

## Subject Index of Volume 489

### Alcohol

Ruthenium complex-catalyzed novel transformation of alkyl formates (T. Kondo, S. Kajiji, S. Tantayanon and Y. Watanabe), 83

### Aldehyde

Ring-opening silylformylation of oxetanes catalyzed by  $[\text{RhCl}(\text{CO})_2]_2$ -amine (Y. Fukumoto, S. Yamaguchi, N. Chatani and S. Murai), 215

### Aldehyde imines

Rhodium complexes with diimines derived from glyoxal: crystal structure of  $[\text{Rh}(\text{SnCl}_3)(\text{NBD})(\text{GCH})]$  (NBD = norbornadiene; GCH = glyoxal bis(cyclohexylimine) (M. Bikrani, M.A. Garralda, L. Ibarlucea and E. Pinilla), 93

### Alkanes

Carboxylation of gaseous alkanes with CO catalyzed by Pd–Cu-based catalysts: a spectroscopic study (K. Nakata, T. Miyata, Y. Taniguchi, K. Takaki and Y. Fujiwara), 71

### Alkene

Conversion of trifluoromethyl carbonyl compounds to the corresponding vinylsilanes with cyclopentadienyltris(trimethylsilylmethyl)titanium(IV) (J.-P. Bégué and M.H. Rock), C7

Direct synthesis of ethylmethoxysilanes by the liquid-phase reaction of silicon, methanol and ethylene (M. Okamoto, N. Watanabe, E. Suzuki and Y. Ono), C12

Ruthenium complex-catalyzed novel transformation of alkyl formates (T. Kondo, S. Kajiji, S. Tantayanon and Y. Watanabe), 83

### Alkoxides

Functionally substituted derivatives of  $(\eta^5\text{-cyclopentadienyl})\text{tris(isopropoxy)titanium}$  and  $(\eta^5\text{-cyclopentadienyl})\text{trichlorotitanium}$  (S. Barry, A. Kucht, H. Kucht and M.D. Rausch), 195

### Alkyl

Ruthenium complex-catalyzed novel transformation of alkyl formates (T. Kondo, S. Kajiji, S. Tantayanon and Y. Watanabe), 83

### Alkyne

Beiträge zur Chemie des Bors, 226: Funktionalisierung von Alkynylboranen-Umsetzung mit Nucleophilen (H. Feulner, N. Metzler und H. Nöth), 51

The structure of  $[\text{Co}_2(\text{CO})_5(\mu_2, \eta^4\text{-CPhCHCHCPh})]$  a cobalt analogue of the 'ferroles' (I. Moldes, T. Papworth, J. Ros, A. Alvarez-Larena and J.F. Piniella), C65

### Alkynes

Stereospecific protonation of coordinated alkynes (R.A. Henderson, D.J. Lowe and P. Salisbury), C22

### Alkynylboranes

Beiträge zur Chemie des Bors, 226: Funktionalisierung von Alkynylboranen-Umsetzung mit Nucleophilen (H. Feulner, N. Metzler und H. Nöth), 51

### Alkynylcarbene complexes

Reaktionen von Komplexliganden. LXIII. Diethylzink-induzierte Dimerisierung von Alkynylcarbenliganden: Regioselektive Synthese eines Cyclopentenyliden-Komplexes (K.H. Dötz, C. Christoffers und P. Knochel), C84

### Alkynylphosphanes

Synthese und Reaktionsverhalten Chloro-funktionalisierter Alkynyl-Phosphane; stufenweise Darstellung von  $\sigma^3, \lambda^4$ -Phosphandiyl-Komplexen mit einer Phosphor-Cobalt- bzw. Phosphor-Molybdän-Doppelbindung (H. Lang, M. Leise und A. Schmitzer), 77

### Allyl

Synthetic and structural studies of methyl- and phenylpalladium(II) complexes of poly(pyrazol-1-yl)borates, and the  $\eta^3$ -allylpalladium(II) complex  $\text{Pd}(\eta^3\text{-C}_3\text{H}_5)(\text{pz})_3\text{BH-}N, N'$  (A.J. Canty, H. Jin, A.S. Roberts, P.R. Traill, B.W. Skelton and A.H. White), 153

### Aluminium

An intramolecularly base-stabilized monomeric organoaluminum dihydride (L. Contreras, A.H. Cowley, F.P. Gabbai, R.A. Jones, C.J. Carrano and M.R. Bond), C1

