

**JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 395****SUBJECT INDEX****Boron**

(3-Chloro-2-methylenecycloalkyl)palladium chloride dimers, reactivity of; coupling with phenyl nucleophiles (W.A. Donaldson, J. Wang), (395) 113

**Calcium**

Calcium and strontium, and zinc (phenazine)<sup>-</sup> species (G.E. Jacobsen, C.L. Raston), (395) C1

**Chromium**

[CpCr(CO)<sub>3</sub>]<sub>2</sub>( $\mu$ -SnCl<sub>2</sub>) and CpCrCl<sub>2</sub>(THF), isolation from the insertion-displacement of Se in Cp<sub>2</sub>Cr<sub>2</sub>(CO)<sub>4</sub>Se with SnCl<sub>2</sub>; crystal structure of CpCrCl<sub>2</sub>(CH<sub>3</sub>CN) (Cp= $\eta^5$ -C<sub>5</sub>H<sub>5</sub>) (L.Y. Goh, T.W. Hambley), (395) 269

Hexaphenylbenzene chromium tricarbonyl, fluxional behaviour of; variable-temperature <sup>13</sup>C NMR spectroscopic study (B. Mailvaganam, B.G. Sayer, M.J. McGlinchey), (395) 177

**Germanium**

Bis(dimethylgermyl)alkaneruthenium tetracarbonyls, synthesis and cleavage reactions of (J. Barrau, N. Ben Hamida, J. Satgé), (395) 27

Group IVB organobimetallic compounds, reactions with electrophilic reagents (S.I. Bobrovskii, Yu.G. Bundel), (395) 121

**Iridium**

Tosyliminooxosulphurane, factors affecting coordination geometry in complexes of (M. Herberhold, A.F. Hill), (395) 195

**Iron**

$\eta^4$ -Coordinated (*s-cis*)-1-molybda-2-phospho-1,3-dienes, stepwise formation of (H. Lang, M. Leise, L. Zsolnai, M. Fritz), (395) C30

2-6- $\eta^5$ -Cyclohexadienone- $\eta^5$ -cyclopentadienyliron and some related systems (A. Piórko, C.H. Zhang, R.S. Reid, C.C. Lee, R.G. Sutherland), (395) 293

Dinuclear alkenyl-bridged iron-nickel and diiron complexes, synthesis of; crystal structure of [Fe<sub>2</sub>(CO)<sub>4</sub>(C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>( $\mu$ -CO)( $\mu$ -CPh=CPhH)] (I. Moldes, J. Ros, R. Yáñez, R. Mathieu, X. Solans, M. Font-Bardia), (395) 305

Tricarbonyl( $\eta^5$ -cyclohexadienyl)iron(1+)complexes, phenyl directing groups in the demethoxylation route to (D.A. Owen, G.R. Stephenson, H. Finch, S. Swanson), (395) C5

(Tricarbonyl)( $\eta^5$ -2-methylpentadienyl)iron(+1) cation, synthesis and reactivity of (W.A. Donaldson), (395) 187

**Lead**

Group IVB organobimetallic compounds, reactions with electrophilic reagents (S.I. Bobrovskii, Yu.G. Bundel), (395) 121

**Magnesium**

Titanium-nitrogen complexes, reaction with acid halides and acid anhydrides (M. Mori, Y. Uozumi, M. Shibasaki), (395) 255

## Molybdenum

$\text{AgNO}_3$  as nitrosylation reagent (K.-B. Shiu, C.-J. Chang), (395) C47

$\eta^4$ -Coordinated (*s-cis*)-1-molybda-2-phospha-1,3-dienes, stepwise formation of (H. Lang, M. Leise, L. Zsolnai, M. Fritz), (395) C30

