

# JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 132 (1977)

## SUBJECT INDEX

### Aluminium

**Allylzinc bromide, reactions with carbonyl compounds of (F. Barbot, Ph. Miginiac), 445**

**9-Borabicyclo[3.3.1]nonane  $\beta$ -allyl derivatives, preparation and unusual chemistry of (G.W. Kramer, H.C. Brown), 9**

**Organoaluminium derivatives of substituted phenols, coordinative interaction in (S. Pasynkiewicz, Z.B. Starowieyski, A.S. Peregudov, D.N. Kravtsov), 191**

**Pentacarbonyltungsten zerovalent complexes, IR study of metathesis of olefins with (J.L. Bilhou, J.M. Basset), 395**

**Poly(*N*-alkyliminoalanes),  $^1\text{H}$  NMR spectra of (C. Busetto, M. Cesari, S. Cucinella, T. Salvatori), 339**

### Antimony

**Arsenediazoalkanes with organometallic ligands, synthesis, chemical reactivities and thermodynamics of (E. Glozbach, J. Lorberth), 359**

### Arsenic

**Arsenediazoalkanes with organometallic ligands, synthesis, chemical reactivities and thermodynamics of (E. Glozbach, J. Lorberth), 359**

**$\text{Me}_2\text{XGeMe}_2\text{CH}_2\text{K}'\text{Me}_2$  ( $\text{X}, \text{X}' = \text{N}, \text{P}, \text{As}$ ) as chelating ligands, preparation of (J. Grobe, J. Hendriock), 77**

**Tetramethylarsonium dichlorodimethylgallate and tetramethylarsonium trichloromonomethylgallate, crystal structure of (H.D. Hausen, H.J. Guder, W. Schwarz), 37**

### Bismuth

**Arsenediazoalkanes with organometallic ligands, synthesis, chemical reactivities**

**and thermodynamics of (E. Glozbach, J. Lorberth), 359**

### Boron

**9-Borabicyclo[3.3.1]nonane  $\beta$ -allyl derivatives, preparation and unusual chemistry of (G.W. Kramer, H.C. Brown), 9**

**Dialkyldiethynylstannanes, reactions with triorganylboranes of (L. Killian, B. Wrackmeyer), 213**

**Hydroboration—oxidation of isomeric trimethylsilylcyclohexenes and trimethylsilylcyclopentenes (M. De Jesus, O. Rosario, G.L. Larson), 301**

**Phenylborane derivatives,  $^{13}\text{C}$  NMR study on (B.R. Gragg, W.J. Layton, K. Niedenzu), 29**

### Chromium

**Arenechromium(0) complexes with phosphinic, carbonylic and thiocarbonylic ligands, mass spectra of (G. Simonneaux, G. Jaouen, R. Dabard, P. Guenot), 231**

**Dimethylthioketenepentacarbonylchromium, crystal and molecular structure of (B.A. Karcher, R.A. Jacobson), 387**

**Early transition metal alkenyls and related compounds, preparation and cleavage and insertion reactions of (C.J. Cardin, D.J. Cardin, J.M. Kelly, R.J. Norton, A. Roy), C23**

**Hexacarbonyl-chromium, -molybdenum and -tungsten compounds, reactions with (*o*-lithiobenzyl)diphenylphosphines of (H.-P. Abicht, K. Issleib), 327**

**Pentacarbonylchromium methylthiocyanate, crystal and molecular structure of (B.J. Helland, M.H. Quick, R.A. Jacobson, R.J. Angelici), 95**

**Seleno- and thio-carbonylpentacarbonylchromium, complexes, facile route to (A.M. English, K.R. Piowman, I.S. Butler, G. Jaouen, P. LeMaux, J.-Y. Thépot), C1**

Thioketone complexes of chromium, molybdenum, and tungsten carbonyls (R.G.W. Gingerich, R.J. Angelici), 377

Tricarbonylmanganese tricarbonylchromium derivatives, synthesis, characterization and spectra of (N.J. Gogan, C.-K. Chu), 103

## Gallium

Tetramethylarsonium dichlorodimethylgallate and tetramethylarsonium trichloromonomethylgallate, crystal structures of (H.D. Hausen, H.J. Guder, W. Schwarz), 37

## Germanium

Arsenediazoalkanes with organometallic ligands, synthesis, chemical reactivities and thermodynamics of (E. Glozbach, J. Lorberth), 359

2,5-Dimetalla(IVB)phospholanes and 2-metalla(IVB)-1,3-diphospholanes, synthesis of (C. Couret, J. Satgé, J. Escudié, J.D. Andriamizaka), C5  
 $\text{Me}_2\text{XGeMe}_2\text{CH}_2\text{X}'\text{Me}_2$  ( $\text{X}, \text{X}' = \text{N}, \text{P}, \text{As}$ ) as chelating ligands, preparation of (J. Grobe, J. Hendriock), 77

## Hafnium

Early transition metal alkenyls and related compounds, preparation and cleavage and insertion reactions of (C.J. Cardin, D.J. Cardin, J.M. Kelly, R.J. Norton, A. Roy), C23

## Iridium

Tris(triphenylphosphine)iridium(I) internally metallated complex, reactions with carbon monoxide, hydrogen and methanol of (F. Morandini, B. Longato, S. Bresadola), 291

## Iron

$n^{\circ}$ -(Bicyclo[6.1.0]nona-2,4,6-triene)hexa-

carbonyldiiron( $\text{Fe}-\text{Fe}$ ),  $^1\text{H}$  and  $^{13}\text{C}$  NMR investigation of the fluxional behaviour of (G. Deganello, L.K.K. Li Shing Man, J. Takats), 265

