

SUBJECT INDEX

Aluminium

μ -Methylene bis[chlorobis(trimethylsilyl)methylalane] $\{(Me_3Si)_2CH(Cl)Al-CH_2-Al(Cl)CH(SiMe_3)_2\}$ having a heteroadamantane structure (W. Uhl, M. Layh), (415) 181

Chromium

Haloarenetricarbonylchromium, complexes obtained after treatment with anions of α -imino esters or nitriles; synthesis and conformational study of (F. Rose-Munch, K. Aniss, E. Rose, J. Vaisserman), (415) 223

Cobalt

Carbomethoxycyclopentadienyldicarbonylcobalt(I), carbonyl substitution reactions with bidentate phosphines; kinetic and mechanistic study (C. Moreno, Ma.J. Macazaga, S. Delgado), (415) 271

20-Electron halfsandwich compounds, sterical stabilization of; crystal structure of $[(C_5H_5)Co(P(OMe)_2O)_3Ni(C_5Ph_5)]$ (W. Klaui, M. Huhn, R. Herbst-Irmer), (415) 133

Metal carbonyl dimers, new mechanism for substitution reactions of (B.F.G. Johnson), (415) 109

Germanium

Dimethylgermylene, photo-generated from dodecamethylcyclohexagermane; reactivity, absorption and emission (K. Mochida, N. Kanno, R. Kato, M. Kotani, S. Yamauchi, M. Wakasa, H. Hayashi), (415) 191

Germaphosphene, stable complex; chemical properties (H. Ranaivonjatovo, J. Escudié, C. Couret, J. Satgé), (415) 327

Trifluoromethylgermanes, properties of; adduct formation and substitution reactions of $(CF_3)_nGeX_{4-n}$ ($n = 2-4$) with NH_3 (R. Eujen, F.E. Laufs), (415) 47

Indium

Quinones, allylation by allylic reagents (S. Araki, N. Katsumura, Y. Butsugan), (415) 7

Iron

Carbonyl metallate ions, coordinatively unsaturated and electron deficient, chemistry of; gas phase reactions of $[Fe(CO)_2]^{-}$ with hydrocarbons (I.K. Gregor), (415) 257

Di- and tri-phosphollide ions and their ferrocene analogues; synthesis of (R. Bartsch, J.F. Nixon), (415) C15

$[Fe_2\{\mu-C(CN)SMe_2\}(-CO)(CO)_2(Cp)_2]SO_3CF_3$ ($Cp = \eta-C_5H_5$), reactions with alcohols (L. Busetto, M.C. Cassani, V. Zanotti, V.G. Albano, D. Braga), (415) 395

Iron(0)-phthalocyanine and bis(dimethylglyoximate)-triphenylphosphinerhodate(I), conversion of 1-bromoalkines (D. Steinborn, U. Sedlak, M. Dargatz), (415) 407

Tetracarbonyl(1,1',3,3'-tetra-tert-butyl-5,5'-pentafulvalene)diiron, reactions at the iron-iron bond (P. Jutzi, J. Schnittger, J. Dahlhaus, D. Gestmann, H.-C. Leue), (415) 117

Lead

p -Tol₆Sn₂, p -Tol₆PbSn, and p -Tol₆Pb₂, hexa- p -tolylethane derivatives; synthesis, homoeotype structures, NMR couplings, and valence vibrations (C. Schneider, M. Dräger), (415) 349

Lithium

- Alkylarenes, optional *ortho* or alpha hydroxymethylation (Y. Guggisberg, F. Faigl, M. Schlosser), (415) 1
- 3,3'-Di-tert-butyltitanocene dichloride, tetramethylethanobridged; stereoselectivity in the synthesis of (M.S. Erickson, F.R. Fronczek, M.L. McLaughlin), (415) 75

Magnesium

- Magnesium bromide and iodide in diethyl ether and tetrahydrofuran; extended X-ray absorption fine structure (EXAFS) and large angle X-ray scattering (LAXS) study (A. Wellmar, I. Persson), (415) 143
- Organomagnesium bromides in diethyl ether; extended X-ray absorption fine structure (EXAFS) and large angle X-ray scattering (LAXS) study (A. Wellmar, A. Hallberg, I. Persson), (415) 167
- Organomagnesium iodides in diethyl ether; large angle scattering (LAXS) study (A. Wellmar, I. Persson), (415) 155

