Lutsenko, V.L. Foss, Yu.A. Veits, E.G. Neganova, A.A. Borisenko), (333) C45

Trialkylstannyl-substituted esters in reactions with trimethylsilyl halides, exchange vs. hydrolysis (J.C. Podesta, A.B. Chopa, A.D. Ayala, L.C. Koll), (333) 25

Triazasilatranes, ^{13}C , ^{15}N and ^{29}Si NMR spectra of (Ě. Kuřce, E. Liepiņš, A. Lapsiņa, G. Zeličāns, E. Lukevics), (333) 1

Sodium

Ditropylmolybdenum complexes by sodium reduction of $[\text{Mo}(\text{CO})_3(\eta\text{-C}_7\text{H}_7)][\text{BF}_4]$: X-ray crystal structure of the ditropyl complex $[\{\text{Mo}(\text{CO})_3\}_2(\eta^6, \eta^6\text{-C}_{14}\text{H}_{14})]$ (H. Adams, N.A. Bailey, D.G. Willett, M.J. Winter), (333) 61

Sulphur

Carbonyl-molybdenum and -rhenium cationic complexes, with *N*-heterocycles and tetra-thiafulvalene, preparation of (M. Appel, W. Sacher, W. Beck), (333) 237

Hydrochalcogenide and hydride-hydrochalcogenide complexes of rhodium with the tripod tetraphosphine, tris(2-diphenylphosphinoethyl)phosphine (M. Di Vaira, P. Stopponi, M. Peruzzini), (333) C53

Keto-stabilised phosphorus ylide gold(I) and gold(III) complexes (J. Vicente, M.T. Chicote, I. Saura-Llamas, J. Turpin, J. Fernandez-Baeza), (333) 129

Tin

Group 14 free radicals derived from hydroxynaphthoquinones, ESR studies on (I.M. Ahmed, A. Hudson, A. Alberti), (333) 9

Octabutyl- μ -dichloro- μ_3 -dioxodichlorotetratrin-(IV), crystal structure of (R. Hämäläinen, U. Turpeinen), (333) 323

Trialkylstannyl-substituted esters in reactions with trimethylsilyl halides, exchange vs. hydrolysis (J.C. Podesta, A.B. Chopa, A.D. Ayala, L.C. Koll), (333) 25

Tribenzyltin(IV) compounds, ^{13}C and ^{119}Sn NMR spectra of (A. Lyčka, J. Jitman, A. Koloničný, J. Holeček), (333) 305

Triorganotin mixed compounds, $\text{R}_3\text{Sn-X-SnR}'_3$, ^{119}Sn evidence for formation in solution of (S.J. Blunden, R. Hill), (333) 317

Titanium

Cyclopentadienyltitanium chlorides and organo-aluminium chlorides, effects of methyl substituents at the C_5H_5 ligand on properties of (K. Mach, V. Varga, H. Antropiusová, J. Poláček), (333) 205

Dicyclopentadienyltitanium(IV)-phenoxo complexes, preparation from aqueous solutions of (K. Döppert), (333) C1

Monocyclopentadienyltitanium dichloride complexes containing trimethylphosphine and isonitrile ligands, formation and properties of; molecular structure of $(\eta^5\text{-C}_5\text{H}_5)\text{-TiCl}_2(\text{PMe}_3)_2$ (A. Razavi, D.T. Mallin, O. Day, M.D. Rausch, H.G. Alt), (333) C48

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu. L. Slovokhotov, Yu.T. Struchkov), (333) 217

Tungsten

Alkyne- and phosphalkyne-metal carbonyl complexes, difference in coordination chemistry of; synthesis, crystal and molecular structures of $[\text{Mo}_2(\text{CO})_4(\eta^5\text{-C}_5\text{H}_5)_2(\text{Bu}^t\text{CP})\text{-Fe}(\text{CO})_4]$ and $[\text{Mo}_2(\text{CO})_4(\eta^5\text{-C}_5\text{H}_5)_2\text{-}(\text{Bu}^t\text{CP})\text{W}(\text{CO})_5]$ (P.B. Hitchcock, M.F. Meidine, J.F. Nixon), (333) 337

Aminocarbenetungsten isomeric complexes containing a free $\text{C}=\text{C}$ bond, synthesis and X-ray structure of (A. Parlier, H. Rudler, J.C. Daran, C. Alvarez), (333) 245

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

Zinc

α -Unsaturated organozinc and alkynyl-organomagnesium compounds, regioselective synthesis of 2-substituted pyridine derivatives from *N*-alkoxycarboxylpyridinium salts of (A.

Al-Arnaout, G. Courtois, L. Miginiac), (333)
139

Zirconium

Small transition metal clusters, statistical analysis of magic numbers of valence electrons in (Yu.L. Slovokhotov, Yu.T. Struchkov), (333) 217

volume B3a: Molybdenum oxide hydrates, oxomolybdenum species in aqueous solution (K.R. Seddon), (333) C37

Gmelin handbook of inorganic chemistry, 8th edit., W — tungsten, Supplement volume A7: Metal, chemical reactions with inorganic and organic compounds (K.R. Seddon), (333) C38

Stereochemical analysis of alicyclic compounds by ^{13}C NMR spectroscopy; by J.K. Whitesell and M.A. Morton (J.R. Hanson), (333) C11

Book reviews

Gmelin handbook of inorganic chemistry, 8th edit., Mo — molybdenum, Supplement