

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 421 (1991)**SUBJECT INDEX****Boron**

Carbonylation of R_2Bi in the presence of $NaCo(CO)_4$ and $Na_2Fe(CO)_4$: A simple synthesis of dialkyl ketones (A. Devasagayaraj, M.L.N. Rao and M. Periasamy), (421) 147

Cadmium

The adduct formed between dimethylcadmium and 1,4-dioxane, 1,4-dioxanedimethylcadmium(II): a crystallographic and spectroscopic study (M.J. Almond, M.P. Beer, M.G.B. Drew and D.A. Rice), (421) 129

Chromium

Heteronukleare Komplexverbindungen mit Metall-Metall-Bindungen. VI. Kleine heteronukleare Cluster mit Kupfer und $HCr(CO)_5$ -Fragmenten. Die Strukturen von $[N_2Cu(\mu_3\text{-H})Cr_2(CO)_{10}]$, ($N_2 = 2\text{NH}_3$, bipy, 1,2-Diaminobenzol), $[(py)Cu(\mu_3\text{-H})Cr(CO)_5]_2$ und $[Cu(PPh_3)_3][Cr_2(\mu\text{-H})(CO)_{10}]$ sowie die Struktur von $[Zn(NH_3)_4][Cr_2(\mu\text{-H})(CO)_{10}]_2$ (P. Klüfers und U. Wilhelm), (421) 39

Kohlenwasserstoffverbrückte Komplexe. XXIII. Heterobimetallische Komplexe mit Ferrocenyl- und $(Ph_3P)(OC)(Cp)FeC(O)CH_2$ -Gruppen; Darstellung und Struktur von $(\eta^5\text{-C}_5H_5)Fe[\eta^5\text{-C}_5H_4C(O)Re(CO)_5]$, $(PPh_3)(OC)(Cp)FeC(O)CH_2(\eta^6\text{-C}_7H_7)M(CO)_3$ und $[\eta^5\text{-C}_5H_4C(O)CH_3]Fe[\eta^5\text{-C}_5H_4C(O)CH_2(\eta^6\text{-C}_7H_7)M(CO)_3]$ ($M = Cr, Mo$) (J. Breimair, M. Wieser, B. Wagner, K. Polborn und W. Beck), (421) 55

Carbon-13 spin-lattice relaxation in organometallic complexes (H. Schumann), (421) C7

Cobalt

Carbon-13 spin-lattice relaxation in organometallic complexes (H. Schumann), (421) C7

Reactivity of Main-Group-transition-metal bonds. IX. The kinetics of iodination of compounds containing two or more tin-transition-metal bonds (J.R. Chipperfield, S. Clark, D.E. Webster and H. Yusof), (421) 205

Alkoxy- and aryloxycarbonylcobalt carbonyls. IV. Preparation and structure of derivatives with tertiary pnictogen ligands (T. Bartik, T. Krümmeling, C. Krüger, L. Markó, R. Boese, G. Schmid, P. Vivarelli and G. Pályi), (421) 323

Reactivity of phosphinoalkynes toward $[HFe_3(CO)_9(C=CH_2)]^-$ (E. Louattani, J. Suades and R. Mathieu), (421) 335

Copper

A comparative study of 1,7-octadiene and 1,7-octadiyne complexes of copper(I) chloride: preparation and molecular structures (M. Håkansson, K. Wettström and S. Jagner), (421) 347

Germanium

Zum gezielten Aufbau oligomerer Strukturen der Elemente der 14. Gruppe mittels ihrer Triflatderivate (W. Uhlig), (421) 189

Iron

Kohlenwasserstoffverbrückte Komplexe. XXIII. Heterobimetallische Komplexe mit Ferrocenyl- und $(Ph_3P)(OC)(Cp)FeC(O)CH_2$ -Gruppen; Darstellung und Struktur von $(\eta^5\text{-C}_5H_5)Fe[\eta^5\text{-C}_5H_4C(O)Re(CO)_5]$, $(PPh_3)(OC)(Cp)FeC(O)CH_2(\eta^6\text{-C}_7H_7)M(CO)_3$ und $[\eta^5\text{-C}_5H_4C(O)CH_3]Fe[\eta^5\text{-C}_5H_4C(O)CH_2(\eta^6\text{-C}_7H_7)M(CO)_3]$ ($M = Cr, Mo$) (J. Breimair, M. Wieser, B. Wagner, K. Polborn und W. Beck), (421) 55

