

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 369 (1989)

SUBJECT INDEX

Aluminium

Trialkylaluminium, chemically induced dynamic nuclear polarization in reactions with benzoyl peroxide of (R.A. Sadykov, N.M. Shishlov), (369) 1

Arsenic

$[\eta^2-1,2\text{-Bis(diphenylarsino)ethane}]\text{bis(4-fluorophenyl)platinum(II)}$ and $[\eta^2-1,2\text{-bis(diphenylarsino)benzene}]\text{bis[4-(trifluoromethyl)phenyl]platinum(II)}$, crystal and molecular structures of (H.-A. Brune, R. Klotzbücher, K. Berhalter, T. Debaerdemaeker), (369) 321

Group 15 ligand-substituted derivatives of $\text{M}_3(\text{CO})_{12}$ (M = Ru, Os), stereochemistry of; synthesis and characterisation of tetra-substituted ruthenium complexes; X-ray structures of $\text{Ru}_3(\text{CO})_8(\text{L})_4$ (L = PMe_2Ph and P(OR)_3 , R = Me, Et and Ph) (M.I. Bruce, M.J. Liddell, O. bin Shawkataly, I.R. Bytheway, B.W. Skelton, A.H. White), (369) 217

$\text{Os}_3(\text{CO})_9(\mu_3\text{-AsC}_6\text{H}_3\text{CH}_3)(\mu_3\text{-C}_6\text{H}_4\text{CH}_3)$, synthesis and crystal structure of (B.F.G. Johnson, J. Lewis, A.J. Massey, D. Braga, F. Grepioni), (369) C43

Bismuth

Cluster compounds containing *d*- and *p*-block metals; molecular structure of $\mu_3\text{-Bi[Fe(C}_5\text{H}_5)(\text{CO})]_3$ (J.M. Wallis, G. Müller, J. Riede, H. Schmidbaur), (369) 165

Boron

B-Triethylboroxin with ethylenediamine complexes and derivatives thereof (J.F. Mariategui, K. Niedenzu), (369) 137

Trityl tetraphenylborate as reagent in organometallic chemistry (D.A. Straus, C. Zhang, T.D. Tilley), (369) C13

Chromium

Chromium, tungsten, iron, and ruthenium complexes of the 4-membered ring diazene 3,4-diazatricyclo[4.2.1.0^{2,5}]non-3-ene (M.N. Ackermann, D.E. Adams, J. Pranata, C.F. Yamauchi), (369) 55

Cyclic dithio- and diaminocarbene coordinated trichloromethyl isocyanide complexes, reactions of (W.P. Fehlhammer, G. Beck), (369) 105

Cobalt

Cobalt dinuclear ring-bridged complexes, synthesis and reactions of (H. Werner, F. Lippert, T. Bohley), (369) C27

$(\eta^5\text{-Cyclopentadienyl)cobalt}$, thermal and photochemical degenerate "walk" along η^4 -bound 1,3,5-hexatriene in (J.A. King Jr., K.P.C. Vollhardt), (369) 245

Tris(phenylethynyl)phosphane, coordination in; synthesis and characterisation of $\{(\text{C}_6\text{H}_5\text{C}\equiv\text{CC}_6\text{H}_5)_3\text{P}[(\eta^2\text{-C}\equiv\text{CC}_6\text{H}_5)_2\text{Co}_2(\text{CO})_5]\}_2$ (H. Lang, L. Zsolnai), (369) 131

Germanium

Organogermanium anions, substituent effects on the structure and reactivity of (S.D. Pigarev, D.A. Bravo-Zhivotovskii, I.D. Kalikhman, N.S. Vyazankin, M.G. Voronkov), (369) 29

Gold

Gold-containing derivatives of cyclopropanecarboxylic acid amides (E.G. Perevalova, I.G. Bolesov, Y.S. Kalyuzhnaya, T.I. Voyevodskaya, L.G. Kuzmina, V.I. Korsunsky, K.I. Grandberg), (369) 267

Hafnium

Bis(pentamethylcyclopentadienyldivinyl-titanium, -zirconium and -hafnium compounds, formation of titanacyclobutane and -zirconacyclopent-2-ene derivatives of (R. Beckhaus, K.-H. Thiele, D. Ströhl), (369) 43

