

- Seitz, F., 87
 Semenov, V.V., C31
 Serrano, R., 329
 Shawkataly, O. bin, 127
 Simons, G., 1
 Soum, A., C8
 Spek, A.L., C13
 Stevens, R.E., 133
- Teuben, J.H., 207
 Teulade, M.P., 145
 Tran Huy, N.H., 215
 Tzschach, A., C1
- Umland, H., 109
- Van der Kerk, G.J.M., C13
 Vlaic, G., 369
- Wada, M., 265
 Watson, D.G., 65
 Weihua, X., 419
 Wells, P.R., 7, 25
 Werner, H., 247, 395
 White, C., 123
 Wilke, J., 305
 Williams, M.L., 127
- Wipperman, T., C5
 Wolf, J., 395
 Wong, C.S., 231
- Xu, D., 265
- Yamamoto, Y., C18
 Yamashita, A., 103
 Yanlong, Q., 419
 Yoneda, F., C18
 Youqi, T., 419
- Ziegler, M.L., 329
 Ziller, J.W., 235

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 287 (1985)

SUBJECT INDEX

Antimony

- Perfluoro-1,6-disubstituted triptycenes containing Group IV and Group V elements, synthesis of (N.A.A. Al-Jabar, A.G. Massey), 57

Arsenic

- But-3-enylbis(3-dimethylarsinopropyl)arsine and 3-dimethylarsinopropylbis(but-3-enyl)arsine, preparation and reactions with nickel(II) salts of (F.M. Ashmawy, F.R. Benn, C.A. McAuliffe, D.G. Watson), 65
- Perfluoro-1,6-disubstituted triptycenes containing Group IV and Group V elements, synthesis of (N.A.A. Al-Jabar, A.G. Massey), 57
- Ruthenium clusters, cleavage reactions with hydrogen of element-carbon bonds in (M.I. Bruce, O. bin Shawkataly, M.L. Williams), 127

Bismuth

- Perfluoro-1,6-disubstituted triptycenes containing Group IV and Group V elements, synthesis of (N.A.A. Al-Jabar, A.G. Massey), 57

Boron

- Cyclic chiral triarylboranes with a B←N bond, preparation of (L. Horner, U. Kaps, G. Simons), 1

Chromium

- 1-Alkoxy-2-azaallenyl-chromium and -tungsten complexes, preparation and X-ray analysis of (F. Seitz, H. Fischer, J. Riede), 87
- trans*-Bromomethyl(tetracarbonyl)carbynechromium, synthesis and properties of partially deuterated derivatives of (N.Q. Dao, M. Jouan, G.P. Fonseca, N.H.T. Huy, E.O. Fischer), 215
- Gold-carbene complexes, exchange reactions of carbene ligands in (E.O. Fischer, M. Böck), 279

Cobalt

- Carbonyl-cobalt, -rhodium and -iridium clusters, use in double deoxygenation of PPN(NO₂) (PPN = bis(triphenylphosphine)iminium) of (R.E. Stevens, P.C.C. Liu, W.L. Gladfelter), 133
- Co^{II}, Co^I homonuclear ion pairs as catalysts in formation of acyltetracarbonyls from hexene and CO/H₂ mixtures (G. Fachinetti, F. Del Cima, G. Sbrana, T. Funaioli), C23
- 2-Hydroxyethyl- and 2-alkoxyethylcobaloximes, mechanism of acid-induced decomposition of (K.L. Brown, S.A. Ramamurthy, D.S. Marynick), 377
- (NCCH₂, Co(COOCH₃)(CO)₃)⁻ anionic carbonylation catalyst, determination of the coordination environment of the metal in (G. Vlaic, J.C.J. Bart, M. Foà, F. Francalanci, R. Clement), 369

Copper

Organocopper(I)-Lewis acid reagents, reactions with electron-deficient olefins of; evidence for a dianionic equivalent (T. Ibuka, T. Aoyagi, K. Kitada, F. Yoneda, Y. Yamamoto), C18

Germanium

(CH₃)₃SnM(CH₃)₃ (M = Si, Ge), reactions with chlorotrimethylstannane and dichlorodimethylstannane in methanol solution of (M.J. Cuthbertson, P.R. Welles), 25