- Redox potential and substituent effects at ferrocene derivatives. Estimates of Hammett σ_p and Taft polar σ^* substituent constants (M.E.N.P.R.A. Silva, A.J.L. Pombeiro, J.J.R.F. da Silva, R. Herrmann, N. Deus, T.J. Castilho and M.F.C.G. Silva), (421) 75
- Carbon-13 spin-lattice relaxation in organometallic complexes (H. Schumann), (421) C7
- Reactivity of Main-Group-transition-metal bonds. IX. The kinetics of iodination of compounds containing two or more tin-transition-metal bonds (J.R. Chipperfield, S. Clark, D.E. Webster and H. Yusof), (421) 205
- Preparation and spectroscopic properties of a series of new bimetallic phosphine-bridged seven-coordinate complexes of the type $[M_2I_4(CO)_6L_2(\mu-L\bar{L})]$ ($M = Mo$ or W ; $L = PPh_3$, $AsPh_3$ or $SbPh_3$; $\bar{L} = Ph_2P(CH_2)_nPPh_2$ ($n = 1, 2$ or 4); $\bar{L}\bar{L} = [Fe(\eta^5-C_5H_4PPh_2)_2]$) (P.K. Baker, M. van Kampen and D. ap Kendrick), (421) 241
- Dialkylaminophosphorus metal carbonyls. X. Phosphorus-bridging carbonyl expulsion in reactions of aldehydes and ketones with $(^1Pr_2NP)_2COFe_2(CO)_6$ (R.B. King, N.K. Bhattacharyya and E.M. Holt), (421) 247
- Synthesis of tetracarbonyl(η^3 -2-hydroxypropenyl)iron complexes (M. Frey and T.A. Jenny), (421) 257
- Bis-ferrocene derivatives of bridged calix[4]arenes: synthesis, X-ray crystal structure and electrochemical properties (P.D. Beer, A.D. Keefe, V. Böhmer, H. Goldmann, W. Vogt, S. Lecocq and M. Perrin), (421) 265
- Charge Transfer-Komplexe des Octaethylferrocens (D. Stein, H. Sitzmann und R. Boese), (421) 275
- Heterometallic analogues of $[(M(CO)_2(\eta-C_5H_5))_2]$ ($M = Fe, Ru, Os$). The synthesis of the tetracarbonylcyclopentadienylcycloheptatrienyl complexes $[M(CO)_2(\eta-C_5H_5)M' (CO)_2(\eta-C_7H_7)]$ ($M = Fe, Ru; M' = Mo, W$). Crystal structures of $[Ru(CO)_2(\eta-C_5H_5)Mo(CO)_2(\eta-C_7H_7)]$ (Ru-Mo) and $[Mo(CO)_3(\mu-\eta^6, \eta^1-C_7H_7)Ru(CO)_2(\eta-C_5Me_5)]$ (R.L. Beddoes, E.S. Davies, M. Helliwell and M.W. Whiteley), (421) 285
- Synthesis and nonlinear optical properties of new bimetallic iron/palladium complexes (G. Doisneau, G. Balavoine, T. Fillebeen-Khan, J.-C. Clinet, J. Delaire, I. Ledoux, R. Loucif and G. Puccetti), (421) 299
- Reactivity of phosphinoalkynes toward $[HFe_3(CO)_9(C=CH_2)]^-$ (E. Louattani, J. Suades and R. Mathieu), (421) 335

Magnesium

- Heterocyclen als Liganden. XII. Synthese und Struktur von $(C_{28}H_{40}N)MgC_2H_5 \cdot 2C_4H_8O$ —Stabilisierung eines monomeren Organylmagnesiumamids durch sterische Überfrachtung (N. Kuhn, M. Schulten, R. Boese und D. Bläser), (421) 1

Manganese

- Carbon-13 spin-lattice relaxation in organometallic complexes (H. Schumann), (421) C7
- Reactivity of Main-Group-transition-metal bonds. IX. The kinetics of iodination of compounds containing two or more tin-transition-metal bonds (J.R. Chipperfield, S. Clark, D.E. Webster and H. Yusof), (421) 205
- Unexpected formation of hydrido-hydroxy derivatives as direct products in the reactions of the unsaturated dihydrides $[Mn_2(\mu-H)_2(CO)_6(\mu-L-L)]$ ($L-L = Ph_2PCH_2PPh_2$, $(EtO)_2POP(OEt)_2$) with carbon dioxide (F.J. García Alonso, M. García Sanz and V. Riera), (421) C12

