Subject index of Volume 560

Ab initio MO calculations

Molecular structure of phenylsilane: a study by gas-phase electron diffraction and ab initio molecular orbital calculations, 183 Acylpyrazol-5-one derivatives

Triphenylantimony(V) derivatives of acylpyrazol-5-ones, 95 Aggregate

Organogold(III) Metallacyclic Chemistry. Part 3. Self-assembly of the nonametallic gold(III)-silver(I)-sulfido aggregates $\begin{array}{ll} \{LAu(\mu\text{-}S)_2AuL\}_3Ag_3X_2\}^+ & (L=cycloaurated & \textit{N,N-dimethylbenzylamine ligand; X} = Cl, Br), by thiourea desulfurisation, 169 \end{array}$

Alkene complexes

Preparation and reactions of palladium(0)-olefin complexes with iminophosphine ligands, 137

Alkenes

Rhodium-catalyzed reaction of aroyl chlorides with alkynes or alkenes in the presence of disilanes, 217

Alkynes

Rhodium-catalyzed reaction of aroyl chlorides with alkynes or alkenes in the presence of disilanes, 217

Allyl

Reactions of the cycloheptatrienyl complexes $[MX(CO)_2(\eta-C_7H_7)]$ (M = Mo, X = Br; M = W, X = I) with CNBu': X-ray crystal structure of $[WI(CO)_2(CNBu')_2(\eta^3-C_7H_7)]$, 265

2-Allylphenols

Synthesis of benzofurans via Pd²⁺-catalyzed oxidative cyclization of 2-allylphenols, 163

Aluminium

Structure characterisation of the organoaluminium intermediate resulting from the alkylation of a chelated carbonyl group. Molecular structure of the trinuclear [MeAl][C₁₂H₂₀O₄] [AlMe₂]₂ compound, 89

Amido ligand

A dimolybdenum(III) azido compound: its decomposition into amido and nitrido derivatives. Crystal structure of [Mo₃(O)(N)Cp₃(SMe)₄], 245

Anchimeric assistance

1,3-Migration of a phenyl group in the conversion of (Me₃Si)₂ (PhMe₂Si)CSiMePhX into (Me₃Si)₂(Ph₂MeSi)CSiMe₂Y species. 41

Antimony

Triphenylantimony(V) derivatives of acylpyrazol-5-ones, 95 Arene hydrido complexes

Synthesis and characterization of some arene hydrido-complexes $[Ru(\eta^6\text{-arene})(EPh_3)_2H]^+ \quad (\eta^6\text{-arene} = benzene, \ p\text{-cymene}$ or hexamethylbenzene; E = P, As or Sb). Crystal structure of $[Ru(\eta^6\text{-}C_6H_6)(PPh_3)_2H]BF_4.,\ 35$

 $(\eta 6 ext{-Arene})$ ruthenium

Preparations and structures of (η^6 -arene)ruthenium(II) complexes bearing 1,1'-bis(diphenylphosphinomethyl)ferrocene or 1,1'-bis(diphenylphosphino)ferrocene, 223

Aroyl chrolides

Rhodium-catalyzed reaction of aroyl chlorides with alkynes or alkenes in the presence of disilanes, 217

Arsine

Synthesis and characterization of some arene hydrido-complexes $[Ru(\eta^6\text{-arene})(EPh_3)_2H]^+ \quad (\eta^6\text{-arene} = benzene, \ p\text{-cymene} \\ \text{or hexamethylbenzene; } E=P, \ As \ \text{or Sb)}. \ \text{Crystal structure} \\ \text{of } [Ru(\eta^6\text{-}C_6H_6)(PPh_3)_2H]BF_4, \ 35$

Azido ligand

A dimolybdenum(III) azido compound: its decomposition into amido and nitrido derivatives. Crystal structure of [Mo₃(O)(N)Cp₃(SMe)₄], 245

Benzofuranes

Synthesis of benzofurans via Pd²⁺-catalyzed oxidative cyclization of 2-allylphenols, 163

Bi-Bi bond

Synthesis and crystal structure of tetrakis(2,4,6-trimethylphenyl) dibismuthoxide, 211

Bidentate

Transition metal chemistry of phosphorus based ligands. Ruthenium(II) chemistry of bis(phosphino)amines, X₂PN(R)PX₂ (R = H or Ph, X = Ph; R = Ph, X₂ = O₂C₆H₄), 131

