

Subject Index of Volume 530

Acetate

On the synthesis and structure of monoaryllead and diaryllead acetates $\text{RPb}(\text{OCOCH}_3)_3$ and $\text{R}_2\text{Pb}(\text{OCOCH}_3)_2$ (M. Schürmann and F. Huber), 121

Agostic

New organogold(I) complexes: synthesis, structure, and dynamic behavior of the polynuclear organogold diphenylmethane and diphenylethane derivatives (T.V. Baukova, L.G. Kuz'mina, N.A. Oleinikova, D.A. Lemenovskii and A.L. Blumenfel'd), 27

Alkoxyacetophenone

Ruthenium-catalysed ortho alkylation of hydroxyacetophenones; the functionalisation of ring C aromatic diterpenoids (P.W.R. Harris and P.D. Woodgate), 211

Alkynylcyclohexadienyl

Alkynylcyclohexadienyl tricarbonyliron complexes: a new directing effect for organoiron-mediated synthesis (E. Van den Beuker, S. Samson, E.J. Sandoe and G.R. Stephenson), 251

Anilines

Reactions of $\text{Cp}^*\text{Ru}(\eta^6\text{-C}_6\text{H}_5\text{CHO})^+\text{OSO}_2\text{CF}_3^-$ ($\text{Cp}^* = \text{C}_5\text{Me}_5$) with substituted anilines forming ruthenium Schiff base complexes (D.E. Wheeler, S.T. Hill, S. Milos, J.D. Williams and J.D. Johnson), 83

Arene

A novel arene bonding mode in the mixed-metal cluster $\text{Os}_4\text{Ru}(\mu\text{-H})_3(\text{CO})_{12}(\mu_3\text{-}\eta^6\text{-C}_6\text{H}_5)\text{P}(\text{OMe})_3$ (R.A. Al-Mandhary Muna, J. Lewis and P.R. Raithby), 247

Arene complexes

Reactions of $\text{Cp}^*\text{Ru}(\eta^6\text{-C}_6\text{H}_5\text{CHO})^+\text{OSO}_2\text{CF}_3^-$ ($\text{Cp}^* = \text{C}_5\text{Me}_5$) with substituted anilines forming ruthenium Schiff base complexes (D.E. Wheeler, S.T. Hill, S. Milos, J.D. Williams and J.D. Johnson), 83

Arylamine

Synthesis of methyltrioxorhenium(VII) arylamine complexes and mono- and bis(ortho)-chelated arylaminorhenium(VII) trioxides (M.H.P. Rietveld, L. Nagelholt, D.M. Grove, N. Veldman, A.L. Spek, M.U. Rauch, W.A. Herrmann and G. Van Koten), 159

Arylbismuth compounds

Synthesis and crystal structure of dimeric 2,4,6-triphenylphenylbis-muthdichloride (E.V. Avtomonov, X.-W. Li and J. Lorberth), 71

Aryllead

On the synthesis and structure of monoaryllead and diaryllead acetates $\text{RPb}(\text{OCOCH}_3)_3$ and $\text{R}_2\text{Pb}(\text{OCOCH}_3)_2$ (M. Schürmann and F. Huber), 121

Benzaldehyde

Reactions of $\text{Cp}^*\text{Ru}(\eta^6\text{-C}_6\text{H}_5\text{CHO})^+\text{OSO}_2\text{CF}_3^-$ ($\text{Cp}^* = \text{C}_5\text{Me}_5$) with substituted anilines forming ruthenium Schiff base complexes (D.E. Wheeler, S.T. Hill, S. Milos, J.D. Williams and J.D. Johnson), 83

Bipyridine

Preparation and characterization of $[\text{Re}(\text{bpy})(\text{CO})_3\text{L}][\text{SbF}_6]$ ($\text{L} = \text{phosphine, phosphite}$) (H. Hori, K. Koike, M. Ishizuka, K. Takeuchi, T. Ibusuki and O. Ishitani), 169

Bismuth

Synthesis and crystal structure of dimeric 2,4,6-triphenylphenylbis-muthdichloride (E.V. Avtomonov, X.-W. Li and J. Lorberth), 71

Bisphosphine

Complexes containing the unit $\text{Rh}_2\text{P}^\wedge\text{PM}$ ($\text{M} = \text{Cr or Mn, P}^\wedge\text{P} = \text{bis(diphenylphosphino)alkane}$); the independence of the metal centres (G.R. County, R.S. Dickson, S.M. Jenkins, J. Johnson and O. Paravagna), 49

Boron

The first 1,2-dibora-[2]ferrocenophane and its dynamic behaviour in solution (M. Herberhold, U. Dörfler and B. Wrackmeyer), 117

Bridging ligand

Synthesis of a tripalladium cluster containing an $\eta^1:\eta^2:\eta^2$ -bridging butadienyl ligand stabilized by a zwitterionic structure (T. Murahashi, H. Kurosawa, N. Kanehisa and Y. Kai), 187

Synthesis of methyltrioxorhenium(VII) arylamine complexes and mono- and bis(ortho)-chelated arylaminorhenium(VII) trioxides (M.H.P. Rietveld, L. Nagelholt, D.M. Grove, N. Veldman, A.L. Spek, M.U. Rauch, W.A. Herrmann and G. Van Koten), 159

Butadienyl

Synthesis of a tripalladium cluster containing an $\eta^1:\eta^2:\eta^2$ -bridging butadienyl ligand stabilized by a zwitterionic structure (T. Murahashi, H. Kurosawa, N. Kanehisa and Y. Kai), 187