Manganese

- Metal carbonyl dimers, new mechanism for substitution reactions of (B.F.G. Johnson), (415) 109

Metalloenes

- 3,3'-Di-tert-butyltitanocene dichloride, tetramethylethanobridged; stereoselectivity in the synthesis of (M.S. Erickson, F.R. Fronczek, M.L. McLaughlin), (415) 75
- [Fe₂{μ-C(CN)SMe₂}(–CO)(CO)₂(Cp)₂]SO₃CF₃ (Cp = η-C₅H₅), reactions with alcohols (L. Busetto, M.C. Cassani, V. Zanotti, V.G. Albano, D. Braga), (415) 395

Molybdenum

- Alkylidene dinitrosyl molybdenum complexes; synthesis and characterization of ethylidene complexes of the type [(Et₃Sn·AlCl₃)₂Mo(NO)₂(=CHMe)] (A. Keller), (415) 97
- [Mo(CO)₂(L)^{bu}S₄²⁻], complexes with sterical tetradentate thioether thiolate ligands ^{bu}S₄²⁻ = 1,2-bis(2-mercapto-3,5-di-*t*-butylphenylthio)ethan(2-) (L = CO, PMe₃, PPh₃) (D. Sellmann, F. Grasser, M. Moll), (415) 367
- [W₂(CO)₁₀]²⁻ and [Mo₂(CO)₈(μ-H)(μ-L)]⁻ (L = bidentate phosphines) anions, their use in the synthesis of mercury-transition metal clusters (R. Reina, O. Rossell, M. Seco, A. Perales), (415) 101

Nickel

- 20-Electron halfsandwich compounds, sterical stabilization of; crystal structure of [(C₅H₅)Co{P(OMe)₂O}₃Ni(C₅Ph₅)] (W. Klaui, M. Huhn, R. Herbst-Irmer), (415) 133
- Para- and diamagnetic nickel complexes, tetra-tert-butyl-dihydropentafulvene as educt for (P. Jutzi, J. Schnittger, W. Wieland, B. Neumann, H.-G. Stammler), (415) 425

Palladium

- Cyclopalladated *p*-azoxyanisole complexes; crystal structure of [*N*-(phenyl)-2-salicylideneaminato]-[4'-(methoxyphenyl)-*NNO*-azoxy-*N*²]-4-methoxyphenyl-2-ato]palladium(II) (M. Ghedini, S. Morrone, G. De Munno, A. Crispini), (415) 281
- 3,3-Diaryllallyl acetates, palladium catalyzed cyclocarbonylation of (M. Iwasaki, Y. Ishii, M. Hidai), (415) 435
- N-bonded η¹-1-azaallyl type complexes of platinum(II) and palladium(II), synthesis and reactivity of; crystal structure of [Pt{CH=C(NHCOMe)C(O)O}(PMe₃Ph)₂] (R.D.W. Kemmitt, S. Mason, D.R. Russell), (415) C9

Phosphorus

- Di- and tri-phospholide ions and their ferrocene analogues; synthesis of (R. Bartsch, J.F. Nixon), (415) C15
- [Mo(CO)₂(L)^{bu}S₄²⁻], complexes with sterical tetradentate thioether thiolate ligands ^{bu}S₄²⁻ = 1,2-bis(2-mercapto-3,5-di-*t*-butylphenylthio)ethan(2-) (L = CO, PMe₃, PPh₃) (D. Sellmann, F. Grasser, M. Moll), (415) 367
- Para- and diamagnetic nickel complexes, tetra-tert-butyl-dihydropentafulvene as educt for (P. Jutzi, J. Schnittger, W. Wieland, B. Neumann, H.-G. Stammler), (415) 425