Bis(oxime)complexes

Steric *cis* influence and lateral compression of the metallabicycle in bis(dioxime) vitamin B_{12} models, 155

Bis(phosphino)amines

Transition metal chemistry of phosphorus based ligands. Ruthenium(II) chemistry of bis(phosphino)amines, $X_2PN(R)PX_2$ (R = H or Ph, X = Ph, R = Ph, $X_2 = O_2C_6H_4$), 131

Bond angle

Synthesis and crystal structure of tetrakis(2,4,6-trimethylphenyl) dibismuthoxide, 211

Bond distance

Synthesis and crystal structure of tetrakis(2,4,6-trimethylphenyl) dibismuthoxide, 211

Borasiloxanes

Synthesis of difunctional borasiloxanes and their behavior in metathesis reactions, 109

Carbon monoxide

Electrochemical generation of a nickel-carbonyl complex, catalyst for the electroreductive coupling of organic halides and carbon monoxide into ketones, 103

Carbonyl

Synthesis and diastereoselective functionalisation of tricarbonyl[(3a,7a)-octahydro-3-substituted-2- $(\eta^6$ -phenyl)benzo-xazole]chromium(0) complexes, 197

Carbonyl alkylation

Structure characterisation of the organoaluminium intermediate resulting from the alkylation of a chelated carbonyl group. Molecular structure of the trinuclear [MeAl][$C_{12}H_{20}O_4$] [AlMe₂]₂ compound, 89

Carbonylation catalysis

Electrochemical generation of a nickel-carbonyl complex, catalyst for the electroreductive coupling of organic halides and carbon monoxide into ketones. 103

Catalysis

Ligand exchange and catalysis in phenylation reactions mediated by lead tetracarboxylates, 77

Synthesis of benzofurans via Pd²⁺-catalyzed oxidative cyclization of 2-allylphenols, 163

Cationic

Reductive dimerization of dialkyl acetylenedicarboxylate catalyzed by $[Rh(binap)(MeOH)_2]CIO_4$ in methanol, 253

Transition metal chemistry of phosphorus based ligands. Ruthenium(II) chemistry of bis(phosphino)amines, $X_2PN(R)PX_2$ (R = H or Ph, X = Ph, R = Ph, $X_2 = O_2C_6H_4$), 131

CC activation

Reduction reactions of the metallocene complex (η^5 - $C_5H_4CMe_2C_9H_7$)₂ZrCl₂, 69

CH activation

Reduction reactions of the metallocene complex (η^5 - $C_5H_4CMe_2C_9H_7$) $_2ZrCl_2$, 69

Chiral auxiliaries

Enantioselective organic syntheses using chiral transition metal complexes V. (2S,3S)-Bis(dibenzophospholyl)butane, a rigid (S,S)-CHIRAPHOS analog, 257

Chromium

Synthesis and characterization of chromocenes containing bulky cyclopentadienyl ligands, 15

Synthesis and diastereoselective functionalisation of tricarbonyl [(3a,7a)-octahydro-3-substituted-2- $(\eta^6$ -phenyl)benzoxazole] chromium(0) complexes, 197

Chromocenes

Synthesis and characterization of chromocenes containing bulky cyclopentadienyl ligands, 15

Cis-influences

Steric cis influence and lateral compression of the metallabicycle in bis(dioxime) vitamin B_{12} models, 155

Clusters

Synthesis, characterization and electrochemical studies of the heterometallic diclusters [$\{Fe_2(\mu\text{-CO})(CO)_6(\mu\text{-PPh}_2)Au\}_2(di-phosphine)$] (diphosphine = dppm, dppip, dppe, dppp), 147 Conformational dynamics

The conformational dynamics of dicarbonylcyclopentadienyl(2-oxopropyl)iron(II): An infrared and molecular mechanics study, 63

Copper

Synthesis of germylcopper compounds by hydride method. Crystal structure of (C₆F₅)₃GeCu(PPh₃)₂, 21

Crystal structure

A dimolybdenum(III) azido compound: its decomposition into amido and nitrido derivatives. Crystal structure of [Mo₃(O) (N)Cp₃(SMe)₄], 245