### Amide

Reactions between tetraalkyldiboranes(6) and disilazanes – A convenient route to N-silylamino-dialkylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 201

### Amine

Reactions between tetraalkyldiboranes(6) and disilazanes – A convenient route to N-silylamino-dialkylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 201

### Aniline

New chelating nitrogen ligands and their application to the catalytic reduction of nitrobenzene to aniline. X-ray structure of  $[\text{Rh}(\text{CO})_2(\text{BBOM})]$  (HBBOM = bis(2-benzoxazoly)methane) (F. Ragaini, M. Pizzotti, S. Cenini, A. Abbotto, G.A. Pagani and F. Demartin), 107

### Arene

Ruthenium complex-catalyzed novel transformation of alkyl formates (T. Kondo, S. Kajiji, S. Tantayanon and Y. Watanabe), 83

### Asymmetric induction

Solution structure of a key intermediate used in asymmetric alkylation reactions.  $^1\text{H}, ^1\text{H}$ -NOESY and  $^6\text{Li}, ^1\text{H}$ -HOESY studies of mixtures of a chiral lithium amide and n-butyl-lithium (G. Hilmersson and Ö. Davidsson), 175

### Biaryl

Anomalous deprotonation of tricarbonyl( $\eta^5$ -1-arylcyclohexadienyl)iron complexes (A.V. Malkov and G.R. Stephenson), C74

## Bipyridine

Synthesis and characterization of triosmium-dipalladium mixed-metal cluster. Crystal structure of  $[(\text{bipy})\text{Pd}]_2\text{Os}_3(\text{CO})_{12}$  (S. Chan and W.-T. Wong), C78

## Borane

Reactions between tetraalkyldiboranes(6) and disilazanes – A convenient route to N-silylamino-dialkylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 201

## Boron

Beiträge zur Chemie des Bors, 226: Funktionalisierung von Alkinylboranen-Umsetzung mit Nucleophilen (H. Feulner, N. Metzler und H. Nöth), 51

## Bridging ligand

Synthesis, structure and substitution reactions of the binuclear phosphido-bridged complex  $\text{Cp}(\text{CO})_2\bar{\text{W}}(\mu\text{-PPh}_2)\bar{\text{W}}(\text{CO})_5$  (S.-G. Shyu, W.-J. Wu, Y.-S. Wen, S.-M. Peng and G.-H. Lee), 113

## Bridging naphthalene dianion

Binuclear complexes of La(III) and Eu(II) with the bridging naphthalene dianion. Synthesis and X-ray crystallographic analysis of  $[\mu_2\text{-}\eta^4\text{-}\eta^4\text{-C}_{10}\text{H}_8][\text{LaI}_2(\text{THF})_3]_2$  and  $[\mu_2\text{-}\eta^4\text{-}\eta^4\text{-C}_{10}\text{H}_8][\text{Eu}(\text{DME})_2]_2$  (I.L. Fedushkin, M.N. Bochkarev, H. Schumann, L. Esser and G. Kociok-Köhn), 145

## Bromotrifluoromethane

Electrosynthesis of (trifluoromethyl)copper complexes from bromotrifluoromethane: reactivities with various organic halides (J.M. Paratian, E. Labbé, S. Sibille and J. Périchon), 137

## Bulky ligand

Preparation of  $(^i\text{PrMe}_2\text{Si})_3\text{CH}$  and its use as a source of the bulky ligand  $(^i\text{PrMe}_2\text{Si})_3\text{C}$  (A.I. Almansour and C. Eaborn), 181

## Cage compounds

Funktionalisierte Octa-(propylsilsesquioxane) $\times$ 3- $\text{XC}_3\text{H}_6$  $\times$ 8( $\text{Si}_8\text{O}_{12}$ ) Modellverbindungen für oberflächenmodifizierte Kieselgele (U. Dittmar, B.J. Hendan, U. Flörke und H.C. Marsmann), 185

## Carbene complex

Reaktionen am koordinierten Trichlormethylisocyanid VI. Synthese und Reaktionen von Pentacarbonyl{tris(imidazol-1-yl)methylisocyanid}chrom (S. Ahn, W. Sperber und W.P. Fehlhammer), 27

## Carbohydrate

X-ray and NMR study of the structure of the organotin carbohydrate: 6-Deoxy-1,2-O-isopropylidene-6-(triphenylstannyl)- $\alpha$ -D-glucopyranose (P.J. Cox, R.A. Howie, O.A. Melvin and J.L. Wardell), 161