Dicyclopentadienyl-molybdenum and -tungsten *p*-substituted benzonitrile complexes, syntheses and reactivity of; oxidative electrochemistry; crystal structure of  $[\text{Mo}(\eta^5\text{-C}_5\text{H}_5)_2(\text{SC}_6\text{H}_5)(p\text{-CH}_3)_2\text{NC}_6\text{H}_4\text{CN}]\text{PF}_6$  (M.A.A.F. de C.T. Carrondo, A.R. Dias, M.H. Garcia, P.M. Matias, M.P. Robalo, M.L.H. Green, J. Higgins, Y.Y. Yang), (395) 279

Pentamethylcyclopentadienyltetrachloromolybdenum(V), reactivity of; synthesis, structure and electrochemical properties of  $[(\eta^5\text{-C}_5\text{Me}_5)\text{MoOCl}]_2\text{O}$  (K. Omakoshi, K. Isobe), (395) 47

## Neodymium

Organolanthanoid(II) complexes, non-classical; preparation and reactivity of the first organoneodymium(II) compound (M. Wedler, A. Recknagel, F.T. Edelmann), (395) C26

## Nickel

Cationic  $\eta^3, \eta^2$ -octa-2-(*E*),7-dien-1-yl(ligand)nickel(II) complexes,  $[\text{Ni}(\text{C}_8\text{H}_{13})\text{LJX}]$  ( $\text{X} = \text{PF}_6^-$ ,  $\text{BF}_4^-$ ;  $\text{L} = \text{P}^{\text{III}}\text{-ligand}$ ), as catalysts for the stereospecific polymerisation of butadiene (R. Taube, J.-P. Gehrke, P. Böhme, J. Kötnitz), (395) 341

Dinuclear alkenyl-bridged iron-nickel and diiron complexes, synthesis of; crystal structure of  $[\text{Fe}_2(\text{CO})_4(\text{C}_5\text{H}_5)(\mu\text{-CO})(\mu\text{-CPh}=\text{CPhH})]$  (I. Moldes, J. Ros, R. Yáñez, R. Mathieu, X. Solans, M. Font-Bardia), (395) 305

## Osmium

Osmium *ortho*-metallated ketazine complex,  $\text{OsH}(\text{CO})_2[(\text{C}_6\text{H}_3\text{-}p\text{-Me})(p\text{-tolyl})\text{CN}(\text{C}_6\text{H}_4\text{-}p\text{-tolyl})_2](\text{PPh}_3)$ , synthesis and structure of (M.A. Gallop, C.E.F. Rickard, W.R. Roper), (395) 333

$[\text{Ru}_3(\text{CO})_{12}]$  and  $[\text{Os}_3(\text{CO})_{12}]$ , halogenation behaviour of bidentate ligand-bridged derivatives of (J.S. Field, R.J. Haines, J.A. Jay), (395) C16

Tosyliminooxosulphurane, coordinative activation towards electrophiles (M. Herberhold, A.F. Hill), (395) 207

Tosyliminooxosulphurane, coupling with ethylene, allene, and alkynes coordinated to osmium (M. Herberhold, A.F. Hill), (395) 315

Tosyliminooxosulphurane, factors affecting coordination geometry in complexes of (M. Herberhold, A.F. Hill), (395) 195

Tosyliminooxosulphurane, insertion reactions with coordinatively unsaturated ruthenium and osmium aryl complexes (M. Herberhold, A.F. Hill), (395) 327

## Palladium

(3-Chloro-2-methylenecycloalkyl)palladium chloride dimers, reactivity of; coupling with phenyl nucleophiles (W.A. Donaldson, J. Wang), (395) 113

Cyclopalladated *N*-nitrosoanilines, reactions with  $\text{Sn}^{\text{IV}}$  reagents; crystal structure of the bis cyclopalladated complex *cis*- $\text{Pd}\{\text{ONN}(\text{CH}_3)(\text{C}_6\text{H}_4)\}_2$  (A. Albinati, S. Affolter, P.S. Pregosin), (395) 231

Cyclopalladation of 5-(1-hexyl)-2{[4'-(1-undecyloxy)phenyl]pyrimidine; synthesis and characterization of mononuclear complexes (M. Ghedini, D. Pucci), (395) 105