Dicarbonyl dithio ligand complexes of tungsten(II), 1

Organogold(III) metallacyclic chemistry. Part 4. Synthesis, characterisation, and biological activity of gold(III)-thiosalicylate and -salicylate complexes, 233

 $\label{eq:Seven-coordinate} Seven-coordinate thiophene-3-acetonitrile complexes of tung-sten(II). Crystal structures of [WI_2(CO)_3{NCCH}_2(3-C_4H_3S))_2] and [WI_2(CO)_3{NCCH}_2(3-C_4H_3S))_4(AsPh_3)], 191$

Structure characterisation of the organoaluminium intermediate resulting from the alkylation of a chelated carbonyl group. Molecular structure of the trinuclear [MeAl][C₁₂H₂₀O₄] [AlMe₂]₂ compound, 89

Synthesis and characterization of chromocenes containing bulky cyclopentadienyl ligands, 15

Synthesis and crystal structure of tetrakis(2,4,6-trimethylphenyl) dibismuthoxide, 211

Synthesis and diastereoselective functionalisation of tricarbonyl[(3a,7a)-octahydro-3-substituted-2-(η⁶-phenyl)benzo-xazole]chromium(0) complexes, 197

Crystal structures

An octahedral stannylmanganese stannylene complex, 125 Cyanide bridges

Synthesis and characterization of binuclear transition metal-rhenium(VII) complexes with bridging cyanide ligands, 117

Cyclocarboborasiloxanes

Synthesis of difunctional borasiloxanes and their behavior in metathesis reactions, 109

Cycloheptatrienyl

Reactions of the cycloheptatrienyl complexes $[MX(CO)_2(\eta-C_7H_7)]$ (M = Mo, X = Br; M = W, X = I) with CNBu': X-ray crystal structure of $[WI(CO)_2(CNBu')_2(\eta^3-C_7H_7)]$, 265

Cyclooctatetraene

Photoelectron spectroscopy of mono and binuclear iron and chromium cyclooctatetraene complexes, 7

Cyclopentadienyl

A dimolybdenum(III) azido compound: its decomposition into amido and nitrido derivatives. Crystal structure of [Mo₃(O)(N)Cp₃(SMe)₄], 245

Synthesis and characterization of oxo- and thiophosphorylcy-clopentadienyl Ti(IV) thiolate complexes. Crystal structures of $[(\eta^5-C_5H_4P(S)Ph_2)(\eta^5-C_5H_4SiMe_3)TiCl_2]$ and $[(\eta^5-C_5H_4P(S)Ph_2)_7Ti(SPh)_2] \cdot C_4H_{10}O$, 27

Desulfurisation

Di- and trimolybdenum complex

A dimolybdenum(III) azido compound: its decomposition into amido and nitrido derivatives. Crystal structure of [Mo₃(O)(N)Cp₃(SMe)₄], 245

Dicarbonyl

Dicarbonyl dithio ligand complexes of tungsten(II), 1

Dicarbonylcyclopentadienyl(2-oxopropyl)iron(II)

The conformational dynamics of dicarbonylcyclopentadienyl(2-oxopropyl)iron(II): An infrared and molecular mechanics study, 63

Dimerization

Reductive dimerization of dialkyl acetylenedicarboxylate catalyzed by [Rh(binap)(MeOH)₂]ClO₄ in methanol, 253

Diphosphine

Synthesis, characterization and electrochemical studies of the heterometallic diclusters [$\{Fe_2(\mu\text{-CO})(CO)_6(\mu\text{-PPh}_2)Au\}_2(\text{diphosphine})$] (diphosphine = dppm, dppip, dppe, dppp), 147

Disilanes

Rhodium-catalyzed reaction of aroyl chlorides with alkynes or alkenes in the presence of disilanes, 217

Dithio ligand

Dicarbonyl dithio ligand complexes of tungsten(II), 1

Dpmf-Ru complexes

Preparations and structures of $(\eta^6$ -arene)ruthenium(II) complexes bearing 1,1'-bis(diphenylphosphinomethyl)ferrocene or 1,1'-bis(diphenylphosphino)ferrocene, 223

Dppf-Ru complexes

Preparations and structures of (η^6 -arene)ruthenium(II) complexes bearing 1,1'-bis(diphenylphosphino)ferrocene or 1,1'-bis(diphenylphosphino)ferrocene, 223