(CH₃)₃SnM(CH₃)₃ (M = Sn, Ge, Si, C), pyrolysis of (M.J. Cuthbertson, D.W. Hawker, P.R. Welles), 7

1,3-Diselena- and 1,3-dithia-[3]ferrocenophanes of germanium and tin; crystal and molecular structure of 1,3-diselena-2,2-dichlorogermyl-[3]ferrocenophane (A.G. Osborne, A.J. Blake, R.E. Hollands, R.F. Bryan, S. Lockhart), 39

Gold

Gold-carbene complexes, exchange reactions of carbene ligands in (E.O. Fischer, M. Böck), 279

Iridium

Carbonyl-cobalt, -rhodium and -iridium clusters, use in double deoxygenation of PPN(NO₂) (PPN = bis(triphenylphosphine)iminium) of (R.E. Stevens, P.C.C. Liu, W.L. Gladfelter), 133

Diamine- and dihydroxy-naphthalene bis-bridged dirhodium and diiridium complexes, preparation of (L.A. Oro, M.J. Fernandez, J. Modrego, J.M. Lopez) 409

Hydrido-iridium(III) and -rhodium(III) complexes with triisopropylphosphane ligands, reactions and behaviour as metal bases of (H. Werner, J. Wolf, A. Höhn), 395

Iron

Cyclopentadienyliron complexes with REER ligands (E = S, Se, Te; R = alkyl), synthesis and spectroscopic investigations of (N. Kuhn, H. Schumann), 345

1,3-Dienetricarbonyliron complexes, formation from dipotassium tetracarbonylferrate and allylic compounds (Y. Butsugan, A. Yamashita, S. Araki), 103

1,3-Diselena- and 1,3-dithia-[3]ferrocenophanes of germanium and tin; crystal and molecular structure of 1,3-diselena-2,2-dichlorogermyl-[3]ferrocenophane (A.G. Osborne, A.J. Blake, R.E. Hollands, R.F. Bryan, S. Lockhart), 39

Methyliron σ -bonded porphyrins; conversion of iron(III) to magnesium(II) porphyrins by methyl-Grignards (C.E. Castro, D. Kishore), C27

Thioacyl- and thioaldehyde-iron dinuclear complexes, preparation, structure and properties of (H. Umland, U. Behrens), 109

Lithium

α -Chloro- α -lithiated phosphonate carbanions, condensation reactions of (M.P. Teulade, P. Savignac, E.E. Aboujaoude, N. Collignon), 145

Cyclic chiral triarylboranes with a B-N bond, preparation of (L. Horner, U. Kaps, G. Simons), 1

Pentamethylcyclopentadienyl-substituted diphosphene, bicyclo[1.1.0]tetraphosphane, cyclotetraphosphane and cyclotriphosphanes, preparation from dihalogeno(pentamethylcyclopentadienyl)phosphanes of (P. Jutzi, T. Wippermann), C5

Tris(trimethylsilylamino)silanes, RSi(NHSiMe₃)₃, synthesis, crystal and molecular structure of dimeric trithio derivatives (D.J. Brauer, H. Bürger, G.R. Liewald, J. Wilke), 305

Magnesium

Methyliron σ -bonded porphyrins; conversion of iron(III) to magnesium(II) porphyrins by methyl-Grignards (C.E. Castro, D. Kishore), C27

Pentamethylcyclopentadienyl-substituted diphosphene, bicyclo[1.1.0]tetraphosphane, cyclotetraphosphane and cyclotriphosphanes, preparation from dihalogeno(pentamethylcyclopentadienyl)phosphanes of (P. Jutzi, T. Wippermann), C5

Mercury

Thiocyanatomercuration of acetylenic compounds, synthesis of β -isothiocyanatoalkenylmercury compounds, α -halo- β -thiocyanatoalkenes and 1-thiocyanatoalkynes (M. Giffard, J. Cousseau, L. Gouin), 287

Metalloenes

Acetylenic titanium compounds, reactivity towards molecular hydrogen of; formation of titanocene from (B. Demerseman, P. Le Coupance, P.H. Dixneuf), C35

Carbylvanadocenes, reactions with carbon monoxide, xylol isocyanide and carbon dioxide of (J. Nieman, J.H. Teuben), 207