Cyclopalladation of 2-phenylpyrimidines with pendant pyrazole donors (G.B. Caygill, P.J. Steel), (395) 375

Diazadiene palladium(0) catalysed 2:2-cycloaddition of alkynes and allenes; preparation of naphthalin-2,3,6,7-tetracarboxylic acid derivatives (C. Munz, C. Stephan, H. tom Dieck), (395) C42

Double cyclopalladation of diphenyl pyrazines and related ligands (P.J. Steel, G.B. Caygill), (395) 359

Mono- and diarylacetylenes, synthesis of (M.I. Al-Hassan), (395) 227

## Phosphorus

Bis(dimethylgermyl)alkaneruthenium tetracarbonyls, synthesis and cleavage reactions of (J. Barrau, N. Ben Hamida, J. Satgé), (395) 27

$[(\eta^2\text{-C}_5\text{H}_5)(\text{PMc}_3)_2\text{Ru}=\text{C}(\text{Me})\text{Ph}]^+$  cationic ruthenium vinylidene complex, stereoselective reaction with sodium cyanide (S.G. Davies, A.J. Smallridge), (395) C39

- $\eta^4$ -Coordinated (*s-cis*)-1-molybda-2-phospha-1,3-dienes, stepwise formation of (H. Lang, M. Leise, L. Zsolnai, M. Fritz), (395) C30
- Osmium *ortho*-metallated ketazine complex,  $\text{OsH}(\text{CO})_2[(\text{C}_6\text{H}_3-p\text{-Me})(p\text{-tolyl})\text{CN}](p\text{-tolyl})_2](\text{PPh}_3)$ , synthesis and structure of (M.A. Gallop, C.E.F. Rickard, W.R. Roper), (395) 333
- Rhodium and platinum complexes of tetraphenylhexapentaene; X-ray crystal structure of bis(triphenylphosphine)chloro(tetraphenylhexapentaene)rhodium (L. Song, A.M. Arif, P.J. Stang), (395) 219
- $[\text{Ru}_3(\text{CO})_{12}]$  and  $[\text{Os}_3(\text{CO})_{12}]$ , halogenation behaviour of bidentate ligand-bridged derivatives of (J.S. Field, R.J. Haines, J.A. Jay), (395) C16
- $[\text{Ru}_2(\text{CO})_5(\text{solvent})\{\mu-(\text{RO})_2\text{PN}(\text{Et})\text{P}(\text{OR})_2\}_2]^{2+}$  solvato species, synthesis of; its potential as a source for a wide range of dinuclear derivatives of ruthenium (J.S. Field, R.J. Haines, U. Honrath, J. Sundermeyer, S.F. Woollam), (395) C9
- 2,4,6-Tri-*t*-butylphenylseleno compounds of gold(I) and mercury(II) (I. Wagner, W.-W. du Mont), (395) C23

### Platinum

- Rhodium and platinum complexes of tetraphenylhexapentaene; X-ray crystal structure of bis(triphenylphosphine)chloro(tetraphenylhexapentaene)rhodium (L. Song, A.M. Arif, P.J. Stang), (395) 219

### Rhenium

- Hexahydrido( $\eta^5$ -pentamethylcyclopentadienyl)rhenium(VII), ( $\eta^5\text{-C}_5\text{Me}_5$ ) $\text{ReH}_6$ , reactions of; gas-phase and crystal structure of (W.A. Herrmann, H.G. Theiler, P. Kiprof, J. Tremmel, R. Blom), (395) 69
- Methyltrioxorhenium(VII) metallo-acid, addition of anionic and neutral bases to; crystal structure of a 2,2'-bipyridinium perhenenate (W.A. Herrmann, J.G. Kuchler, P. Kiprof, J. Riede), (395) 55

### Rhodium

- Rhodium and platinum complexes of tetraphenylhexapentaene; X-ray crystal structure of bis(triphenylphosphine)chloro(tetraphenylhexapentaene)rhodium (L. Song, A.M. Arif, P.J. Stang), (395) 219
- Tosyliminooxosulphurane, factors affecting coordination geometry in complexes of (M. Herberhold, A.F. Hill), (395) 195