Electrochemistry

Preparations and structures of $(\eta^6$ -arene)ruthenium(II) complexes bearing 1,1'-bis(diphenylphosphino)ferrocene or 1,1'-bis(diphenylphosphino)ferrocene, 223

Electroreduction

Electrochemical generation of a nickel-carbonyl complex, catalyst for the electroreductive coupling of organic halides and carbon monoxide into ketones, 103

Electrospray

Organogold(III) metallacyclic chemistry. Part 4. Synthesis, characterisation, and biological activity of gold(III)-thiosalicy-late and -salicylate complexes, 233

Electrospray mass spectrometry

Organogold(III) Metallacyclic Chemistry. Part 3. Self-assembly of the nonametallic gold(III)-silver(I)-sulfido aggregates $[\{LAu(\mu-S)_2AuL\}_3Ag_3X_2]^+ \quad (L=cycloaurated \quad N,N-dimethylbenzylamine ligand; \quad X=Cl, \quad Br), \quad by \quad thiourea \ desulfurisation, \quad 169$

Fe/Re binuclear complexes

Synthesis and characterization of binuclear transition metal-rhenium(VII) complexes with bridging cyanide ligands, 117

FT-IR

The conformational dynamics of dicarbonylcyclopentadienyl(2-oxopropyl)iron(II): An infrared and molecular mechanics study, 63

Gas-phase electron diffraction

Molecular structure of phenylsilane: a study by gas-phase electron diffraction and ab initio molecular orbital calculations, 183 Germanium

Synthesis of germylcopper compounds by hydride method. Crystal structure of $(C_6F_5)_3$ GeCu(PPh₃)₂, 21

Gold

Organogold(III) metallacyclic chemistry. Part 4. Synthesis, characterisation, and biological activity of gold(III)-thiosalicy-late and -salicylate complexes, 233

Hapticity

Reactions of the cycloheptatrienyl complexes $[MX(CO)_2(\eta-C_7H_7)]$ (M = Mo, X = Br; M = W, X = I) with CNBu': X-ray crystal structure of $[WI(CO)_2(CNBu')_2(\eta^3-C_7H_7)]$, 265

Heterometallic

Synthesis, characterization and electrochemical studies of the heterometallic diclusters [{Fe₂(μ-CO)(CO)₆(μ-PPh₂)Au}₂(diphosphine)] (diphosphine = dppm, dppip, dppe, dppp), 147

1-Hexene

Structural characterization of *ansa-zirconocene* dichloride bearing a vicinal di-*tert*-butylcyclopentadienyl ligand and high pressure polymerization of 1-hexene catalyzed by sterically hindered zirconocene complexes, 47

High pressure

Structural characterization of *ansa-z*irconocene dichloride bearing a vicinal di-*tert*-butylcyclopentadienyl ligand and high pressure polymerization of 1-hexene catalyzed by sterically hindered zirconocene complexes, 47

Hydride method

Synthesis of germylcopper compounds by hydride method. Crystal structure of $(C_6F_5)_3$ GeCu(PPh₃)₂, 21

Iron

An octahedral stannylmanganese stannylene complex, 125 Isocoumarines

Synthesis of benzofurans via Pd²⁺-catalyzed oxidative cyclization of 2-allylphenols, 163

Isocvanide

Reactions of the cycloheptatrienyl complexes $[MX(CO)_2(\eta-C_7H_7)]$ (M = Mo, X = Br; M = W, X = I) with CNBu': X-ray crystal structure of $[WI(CO)_2(CNBu')_2(\eta^3-C_7H_7)]$, 265

Laser flash photolysis

A kinetic and spectroscopic study of the interaction between a $M(CO)_5$ (M = Cr, W) fragment and ethyl diazoacetate, 55

Lead(IV)

Ligand exchange and catalysis in phenylation reactions mediated by lead tetracarboxylates, 77

Ligand

A kinetic and spectroscopic study of the interaction between a $M(\mbox{CO})_5~(M=\mbox{Cr},~W)$ fragment and ethyl diazoacetate, 55 Ligand modification

Ligand exchange and catalysis in phenylation reactions mediated by lead tetracarboxylates, 77

Manganese

An octahedral stannylmanganese stannylene complex, 125 Mercury(II)