Mercury

- Raman spectroscopic study of the complexation of the methylmercury(II) cation, CH_3Hg^+ , by ligands containing oxygen and sulphur (C.A. Barradell, H.G.M. Edwards and D.N. Smith), (421) 137

Metallocenes

- Kohlenwasserstoffverbrückte Komplexe. XXIII. Heterobimetallische Komplexe mit Ferrocenyl- und $(Ph_3P)(OC)(Cp)FeC(O)CH_2$ -Gruppen; Darstellung und Struktur von $(\eta^5-C_5H_5)Fe[\eta^5-C_5H_4C(O)Re(CO)_5]$, $(PPh_3)(OC)(Cp)FeC(O)CH_2(\eta^6-C_7H_7)M(CO)_3$ und $[\eta^5-C_5H_4C(O)CH_3]Fe[\eta^5-C_5H_4C(O)CH_2(\eta^6-C_7H_7)M(CO)_3]$ ($M = Cr, Mo$) (J. Breimair, M. Wieser, B. Wagner, K. Polborn und W. Beck), (421) 55

Redox potential and substituent effects at ferrocene derivatives. Estimates of Hammett σ_p and Taft polar σ^* substituent constants (M.E.N.P.R.A. Silva, A.J.L. Pombeiro, J.J.R.F. da Silva, R. Herrmann, N. Deus, T.J. Castilho and M.F.C.G. Silva), (421) 75

Preparation of metallacyclic titanocene hydrocarbyl complexes and their use in propene polymerization (G. Erker, U. Korek, R. Petrenz and A.L. Rheingold), (421) 215

Charge Transfer-Komplexe des Octaethylferrocens (D. Stein, H. Sitzmann and R. Boese), (421) 275

Molybdenum

Kohlenwasserstoffverbrückte Komplexe. XXIII. Heterobimetallische Komplexe mit Ferrocenyl- und $(\text{Ph}_3\text{P})(\text{OC})(\text{Cp})\text{Fe}(\text{O})\text{CH}_2$ -Gruppen; Darstellung und Struktur von $[\eta^5\text{-C}_5\text{H}_5]\text{Fe}[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{Re}(\text{CO})_5]$, $[\text{PPh}_3](\text{OC})(\text{Cp})\text{Fe}(\text{O})\text{CH}_2(\eta^6\text{-C}_7\text{H}_7)\text{M}(\text{CO})_3$ und $[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{CH}_3]\text{Fe}[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{CH}_2(\eta^6\text{-C}_7\text{H}_7)\text{M}(\text{CO})_3]$ ($\text{M} = \text{Cr}, \text{Mo}$) (J. Breimair, M. Wieser, B. Wagner, K. Polborn und W. Beck), (421) 55

^{1}H and ^{13}C NMR study of low-energy intramolecular transformations of coordinated propargyl cations $[(\mu\text{-}\eta^2, \eta^3\text{-HCCCR}_1\text{R}_2)\text{Cp}_2\text{Mo}_2(\text{CO})_4]^+ \text{BF}_4^-$ (M.V. Galakhov, V.I. Bakhmutov, I.V. Barinov and O.A. Reutov), (421) 65

Reactivity of Main-Group-transition-metal bonds. IX. The kinetics of iodination of compounds containing two or more tin-transition-metal bonds (J.R. Chipperfield, S. Clark, D.E. Webster and H. Yusof), (421) 205

Synthesis and electrochemistry of dimolybdenum crown ether imido complexes (M.L.H. Green, G. Hogarth and G.C. Saunders), (421) 233

Preparation and spectroscopic properties of a series of new bimetallic phosphine-bridged seven-coordinate complexes of the type $[\text{M}_2\text{I}_4(\text{CO})_6\text{L}_2(\mu\text{-}\overline{\text{L}}\text{L})]$ ($\text{M} = \text{Mo}$ or W ; $\text{L} = \text{PPh}_3$, AsPh_3 or SbPh_3 ; $\overline{\text{L}}\text{L} = \text{Ph}_2\text{P}(\text{CH}_2)_n\text{PPh}_2$ ($n = 1, 2$ or 4); $\overline{\text{L}}\text{L} = [\text{Fe}(\eta^5\text{-C}_5\text{H}_4\text{PPh}_2)_2]$) (P.K. Baker, M. van Kampen and D. ap Kendrick), (421) 241