Dimethyldicyclopentadienylvanadium, photolysis with formation of ethane of (D.F. Foust, M.D. Rausch), 195

1,3-Diselena- and 1,3-dithia-[3]ferrocenophanes of germanium and tin; crystal and molecular structure of 1,3-diselena-2,2-dichlorogermyl-[3]ferrocenophane (A.G. Osborne, A.J. Blake, R.E. Hollands, R.F. Bryan, S. Lockhart), 39

Trioxo(η^5 -pentamethylcyclopentadienyl)-rhenium, reduction reactions of (W.A. Herrmann, R. Serrano, U. Küsthardt, E. Guggolz, B. Nuber, M.L. Ziegler), 329

Molybdenum

(π -Allyl)dicarbonylcyclopentadienylmolybdenum, convenient synthesis of (T.-Y. Luh, C.S. Wong), 231

Gold-carbene complexes, exchange reactions of carbene ligands in (E.O. Fischer, M. Böck), 279

Tricarbonylphosphinimolybdenum complexes, reactions with tin(IV) derivatives of (M. Panizo, M. Cano), 221

Nickel

But-3-enylbis(3-dimethylarsinopropyl)arsine and 3-dimethylarsinopropylbis(but-3-enyl)arsine, preparation and reactions with nickel(II) salts of (F.M. Ashmawy, F.R. Benn, C.A. McAuliffe, D.G. Watson), 65

Methyl(methoxy)carbene-nickel(II) complex, *trans*-[Ni(C₆Cl₅)(PMe₂Ph)₂]{C(OMe)Me}]BF₄, crystal structure of (D. Xu, K. Miki, Y. Kai, N. Kasai, M. Wada), 265

[μ -Ni(C₅H₅)P(C₅H₅)₂][μ -C₅H₅]-[ZnC₅H₅]₂, nickel-bridged cyclopentadienylzinc dimer, preparation and crystal structure of (P.H.M. Budzelaar, J. Boersma, G.J.M. van der Kerk, A.L. Spek, A.J.M. Duisenberg), C13

Ph₃PNi(Ph)(Ph₂PCHCOPh) and *cis*-Ni(Ph₂PCHCOPh)₂ · 0.5C₆H₆, crystal and molecular structures of (H. Qichen, X. Minzhi, Q. Vanlong, X. Weihua, S. Meicheng, T. Yougi), 419

Niobium

Di- η^2 -cyclopentadienylniobium, mercapto polymer of (W. Douglas), C39

Osmium

C₅H₅WO₃(CO)₂(μ -O)(μ -CCH₂-*p*-CH₃C₆H₄), tetrahedral oxoalkylidyne complex derived from a planar μ_3 - η^2 -acyl complex, crystal structure of (M.R. Churchill, J.W. Ziller, L.R. Beanan), 235

Metal-bonded alkynyl groups, formation of a C₄ ligand by oxidative coupling of (J. Gotzig, H. Otto, H. Werner), 247

Triosmium clusters, kinetics and mechanisms of addition and elimination of hydrogen and ligand substitution on (L.M. Bavaro, J.B. Keister), 357

Palladium

η^3 -Allylpalladium complexes with phosphorus-sulphur hybrid ligands and their reduction to palladium(0) derivatives (M. Bressan, L. Dal Mas, F. Morandini, B. Prozza), 275

Phosphorus

η^3 -Allylpalladium complexes with phosphorus-sulphur hybrid ligands and their reduction to palladium(0) derivatives (M. Bressan, L. Dal Mas, F. Morandini, B. Prozza), 275

Carbonyl-cobalt, -rhodium and -iridium clusters, use in double deoxygenation of PPN(NO₂) (PPN = bis(triphenylphosphine)iminium) of (R.E. Stevens, P.C.C. Liu, W.L. Gladfelter), 133

