

## Subject Index of Volume 446

### Aluminium

Dimethylsiloxy-aluminiumdihalide dimers. Molecular structures of  $[\text{Me}_2\text{HSiOAlX}_2]_2$  ( $X = \text{Cl}, \text{I}$ ) and  $[\text{Me}_3\text{SiOAl}(\text{BH}_4)_2]_2$  (P. Bissinger, P. Mikulcik, J. Riede, A. Schier and H. Schmidbaur), 37

### Boron

The ammine complex of tris(trifluoromethyl)borane, and some N-acyl derivatives. Crystal structure of  $(\text{CF}_3)_3\text{B} \cdot \text{NH}_3$  and  $(\text{CF}_3)_3\text{B} \cdot \text{NH}=\text{CHN}(\text{CH}_3)_2$  (A. Ansorge, D.J. Brauer, H. Bürger, B. Krumm and G. Pawelke), 25

### Germanium

Chemistry of heavy carbene analogues  $\text{R}_2\text{M}$  ( $\text{M} = \text{Si}, \text{Ge}, \text{Sn}$ ). XVII. Reactions of free dimethylgermylene with H-acidic compounds and donors (B. Klein, W.P. Neumann, M.P. Weisbeck and S. Wienken), 149

### Iron

Mixed ( $\mu$ -alkane- and arenethiolato)( $\mu$ -phosphido)hexacarbonyldi-iron complexes. Synthesis and P–Cl reactivity (D. Seyferth, K.S. Brewer, G.B. Womack and C.M. Archer), 167

$^1\text{H}$ ,  $^{13}\text{C}$  NMR spectroscopic studies of iodoferrocenylruthenocenium<sup>+</sup> salts (M. Watanabe, T. Iwamoto, H. Sano and I. Motoyama), 177

### Metalloccenes

Chemistry of decamethylsilicocene: oxidative addition of compounds with X–H bonds ( $X = \text{F}, \text{Cl}, \text{Br}, \text{O}, \text{S}$ ) (P. Jutzi, E.-A. Bunte, U. Holtmann, B. Neumann and H.-G. Stammler), 139

$^1\text{H}$ ,  $^{13}\text{C}$  NMR spectroscopic studies of iodoferrocenylruthenocenium<sup>+</sup> salts (M. Watanabe, T. Iwamoto, H. Sano and I. Motoyama), 177

### Palladium

Synthèse d'aryl- et hétéroarylsilanes par scission de l'hexaméthyl-disilane (P. Babin, B. Bennetau, M. Theurig et J. Dunoguès), 135

### Platinum

Cyclohydrosilylation dimer formation: evidence for  $\text{Pt}^0 \leftrightarrow \text{Pt}^{\text{II}} \leftrightarrow \text{Pt}^{\text{IV}}$  catalysis (H.K. Chu and C.L. Frye), 183

### Ruthenium

$^1\text{H}$ ,  $^{13}\text{C}$  NMR spectroscopic studies of iodoferrocenylruthenocenium<sup>+</sup> salts (M. Watanabe, T. Iwamoto, H. Sano and I. Motoyama), 177

### Silicon

Molecular  $\lambda^5$ -silicates: synthesis, structure and properties of zwitterionic  $\lambda^5$ -organospirosilicates and  $\lambda^5$ -organofluorosilicates (R. Tacke, J. Becht, A. Lopez-Mras and J. Sperllich), 1

Organosiloxanes with functional groups – a short review (G. Schmaucks, R. Wagner and R. Wersig), 9

Recent advances in catalytic hydrosilylation (B. Marciniak and J. Guliński), 15

Dimethylsiloxy-aluminiumdihalide dimers. Molecular structures of  $[\text{Me}_2\text{HSiOAlX}_2]_2$  ( $X = \text{Cl}, \text{I}$ ) and  $[\text{Me}_3\text{SiOAl}(\text{BH}_4)_2]_2$  (P. Bissinger, P. Mikulcik, J. Riede, A. Schier and H. Schmidbaur), 37

A stable aquo-complex of lithiated di-tert-butylfluorosilanol. Synthesis and crystal structure (S. Schütte, U. Pieper, U. Klingebiel and D. Stalke), 45