Group 4 metallocene derivatives with symmetrically substituted, dimethylsilanediy-bridged ligand frameworks, diastereomers of; crystal structure of $R,S\text{-Me}_2\text{Si}(3\text{-}t\text{-Bu-5-MeC}_5\text{H}_2)_2\text{ZrCl}_2$ (H. Wiesenfeldt, A. Reinmuth, E. Barsties, K. Evertz, H.-H. Brintzinger), (369) 359

Indium

Indium(I) iodide mediation of Barbier allylation and Reformatsky reaction of carbonyl compounds (S. Araki, H. Ito, N. Katsumura, Y. Butsugan), (369) 291

Iridium

Polysiloxane-phosphine ligands, complexes and hydrogenation catalysts of (R.V. Parish, D. Habibi, V. Mohammadi), (369) 17

Rhodium(I) and iridium(I) *N*-substituted imidazole derivatives with and without metal-metal interaction; crystal structure of *cis*-(CO)₂RhCl(*N*-methylimidazole) (F. Bonati, L.A. Oro, M.T. Pinillos, C. Tejel, M.C. Apreada, C. Foces-Foces, F.H. Cano), (369) 253

Iron

Bis-arene iron dications, synthetic problems and reaction with nucleophiles of (D. Mandon, D. Astruc), (369) 383

1',6-Bis(*p*-halobenzyl)biferrocenium salts, valence delocalization in; zigzag configuration for polyiodide ion I_5^- (T.-Y. Dong, M.-Y. Hwang, C.-C. Schei, S.-M. Peng, S.-K. Yeh), (369) C33

Chromium, tungsten, iron, and ruthenium complexes of the 4-membered ring diazene 3,4-diazatricyclo[4.2.1.0^{2,5}]non-3-ene (M.N. Ackermann, D.E. Adams, J. Pranata, C.F. Yamauchi), (369) 55

Cluster compounds containing *d*- and *p*-block metals; molecular structure of $\mu_3\text{-Bi}[\text{Fe}(\text{C}_5\text{H}_5)(\text{CO})]_3$ (J.M. Wallis, G. Müller, J. Riede, H. Schmidbaur), (369) 165

Cyclosilanyl transition metal compounds, $\text{Si}_6\text{Me}_{11}[\text{Fe}(\text{CO})_2\text{C}_5\text{H}_5]$, $(\text{Si}_6\text{Me}_{10})[\text{Fe}(\text{CO})_2\text{C}_5\text{H}_5]_2$, and $\text{Si}_6\text{Me}_{11}[\text{Mo}(\text{CO})_3\text{C}_5\text{H}_5]$, preparation of (E. Hengge, M. Eibl, F. Schrank), (369) C23

$[\text{Fe}_2(\eta\text{-C}_5\text{H}_5)_2(\text{CO})_2(\mu\text{-CO})_2]$, preparation starting from $[\text{Fe}_2\{\eta^5, \eta^5\text{-C}_5\text{H}_4\text{CH}(\text{NMe}_3)\text{CH}(\text{NMe}_2)\text{C}_3\text{H}_4\}(\text{CO})_2(\mu\text{-CO})_2]^-$ salts of (M.G. Cox, P. Soye, A.R. Manning), (369) C21

β -Ferrocenylacrylonitrile, behaviour in reactions with organic bases of (Z.V. Todres, D.S. Ermekov), (369) 371

cis- β -Ferrocenylacrylonitrile, molecular geometry of (Z.V. Todres, A.I. Yanovsky, D.S. Ermekov, Yu.T. Struchkov), (369) 377

1-Thia-3-azabutadienes, selective complexation with carbonyl iron of (M. Bouzid, J.P. Pradère, P. Palvadeau, J.P. Vénien, L. Toupet), (369) 205

$(\mu_3\text{-X})_2\text{Fe}_3(\text{CO})_9$ (X = RP, Se, Te) bridging groups, addition of alkynes to (T. Fässler, D. Buchholz, G. Huttner, L. Zsolnai), (369) 297

Lithium

Gold-containing derivatives of cyclopropanecarboxylic acid amides (E.G. Perevalova, I.G. Bolesov, Y.S. Kalyuzhnaya, T.I. Voyevodskaya, L.G. Kuzmina, V.I. Korsunsky, K.I. Grandberg), (369) 267

Magnesium

Phenylmagnesium carboxylates, synthesis of (P.N. Kapoor, A.K. Bhagi, H.K. Sharma, R.N. Kapoor), (369) 281

Metalloenes

1',6-Bis(*p*-halobenzyl)biferrocenium salts, valence delocalization in; zigzag configuration for polyiodide ion I_5^- (T.-Y. Dong, M.-Y. Hwang, C.-C. Schei, S.-M. Peng, S.-K. Yeh), (369) C33