Carbene

A stannaethene with a planar environment of the tricoordinated tin and carbon atoms (M. Weidenbruch, H. Kilian, M. Stürmann, S. Pohl, W. Saak, H. Marsmann, D. Steiner and A. Berndt), 255

Carbonyl

Alkynylcyclohexadienyl tricarbonyliron complexes: a new directing effect for organoiron-mediated synthesis (E. Van den Beuker, S. Samson, E.J. Sandoe and G.R. Stephenson), 251

Preparation and characterization of $[\text{Re}(\text{bpy})(\text{CO})_3\text{L}][\text{SbF}_6]$ ($\text{L} = \text{phosphine, phosphite}$) (H. Hori, K. Koike, M. Ishizuka, K. Takeuchi, T. Ibusuki and O. Ishitani), 169

Substituent effects on the cyclo-manganese reaction. X-ray crystal structure of $\text{Mn}\{2-(^n\text{Bu}-\text{N}=\text{CH})_5(\text{NO}_2)_2\text{C}_6\text{H}_3\}\text{CO}_4$ (C. Morton, D.J. Duncalf and J.P. Rourke), 19

Synthesis and X-ray crystal structures of $[\text{Ru}_4\text{H}_4(\text{CO})_{11}(\text{PPh}_3)]$ and $[\text{Ru}_{4-x}\text{Ir}_x\text{H}_{2-x}(\text{CO})_{12}(\text{PPh}_3)]$ ($x = 0$ or 1) (A.U. Häkkinen, M. Ahlgren, T.A. Pakkanen and J. Pursiainen), 191

Carborane

Carborane to enhance chelating capacity. S,S' -Thioether – thioester coordination and its transition metal stability (C. Viñas, M.R. Cirera, F. Teixidor, R. Sillanpää and R. Kivekäs), 89

Chalcogen

Pseudoelementverbindungen IX. Organostannylierung von Cyanamidonitrat – Molekül- und Kristallstruktur von N-Trimethylstannyl-N'-nitro-carbodiimid (L. Jäger, C. Tretner, M. Biedermann und H. Hartung), 13

Chelate

Synthesis of methyltrioxorhenium(VII) arylamine complexes and mono- and bis(ortho)-chelated arylaminorhenium(VII) trioxides