Ligand exchange and catalysis in phenylation reactions mediated by lead tetracarboxylates, 77

Metallacycle

Organogold(III) metallacyclic chemistry. Part 4. Synthesis, characterisation, and biological activity of gold(III)-thiosalicy-late and -salicylate complexes, 233

Metallocene complexes

Reduction reactions of the metallocene complex (η^5 - $C_5H_4CMe_2C_9H_7$) $_2ZrCl_2$, 69

Metallocenes

Synthesis and characterization of chromocenes containing bulky cyclopentadienyl ligands, 15

Molecular mechanics

The conformational dynamics of dicarbonylcyclopentadienyl(2-oxopropyl)iron(II): An infrared and molecular mechanics study, 63

Molecular structure

Molecular structure of phenylsilane: a study by gas-phase electron diffraction and ab initio molecular orbital calculations, 183

Molybdenum

Reactions of the cycloheptatrienyl complexes [MX(CO)₂(η -C₇H₇)] (M = Mo, X = Br; M = W, X = I) with CNBu': X-ray crystal structure of [WI(CO)₂(CNBu')₂(η ³-C₇H₇)], 265

Mono and binuclear complexes

Photoelectron spectroscopy of mono and binuclear iron and chromium cyclooctatetraene complexes, 7

Monodentate

Transition metal chemistry of phosphorus based ligands. Ruthenium(II) chemistry of bis(phosphino)amines, $X_2PN(R)PX_2$ (R = H or Ph, X = Ph; R = Ph, $X_2 = O_2C_6H_4$), 131

Mononuclear

Transition metal chemistry of phosphorus based ligands. Ruthenium(II) chemistry of bis(phosphino)amines, $X_2PN(R)PX_2$ (R = H or Ph, X = Ph; R = Ph, $X_2 = O_2C_6H_4$), 131

Mo/Re binuclear complexes

Synthesis and characterization of binuclear transition metal-rhenium(VII) complexes with bridging cyanide ligands, 117

Nickel-bipyridine complexes

Electrochemical generation of a nickel-carbonyl complex, catalyst for the electroreductive coupling of organic halides and carbon monoxide into ketones, 103

Nitrido ligand

A dimolybdenum(III) azido compound: its decomposition into amido and nitrido derivatives. Crystal structure of [Mo₃(O)(N)Cp₃(SMe)₄], 245

Olefin polymerization

Structural characterization of *ansa-z*irconocene dichloride bearing a vicinal di-*tert*-butylcyclopentadienyl ligand and high pressure polymerization of 1-hexene catalyzed by sterically hindered zirconocene complexes, 47

Olefin rotation

Preparation and reactions of palladium(0)—olefin complexes with iminophosphine ligands, 137

Organosilanes

1,3-Migration of a phenyl group in the conversion of (Me₃Si)₂ (PhMe₂Si)CSiMePhX into (Me₃Si)₂(Ph₂MeSi)CSiMe₂Y species, 41

Oxidation addition

Preparation and reactions of palladium(0)-olefin complexes with iminophosphine ligands, 137

Palladium

Preparation and reactions of palladium(0)—olefin complexes with iminophosphine ligands, 137

Palladium(II)

Synthesis of benzofurans via Pd^{2+} -catalyzed oxidative cyclization of 2-allylphenols, 163

Pentacarbonyl fragment

A kinetic and spectroscopic study of the interaction between a $M(CO)_5$ (M = Cr, W) fragment and ethyl diazoacetate, 55

Phenylation

Ligand exchange and catalysis in phenylation reactions mediated by lead tetracarboxylates, 77

1,3-phenyl migration

1,3-Migration of a phenyl group in the conversion of (Me₃Si)₂ (PhMe₂Si)CSiMePhX into (Me₃Si)₂(Ph₂MeSi)CSiMe₂Y species, 41

Phenylsilane

Molecular structure of phenylsilane: a study by gas-phase electron diffraction and ab initio molecular orbital calculations, 183

Phosphine

Synthesis and characterization of some arene hydrido-complexes $[Ru(\eta^6\text{-arene})(EPh_3)_2H]^+ \quad (\eta^6\text{-arene} = benzene, \ p\text{-cymene}$ or hexamethylbenzene; E = P, As or Sb). Crystal structure of $[Ru(\eta^6\text{-}C_6H_6)(PPh_3)_2H]BF_4,\ 35$