$[C_5Me_5RuC_5Me_4CH_2]^+ \cdot BPh_4^- \cdot CH_2Cl_2$, crystal and molecular structure of (A.I. Yanovsky, Yu.T. Struchkov, A.Z. Kreindlin, M.I. Rybinskaya), (369) 125

β -Ferrocenylacrylonitrile, behaviour in reactions with organic bases of (Z.V. Todres, D.S. Ermekov), (369) 371

cis- β -Ferrocenylacrylonitrile, molecular geometry of (Z.V. Todres, A.I. Yanovsky, D.S. Ermekov, Yu.T. Struchkov), (369) 377

Group 4 metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks, diastereomers of; crystal structure of *R,S*- $Me_2Si(3-t-Bu-5-MeC_5H_2)_2ZrCl_2$ (H. Wiesenfeldt, A. Reinmuth, E. Barsties, K. Evertz, H.-H. Brintzinger), (369) 359

Halogenohydridobis(silylated cyclopentadienyl)niobium complexes, synthesis and characterization of (A. Antiñolo, M. Fajardo, F.A. Jalón, C. López Mardomingo, A. Otero, C. Sanz-Bernabé), (369) 187

$[(Me_3Si)_2N]_2\overline{UCH_2SiMe_2NSiMe_3}$, stereochemistry of insertion of cyclic ketones into the U–C bond of (A. Dormond, A. Elbouadili, C. Moïse), (369) 171

Metallocene niobium(III) isocyanide complexes with oxidizing reagents, reactions of (M. Gómez, J.M. Martínez de Ilarduya, P. Royo), (369) 197

Titanocene and zirconocene chiral derivatives with symmetrically substituted, tetramethylethanediy-bridged ligands (S. Gutmann, P. Burger, H.-U. Hund, J. Hofmann, H.-H. Brintzinger), (369) 343

Molybdenum

Cyclosilanyl transition metal compounds, $Si_6Me_{11}[Fe(CO)_2C_5H_5]$, $(Si_6Me_{10})[Fe(CO)_2C_5H_5]_2$, and $Si_6Me_{11}[Mo(CO)_3C_5H_5]$, preparation of (E. Hengge, M. Eibl, F. Schrank), (369) C23

Phosphine- and carbonyl-molybdenum dimers with double hydrogen bridge, electronic structure of (B. Jeżowska-Trzebiatowska, B. Nissen-Sobocińska), (369) 69

Nickel

Nickel complexes as catalysts for electrochemical synthesis of ketones from acid chlorides and alkyl and aryl halides (H. Marzouk, Y. Rollin, J.C. Folest, J.Y. Nédélec, J. Périchon), (369) C47

Niobium

Halogenohydridobis(silylated cyclopentadienyl)niobium complexes, synthesis and characterization of (A. Antiñolo, M. Fajardo, F.A. Jalón, C. López Mardomingo, A. Otero, C. Sanz-Bernabé), (369) 187

Metallocene niobium(III) isocyanide complexes with oxidizing reagents, reactions of (M. Gómez, J.M. Martínez de Ilarduya, P. Royo), (369) 197

Osmium

Group 15 ligand-substituted derivatives of $M_3(CO)_{12}$ ($M = Ru, Os$), stereochemistry of; synthesis and characterisation of tetra-substituted ruthenium complexes; X-ray structures of $Ru_3(CO)_8(L)_4$ ($L = PMe_2Ph$ and $P(OR)_3$, $R = Me, Et$ and Ph) (M.I. Bruce, M.J. Liddell, O. bin Shawkataly, I.R. Bytheway, B.W. Skelton, A.H. White), (369) 217

$Os_3(CO)_9(\mu_3-AsC_6H_3CH_3)(\mu_3-C_6H_4CH_3)$, synthesis and crystal structure of (B.F.G. Johnson, J. Lewis, A.J. Massey, D. Braga, F. Grepioni), (369) C43

Palladium

Palladium-catalyzed allylic acetoxylation, influence of added acids on (B. Åkermark, S. Hansson, T. Rein, J. Vågberg, A. Heumann, J.-E. Bäckvall), (369) 433

Palladium-catalyzed cross-coupling of bromobenzenes, containing an acetyl or formyl group, with organozinc reagents (Y. Okamoto, K. Yoshioka, T. Yamana, H. Mori), (369) 285