- (M.H.P. Rietveld, L. Nagelholt, D.M. Grove, N. Veldman, A.L. Spek, M.U. Rauch, W.A. Herrmann and G. Van Koten), 159
- Chiral cyclopentadiene**
Preparation of 1,1'-binaphthyl-2,2'-diyl bridged *ansa*-bis(annulated cyclopentadienyl)titanium and -zirconium dichloride complexes (R.L. Halterman and T.M. Ramsey), 225
- Chloro complexes**
Metallorganische Verbindungen des Kupfers XIII. Kupfer(I)-chlorid-Komplexe winkelgespannter Cycloheptine Synthesen und Röntgenstrukturanalysen (P. Schulte, G. Schmidt, C.-P. Kramer, A. Krebs und U. Behrens), 95
- Chromium**
Complexes containing the unit $Rh_2P^{\wedge}PM$ ($M = Cr$ or Mn , $P^{\wedge}P = bis(diphenylphosphino)alkane$): the independence of the metal centres (G.R. County, R.S. Dickson, S.M. Jenkins, J. Johnson and O. Paravagna), 49
- (*Z*)-1-Methoxy-4-(diphenylphosphino)but-1-ene-3-yne: a versatile synthon for unsymmetrically substituted (diphenylphosphino)diacetylene derivatives (R.J.P. Corriu, C. Guérin, B.J.L. Henner and A. Jolivet), 39
- Cluster**
Carborane to enhance chelating capacity. S,S' -Thioether – thioester coordination and its transition metal stability (C. Viñas, M.R. Cirera, F. Teixidor, R. Sillanpää and R. Kivekäs), 89
- Synthesis and X-ray crystal structures of $[Ru_4H_4(CO)_{11}(PPh_3)]$ and $[Ru_{4-x}Ir_xH_{2-x}(CO)_{12}(PPh_3)]$ ($x = 0$ or 1) (A.U. Härkönen, M. Ahlgren, T.A. Pakkanen and J. Pursiainen), 191
- Synthesis of a tri palladium cluster containing an $\eta^1:\eta^2:\eta^2$ -bridging butadienyl ligand stabilized by a zwitterionic structure (T. Murohashi, H. Kurosawa, N. Kanehisa and Y. Kai), 187
- Complexes**
Indazole complexes of diorganotin(IV) dihalides. The crystal structures of dichloro and dibromodimethylbis(indazole)tin(IV) (P. Alvarez Boo, J.S. Casas, U. Casellato, M.D. Couce, E. Freijanes, R. Graziani, B. Salgado, U. Russo and J. Sordo), 141
- Cone angles**
Cone angle radial profiles (J.M. Smith, B.C. Taverner and N.J. Coville), 131
- Copper**
Metallorganische Verbindungen des Kupfers XIII. Kupfer(I)-chlorid-Komplexe winkelgespannter Cycloheptine Synthesen und Röntgenstrukturanalysen (P. Schulte, G. Schmidt, C.-P. Kramer, A. Krebs und U. Behrens), 95
- Crystal structure**
A novel arene bonding mode in the mixed-metal cluster $Os_4Ru(\mu-H)_3(CO)_{12}(\mu_3-\eta^6-C_6H_5)P(OMe)_3$ (R.A. Al-Mandhary Muna, J. Lewis and P.R. Raithby), 247
- Indazole complexes of diorganotin(IV) dihalides. The crystal structures of dichloro and dibromodimethylbis(indazole)tin(IV) (P. Alvarez Boo, J.S. Casas, U. Casellato, M.D. Couce, E. Freijanes, R. Graziani, B. Salgado, U. Russo and J. Sordo), 141
- New organogold(I) complexes: synthesis, structure, and dynamic behavior of the polynuclear organogold diphenylmethane and diphenylethane derivatives (T.V. Baukova, L.G. Kuz'mina, N.A. Oleinikova, D.A. Lemenovskii and A.L. Blumenfel'd), 27
- On the synthesis and structure of monoaryllead and diaryllead acetates $RPb(OCOCH_3)_3$ and $R_2Pb(OCOCH_3)_2$ (M. Schürmann and F. Huber), 121
- Synthesis and X-ray crystal structures of *rac*- and *meso*-2,2'-propylidene-bis(1-indenyl)zirconium dichlorides (A.Z. Voskoboinikov, A.Yu. Agarkov, E.A. Chernyshev, I.P. Beletskaya, A.V. Churakov and L.G. Kuz'mina), 75
- Synthesis and X-ray crystal structures of $[Ru_4H_4(CO)_{11}(PPh_3)]$ and $[Ru_{4-x}Ir_xH_{2-x}(CO)_{12}(PPh_3)]$ ($x = 0$ or 1) (A.U. Härkönen, M. Ahlgren, T.A. Pakkanen and J. Pursiainen), 191
- Synthesis of methyltrioxorhenium(VII) arylamine complexes and mono- and bis(ortho)-chelated arylaminorhenium(VII) trioxides (M.H.P. Rietveld, L. Nagelholt, D.M. Grove, N. Veldman, A.L. Spek, M.U. Rauch, W.A. Herrmann and G. Van Koten), 159
- C_2 -symmetry**
Preparation of 1,1'-binaphthyl-2,2'-diyl bridged *ansa*-bis(annulated cyclopentadienyl)titanium and -zirconium dichloride complexes (R.L. Halterman and T.M. Ramsey), 225
- Cyanide**
Structure and bonding in a series of cyano complexes: $RuCp(PPh_3)_2CN$, $[RuCp(PPh_3)_2(CN)]CF_3SO_3$, and H-bridged $[Ru_2(Cp)_2(PPh_3)_4CNHC]CF_3SO_3$ (V.N. Sapunov, K. Mereiter, R. Schmid and K. Kirchner), 105
- Cycloalkynes**
Metallorganische Verbindungen des Kupfers XIII. Kupfer(I)-chlorid-Komplexe winkelgespannter Cycloheptine Synthesen und Röntgenstrukturanalysen (P. Schulte, G. Schmidt, C.-P. Kramer, A. Krebs und U. Behrens), 95
- Cyclometallation**
Substituent effects on the cyclo-manganation reaction. X-ray crystal structure of $Mn\{2-(^nBu-N=CH)5-(NO_2)C_6H_3\}(CO)_4$ (C. Morton, D.J. Duncalf and J.P. Rourke), 19
- Cyclopentadienyl**
Structure and bonding in a series of cyano complexes: $RuCp(PPh_3)_2CN$, $[RuCp(PPh_3)_2(CN)]CF_3SO_3$, and H-bridged $[Ru_2(Cp)_2(PPh_3)_4CNHC]CF_3SO_3$ (V.N. Sapunov, K. Mereiter, R. Schmid and K. Kirchner), 105
- Directing effects**
Alkynylcyclohexadienyl tricarbonyliron complexes: a new directing effect for organoiron-mediated synthesis (E. Van den Beuken, S. Samson, E.J. Sandoe and G.R. Stephenson), 251
- Dihodium**
Complexes containing the unit $Rh_2P^{\wedge}PM$ ($M = Cr$ or Mn , $P^{\wedge}P = bis(diphenylphosphino)alkane$): the independence of the metal centres (G.R. County, R.S. Dickson, S.M. Jenkins, J. Johnson and O. Paravagna), 49
- Dithiocarbamate**
Synthesis and characterization of methylpalladium(II) dithiolate complexes of the type $[PdMe(S\hat{S})(ER_3)]$ ($S\hat{S} = S_2CNR_2$, S_2COEt , $S_2P(OR)_2$, S_2PPh_2 ; $ER_3 = PMePh_2$, PPh_3 , $AsPh_3$) (S. Narayan, V.K. Jain and S. Chaudhury), 101
- Dithiophosphate**
Synthesis and characterization of methylpalladium(II) dithiolate complexes of the type $[PdMe(S\hat{S})(ER_3)]$ ($S\hat{S} = S_2CNR_2$, S_2COEt , $S_2P(OR)_2$, S_2PPh_2 ; $ER_3 = PMePh_2$, PPh_3 , $AsPh_3$) (S. Narayan, V.K. Jain and S. Chaudhury), 101
- Diyne**
(*Z*)-1-Methoxy-4-(diphenylphosphino)but-1-ene-3-yne: a versatile synthon for unsymmetrically substituted (diphenylphosphino)diacetylene derivatives (R.J.P. Corriu, C. Guérin, B.J.L. Henner and A. Jolivet), 39
- Dynamic NMR**
Stereorechemical non-rigidity of *N*-(dimethylhalogenosilylmethyl)-*N*-(1-phenylethyl) acetamides in solutions (V.V. Negrebetsky, A.G. Shipov, E.P. Kramarova, V.V. Negrebetsky and Yu.I. Baukov), 1
- Stereocchemically non-rigid transition metal complexes of 2,6-bis[(1-phenylimino)ethyl]pyridine (BIP). Part 1. Dynamic NMR studies of $[MC_6F_5_2(BIP)]$ ($M = Pd^{II}$ or Pr^{II}) (K.G. Orrell, A.G. Osborne, V. Šík and M. Webba da Silva), 235
- Dynamic NMR measurements**
The first 1,2-dibora-[2]ferrocenophane and its dynamic behaviour in solution (M. Herberhold, U. Dörfler and B. Wrackmeyer), 117