$\alpha$ -[ $N,N$ ]-Dimethylamino[3]ferrocenophanes, stereospecific lithiation of (K.C.Y. Sok, G. Tainturier, B. Gautheron), 173  
[3]Ferrocenophane-1,3-dione, synthesis and reactivity of (M. Šališová, Š. Toma, E. Solčániová), 419

Pentacarbonyliron, kinetics and mechanism of the reaction with mercuric halides of (J. E. Pardue, G.R. Dobson), 121

## Lead

Arsenediazoalkanes with organometallic ligands, synthesis, chemical reactivities and thermodynamics of (E. Glozbach, J. Lorberth), 359

## Lithium

Alkoxyalkylthiobenzenes, metalation of (S. Cabiddu, S. Melis, P.P. Piras, M. Secci), 321

Allylzinc bromide, reactions with carbonyl compounds of (F. Barbot, Ph. Miginiac), 445

S,S-Dialkylsulphur(VI) diimides, reactivity towards methylolithium, sodium methylate and sodium trimethylsilanolate of (W. Wolfsberger, H. Försterling), 203

(1Z,4Z)-1,5-Dilithium-1,4-pentadienes, synthesis and reactions of (P. Jutzi, J. Baumgärtner, W. Schraut), 333

$\alpha$ -[ $N,N$ ]-Dimethylamino[3]ferrocenophanes, stereospecific lithiation of (K.C.Y. Sok, G. Tainturier, B. Gautheron), 173

Hexacarbonyl-chromium, -molybdenum and -tungsten compounds, reactions with (*o*-lithiobenzyl)diphenylphosphines of (H.-P. Abicht, K. Issleib), 327

Pentadienyllithium, theoretical study of (R.J. Bushby, A.S. Patterson), 163

Silacyclobutanes with bulky substituents, preparation and spectra of (P. Jutzi, P. Langer), 45

## Magnesium

Allylzinc bromide, reactions with carbonyl

compounds of (F. Barbot, Ph. Miginiac), 445

Silacyclobutanes with bulky substituents, preparation and spectra of (P. Jutzi, P. Langer), 45

## Manganese

Cymantrene complexes, photochemical substitution and chirality of (M. Le Plouzennec, F. Le Moigne, R. Dabard), 409

Dicarbonyl(methoxy-methyl(or -phenyl)-carbene)- and dicarbonyl(diphenyl-carbene)methyl-cyclopentadienylmanganese, insertion reactions with 1-diethylaminopropyne and spectra of the reaction products of (K.H. Dötz, I. Pruskil), 115

Tricarbonylmanganese tricarbonylchromium derivatives, synthesis, characterization and spectra of (N.J. Gogan, C.-K. Chu), 103

## Mercury

Alkylmercury(II) halides, thermodynamics of the reaction with Lewis bases of (D.P. Graddon, J. Mondal), 1

Arsenediazoalkanes with organometallic ligands, synthesis, chemical reactivities and thermodynamics of (E. Glozbach, J. Lorberth), 359

Norbornene derivatives, oxythallation and oxymercuration of (P.F. Barron, D. Doddrell, W. Kitching), 351

Pentacarbonyliron, kinetics and mechanism of the reaction with mercuric halides of (J.E. Pardue, G.R. Dobson), 121

## Metallocenes

Dicyclopentadienylniobium, evidence for its existence and properties of (D.A. Lemenovskii, V.P. Fedin), C11

Dicyclopentadienylniobium(III) chloride, preparation and properties of (D.A. Lemenovskii, T.V. Baukova, V.P. Fedin), C14

$\alpha$ -[*N,N*]-Dimethylamino[3]ferrocenophanes,

stereospecific lithiation of (K.C.Y. Sok, G. Tainturier, B. Gautheron), 173

[3]Ferrocenophane-1,3-dione, synthesis and reactivity of (M. Sališová, Š. Toma, E. Solčániová), 419

Titanocene, monohapto- and pentahapto-cyclopentadienyl exchange in (Ou Khan, A. Dormond, J.P. Leroux), 149

## Molybdenum

Carbonyl( $\eta^3$ -allyl)-molybdenum and -tungsten anions, preparation and properties of (G. Doyle), 243

Dienediphosphinedicarbonylmolybdenum complexes, preparation and spectra of (F. Hohmann, H. tom Dieck, T. Mack, D. Leibfritz), 255

Hexacarbonyl-chromium, -molybdenum and -tungsten compounds, reactions with (*o*-lithiobenzyl)diphenylphosphines of (H.-P. Abicht, K. Issleib), 327

Thioketone complexes of chromium, molybdenum, and tungsten carbonyls (R.G.W. Gingerich, R.J. Angelici), 377

## Nickel

Hydrosilylation of cyclic or linear dienes using low-valent nickel complexes and related experiments (A.J. Cornish, M.F. Lappert, T.A. Nile), 133

Palladium(0) and nickel(0) complexes as catalysts in the arylation of the Reformatsky reagent (J.F. Fauvarque, A. Jutand), C17

## Niobium

Dicyclopentadienylniobium, evidence for its existence and properties of (D.A. Lemenovskii, V.P. Fedin), C11

Dicyclopentadienylniobium(III) chloride, preparation and properties of (D.A. Lemenovskii, T.V. Baukova, V.P. Fedin), C14

## Palladium

Cyclopalladation of vinylic oximes (B.A.