Phosphorus

Cobalt dinuclear ring-bridged complexes, synthesis and reactions of (H. Werner, F. Lippert, T. Bohley), (369) C27

- Cyclic dithio- and diaminocarbene coordinated trichloromethyl isocyanide complexes, reactions of (W.P. Fehlhammer, G. Beck), (369) 105
- Group 15 ligand-substituted derivatives of $M_3(CO)_{12}$ ($M = Ru, Os$), stereochemistry of; synthesis and characterisation of tetra-substituted ruthenium complexes; X-ray structures of $Ru_3(CO)_8(L)_4$ ($L = PMe_2Ph$ and $P(OR)_3$, $R = Me, Et$ and Ph) (M.I. Bruce, M.J. Liddell, O. bin Shawkataly, I.R. Bytheway, B.W. Skelton, A.H. White), (369) 217
- Phosphine- and carbonyl-molybdenum dimers with double hydrogen bridge, electronic structure of (B. Jeżowska-Trzebiatowska, B. Nissen-Sobocińska), (369) 69
- Polysiloxane-phosphine ligands, complexes and hydrogenation catalysts of (R.V. Parish, D. Habibi, V. Mohammadi), (369) 17
- Rhodium complexes with *N*-cyanomethyleneimine as ligand (M. Steinmetz, H. Werner), (369) 309
- Rhodium(I)-catalyzed hydrogen-transfer reaction of secondary alcohols and imines, mechanism of (H.-A. Brune, J. Unsin, R. Hemmer, M. Reichhardt), (369) 335
- $Ru_3(CO)_{12-n}(PPh_2H)_n$ ($n = 2, 3$), $HRu_3(CO)_3(CO)_{10}(\mu-PPh_2)$, $HRu_3(CO)_9(\mu-PPh_2)$ and $HRu_3(CO)_7(\mu-PPh_2)_3$ as catalysts in selective hydrogenation of diphenylacetylene and isomerization of *cis*-stilbene (M. Castiglioni, R. Giordano, E. Sappa), (369) 419
- $Ru_3(\mu_5-\eta^2-P-C_2PPh_2)(\mu-PPh_2)(CO)_{13}$ reactions with CO or dihydrogen of; X-ray crystal structures of $Ru_5(\mu-H)(\mu_5-CCHPPh_2)(\mu-PPh_2)(CO)_{13}$, $Ru_5(\mu-H)_2(\mu_4-CCH_2PPh_2)(\mu-PPh_2)(CO)_{12}$ and $Ru_5C(\mu-H)_3(\mu-PPh_2)(CO)_{11}(PMePh_2)$ (M.I. Bruce, M.L. Williams, B.W. Skelton, A.H. White), (369) 393
- Tris(phenylethynyl)phosphane, coordination in; synthesis and characterisation of $\{(C_6H_5C\equiv CC_6H_5)P[(\eta^2-C\equiv CC_6H_5)Co_2(CO)_5]\}_2$ (H. Lang, L. Zsolnai), (369) 131
- $(\mu_3-X)_2Fe_3(CO)_9$ ($X = RP, Se, Te$) bridging groups, addition of alkynes to (T. Fässler, D. Buchholz, G. Huttner, L. Zsolnai), (369) 297

Platinum

- $[\eta^2-1,2-Bis(diphenylarsino)ethane]bis(4-fluorophenyl)platinum(II)$ and $[\eta^2-1,2-bis(diphenylarsino)benzene]bis[4-(trifluoromethyl)phenyl]platinum(II)$, crystal and molecular structures of (H.-A. Brune, R. Klotzbücher, K. Berhalter, T. Debaerdemaeker), (369) 321

Rhenium

- Methyltrioxorhenium, condensation reactions with 8-hydroxyquinoline and 2-hydroxyaniline of (J. Takacs, P. Kiprof, J.G. Kuchler, W.A. Herrmann), (369) C1

Rhodium

- cis*-(Alkyl)(η^2 -dioxygen)rhodium complex, oxygen atom transfer to organic and inorganic substrates from (C. Bianchini, C. Mealli, A. Meli, D.M. Proserpio, M. Peruzzini, F. Vizza, P. Frediani), (369) C6
- Polysiloxane-phosphine ligands, complexes and hydrogenation catalysts of (R.V. Parish, D. Habibi, V. Mohammadi), (369) 17
- Rhodium complexes with *N*-cyanomethyleneimine as ligand (M. Steinmetz, H. Werner), (369) 309
- Rhodium(I) and iridium(I) *N*-substituted imidazole derivatives with and without metal-metal interaction; crystal structure of *cis*-(CO) $_2$ RhCl(*N*-methylimidazole) (F. Bonati, L.A. Oro, M.T. Pinillos, C. Tejel, M.C. Apreda, C. Foces-Foces, F.H. Cano), (369) 253
- Rhodium(I)-catalyzed hydrogen-transfer reaction of secondary alcohols and imines, mechanism of (H.-A. Brune, J. Unsin, R. Hemmer, M. Reichhardt), (369) 335