Extended Hückel calculations

Structure and bonding in a series of cyano complexes: $\text{RuCp}(\text{PPh}_3)_2\text{CN}$, $[\text{RuCp}(\text{PPh}_3)_2(\text{CNH})]\text{CF}_3\text{SO}_3$, and H-bridged $[\text{Ru}_2(\text{Cp})_2(\text{PPh}_3)_4\text{CNHNC}]\text{CF}_3\text{SO}_3$ (V.N. Sapunov, K. Mereiter, R. Schmid and K. Kirchner), 105

Ferrocene

Ferrocene compounds. XXIII. Synthesis and reactions of the new type of methyl ferrocenylalkanoates (V. Kovač, V. Rapić, I. Sušnik and M. Šuprina), 149

Ferrocenophanes

The first 1,2-dibora-[2]ferrocenophane and its dynamic behaviour in solution (M. Herberhold, U. Dörfler and B. Wrackmeyer), 117

Fluxionality

New organogold(I) complexes: synthesis, structure, and dynamic behavior of the polynuclear organogold diphenylmethane and diphenylethane derivatives (T.V. Baukova, L.G. Kuz'mina, N.A. Oleinikova, D.A. Lemenovskii and A.L. Blumenfel'd), 27

Stereochemically non-rigid transition metal complexes of 2,6-bis[(1-phenylimino)ethyl]pyridine (BIP). Part 1. Dynamic NMR studies of $[\text{M}(\text{C}_6\text{F}_5)_2\text{BIP}]$ ($\text{M} = \text{Pd}^{\text{II}}$ or Pt^{II}) (K.G. Orrell, A.G. Osborne, V. Šík and M. Webba da Silva), 235

Gold

New organogold(I) complexes: synthesis, structure, and dynamic behavior of the polynuclear organogold diphenylmethane and diphenylethane derivatives (T.V. Baukova, L.G. Kuz'mina, N.A. Oleinikova, D.A. Lemenovskii and A.L. Blumenfel'd), 27

Group 15

Cone angle radial profiles (J.M. Smith, B.C. Taverner and N.J. Coville), 131

N-Heterocyclic carbenes

N-heterocyclic carbene complexes of palladium and rhodium: *cis/trans*-isomers (W.A. Herrmann, J. Fischer, K. Öfele and G.R.J. Artus), 259

Hetero-trinuclear

Complexes containing the unit $\text{Rh}_2\text{P}^\wedge\text{PM}$ ($\text{M} = \text{Cr}$ or Mn , $\text{P}^\wedge\text{P} = \text{bis}(\text{diphenylphosphino})\text{alkane}$): the independence of the metal centres (G.R. County, R.S. Dickson, S.M. Jenkins, J. Johnson and O. Paravagna), 49

Hydroformylation

Mononuclear Pt(II) and Pd(II) 1,4-dithiolato complexes. Crystal structures of $[\text{Pt}((-\text{DIOS})(\text{PPh}_3)_2]$ and $[\text{Pd}(\text{S}(\text{CH}_2)_4\text{S})(\text{Ph}_2\text{P}(\text{CH}_2)_3\text{Ph}_2)]$. Application in styrene hydroformylation (J. Fornié-Cámer, A. Aaliti, N. Ruiz, A.M. Masdeu-Bultó, C. Claver and C.J. Cardin), 199

Hydrogen bonding

Structure and bonding in a series of cyano complexes: $\text{RuCp}(\text{PPh}_3)_2\text{CN}$, $[\text{RuCp}(\text{PPh}_3)_2(\text{CNH})]\text{CF}_3\text{SO}_3$, and H-bridged $[\text{Ru}_2(\text{Cp})_2(\text{PPh}_3)_4\text{CNHNC}]\text{CF}_3\text{SO}_3$ (V.N. Sapunov, K. Mereiter, R. Schmid and K. Kirchner), 105

Hydrogen isocyanide

Structure and bonding in a series of cyano complexes: $\text{RuCp}(\text{PPh}_3)_2\text{CN}$, $[\text{RuCp}(\text{PPh}_3)_2(\text{CNH})]\text{CF}_3\text{SO}_3$, and H-bridged $[\text{Ru}_2(\text{Cp})_2(\text{PPh}_3)_4\text{CNHNC}]\text{CF}_3\text{SO}_3$ (V.N. Sapunov, K. Mereiter, R. Schmid and K. Kirchner), 105

Indazole

Indazole complexes of diorganotin(IV) dihalides. The crystal structures of dichloro and dibromodimethylbis(indazole)tin(IV) (P. Alvarez Boo, J.S. Casas, U. Casellato, M.D. Couce, E. Freijanes, R. Graziani, B. Salgado, U. Russo and J. Sordo), 141