Phosphine ligands

Enantioselective organic syntheses using chiral transition metal complexes V. (2S,3S)-Bis(dibenzophospholyl)butane, a rigid (S,S)-CHIRAPHOS analog, 257

Phospholes

Enantioselective organic syntheses using chiral transition metal complexes V. (2S,3S)-Bis(dibenzophospholyl)butane, a rigid (S,S)-CHIRAPHOS analog, 257

Photoelectron spectroscopy

Photoelectron spectroscopy of mono and binuclear iron and chromium cyclooctatetraene complexes, 7

Pyrazolylborate

Dicarbonyl dithio ligand complexes of tungsten(II), 1

Reaction mechanism

1,3-Migration of a phenyl group in the conversion of (Me₃Si)₂ (PhMe₂Si)CSiMePhX into (Me₃Si)₂(Ph₂MeSi)CSiMe₂Y species, 41

Re(VII) oxides

Synthesis and characterization of binuclear transition metal-rhenium(VII) complexes with bridging cyanide ligands, 117

Rhodium

Reductive dimerization of dialkyl acetylenedicarboxylate catalyzed by [Rh(binap)(MeOH)₂]ClO₄ in methanol, 253

Rhodium catalyst

Rhodium-catalyzed reaction of aroyl chlorides with alkynes or alkenes in the presence of disilanes, 217

Ring-closing metathesis

Synthesis of difunctional borasiloxanes and their behavior in metathesis reactions, 109

Ruthenium

Enantioselective organic syntheses using chiral transition metal complexes V. (2S,3S)-Bis(dibenzophospholyl)butane, a rigid (S,S)-CHIRAPHOS analog, 257

Synthesis and characterization of some arene hydrido-complexes $[Ru(\eta^6\text{-arene})(EPh_3)_2H]^+$ ($\eta^6\text{-arene} = benzene$, p-cymene or hexamethylbenzene; E = P, As or Sb). Crystal structure of $[Ru(\eta^6\text{-}C_6H_6)(PPh_3)_2H]BF_4$, 35

Ruthenium(II) complexes

Transition metal chemistry of phosphorus based ligands. Ruthenium(II) chemistry of bis(phosphino)amines, $X_2PN(R)PX_2$ (R = H or Ph, X = Ph; R = Ph, $X_2 = O_2C_6H_4$), 131

Salicylate

Organogold(III) metallacyclic chemistry. Part 4. Synthesis, characterisation, and biological activity of gold(III)-thiosalicy-late and -salicylate complexes, 233

Seven-coordinate

Seven-coordinate thiophene-3-acetonitrile complexes of tungsten(II). Crystal structures of [WI₂(CO)₃{NCCH₂(3-C₄H₃S)}₂] and [WI₂(CO)₃{NCCH₂(3-C₄H₃S)}(AsPh₃)], 191

Silicon

Molecular structure of phenylsilane: a study by gas-phase electron diffraction and ab initio molecular orbital calculations, 183

Silver

Stannylene

An octahedral stannylmanganese stannylene complex, 125 Stereoselection

Synthesis and diastereoselective functionalisation of tricarbonyl [(3a,7a)-octahydro-3-substituted-2- $(\eta^6$ -phenyl)benzoxazole] chromium(0) complexes, 197

Stibine

Synthesis and characterization of some arene hydrido-complexes $[Ru(\eta^6\text{-arene})(EPh_3)_2H]^+ \quad (\eta^6\text{-arene} = \text{benzene}, \text{ p-cymene} \\ \text{or hexamethylbenzene}; E=P, \text{ As or Sb)}. \text{ Crystal structure} \\ \text{of } [Ru(\eta^6\text{-}C_6H_6)(PPh_3)_2H]BF_4, 35$

Sulfide

Organogold(III) Metallacyclic Chemistry. Part 3. Self-assembly of the nonametallic gold(III)-silver(I)-sulfido aggregates $[\{LAu(\mu-S)_2AuL\}_3Ag_3X_2]^+ \quad (L=cycloaurated \quad \textit{N,N-dimethylbenzylamine} \quad ligand; \quad X=Cl, \quad Br), \quad by \quad thiourea \ desulfurisation, \quad 169$

tert-Butyl group

Structural characterization of *ansa-z*irconocene dichloride bearing a vicinal di-*tert*-butylcyclopentadienyl ligand and high pressure polymerization of 1-hexene catalyzed by sterically hindered zirconocene complexes, 47