Platinum

N-bonded η^1 -1-azaallyl type complexes of platinum(II) and palladium(II), synthesis and reactivity of; crystal structure of $[\text{Pt}\{\text{CH}=\text{C}(\text{NHCOMe})\text{C}(\text{O})\text{O}\}(\text{PMe}_2\text{Ph})_2]$ (R.D.W. Kemmitt, S. Mason, D.R. Russell), (415) C9

Potassium

Alkylarenes, optional *ortho* or alpha hydroxymethylation (Y. Guggisberg, F. Faigl, M. Schlosser), (415) 1

Rhenium

Metal carbonyl dimers, new mechanism for substitution reactions of (B.F.G. Johnson), (415) 109

Rhodium

trans-Chloroethanebis(piperidine)rhodium(I), *trans*- $[\text{RhCl}(\text{C}_2\text{H}_4)(\text{C}_5\text{H}_{10}\text{NH})_2]$, selective catalyst for the hydroamination of ethene; molecular and crystal structure of (D. Selent, D. Scharfenberg-Pfeiffer, G. Reck, R. Taube), (415) 417

Iron(0)-phthalocyanine and bis(dimethylglyoximate)-triphenylphosphinerhodate(I), conversion of 1-bromoalkines (D. Steinborn, U. Sedlak, M. Dargatz), (415) 407

Rhodium pentafluorophenylthiolato complexes, steric effects in oxidative addition and reductive elimination reactions of (L. Carlton), (415) C19

Ruthenium

Hydridoruthenium(II) carboxylates, insertion reactions with acetylenes (S.S. Deshpande, S. Gopinathan, C. Gopinathan), (415) 265

$\text{RuCl}_2(\text{PPh}_3)_2$, reactions of cyclic acetals with alcohols in the presence of (M. Bartók, K. Feldföldi, G.B. Bartók), (415) 127

Silicon

Alkoxysilyl amide derivatives of neodymium, samarium, and ytterbium; 4-membered anorganic ring systems in the chemistry of lanthanoids (A. Rechnagel, A. Steiner, S. Brooker, D. Stalke, F.T. Edlmann), (415) 315

rac-Dimethylphenyl[1-(phenylacetamido)ethyl]silane, synthesis and enantioselective enzymatic hydrolysis (H. Hengelsberg, R. Tacke, K. Fritsche, C. Syldatk, F. Wagner), (415) 39

μ -Methylene bis[chlorobis(trimethylsilyl)methylalane] $\{(\text{Me}_3\text{Si})_2\text{CH}(\text{Cl})\text{Al}-\text{CH}_2-\text{Al}(\text{Cl})\text{CH}(\text{SiMe}_3)_2\}$ having a heteroadamantane structure (W. Uhl, M. Layh), (415) 181

Organothallium(III) dimesylamides $(\text{Me}_3\text{SiCH}_2)_2\text{TlN}(\text{SO}_2\text{Me})_2$ and $(\text{Me}_3\text{SiCH}_2)_2\text{TlN}(\text{SO}_2\text{Me})_2 \cdot \text{H}_2\text{O}$; synthesis and X-ray structural study (A. Blaschette, P.G. Jones, A. Michalides, M. Naveke), (415) 25

Sodium

Organosodium complexes with benzyl, xylyl, diphenylmethyl, and 1-phenyl ethyl carbanions (S. Corbellin, N.P. Lorenzen, J. Kopf, E. Weiss), (415) 293

Sulphur

$[\text{Fe}_2\{\mu\text{-C}(\text{CN})\text{SMe}_2\}(\text{-CO}\{\text{CO}\}_2(\text{Cp})_2)\text{SO}_3\text{CF}_3]$ ($\text{Cp} = \eta\text{-C}_5\text{H}_5$), reactions with alcohols (L. Busetto, M.C. Cassani, V. Zanotti, V.G. Albano, D. Braga), (415) 395

Tellurium

Pentacarbonyl(tellurobenzaldehyde)tungsten; synthesis, thermolysis and reactions with conjugated dienes (H. Fischer, A. Fruh, C. Troll), (415) 211