Infrared spectroscopy

On the synthesis and structure of monoaryllead and diaryllead acetates $\text{RPb}(\text{OCOCH}_3)_3$ and $\text{R}_2\text{Pb}(\text{OCOCH}_3)_2$ (M. Schürmann and F. Huber), 121

Pseudoelementverbindungen IX. Organostannylierung von Cyanamidonitrat – Molekül- und Kristallstruktur von N-Trimethylstannyl-N'-nitro-carbodiimid (L. Jäger, C. Tretner, M. Biedermann und H. Hartung), 13

Intermolecular coordination

Stereochemical non-rigidity of *N*-(dimethylhalogenosilylmethyl)-*N*-(1-phenylethyl) acetamides in solutions (V.V. Negrebetsky, A.G. Shipov, E.P. Kamarova, V.V. Negrebetsky and Yu.I. Baukov), 1

Intramolecular coordination

Stereochemical non-rigidity of *N*-(dimethylhalogenosilylmethyl)-*N*-(1-phenylethyl) acetamides in solutions (V.V. Negrebetsky, A.G. Shipov, E.P. Kamarova, V.V. Negrebetsky and Yu.I. Baukov), 1

Iridium

Synthesis and X-ray crystal structures of $[\text{Ru}_4\text{H}_4(\text{CO})_{11}(\text{PPh}_3)]$ and $[\text{Ru}_{4-x}\text{Ir}_x\text{H}_{2-x}(\text{CO})_{12}(\text{PPh}_3)]$ ($x = 0$ or 1) (A.U. Häkkinen, M. Ahlgren, T.A. Pakkanen and J. Pursiainen), 191

Iron

Alkynylcyclohexadienyl tricarbonyliron complexes: a new directing effect for organoiron-mediated synthesis (E. Van den Beuker, S. Samson, E.J. Sandoe and G.R. Stephenson), 251

Ferrocene compounds. XXIII. Synthesis and reactions of the new type of methyl ferrocenylalkanoates (V. Kovač, V. Rapić, I. Sušnik and M. Šuprina), 149

The first 1,2-dibora-[2]ferrocenophane and its dynamic behaviour in solution (M. Herberhold, U. Dörfler and B. Wrackmeyer), 117

cis/trans-Isomerism

N-heterocyclic carbene complexes of palladium and rhodium: *cis/trans*-isomers (W.A. Herrmann, J. Fischer, K. Öfele and G.R.J. Artus), 259

Lead

On the synthesis and structure of monoaryllead and diaryllead acetates $\text{RPb}(\text{OCOCH}_3)_3$ and $\text{R}_2\text{Pb}(\text{OCOCH}_3)_2$ (M. Schürmann and F. Huber), 121

Lithium

(Z)-1-Methoxy-4-(diphenylphosphino)but-1-ene-3-yne: a versatile synthon for unsymmetrically substituted (diphenylphosphino)diacetylene derivatives (R.J.P. Corriu, C. Guérin, B.J.L. Henner and A. Jolivet), 39

Manganese

Complexes containing the unit $\text{Rh}_2\text{P}^\wedge\text{PM}$ ($\text{M} = \text{Cr}$ or Mn , $\text{P}^\wedge\text{P} = \text{bis}(\text{diphenylphosphino})\text{alkane}$): the independence of the metal centres (G.R. County, R.S. Dickson, S.M. Jenkins, J. Johnson and O. Paravagna), 49

Substituent effects on the cyclo-manganation reaction. X-ray crystal structure of $\text{Mn}\{2-(^6\text{Bu}-\text{N}=\text{CH})5-(\text{NO}_2)\text{C}_6\text{H}_3\}(\text{CO})_4$ (C. Morton, D.J. Duncalf and J.P. Rourke), 19

Metallocboranes

Carborane to enhance chelating capacity. *S,S'*-Thioether – thioester coordination and its transition metal stability (C. Viñas, M.R. Cirera, F. Teixidor, R. Sillanpää and R. Kivekäs), 89

ansa-Metallocene

Preparation of 1,1'-binaphthyl-2,2'-diyl bridged *ansa*-bis(annulated cyclopentadienyl)titanium and -zirconium dichloride complexes (R.L. Halterman and T.M. Ramsey), 225

Metallocenes

Synthesis and X-ray crystal structures of *rac*- and *meso*-2,2'-propylidene-bis(1-indenyl)zirconium dichlorides (A.Z. Voskoboinikov, A.Yu. Agarkov, E.A. Chernyshev, I.P. Beletskaya, A.V. Churakov and L.G. Kuz'mina), 75

Methyl ferrocyoxyalkanoates

Ferrocene compounds. XXIII. Synthesis and reactions of the new type of methyl ferrocyoxyalkanoates (V. Kovač, V. Rapić, I. Sušnik and M. Šuprina), 149

Methylpalladium(II)

Synthesis and characterization of methylpalladium(II) dithiolate complexes of the type $[PdMe(S-S)(ER_3)]$ ($S-S = S_2CNR_2$, S_2COEt , $S_2P(OR)_2$, S_2PPPh_2 ; $ER_3 = PMePh_2$, PPh_3 , $AsPh_3$) (S. Narayan, V.K. Jain and S. Chaudhury), 101

Nitrate

Pseudoelementverbindungen IX. Organostannylierung von Cyanamidonitrat – Molekül- und Kristallstruktur von N-Trimethylstannyl-N'-nitro-carbodiimid (L. Jäger, C. Tretner, M. Biedermann und H. Hartung), 13