- α -Chloro- α -lithiated phosphonate carbanions, condensations reactions of (M.P. Teulade, P. Savignac, E.E. Aboujaoude, N. Collignon), 145
- Hydrido-iridium(III) and -rhodium(III) complexes with triisopropylphosphane ligands, reactions and behaviour as metal bases of (H. Werner, J. Wolf, A. Höhn), 395
- Metal-bonded alkynyl groups, formation of a C_4 ligand by oxidative coupling of (J. Gotzig, H. Otto, H. Werner), 247
- Methyl(methoxy)carbene-nickel(II) complex, *trans*-[Ni(C_6Cl_5)(PMe_2Ph) $_2$ -C(OMe)Me]BF $_4$, crystal structure of (D. Xu, K. Miki, Y. Kai, N. Kasai, M. Wada), 265
- [μ -Ni(C_5H_5)P(C_6H_5) $_2$][μ -C $_5$ H $_5$]-[ZnC $_5$ H $_5$] $_2$, nickel-bridged cyclopentadienylzinc dimer, preparation and crystal structure of (P.H.M. Budzelaar, J. Boersma, G.J.M. van der Kerk, A.L. Spek, A.J.M. Duisenberg), C13
- Pentamethylcyclopentadienyl-substituted diphosphene, bicyclo[1.1.0]tetraphosphane, cyclotetraphosphane and cyclotriphosphanes, preparation from dihalogeno(pentamethylcyclopentadienyl)phosphanes of (P. Jutzi, T. Wipermann), C5
- Perfluoro-1,6-disubstituted triptycenes containing Group IV and Group V elements, synthesis of (N.A.A. Al-Jabar, A.G. Massey), 57
- Ph $_3$ PNi(Ph)(Ph) $_2$ PCHCOPh and *cis*-Ni(Ph) $_2$ PCHCOPh $_2$ · 0.5C $_6$ H $_6$, crystal and molecular structures of (H. Qichen, X. Minzhi, Q. Vanlong, X. Weihua, S. Meicheng, T. Yougi), 419
- [Rh(η^6 -arene)P(OPh) $_3$] $_2$ ClO $_4$, NMR studies in the presence of acetone- d_6 of (E. Bittersmann, K. Hildenbrand, A. Cervilla, P. Lahuerta), 255
- Ru(η^5 -C $_5$ H $_5$)L $_2$ H (L $_2$ = chelating phosphine), facile synthesis of (C. White, E. Cesarotti), 123
- Ruthenium clusters, cleavage reactions with hydrogen of element-carbon bonds in (M.I. Bruce, O. bin Shawkataly, M.L. Williams), 127
- Thioacyl- and thioaldehyde-iron dinuclear complexes, preparation, structure and properties of (H. Umland, U. Behrens), 109
- Tricarbonylphosphinemolybdenum complexes, reactions with tin(IV) derivatives of (M. Panizo, M. Cano), 221

Potassium

- Pentamethylcyclopentadienyl-substituted diphosphene, bicyclo[1.1.0]tetraphosphane, cyclotetraphosphane and cyclotriphosphanes, preparation from dihalogeno(pentamethylcyclopentadienyl)phosphanes of (P. Jutzi, T. Wipermann), C5

Rhenium

- Trioxo(η^5 -pentamethylcyclopentadienyl)-rhenium, reduction reactions of (W.A. Herrmann, R. Serrano, U. Küsthardt, E. Guggolz, B. Nuber, M.L. Ziegler), 329

Rhodium

- Carbonyl-cobalt, -rhodium and -iridium clusters, use in double deoxygenation of PPN(NO $_2$) (PPN = bis(triphenylphosphine)iminium) of (R.E. Stevens, P.C.C. Liu, W.L. Gladfelter), 133
- Diamine-dihydroxy-naphthalene bis-bridged dirhodium and diiridium complexes, preparation of (L.A. Oro, M.J. Fernandez, J. Modrego, J.M. Lopez), 409
- Hydrido-iridium(III) and -rhodium(III) complexes with triisopropylphosphane ligands, reactions and behaviour as metal bases of (H. Werner, J. Wolf, A. Höhn), 395
- [Rh(η^6 -arene)P(OPh) $_3$] $_2$ ClO $_4$, NMR studied in the presence of acetone- d_6 of (E. Bittersmann, K. Hildenbrand, A. Cervilla, P. Lahuerta), 255

Ruthenium

- Ru(η^5 -C $_5$ H $_5$)L $_2$ H (L $_2$ = chelating phosphine), facile synthesis of (C. White, E. Cesarotti), 123
- Ruthenium clusters, cleavage reactions with hydrogen of element-carbon bonds in (M.I. Bruce, O. bin Shawkataly, M.L. Williams), 127