Thallium

Organothallium(III) dimesylamides $(\text{Me}_3\text{SiCH}_2)_2\text{TlN}(\text{SO}_2\text{Me})_2$ and $(\text{Me}_3\text{SiCH}_2)_2\text{TlN}(\text{SO}_2\text{Me})_2 \cdot \text{H}_2\text{O}$; synthesis and X-ray structural study (A. Blaschette, P.G. Jones, A. Michalides, M. Naveke), (415) 25

Tin

- Alkylidene dinitrosyl molybdenum complexes; synthesis and characterization of ethylidene complexes of the type $[(Et_3Sn \cdot AlCl_3)_2 Mo(NO)_2(=CHMe)]$ (A. Keller), (415) 97
- $[1,2\text{-Benzenedithiolate-(2-)-S,S'}\text{-bis(methyl-1,3-dithia-benzo[}c\text{]-2-stannolanyl)}](CH_3Sn)_2(C_6H_4S_2)_3]$, synthesis and crystal structure of (V. Peruzzo, G. Plazzogna, G. Bandoli), (415) 335
- Bis(*o*-, *m*-, and *p*-aminobenzoate-*o,o'*) di-*n*-butyltin(IV) compounds; structures in the solid state and in solution (S.P. Narula, S.K. Bharadwaj, H.K. Sharma, Y. Sharda, G. Mairesse), (415) 203
- $[(\mu\text{-OH})(Me_3Sn)_2(\mu\text{-NC})_2Ni(CN)_2]^{2-}$, a planar heterobimetallic macrocyclic anion; stabilization of the binuclear organotin(IV) cation $[(\mu\text{-OH})(Me_3Sn)_2]^+$ within (T.M. Soliman, S.E.H. Etaiw, G. Fendesak, R.D. Fischer), (415) C1
- Stannacyclobutene, derivative from a sterically congested chloro(mesityl)stannane (M. Weidenbruch, K. Schäfers, J. Schlaefke, K. Peters, H.G. von Schnering), (415) 343
- p*-Tol₆Sn₂, *p*-Tol₆PbSn, and *p*-Tol₆Pb₂, hexa-*p*-tolylethane derivatives; synthesis, homoeotype structures, NMR couplings, and valence vibrations (C. Schneider, M. Dräger), (415) 349

Titanium

- 3,3'-Di-*tert*-butyltitanocene dichloride, tetramethylethanobridged; stereoselectivity in the synthesis of (M.S. Erickson, F.R. Fronczek, M.L. McLaughlin), (415) 75
- Titanium complexes with fulvene and dimethylenecyclopentenyl ligands; formation from bis(η^5 -tetramethylcyclopentadienyl)titanium(IV) precursors (K. Mach, V. Varga, V. Hanus, P. Sedmera), (415) 87

Tungsten

- η^2 -iminoacyl and η^3 -1-azaallyl complexes of tungsten, four- and five-membered metallaheterocycles; selective synthesis via C-C bond-forming reactions with alkyl isocyanides (A.C. Filippou, C. Vökl, P. Kiprof), (415) 375
- Pentacarbonyl(tellurobenzaldehyde)tungsten; synthesis, thermolysis and reactions with conjugated diene (H. Fischer, A. Fruh, C. Troll), (415) 211
- $[W_2(CO)_{10}]^{2-}$ and $[Mo_2(CO)_8(\mu\text{-H})(\mu\text{-L})]^-$ (L = bidentate phosphines) anions, their use in the synthesis of mercury-transition metal clusters (R. Reina, O. Rossell, M. Seco, A. Perales), (415) 101

Uranium

- Tri-*tert*-butyl methoxide uranium(IV) complexes, influence of electronic factors on the structure and stability of (C. Baudin, D. Baudry, M. Ephritikhine, M. Lance, A. Navaza, M. Nierlich, J. Vigner), (415) 59
- Uraniumindenylium compound, uranium(III)-tetrahydrofuran bond disruption enthalpy in (X. Jemine, J. Goffart, S. Bettonville, J. Fuger), (415) 363

Book reviews

- The chemistry of organophosphorus compounds vol. 1, primary, secondary and tertiary phosphines, polyphosphines and heterocyclic organophosphorus(III) compounds, edited by F.R. Hartley (J.D. Smith), (415) C6