Nuclear magnetic resonance

On the synthesis and structure of monoaryllead and diaryllead acetates $RPb(OCOCH_3)_3$ and $R_2Pb(OCOCH_3)_2$ (M. Schürmann and F. Huber), 121

Organotin

Indazole complexes of diorganotin(IV) dihalides. The crystal structures of dichloro and dibromodimethylbis(indazole)tin(IV) (P. Alvarez Boo, J.S. Casas, U. Casellato, M.D. Couce, E. Freijanes, R. Graziani, B. Salgado, U. Russo and J. Sordo), 141

Ortho alkylation

Ruthenium-catalysed ortho alkylation of hydroxyacetophenones; the functionalisation of ring C aromatic diterpenoids (P.W.R. Harris and P.D. Woodgate), 211

Osmium

A novel arene bonding mode in the mixed-metal cluster $Os_4Ru(\mu-H)_3(CO)_{12}(\mu_3-\eta^6-C_6H_5)P(OMe)_3$ (R.A. Al-Mandhary Muna, J. Lewis and P.R. Raithby), 247

Oxide

Synthesis of methyltrioxorhenium(VII) arylamine complexes and mono- and bis(ortho)-chelated arylaminorhenium(VII) trioxides (M.H.P. Rietveld, L. Nagelholt, D.M. Grove, N. Veldman, A.L. Spek, M.U. Rauch, W.A. Herrmann and G. Van Koten), 159

Palladium

Carborane to enhance chelating capacity. S,S' -Thioether – thioester coordination and its transition metal stability (C. Viñas, M.R. Cirera, F. Teixidor, R. Sillanpää and R. Kivekäs), 89

Mononuclear Pt(II) and Pd(II) 1,4-dithiolato complexes. Crystal structures of $[Pt((\text{---})DIOS)(PPh_3)_2]$ and $[Pd(S(CH_2)_4S)(Ph_2P(CH_2)_3-PPh_2)]$. Application in styrene hydroformylation (J. Forniés-Cámer, A. Aaliti, N. Ruiz, A.M. Masdeu-Bultó, C. Claver and C.J. Cardin), 199

Stereochemically non-rigid transition metal complexes of 2,6-bis[(1-phenylimino)ethyl]pyridine (BIP). Part 1. Dynamic NMR studies of $[MC_6F_5)_2(BIP)]$ ($M = Pd^{II}$ or Pt^{II}) (K.G. Orrell, A.G. Osborne, V. Šík and M. Webba da Silva), 235

Synthesis and characterization of methylpalladium(II) dithiolate complexes of the type $[PdMe(S-S)(ER_3)]$ ($S-S = S_2CNR_2$, S_2COEt , $S_2P(OR)_2$, S_2PPPh_2 ; $ER_3 = PMePh_2$, PPh_3 , $AsPh_3$) (S. Narayan, V.K. Jain and S. Chaudhury), 101

Synthesis of a tripalladium cluster containing an $\eta^1:\eta^2:\eta^2$ -bridging butadienyl ligand stabilized by a zwitterionic structure (T. Murahashi, H. Kurosawa, N. Kanehisa and Y. Kai), 187

Palladium complexes

N-heterocyclic carbene complexes of palladium and rhodium: *cis/trans*-isomers (W.A. Herrmann, J. Fischer, K. Öfele and G.R.J. Artus), 259

Pentacoordinated organosilicon compounds

Stereochemical non-rigidity of *N*-(dimethylhalogenosilylmethyl)-*N*-(1-phenylethyl) acetamides in solutions (V.V. Negrebetsky, A.G. Shipov, E.P. Kramarova, V.V. Negrebetsky and Yu.I. Baukov), 1

Pentamethylcyclopentadienyl

Reactions of $Cp^* Ru(\eta^6-C_6H_5CHO)^+ OSO_2CF_3^-$ ($Cp^* = C_5Me_5$) with substituted anilines forming ruthenium Schiff base complexes (D.E. Wheeler, S.T. Hill, S. Milos, J.D. Williams and J.D. Johnson), 83

Permutational isomerization

Stereochemical non-rigidity of *N*-(dimethylhalogenosilylmethyl)-*N*-(1-phenylethyl) acetamides in solutions (V.V. Negrebetsky, A.G. Shipov, E.P. Kramarova, V.V. Negrebetsky and Yu.I. Baukov), 1

Phenyl

New organogold(I) complexes: synthesis, structure, and dynamic behavior of the polynuclear organogold diphenylmethane and diphenylethane derivatives (T.V. Baukova, L.G. Kuz'mina, N.A. Oleinikova, D.A. Lemenovskii and A.L. Blumenfel'd), 27

Phosphine

New organogold(I) complexes: synthesis, structure, and dynamic behavior of the polynuclear organogold diphenylmethane and diphenylethane derivatives (T.V. Baukova, L.G. Kuz'mina, N.A. Oleinikova, D.A. Lemenovskii and A.L. Blumenfel'd), 27

(Z)-1-Methoxy-4-(diphenylphosphino)but-1-ene-3-yne: a versatile synthon for unsymmetrically substituted (diphenylphosphino)diacetylene derivatives (R.J.P. Corriu, C. Guérin, B.J.L. Henner and A. Jolivet), 39