## Carbon monoxide

Ring-opening silylformylation of oxetanes catalyzed by  $[\text{RhCl}(\text{CO})_2]_2$ -amine (Y. Fukumoto, S. Yamaguchi, N. Chatani and S. Murai), 215

## Carbonyl

Anomalous deprotonation of tricarbonyl( $\eta^5$ -1-arylcyclohexadienyl)iron complexes (A.V. Malkov and G.R. Stephenson), C74

Fine-tuning electrophilicity of cationic tricarbonyliron complexes (A.V. Malkov and G.R. Stephenson), C44

Photochemical reaction of  $\text{W}(\text{CO})_6$  with  $\text{SnCl}_4$ . I. Synthesis and X-ray structure of tri- $\mu$ -chloro-trichlorostannate-heptacarbonylditungsten(II)  $[(\text{CO})_4\bar{\text{W}}(\mu\text{-Cl})_3\bar{\text{W}}(\text{SnCl}_3)(\text{CO})_3]$  (T. Szymańska-Buzar and T. Głowiak), 207

Synthesis and characterization of triosmium-dipalladium mixed-metal cluster. Crystal structure of  $[(\text{bipy})\text{Pd}]_2\text{Os}_3(\text{CO})_{12}$  (S. Chan and W.-T. Wong), C78

Synthesis, structure and substitution reactions of the binuclear phosphido-bridged complex  $\text{Cp}(\text{CO})_2\bar{\text{W}}(\mu\text{-PPh}_2)\bar{\text{W}}(\text{CO})_5$  (S.-G. Shyu, W.-J. Wu, Y.-S. Wen, S.-M. Peng and G.-H. Lee), 113

The structure of  $[\text{Co}_2(\text{CO})_5(\mu_2, \eta^4\text{-CPhCHCHCPh})]$  a cobalt analogue of the 'ferroles' (I. Moldes, T. Papworth, J. Ros, A. Alvarez-Larena and J.F. Piniella), C65

## Carbonylation

New chelating nitrogen ligands and their application to the catalytic reduction of nitrobenzene to aniline. X-ray structure of  $[\text{Rh}(\text{CO})_2(\text{BBOM})]$  (HBBOM = bis(2-benzoxazolyl)methane) (F. Ragaini, M. Pizzotti, S. Cenini, A. Abboto, G.A. Pagani and F. Demartin), 107

## Catalysis

Preparation of carbonyl phosphine rhodium complexes with dithiolate bridges. Application as catalyst precursors in the hydroformylation of 1-hexene (A. Aaliti, A.M. Masdeu, A. Ruiz and C. Claver), 101

Remarkable  $\alpha$ -regioselectivity in the rhodium-catalyzed hydroformylation of 2-vinylpyridine (R. Settambolo, S. Pucci, S. Bertozzi and R. Lazzaroni), C50

Ruthenium complex-catalyzed novel transformation of alkyl formates (T. Kondo, S. Kajiji, S. Tantayanon and Y. Watanabe), 83

## Ceramics

Polymeric organosilicon systems. XXIII. Synthesis and photochemical and thermal properties of (*E*)- and (*Z*)-poly((disilanylene)ethylenes) (J. Ohshita, D. Kanaya, T. Watanabe and M. Ishikawa), 165

Pyrolyse von Übergangsmetallkomplexen: Darstellung von Metallcarbiden (MC,  $\text{M}_2\text{C}$ ) aus metallorganischen Verbindungen (H. Lang, S. Blau, G. Rheinwald und G. Wildermuth), C17

## Chromium

Reaktionen am koordinierten Trichlormethylisocyanid VI. Synthese und Reaktionen von Pentacarbonyl{tris(imidazol-1-yl)methylisocyanid}chrom (S. Ahn, W. Sperber und W.P. Fehlhammer), 27

Synthesis and reactivity of the phosphido-bridged complex  $[\text{Cp}_2\text{Ta}(\mu\text{-CO})(\mu\text{-PMe}_2)\text{Cr}(\text{CO})_4]$  (G. Boni, P. Sauvageot and C. Moïse), C32

The synthesis, characterizations and structures of Group 4 metal-chromium complexes bridged by an  $\text{OC}_6\text{H}_4\text{CH}_3$  group (T.-Y. Huang, C.-T. Chen and H.-M. Gau), 63