Beiträge zur Chemie der Halogensilan-Addukte. XXIII. Über die Ionisierung der SiCl-Bindung. Temperaturabhängige Übergänge zwischen penta- und tetrakoordinierten SiCl-Verbindungen. Die Kristall- und Molekülstruktur von Chloro-dimethyl-(3,4,7,8-tetrahydro-2*H*,6*H*-pyrimido[1,2-*a*]pyrimidin-1-ylmethyl-*C*<sup>1</sup>,*N*<sup>9</sup>)-silicium (D. Kummer, S.H.A. Halim, W. Kuhs und G. Mattern), 51

Linear 2,2-diaryl-substituted trisilanes: structure and photolysis to disilenes (R.S. Archibald, Y. van den Winkel, D.R. Powell and R. West), 67

Synthesis of siloxanes. XX. Stereochemical investigations of substitution reactions at cyclotrisiloxanes with new types of model compounds (R. Gewald, U. Scheim, R. Lang, K. Rühlmann and R. Lehnert), 79

Synthesis, properties and characterization of octadecamethylbicyclo[4.4.0]decalasilane (P.K. Jenkner, E. Hengge, R. Czaputa and C. Kratky), 83

Disproportionation of oligodimethylsiloxanols in the presence of a protic acid in dioxane (M. Cypryk, S. Rubinsztajn and J. Chojnowski), 91

MNDO, AM1 and PM3 semiempirical molecular orbital study of 1-fluorosilatrane (G.I. Csonka and P. Hencsei), 99

Synthesis and characterization of (4*S*)-silatrane-4-carboxylic acids; molecular structure of (3*R*,4*S*)-1-vinyl-3-methylsilatrane-4-carboxylic acid (R.-X. Zhuo, Z.-R. Lu, J. Liao and L.-F. Shen), 107

Photoelectron spectra and molecular properties. CXXXVIII. 1,4-Di[tris(trimethylsilyl)silyl]benzene: synthesis, structural analogy, photoelectron spectrum and ESR/ENDOR characterization of its radical anion (H. Bock, J. Meuret, R. Baur and K. Ruppert), 113

A novel route to the trisilacyclobutane moiety. A possible silene–disilene reaction (D. Bravo-Zhivotovskii, Y. Apeloig, Y. Ovchinnikov, V. Igonin and Y.T. Struchkov), 123

Excimer laser photolysis of hexamethyldisilazane (J. Pola and R. Taylor), 131

Synthèse d'aryl- et hétéroarylsilanes par scission de l'hexaméthyl-disilane (P. Babin, B. Bennetau, M. Theurig et J. Dunoguès), 135

Chemistry of decamethylsilicocene: oxidative addition of compounds with X–H bonds ( $X = \text{F}, \text{Cl}, \text{Br}, \text{O}, \text{S}$ ) (P. Jutzi, E.-A. Bunte, U. Holtmann, B. Neumann and H.-G. Stammler), 139

Cyclohydrosilylation dimer formation: evidence for  $\text{Pt}^0 \leftrightarrow \text{Pt}^{\text{II}} \leftrightarrow \text{Pt}^{\text{IV}}$  catalysis (H.K. Chu and C.L. Frye), 183

- Direct and sequential synthesis of polysilazanes using lithiated (n-butylamino)silanes (B.J. Aylett and C.-F. Liaw), C1
- The effect of pentacoordination on silicon-29 NMR chemical shifts and silicon-hydrogen coupling constants (A.R. Bassindale and J. Jiang), C3
- Unexpected behaviour of a hexacoordinate silicon compound (F. Carré, C. Chuit, R.J.P. Corriu, A. Mehdi and C. Reyé), C6
- Insertion of dimethylsilylene into the sulphur-hydrogen bond of trialkoxysilanethiols (S. Konieczny, K. Wrzesień and W. Wojnowski), 73

- Rearrangements from the reactions of silenes with trimethylsilylketene (A.G. Brook and A. Baumegeger), C9

## Tin

- Preparation and crystal structures of the crowded triorganotin isothiocyanate  $(\text{PhMe}_2\text{Si})_3\text{CSnMe}_2\text{NCS}$  and nitrate  $(\text{PhMe}_2\text{Si})_3\text{CSnMe}_2\text{ONO}_2$  (S.S. Al-Juaid, M. Al-Rawi, C. Eaborn, P.B. Hitchcock and J.D. Smith), 161