Phosphines

Cone angle radial profiles (J.M. Smith, B.C. Taverner and N.J. Coville), 131

Phosphate

A novel arene bonding mode in the mixed-metal cluster $Os_4Ru(\mu-H)_3(CO)_{12}(\mu_3-\eta^6-C_6H_5)P(OMe)_3$ (R.A. Al-Mandhary Muna, J. Lewis and P.R. Raithby), 247

Phosphorus ligand

Preparation and characterization of $[Re(bpy)(CO)_3L][SbF_6]$ ($L =$ phosphine, phosphite) (H. Hori, K. Koike, M. Ishizuka, K. Takeuchi, T. Ibusuki and O. Ishitani), 169

Platinum

Mononuclear Pt(II) and Pd(II) 1,4-dithiolato complexes. Crystal structures of $[Pt((\text{---})DIOS)(PPh_3)_2]$ and $[Pd(S(CH_2)_4S)(Ph_2P(CH_2)_3-PPh_2)]$. Application in styrene hydroformylation (J. Forniés-Cámer, A. Aaliti, N. Ruiz, A.M. Masdeu-Bultó, C. Claver and C.J. Cardin), 199

Stereochemically non-rigid transition metal complexes of 2,6-bis[(1-phenylimino)ethyl]pyridine (BIP). Part 1. Dynamic NMR studies of $[M(C_6F_5)_2(BIP)]$ ($M = Pd^{II}$ or Pt^{II}) (K.G. Orrell, A.G. Osborne, V. Šík and M. Webba da Silva), 235

Preparation

Indazole complexes of diorganotin(IV) dihalides. The crystal structures of dichloro and dibromodimethylbis(indazole)tin(IV) (P. Alvarez Boo, J.S. Casas, U. Casellato, M.D. Couce, E. Freijanes, R. Graziani, B. Salgado, U. Russo and J. Sordo), 141

Rhenium

Synthesis of methyltrioxorhenium(VII) arylamine complexes and mono- and bis(ortho)-chelated arylaminorhenium(VII) trioxides (M.H.P. Rietveld, L. Nagelholt, D.M. Grove, N. Veldman, A.L. Spek, M.U. Rauch, W.A. Herrmann and G. Van Koten), 159

Rhenium complex

Preparation and characterization of $[Re(bpy)(CO)_3L][SbF_6]$ ($L =$ phosphine, phosphite) (H. Hori, K. Koike, M. Ishizuka, K. Takeuchi, T. Ibusuki and O. Ishitani), 169

Rhodium

Carborane to enhance chelating capacity. *S,S'*-Thioether – thioester coordination and its transition metal stability (C. Viñas, M.R. Cirera, F. Teixidor, R. Sillanpää and R. Kivekäs), 89

Rhodium complexes

N-heterocyclic carbene complexes of palladium and rhodium: *cis/trans*-isomers (W.A. Herrmann, J. Fischer, K. Öfele and G.R.J. Artus), 259

Ruthenium

Synthesis and X-ray crystal structures of $[\text{Ru}_4\text{H}_4(\text{CO})_{11}(\text{PPh}_3)]$ and $[\text{Ru}_{4-x}\text{Ir}_x\text{H}_{2-x}(\text{CO})_{12}(\text{PPh}_3)]$ ($x = 0$ or 1) (A.U. Härkönen, M. Ahlgren, T.A. Pakkanen and J. Pursiainen), 191

Ruthenium

A novel arene bonding mode in the mixed-metal cluster $\text{Os}_4\text{Ru}(\mu\text{-H})(\text{CO})_{12}(\mu_3\text{-}\eta^6\text{-C}_6\text{H}_5)\text{P(OMe)}_3$ (R.A. Al-Mandhary Muna, J. Lewis and P.R. Raithby), 247

Reactions of $\text{Cp}^*\text{Ru}(\eta^6\text{-C}_6\text{H}_5\text{CHO})^+\text{OSO}_2\text{CF}_3^-$ ($\text{Cp}^* = \text{C}_5\text{Me}_5$) with substituted anilines forming ruthenium Schiff base complexes (D.E. Wheeler, S.T. Hill, S. Milos, J.D. Williams and J.D. Johnson), 83

Ruthenium-catalysed ortho alkylation of hydroxyacetophenones; the functionalisation of ring C aromatic diterpenoids (P.W.R. Harris and P.D. Woodgate), 211

Structure and bonding in a series of cyano complexes: $\text{RuCp}(\text{PPh}_3)_2\text{CN}$, $[\text{RuCp}(\text{PPh}_3)_2(\text{CNH})]\text{CF}_3\text{SO}_3^-$, and H-bridged $[\text{Ru}_2(\text{Cp})_2(\text{PPh}_3)_4\text{CNHNC}] \text{CF}_3\text{SO}_3^-$ (V.N. Sapunov, K. Mereiter, R. Schmid and K. Kirchner), 105

Schiff bases

Reactions of $\text{Cp}^*\text{Ru}(\eta^6\text{-C}_6\text{H}_5\text{CHO})^+\text{OSO}_2\text{CF}_3^-$ ($\text{Cp}^* = \text{C}_5\text{Me}_5$) with substituted anilines forming ruthenium Schiff base complexes (D.E. Wheeler, S.T. Hill, S. Milos, J.D. Williams and J.D. Johnson), 83

Silyl

(Z)-1-Methoxy-4-(diphenylphosphino)but-1-ene-3-yne: a versatile synthon for unsymmetrically substituted (diphenylphosphino)diacetylene derivatives (R.J.P. Corriu, C. Guérin, B.J.L. Henner and A. Jolivet), 39