Ruthenium

- Chromium, tungsten, iron, and ruthenium complexes of the 4-membered ring diazene 3,4-diazatricyclo[4.2.1.0^{2,5}]non-3-ene (M.N. Ackermann, D.E. Adams, J. Pranata, C.F. Yamauchi), (369) 55
- $[C_5Me_5RuC_5Me_4CH_2]^+ \cdot BPh_4^- \cdot CH_2Cl_2$, crystal and molecular structure of (A.I. Yanovsky, Yu.T. Struchkov, A.Z. Kreindlin, M.I. Rybinskaya), (369) 125
- (*E*)-1,2-Disilyl ethenes, synthesis from triorganosilylene with the aid of $Ru_3(CO)_{12}$ and hydrosilane of (Y. Seki, K. Takeshita, K. Kawamoto), (369) 117
- Group 15 ligand-substituted derivatives of $M_3(CO)_{12}$ ($M = Ru, Os$), stereochemistry of; synthesis and characterisation of tetra-substituted ruthenium complexes; X-ray structures of $Ru_3(CO)_8(L)_4$ ($L =$

- PMe₂Ph and P(OR)₃, R = Me, Et and Ph) (M.I. Bruce, M.J. Liddell, O. bin Shawkataly, I.R. Bytheway, B.W. Skelton, A.H. White), (369) 217
- Polysiloxane-phosphine ligands, complexes and hydrogenation catalysts of (R.V. Parish, D. Habibi, V. Mohammadi), (369) 17
- Ru₃(CO)_{12-n}(PPh₂H)_n (n = 2, 3), HRu₃(CO)₃(CO)₁₀(μ-PPh₂), HRu₃(CO)₉(μ-PPh₂) and HRu₃(CO)₇(μ-PPh₂)₃ as catalysts in selective hydrogenation of diphenylacetylene and isomerization of *cis*-stilbene (M. Castiglioni, R. Giordano, E. Sappa), (369) 419
- Ru₃(μ₅-η², *P*-C₂PPh₂)(μ-PPh₂)(CO)₁₃ reactions with CO or dihydrogen of; X-ray crystal structures of Ru₅(μ-H)(μ₅-CCHPPh₂)(μ-PPh₂)(CO)₁₃, Ru₅(μ-H)₂(μ₄-CCH₂PPh₂)(μ-PPh₂)(CO)₁₂ and Ru₅C(μ-H)₃(μ-PPh₂)(CO)₁₁(PMePh₂) (M.I. Bruce, M.L. Williams, B.W. Skelton, A.H. White), (369) 393
- Ruthenium complex catalyzed allylation of aldehydes with allylic acetates (Y. Tsuji, T. Mukai, T. Kondo, Y. Watanabe), (369) C51

Selenium

- (μ₃-X)₂Fe₃(CO)₉ (X = RP, Se, Te) bridging groups, addition of alkynes to (T. Fässler, D. Buchholz, G. Huttner, L. Zsolnai), (369) 297