Selenium

- Chalcogenochromones, synthesis of (A.J. Luxen, L.E.E. Christiaens, M.J. Renson), 81
- Cyclopentadienyliron complexes with REER ligands (E = S, Se, Te; R = alkyl), synthesis and spectroscopic

- investigations of (N. Kuhn, H. Schumann), 345
- 1,3-Diselena- and 1,3-dithia-[3]ferrocenophanes of germanium and tin; crystal and molecular structure of 1,3-diselena-2,2-dichlorogermyl-[3]ferrocenophane (A.G. Osborne, A.J. Blake, R.E. Hollands, R.F. Bryan, S. Lockhart), 39

Silicon

- (CH₃)₃SnM(CH₃)₃ (M = Si, Ge), reactions with chlorotrimethylstannane and dichlorodimethylstannane in methanol solution of (M.J. Cuthbertson, P.R. Welles), 25
- (CH₃)₃SnM(CH₃)₃ (M = Sn, Ge, Si, C), pyrolysis of (M.J. Cuthbertson, D.W. Hawker, P.R. Welles), 7
- n-Decamethyltetrasilanes, oxidations with peroxybenzoic acid of (G.A. Razuvaev, V.V. Semenov, T.N. Breznova, A.N. Kornev), C31
- Di-t-butylhydroxylfluorosilicon, t-Bu₂Si(OH)F, crystal structure of tetramer of (N.B. Buttrus, C. Eaborn, P.B. Hitchcock, A.K. Saxena), 157
- 1,5,5-Trimethyl-1-aza-5-silabicyclo-[3.3.0]^{1,5} octane and 1-aza-5-sila-5-methyltricyclo[3.3.3]^{1,5} undecane pentacoordinated tetraorganosilicon compounds, synthesis of (K. Jurkschat, C. Mugge, J. Schmidt, A. Tzschach), C1
- Tris(trimethylsilylamino)silanes, RSi(NHSiMe₃)₃, synthesis, crystal and molecular structure of dimeric trithio derivatives (D.J. Brauer, H. Bürger, G.R. Liewald, J. Wilke), 305

Sodium

- Pentamethylcyclopentadienyl-substituted diphosphene, bicyclo[1.1.0]tetraphosphane, cyclotetraphosphane and cyclo-triphosphanes, preparation from dihalogeno(pentamethylcyclopentadienyl)phosphanes of (P. Jutzi, T. Wippermann), C5

Sulphur

- η^3 -Allylpalladium complexes with phosphorus-sulphur hydride ligands and their reduction to palladium(0) derivatives (M. Bressan, L. Dal Mas, F. Morandini, B. Prozza), 275

- Chalcogenochromones, synthesis of (A.J. Luxen, L.E.E. Christiaens, M.J. Renson), 81

- Cyclopentadienyliron complexes with REER ligands (E = S, Se, Te; R = alkyl), synthesis and spectroscopic investigations of (N. Kuhn, H. Schumann), 345

- Di- η^2 -cyclopentadienylniobium, mercapto polymer of (W. Douglas), C39

- 1,3-Diselena- and 1,3-dithia-[3]ferrocenophanes of germanium and tin; crystal and molecular structure of 1,3-diselena-2,2-dichlorogermyl-[3]ferrocenophane (A.G. Osborne, A.J. Blake, R.E. Hollands, R.F. Bryan, S. Lockhart), 39

- Ruthenium clusters, cleavage reactions with hydrogen of element-carbon bonds in (M.I. Bruce, O. bin Shawkataly, M.L. Williams), 127

- Thioacyl- and thioaldehyde-iron dinuclear complexes, preparation, structure and properties of (H. Umland, U. Behrens), 109

- Thiocyanatomercuration of acetylenic compounds, synthesis of β -isothiocyanatoalkenylmercury compounds, α -halo- β -thiocyanatoalkenes and 1-thiocyanatoalkynes (M. Giffard, J. Cousseau), 287

Tellurium

- Chalcogenochromones, synthesis of (A.J. Luxen, L.E.E. Christiaens, M.J. Renson), 81

- Cyclopentadienyliron complexes with REER ligands (E = S, Se, Te; R = alkyl), synthesis and spectroscopic investigations of (N. Kuhn, H. Schumann), 345