### Ruthenium

- Bis(dimethylgermyl)alkaneruthenium tetracarbonyls, synthesis and cleavage reactions of (J. Barrau, N. Ben Hamida, J. Satgé), (395) 27
- $[(\eta^5\text{-C}_5\text{H}_5)(\text{PMe}_3)_2\text{Ru}=\text{C}=\text{C}(\text{Me})\text{Ph}]^+$  cationic ruthenium vinylidene complex, stereoselective reaction with sodium cyanide (S.G. Davies, A.J. Smallridge), (395) C39
- Hydrotris(pyrazol-1-yl)boratoruthenium(II) complexes, synthesis of (A.F. Hill), (395) C35
- $[\text{Ph}_3\text{PCH}_2\text{CH}_2\text{PPh}_3]^2+ \text{[Ru}_{10}(\mu_6\text{-C})_2(\text{CO})_{20}(\mu\text{-CO})_4^- \cdot 2\text{Me}_2\text{CO}$ , crystal structure of; the severely disordered structure of  $[\text{NEt}_4]^2\text{[Ru}_{10}(\mu_6\text{-C})_2(\text{CO})_{20}(\mu\text{-CO})_4^-$  (M.R. Churchill, C. Bueno, A.L. Rhein-gold), (395) 85
- $[\text{Ru}_3(\text{CO})_{12}]$  and  $[\text{Os}_3(\text{CO})_{12}]$ , halogenation behaviour of bidentate ligand-bridged derivatives of (J.S. Field, R.J. Haines, J.A. Jay), (395) C16
- $[\text{Ru}_2(\text{CO})_5(\text{solvent})\{\mu-(\text{RO})_2\text{PN}(\text{Et})\text{P}(\text{OR})_2\}_2]^{2+}$  solvato species, synthesis of; its potential as a source for a wide range of dinuclear derivatives of ruthenium (J.S. Field, R.J. Haines, U. Honrath, J. Sundermeyer, S.F. Woollam), (395) C9
- Tolyliminooxosulphurane, coordinative activation towards electrophiles (M. Herberhold, A.F. Hill), (395) 207
- Tosyliminooxosulphurane, factors affecting coordination geometry in complexes of (M. Herberhold, A.F. Hill), (395) 195
- Tosyliminooxosulphurane, insertion reactions with coordinatively unsaturated ruthenium and osmium aryl complexes (M. Herberhold, A.F. Hill), (395) 327

### Selenium

- $[\text{CpCr}(\text{CO})_3]_2(\mu\text{-SnCl}_2)$  and  $\text{CpCrCl}_2(\text{THF})$ , isolation from the insertion-displacement of Se in  $\text{Cp}_2\text{Cr}_2(\text{CO})_4\text{Se}$  with  $\text{SnCl}_2$ ; crystal structure of  $\text{CpCrCl}_2(\text{CH}_3\text{CN})$  ( $\text{Cp}=\eta^5\text{-C}_5\text{H}_5$ ) (L.Y. Goh, T.W. Hambley), (395) 269

- Organolanthanoid(II) complexes, non-classical; preparation and reactivity of the first organoneodymium(II) compound (M. Wedler, A. Recknagel, F.T. Edelmann), (395) C26
- 2-(2-Pyridyl)phenyl selenium compounds, synthesis and properties of; crystal structure of 2-(2-pyridyl)phenylselenium(II) tribromomercurate(II) (S.A. Mbogo, T.S. Lobana, W.R. McWhinnie, M.R. Greaves, T.A. Hamor), (395) 167
- 2,4,6-Tri-t-butylphenylseleno compounds of gold(I) and mercury(II) (I. Wagner, W.-W. du Mont), (395) C23