Tetrakis(2,4,6,-trimethylphenyl)dibismuth

Synthesis and crystal structure of tetrakis(2,4,6-trimethylphenyl) dibismuthoxide, 211

Thiolate

Synthesis and characterization of oxo- and thiophosphorylcy-clopentadienyl Ti(IV) thiolate complexes. Crystal structures of $[(\eta^5\text{-}C_5H_4P(S)Ph_2)(\eta^5\text{-}C_5H_4SiMe_3)TiCl_2]$ and $[(\eta^5\text{-}C_5H_4P(S)Ph_2)_2Ti(SPh)_2]\cdot C_4H_{10}O,\ 27$

Thiolato-bridged complexes

A dimolybdenum(III) azido compound: its decomposition into amido and nitrido derivatives. Crystal structure of [Mo₃(O) (N)Cp₃(SMe)₄], 245

Thiophene-3-acetonitrile

 $\label{eq:Seven-coordinate} Seven-coordinate thiophene-3-acetonitrile complexes of tungsten(II). Crystal structures of [WI_2(CO)_3\{NCCH_2(3-C_4H_3S)\}_2] and [WI_2(CO)_3\{NCCH_2(3-C_4H_3S)\}(AsPh_3)], \\ 191$

Thiosalicylate

Organogold(III) metallacyclic chemistry. Part 4. Synthesis, characterisation, and biological activity of gold(III)-thiosalicy-late and -salicylate complexes, 233

Thiourea

Organogold(III) Metallacyclic Chemistry. Part 3. Self-assembly of the nonametallic gold(III)-silver(I)-sulfido aggregates $\begin{array}{ll} \{LAu(\mu\text{-}S)_2AuL\}_3Ag_3X_2\}^+ & (L=cycloaurated & \textit{N,N-dimethylbenzylamine ligand;} & X=Cl, & Br), & by thiourea desulfurisation, 169 \end{array}$

Titanium

Synthesis and characterization of oxo- and thiophosphorylcy-clopentadienyl Ti(IV) thiolate complexes. Crystal structures of $[(\eta^5\text{-}C_5\text{H}_4\text{P(S)Ph}_2)(\eta^5\text{-}C_5\text{H}_4\text{SiMe}_3)\text{TiCl}_2]$ and $[(\eta^5\text{-}C_5\text{H}_4\text{P(S)Ph}_2)_2\text{Ti(SPh})_2]\cdot C_4\text{H}_{10}\text{O},\ 27$

Triphenylantimony

Triphenylantimony(V) derivatives of acylpyrazol-5-ones, 95 Tungsten

Dicarbonyl dithio ligand complexes of tungsten(II), 1

Reactions of the cycloheptatrienyl complexes $[MX(CO)_2(\eta-C_7H_7)]$ (M = Mo, X = Br; M = W, X = I) with CNBu': X-ray crystal structure of $[WI(CO)_2(CNBu')_2(\eta^3-C_7H_7)]$, 265

Tungsten(II)

Seven-coordinate thiophene-3-acetonitrile complexes of tung-sten(II). Crystal structures of [WI₂(CO)₃{NCCH₂(3-C₄H₃S)}₂] and [WI₂(CO)₃{NCCH₂(3-C₄H₃S)}(AsPh₃)], 191

Vitamin B₁₂ model

Steric *cis* influence and lateral compression of the metallabicycle in bis(dioxime) vitamin B₁₂ models, 155

X-ray

Triphenylantimony(V) derivatives of acylpyrazol-5-ones, 95 X-ray diffraction

Synthesis of germylcopper compounds by hydride method. Crystal structure of $(C_6F_5)_3GeCu(PPh_3)_2$, 21

Zirconium

Reduction reactions of the metallocene complex (η^5 -C₅H₄CMe₂ C₉H₇)₂ZrCl₂, 69

Zirconocene

Structural characterization of *ansa-z*irconocene dichloride bearing a vicinal di-*tert*-butylcyclopentadienyl ligand and high pressure polymerization of 1-hexene catalyzed by sterically hindered zirconocene complexes, 47