Osmium

Heterometallic analogues of $[(\text{M}(\text{CO})_2(\eta\text{-C}_5\text{H}_5))_2]$ ($\text{M} = \text{Fe}, \text{Ru}, \text{Os}$). The synthesis of the tetracarbonylcyclopentadienylcycloheptatrienyl complexes $[\text{M}(\text{CO})_2(\eta\text{-C}_5\text{H}_5)\text{M}'(\text{CO})_2(\eta\text{-C}_7\text{H}_7)]$ ($\text{M} = \text{Fe}, \text{Ru}; \text{M}' = \text{Mo}, \text{W}$). Crystal structures of $[\text{Ru}(\text{CO})_2(\eta\text{-C}_5\text{H}_5)\text{Mo}(\text{CO})_2(\eta\text{-C}_7\text{H}_7)]$ (Ru-Mo) and $[\text{Mo}(\text{CO})_3(\mu\text{-}\eta^6, \eta^1\text{-C}_7\text{H}_7)\text{Ru}(\text{CO})_2(\eta\text{-C}_5\text{Me}_5)]$ (R.L. Beddoes, E.S. Davies, M. Helliwell and M.W. Whiteley), (421) 285

Unexpected formation of hydrido-hydroxy derivatives as direct products in the reactions of the unsaturated dihydrides $[\text{Mn}_2(\mu\text{-H})_2(\text{CO})_6(\mu\text{-L-L})]$ ($\text{L-L} = \text{Ph}_2\text{PCH}_2\text{PPPh}_2$, $(\text{EtO})_2\text{POP}(\text{OEt})_2$) with carbon dioxide (F.J. García Alonso, M. García Sanz and V. Riera), (421) C12

Palladium

Synthesis and nonlinear optical properties of new bimetallic iron/palladium complexes (G. Doisneau, G. Balavoine, T. Fillebeen-Khan, J.-C. Clinet, J. Delaire, I. Ledoux, R. Loucif and G. Puccetti), (421) 299

Phosphorus

Heteronukleare Komplexverbindingen mit Metall-Metall-Bindungen. VI. Kleine heteronukleare Cluster mit Kupfer und $\text{HCr}(\text{CO})_3$ -Fragmenten. Die Strukturen von $[(\text{N}_2)\text{Cu}(\mu_3\text{-H})\text{Cr}_2(\text{CO})_{10}]$, ($\text{N}_2 = 2\text{NH}_3$, bpy, 1,2-Diaminobenzol), $[(\text{py})\text{Cu}(\mu_3\text{-H})\text{Cr}(\text{CO})_5]_2$ und $[\text{Cu}(\text{PPh}_3)_3]\text{Cr}_2(\mu\text{-H})(\text{CO})_{10}$ sowie die Struktur von $[\text{Zn}(\text{NH}_3)_4]\text{Cr}_2(\mu\text{-H})(\text{CO})_{10}]_2$ (P. Klüfers and U. Wilhelm), (421) 39

Kohlenwasserstoffverbrückte Komplexe. XXIII. Heterobimetallische Komplexe mit Ferrocenyl- und $(\text{Ph}_3\text{P})(\text{OC})(\text{Cp})\text{Fe}(\text{O})\text{CH}_2$ -Gruppen; Darstellung und Struktur von $[\eta^5\text{-C}_5\text{H}_5]\text{Fe}[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{Re}(\text{CO})_5]$, $[\text{PPh}_3](\text{OC})(\text{Cp})\text{Fe}(\text{O})\text{CH}_2(\eta^6\text{-C}_7\text{H}_7)\text{M}(\text{CO})_3$ und $[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{CH}_3]\text{Fe}[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{CH}_2(\eta^6\text{-C}_7\text{H}_7)\text{M}(\text{CO})_3]$ ($\text{M} = \text{Cr}, \text{Mo}$) (J. Breimair, M. Wieser, B. Wagner, K. Polborn und W. Beck), (421) 55

Platinum

New $[\text{PtCl}(\text{monophosphine})(\text{chiral bisphosphine})]^+$ cations (L. Kollár and G. Szalontai), (421) 341