Stannaethene

A stannaethene with a planar environment of the tricoordinated tin and carbon atoms (M. Weidenbruch, H. Kilian, M. Stürmann, S. Pohl, W. Saak, H. Marsmann, D. Steiner and A. Berndt), 255

Stannylyl

Pseudoelementverbindungen IX. Organostannylierung von Cyanamidonitrat – Molekül- und Kristallstruktur von N-Trimethylstannyl-N'-nitro-carbodiimid (L. Jäger, C. Tretner, M. Biedermann und H. Hartung), 13

Stannylene

A stannaethene with a planar environment of the tricoordinated tin and carbon atoms (M. Weidenbruch, H. Kilian, M. Stürmann, S. Pohl, W. Saak, H. Marsmann, D. Steiner and A. Berndt), 255

Steric measurements

Cone angle radial profiles (J.M. Smith, B.C. Taverner and N.J. Coville), 131

Structure

Metallorganische Verbindungen des Kupfers XIII. Kupfer(I)-chlorid-Komplexe winkelgespannter Cycloheptine Synthesen und Röntgenstrukturanalysen (P. Schulte, G. Schmidt, C.-P. Kramer, A. Krebs und U. Behrens), 95

Thiolate

Carborane to enhance chelating capacity. *S,S'*-Thioether – thioester coordination and its transition metal stability (C. Viñas, M.R. Cirera, F. Teixidor, R. Sillanpää and R. Kivekäs), 89

Mononuclear Pt(II) and Pd(II) 1,4-dithiolato complexes. Crystal structures of $[\text{Pt}((-\text{DIOS})(\text{PPh}_3)_2]$ and $[\text{Pd}(\text{S}(\text{CH}_2)_4\text{S})(\text{Ph}_2\text{P}(\text{CH}_2)_3\text{PPh}_2)]$. Application in styrene hydroformylation (J. Fornies-Cámer, A. Aaliti, N. Ruiz, A.M. Masdeu-Bultó, C. Claver and C.J. Cardin), 199

Tin

A stannaethene with a planar environment of the tricoordinated tin and carbon atoms (M. Weidenbruch, H. Kilian, M. Stürmann, S. Pohl, W. Saak, H. Marsmann, D. Steiner and A. Berndt), 255

Indazole complexes of diorganotin(IV) dihalides. The crystal structures of dichloro and dibromodimethylbis(indazole)tin(IV) (P. Alvarez Boo, J.S. Casas, U. Casellato, M.D. Couce, E. Freijanes, R. Graziani, B. Salgado, U. Russo and J. Sordo), 141

Synthesis and X-ray crystal structures of *rac*- and *meso*-2,2'-propyldiene-bis(1-indenyl)zirconium dichlorides (A.Z. Voskoboinikov, A.Yu. Agarkov, E.A. Chernyshev, I.P. Beletskaya, A.V. Churakov and L.G. Kuz'mina), 75

Titanocene

Preparation of 1,1'-binaphthyl-2,2'-diyl bridged *ansa*-bis(annulated cyclopentadienyl)titanium and -zirconium dichloride complexes (R.L. Halterman and T.M. Ramsey), 225

Tungsten

(Z)-1-Methoxy-4-(diphenylphosphino)but-1-ene-3-yne: a versatile synthon for unsymmetrically substituted (diphenylphosphino)diacetylene derivatives (R.J.P. Corriu, C. Guérin, B.J.L. Henner and A. Jolivet), 39

Xanthate

Synthesis and characterization of methylpalladium(II) dithiolate complexes of the type $[\text{PdMe}(\overset{\wedge}{\text{S}})(\text{ER}_3)]$ ($\overset{\wedge}{\text{S}} = \text{S}_2\text{CNR}_2$, S_2COEt , $\text{S}_2\text{P}(\text{OR})_2$, S_2PPh_2 ; $\text{ER}_3 = \text{PMePh}_2$, PPh_3 , AsPh_3) (S. Narayan, V.K. Jain and S. Chaudhury), 101

X-ray diffraction

Pseudoelementverbindungen IX. Organostannylierung von Cyanamidonitrat – Molekül- und Kristallstruktur von N-Trimethylstannyl-N'-nitro-carbodiimid (L. Jäger, C. Tretner, M. Biedermann und H. Hartung), 13

Synthesis and crystal structure of dimeric 2,4,6-triphenylphenylbis-muth dichloride (E.V. Avtomonov, X.-W. Li and J. Lorberth), 71

Zirconium

Synthesis and X-ray crystal structures of *rac*- and *meso*-2,2'-propyldiene-bis(1-indenyl)zirconium dichlorides (A.Z. Voskoboinikov, A.Yu. Agarkov, E.A. Chernyshev, I.P. Beletskaya, A.V. Churakov and L.G. Kuz'mina), 75

Zirconocene

Preparation of 1,1'-binaphthyl-2,2'-diyl bridged *ansa*-bis(annulated cyclopentadienyl)titanium and -zirconium dichloride complexes (R.L. Halterman and T.M. Ramsey), 225

Zwitterionic

Synthesis of a tripalladium cluster containing an $\eta^1:\eta^2:\eta^2$ -bridging butadienyl ligand stabilized by a zwitterionic structure (T. Murahashi, H. Kurosawa, N. Kanehisa and Y. Kai), 187

Book Review

Advances in Asymmetric Synthesis, Vol. I, Alfred Hassner (ed.) (D.W. Young), 263