- 1-Organic-1-halo-1-telluracyclopentane, synthesis and spectroscopic investigations of (A.Z. Al-Rubaie, H.A.Y. Alshirayda, P. Granger, S. Chapelle), 321

Tin

- (CH₃)₃SnM(CH₃)₃ (M = Si, Ge), reactions with chlorotrimethylstannane and dichlorodimethylstannane in methanol solution of (M.J. Cuthbertson, P.R. Welles), 25

- (CH₃)₃SnM(CH₃)₃ (M = Sn, Ge, Si, C), pyrolysis of (M.J. Cuthbertson, D.W. Hawker, P.R. Welles), 7

- 1,3-Diselena- and 1,3-dithia-[3]ferrocenophanes of germanium and tin; crystal and molecular structure of 1,3-diselena-2,2-dichlorogermyl-[3]ferrocenophane (A.G. Osborne, A.J. Blake, R.E. Hollands, R.F. Bryan, S. Lockhart), 39
- Di-*t*-butylhydroxyhalotin, $t\text{-Bu}_2\text{Sn(OH)X}$ (X = F, Cl, Br), X-ray analysis of (H. Puff, H. Hevendehl, K. Höfer, H. Reuter, W. Schuh), 163
- Neophyltin(IV) chemistry, steric effects in (T.P. Lockhart), 179
- Tin(IV) anionic complexes, *trans*-strengthening in (K.A. Paseshnitchenko, L.A. Aslanov, A.V. Jatsenko, S.V. Medvedev), 187
- Tributylhydridotin, high pressure reactions with chloro ketones of (M. Degeueil-Castaing, B. Maillard, A. Rahm), 49
- Tricarbonylphosphinemolybdenum complexes, reactions with tin(IV) derivatives of (M. Panizo, M. Cano), 221

Titanium

- Acetylenic titanium compounds, reactivity towards molecular hydrogen of; formation of titanocene from (B. Demerseman, P. Le Coupanec, P.H. Dixneuf), C35

Tungsten

- 1-Alkoxy-2-azaallenyl-chromium and -tungsten complexes, preparation and X-ray analysis of (F. Seitz, H. Fischer, J. Riede), 87
- $\text{C}_5\text{H}_5\text{WO}_3(\text{CO})_2(\mu\text{-O})(\mu_3\text{-CCH}_2\text{-}p\text{-CH}_2\text{C}_6\text{H}_4)$, tetrahedral oxoalkylidyne complex derived from a planar

$\mu_3\text{-}\eta^2$ -acyl complex, crystal structure of (M.R. Churchill, J.W. Ziller, L.R. Beanan), 235

- Gold-carbene complexes, exchange reactions of carbene ligands in (E.O. Fischer, M. Böck), 279
- 1-Methoxypent-4-ene(tetracarbonyl)-tungsten, $(\text{CO})_4\text{W}=\text{C}(\text{OCH}_3)\text{-CH}_2\text{CH}_2\text{CH}=\text{CH}_2$, reactions with alkynes with formation of bicyclo-[4.1.0]heptane derivatives of (A. Parlier, H. Rudler, N. Platzler, M. Fontanille, A. Soum), C8

Vanadium

- Carbylvanadocenes, reactions with carbon monoxide, xylyl isocyanide and carbon dioxide of (J. Nieman, J.H. Teuben), 207
- Dimethyldicyclopentadienylvanadium, photolysis with formation of ethane of (D.F. Foust, M.D. Rausch), 195

Zinc

- $[\mu\text{-Ni}(\text{C}_5\text{H}_5)_2\text{P}(\text{C}_6\text{H}_5)_2][\mu\text{-C}_5\text{H}_5\text{-}[\text{ZnC}_5\text{H}_5]_2]$, nickel-bridged cyclopentadienylzinc dimer, preparation and crystal structure of (P.H.M. Budzelaar, J. Boersma, G.J.M. van der Kerk, A.L. Spek, A.J.M. Duisenberg), C13

Book review

- Gmelin handbook of inorganic chemistry, 8th edit., Rh — rhodium, Suppl. Vol. B3. Coordination compounds with ligands containing S, Se, Te, P, As, Sb and metals; by W.P. Griffith, J.A. McCleverty and S.D. Robinson (M.F. Lappert), C25