## Silicon

- Group IVB organobimetallic compounds, reactions with electrophilic reagents (S.I. Bobrovskii, Yu.G. Bundel), (395) 121
- $[(Me_3Si)_2CH]_2Sn(Cl)N(H)(C_6H_2-2,4,6-t-Bu_3)$  and  $[(Me_3Si)_2CH]_2Sn(F)N(H)(C_6H_2-2,4,6-t-Bu_3)$ , syntheses and crystal structures of (A. Raharinirina, R. Boese, G. Schmid), (395) 39
- Mono- and diarylacetylenes, synthesis of (M.I. Al-Hassan), (395) 227
- Silicon compounds, pentacoordinated; intramolecular ring closure, site preferences of substituents and the stability of the resulting chelates (R.J.P. Corriu, A. Kpoton, M. Poirier, G. Royo, A. de Saxcé, J.C. Young), (395) 1
- 2,4,6-Tri-t-butylphenylseleno compounds of gold(I) and mercury(II) (I. Wagner, W.-W. du Mont), (395) C23

## Silver

- $AgNO_3$  as nitrosylation reagent (K.-B. Shiu, C.-J. Chang), (395) C47

## Strontium

- Calcium and strontium, and zinc (phenazine) $^{+}$  species (G.E. Jacobsen, C.L. Raston), (395) C1

## Tin

- $[CpCr(CO)_3]_2(\mu-SnCl_2)$  and  $CpCrCl_2(THF)$ , isolation from the insertion-displacement of Se in  $'Cp_2Cr_2(CO)_4Se$  with  $SnCl_2$ ; crystal structure of  $CpCrCl_2(CH_3CN)$  ( $Cp=\eta^5-C_5H_5$ ) (L.Y. Goh, T.W. Hambley), (395) 269
- Cyclopalladated N-nitrosoanilines, reactions with  $Sn^{IV}$  reagents; crystal structure of the bis cyclopalladated complex  $cis-Pd(ONN(CH_3)(C_6H_4))_2$  (A. Albinati, S. Affolter, P.S. Pregosin), (395) 231
- Group IVB organobimetallic compounds, reactions with electrophilic reagents (S.I. Bobrovskii, Yu.G. Bundel), (395) 121
- $[(Me_3Si)_2CH]_2Sn(Cl)N(H)(C_6H_2-2,4,6-t-Bu_3)$  and  $[(Me_3Si)_2CH]_2Sn(F)N(H)(C_6H_2-2,4,6-t-Bu_3)$ , syntheses and crystal structures of (A. Raharinirina, R. Boese, G. Schmid), (395) 39

## Titanium

- Titanium–nitrogen complexes, reaction with acid halides and acid anhydrides (M. Mori, Y. Uozumi, M. Shibasaki), (395) 255

## Tungsten

- $AgNO_3$  as nitrosylation reagent (K.-B. Shiu, C.-J. Chang), (395) C47
- Dicyclopentadienyl-molybdenum and -tungsten p-substituted benzonitrile complexes, syntheses and reactivity of; oxidative electrochemistry; crystal structure of  $[Mo(\eta^5-C_5H_5)_2(SC_6H_5)(p-(CH_3)_2NC_6H_4CN)]PF_6$  (M.A.A.F. de C.T. Carrondo, A.R. Dias, M.H. Garcia, P.M. Matias, M.P. Robalo, M.L.H. Green, J. Higgins, Y.Y. Yang), (395) 279

## Zinc

- Calcium and strontium, and zinc (phenazine) $^{+}$  species (G.E. Jacobsen, C.L. Raston), (395) C1

## Book reviews

- Advances in metal-organic chemistry, Volume 1; edited by L.S. Liebeskind (P.A. Chaloner), (395) C51
- Carbyne complexes; by H. Fischer, P. Hofmann, F.R. Kreissl, R.R. Schrock, U. Schubert and K. Weiss (M.F. Lappert), (395) C21
- Organic functional group preparations, Volume 12-III, second edition; by S.R. Sandler and W. Karo (P.A. Chaloner), (395) C52
- Organometallics in organic synthesis 2; edited by H. Werner and G. Erker (P.A. Chaloner), (395) C53
- The chemist's English, third edition; by R. Schoenfeld (C. Eaborn), (395) C54