Silicon

- Cyclosilanyl transition metal compounds, Si₆Me₁₁[Fe(CO)₂C₅H₅], (Si₆Me₁₀)[Fe(CO)₂C₅H₅]₂, and Si₆Me₁₁[Mo(CO)₃C₅H₅], preparation of (E. Hengge, M. Eibl, F. Schrank), (369) C23
- (*E*)-1,2-Disilylenes, synthesis from triorganosilylene with the aid of Ru₃(CO)₁₂ and hydrosilane of (Y. Seki, K. Takeshita, K. Kawamoto), (369) 117
- Ethynylsilanes, synthesis and properties of (E. Hengge, A. Baumegeger), (369) C39
- Group 4 metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks, diastereomers of; crystal structure of *R,S*-Me₂Si(3-*t*-Bu-5-MeC₅H₂)₂ZrCl₂ (H. Wiesenfeldt, A. Reinmuth, E. Barsties, K. Evertz, H.-H. Brintzinger), (369) 359
- Halogenohydridobis(silylated cyclopentadienyl)niobium complexes, synthesis and characterization of (A. Antiñolo, M. Fajardo, F.A. Jalón, C. López Mardomingo, A. Otero, C. Sanz-Bernabé), (369) 187
- Hypervalent silicon hydrides, intermediacy in exchange reactions of di- and tri-hydrogenosilanes catalysed by hydrides (NaH, KH and LiAlH₄) of (B. Becker, R.J.P. Corriu, C. Guérin, B.J.L. Henner), (369) 147
- trans*-Poly[(disilanylene)ethenylene], synthesis and properties of (J. Ohshita, D. Kanaya, M. Ishikawa, T. Yamanaka), (369) C18
- Polysiloxane-phosphine ligands, complexes and hydrogenation catalysts of (R.V. Parish, D. Habibi, V. Mohammadi), (369) 17
- Silica-immobilized ligands and functionalized polysiloxanes, comparison of (I.S. Khatib, R.V. Parish), (369) 9
- 1,1,2,2-Tetramethyl-1,2-bis(2'-thienyl)disilane, photolysis of (S.-S. Hu, W.P. Weber), (369) 155

Sulphur

- Cyclic dithio- and diaminocarbene coordinated trichloromethyl isocyanide complexes, reactions of (W.P. Fehlhammer, G. Beck), (369) 105
- 1-Thia-3-azabutadienes, selective complexation with carbonyl iron of (M. Bouzid, J.P. Pradère, P. Palvadeau, J.P. Vénien, L. Toupet), (369) 205

Tellurium

- (μ₃-X)₂Fe₃(CO)₉ (X = RP, Se, Te) bridging groups, addition of alkynes to (T. Fässler, D. Buchholz, G. Huttner, L. Zsolnai), (369) 297

Titanium

- Bis(pentamethylcyclopentadienyldivinyl)-titanium, -zirconium and -hafnium compounds, formation of titanacyclobutane and -zirconacyclopent-2-ene derivatives of (R. Beckhaus, K.-H. Thiele, D. Ströhl), (369) 43

Group 4 metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks, diastereomers of; crystal structure of *R,S*-Me₂Si(3-*t*-Bu-5-MeC₅H₂)₂ZrCl₂ (H. Wiesenfeldt, A. Reinmuth, E. Barsties, K. Evertz, H.-H. Brintzinger), (369) 359

Titanocene and zirconocene chiral derivatives with symmetrically substituted, tetramethylethanediyl-bridged ligands (S. Gutmann, P. Burger, H.-U. Hund, J. Hofmann, H.-H. Brintzinger), (369) 343

Tungsten

Chromium, tungsten, iron, and ruthenium complexes of the 4-membered ring diazene 3,4-diazatricyclo[4.2.1.0^{2,5}]non-3-ene (M.N. Ackermann, D.E. Adams, J. Pranata, C.F. Yamauchi), (369) 55

Pentacarbonyl mono- and di-nuclear complexes of pteridine and their diaza derivatives, coordination in and fluxional behaviour of (G. Bessenbacher, W. Kaim), (369) 83

Uranium

[(Me₃Si)₂N]₂ÜCH₂SiMe₂NSiMe₃, stereochemistry of insertion of cyclic ketones into the U–C bond of (A. Dormond, A. Elbouadili, C. Moise), (369) 171

Zinc

Palladium-catalyzed cross-coupling of bromobenzenes, containing an acetyl or formyl group, with organozinc reagents (Y. Okamoto, K. Yoshioka, T. Yamana, H. Mori), (369) 285

Zirconium

Bis(pentamethylcyclopentadienyldivinyl)-titanium, -zirconium and -hafnium compounds, formation of titanacyclobutane and -zirconacyclopent-2-ene derivatives of (R. Beckhaus, K.-H. Thiele, D. Ströhl), (369) 43

Group 4 metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks, diastereomers of; crystal structure of *R,S*-Me₂Si(3-*t*-Bu-5-MeC₅H₂)₂ZrCl₂ (H. Wiesenfeldt, A. Reinmuth, E. Barsties, K. Evertz, H.-H. Brintzinger), (369) 359

Titanocene and zirconocene chiral derivatives with symmetrically substituted, tetramethylethanediyl-bridged ligands (S. Gutmann, P. Burger, H.-U. Hund, J. Hofmann, H.-H. Brintzinger), (369) 343