Rhenium

Kohlenwasserstoffverbrückte Komplexe. XXIII. Heterobimetallische Komplexe mit Ferrocenyl- und $(\text{Ph}_3\text{P})(\text{OC})(\text{Cp})\text{FeC}(\text{O})\text{CH}_2$ -Gruppen; Darstellung und Struktur von $(\eta^5\text{-C}_5\text{H}_5)\text{Fe}[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{Re}(\text{CO})_5]$, $(\text{PPh}_3)(\text{OC})(\text{Cp})\text{FeC}(\text{O})\text{CH}_2(\eta^6\text{-C}_7\text{H}_7)\text{M}(\text{CO})_3$ und $[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{CH}_3]\text{Fe}[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{CH}_2(\eta^6\text{-C}_7\text{H}_7)\text{M}(\text{CO})_3]$ ($\text{M} = \text{Cr}, \text{Mo}$) (J. Breimair, M. Wieser, B. Wagner, K. Polborn und W. Beck), (421) 55

Rhodium

A mechanistic study of rhodium tri(*o*-t-butylphenyl)phosphite complexes as hydroformylation catalysts (T. Jongsma, G. Challa and P.W.N.M. van Leeuwen), (421) 121

Direct binding of η^5 -pentamethylcyclopentadienyl- rhodium(III) to nicotinamide cofactors: a step towards NAD⁺/NADH recycling (A.D. Ryabov, D.L. Menglet and M.D. Levi), (421) C16

Ruthenium

Synthesis of slipped triple- and tetra-decker cationic ruthenium complexes with the $\mu,\eta^5:\eta^6$ -indenyl ligand. X-ray structure of $[(\eta\text{-C}_5\text{H}_5)\text{Ru}(\mu,\eta^5:\eta^6\text{-C}_5\text{H}_7)\text{-Ru}(\eta\text{-C}_5\text{Me}_5)]\text{PF}_6$ (A.R. Kudinov, P.V. Petrovskii, Yu.T. Struchkov, A.I. Yanovskii and M.I. Rubinskaya), (421) 91

Arenecarbonylcarbide ruthenium clusters (π -arene) $\text{Ru}_2\text{C}(\text{CO})_4$ with functional substituents in arene ring (v.s. Kaganovich, Z.A. Kerzina, T. Asunta, K. Wiekström and M.I. Rybinskaya), (421) 117

Heterometallic analogues of $[(\text{M}(\text{CO})_2(\eta\text{-C}_5\text{H}_5))_2]$ ($\text{M} = \text{Fe}, \text{Ru}, \text{Os}$). The synthesis of the tetracarbonylcyclopentadienylcycloheptatrienyl complexes $[\text{M}(\text{CO})_2(\eta\text{-C}_5\text{H}_5)\text{M}'(\text{CO})_2(\eta\text{-C}_7\text{H}_7)]$ ($\text{M} = \text{Fe}, \text{Ru}; \text{M}' = \text{Mo}, \text{W}$). Crystal structures of $[\text{Ru}(\text{CO})_2(\eta\text{-C}_5\text{H}_5)\text{Mo}(\text{CO})_2(\eta\text{-C}_7\text{H}_7)]$ (Ru-Mo) and $[\text{Mo}(\text{CO})_3(\mu\text{-}\eta^6, \eta^1\text{-C}_7\text{H}_7)\text{Ru}(\text{CO})_2(\eta\text{-C}_5\text{Me}_5)]$ (R.L. Beddoes, E.S. Davies, M. Helliwell and M.W. Whitley), (421) 285

The chemical and electrochemical oxidation of pyridonate-bridged ruthenium(I) dimers. X-Ray structure of $[\text{Ru}_2(\mu\text{-pyO})_2(\text{CO})_4(\text{pyOH})_2]$ ($\text{pyOH} = 2\text{-pyridone}$) (P.L. Andreu, J.A. Cabeza, G.A. Cartiedo, V. Riera, S. García-Granda, J.F. Van der Maelen and G. Mori), (421) 305

Metal hydride oxidation chemistry: addition of a trityl cation to the cyclopentadienyl ring in $\text{CpRu}(\text{PPh}_3)_2\text{H}$ via initial electron transfer (O.B. Ryan, K.-T. Smith and M. Tilset), (421) 315

Silicon

Photo-induced electron transfer reaction between hexamethyldisilane and quinones as studied by a CIDNP technique (M. Igarashi, T. Ueda, M. Wakasa and Y. Sakaguchi), (421) 9

Reactions at highly sterically hindered organosilicon centres. Chemistry of $(\text{Me}_3\text{Si})_3\text{CSiPhHI}$, $(\text{Me}_3\text{Si})_3\text{CSiPh(OMe)}\text{I}$, and related species (Z.H. Aiube and C. Eaborn), (421) 159

The recycling of organosilyl protecting species used in organic synthesis and the water binding ability of the silanol $^1\text{BuMe}_2\text{SiOH}$ (P.D. Lickiss and K.M. Stubbs), (421) 171

Zum gezielten Aufbau oligomerer Strukturen der Elemente der 14. Gruppe mittels ihrer Triflatderivate (W. Uhlig), (421) 189

Tin

Structural chemistry of organotin carboxylates. XVI. Structural variation in dicarboxylato tetraorganostannoxanes: Crystal structure of $[(\text{Me}_2\text{Sn}(\text{O}_2\text{CC}_4\text{H}_3\text{S})_2\text{O})_2$ (C. Vatsa, V.K. Jain, T.K. Das and E.R.T. Tiekkink), (421) 21

Interaction of naphthaleneytterbium with tetraphenyltin. Molecular structure of $\text{Ph}_3\text{SnYb}(\text{THF})_2(\mu\text{-Ph})_3\text{Yb}(\text{THF})_3$ (M.N. Bochkarev, V.V. Khramenkov, Y.F. Rad'kov, L.N. Zakharov and Yu.T. Struchkov), (421) 29

Synthese von Phenylbrom-, Phenyliod- und Phenylwasserstoff-trisilanen (K. Hassler und U. Katzenbeisser), (421) 151

Trimethylsilyl-substituierte Derivate des Dimethylzinks — Synthese, spektroskopische Charakterisierung und Struktur (M. Westerhausen, B. Rademacher und W. Poll), (421) 175

Zum gezielten Aufbau oligomerer Strukturen der Elemente der 14. Gruppe mittels ihrer Triflatderivate (W. Uhlig), (421) 189

A simplified, high-yield synthesis, and crystal structure of [tris{bis(2,4,6-triisopropylphenyl)tin}] (F.J. Brady, C.J. Cardin, D.J. Cardin, M.A. Convery, M.M. Devereux and G.A. Lawless), (421) 199

Reactivity of Main-Group-transition-metal bonds. IX. The kinetics of iodination of compounds containing two or more tin-transition-metal bonds (J.R. Chipperfield, S. Clark, D.E. Webster and H. Yusof), (421) 205

Titanium

Preparation of metallacyclic titanocene hydrocarbyl complexes and their use in propene polymerization reactions (G. Erker, U. Korek, R. Petrenz and A.L. Rheingold), (421) 215

Tungsten

Spectroscopic properties of conjugated metal–carbon multiple bonds: synthesis and absorption spectra of the “dialkylidynes” $(RO)_3W\equiv C-C\equiv W(OR)_3$ ($RO = OCMe_3, OCMe_2CF_3, OCMe_2Et$) (T.M. Gilbert and R.D. Rogers), (421) C1

Reactivity of Main-Group-transition-metal bonds. IX. The kinetics of iodination of compounds containing two or more tin-transition-metal bonds (J.R. Chipperfield, S. Clark, D.E. Webster and H. Yusof), (421) 205

Preparation and spectroscopic properties of a series of new bimetallic phosphine-bridged seven-coordinate complexes of the type $[M_2I_4(CO)_6L_2(\mu-L\bar{L})]$ ($M = Mo$ or W ; $L = PPh_3, AsPh_3$ or $SbPh_3$; $\bar{L} = Ph_2P(CH_2)_nPPh_2$ ($n = 1, 2$ or 4); $\bar{L}\bar{L} = [Fe(\eta^5-C_5H_4PPh_2)_2]$) (P.K. Baker, M. van Kampen and D. ap Kendrick), (421) 241

Ytterbium

Interaction of naphthaleneytterbium with tetraphenyltin. Molecular structure of $Ph_3SnYb(THF)_2(\mu-Ph)_3Yb(THF)_3$ (M.N. Bochkarev, V.V. Khramenkov, Y.F. Rad'kov, L.N. Zakharov and Yu.T. Struchkov), (421) 29

Zinc

Trimethylsilyl-substituierte Derivate des Dimethylzinks — Synthese, spektroskopische Charakterisierung und Struktur (M. Westerhausen, B. Rademacher und W. Poll), (421) 175