## Cluster

Novel synthesis of alkylidynetrinickel clusters (S. Pasynkiewicz, W. Buchowicz and A. Pietrzykowski), C48

The structure of  $[\text{Co}_2(\text{CO})_5(\mu_2, \eta^4\text{-CPhCHCHCPh})]$  a cobalt analogue of the 'ferroles' (I. Moldes, T. Papworth, J. Ros, A. Alvarez-Larena and J.F. Piniella), C65

## Cobalt

The structure of  $[\text{Co}_2(\text{CO})_5(\mu_2, \eta^4\text{-CPhCHCHCPh})]$  a cobalt analogue of the 'ferroles' (I. Moldes, T. Papworth, J. Ros, A. Alvarez-Larena and J.F. Piniella), C65

## Cobalt complexes

Synthese und Reaktionsverhalten Chloro-funktionalisierter Alkyl-Phosphane; stufenweise Darstellung von  $\sigma^3, \lambda^4$ -Phosphandiyl-Komplexen mit einer Phosphor-Cobalt- bzw. Phosphor-Molybdän-Doppelbindung (H. Lang, M. Leise und A. Schmitzer), 77

## Conjugation

Synthesis of silylene-phenylene and silylene-thienylene copolymers and their optical properties (M.-C. Fang, A. Watanabe and M. Matsuda), 15

## Copper

Addition of dimethylphenylsilyl cuprates to vinyl epoxides: Effect of cuprate stoichiometry on stereochemistry and regiochemistry (D.L.J. Clive, C. Zhang, Y. Zhou and Y. Tao), C35

Electrosynthesis of (trifluoromethyl)copper complexes from bromotrifluoromethane: reactivities with various organic halides (J.M. Paratian, E. Labbé, S. Sibille and J. Périchon), 137

Stepwise synthesis of "trimetallic" dithiophosphinato clusters containing a cubane-type  $\text{Mo}_2\text{WCuS}_4$  cluster core (H. Diller, H. Keck, H. Wunderlich and W. Kuchen), 123

## Crystal structure

New Fe-Mo and Fe-W fulvalene-bridged heterobimetallic complexes containing the ferrocenyl unit. Crystal structure of  $[(\eta\text{-C}_5\text{H}_5)\text{Fe}(\mu\text{-}\eta\text{-}\eta\text{-C}_5\text{H}_4\text{Ind})\text{Mo}(\text{CO})_2(\eta\text{-C}_3\text{H}_5)]$  (Ind = 1-indenyl) (S. Wan, M.J. Begley and P. Mountford), C28

Organoruthenaborane chemistry. Part 10. Preparation, molecular structure, and nuclear magnetic resonance properties of  $[6,9\text{-}(\eta^6\text{-pym})_2\text{-nido-6,9-Ru}_2\text{B}_8\text{H}_{12}]$  (M. Bown and J.M. Waters), 43

Photochemical reaction of  $\text{W}(\text{CO})_6$  with  $\text{SnCl}_4$ . I. Synthesis and X-ray structure of tri- $\mu$ -chloro-trichlorostannate-heptacarbonylditungsten(II)  $[(\text{CO})_4\text{W}(\mu\text{-Cl})_3\text{W}(\text{SnCl}_3)(\text{CO})_3]$  (T. Szymańska-Buzar and T. Głowiak), 207

Stepwise synthesis of "trimetallic" dithiophosphinato clusters containing a cubane-type  $\text{Mo}_2\text{WCuS}_4$  cluster core (H. Diller, H. Keck, H. Wunderlich and W. Kuchen), 123

Synthesis and characterization of triosmium-dipalladium mixed-metal cluster. Crystal structure of  $[\{(\text{bipy})\text{Pd}\}_2\text{Os}_3(\text{CO})_{12}]$  (S. Chan and W.-T. Wong), C78

Synthesis and structure of bis(pentamethylcyclopentadienyl)-selenium (C.M. Bates, C.P. Morley, M.B. Hursthouse and K.M.A. Malik), C60

Synthesis and structures of the mononuclear iron(II) dialkyl  $\text{FeR}_2$  and the iron(II) dithiolate complex  $[\text{Fe}(\text{SAr})_2(\text{RH})]$  [R =  $\text{C}(\text{SiMe}_3)_2\text{C}_5\text{H}_4\text{N-2}$ ; Ar = 2,4,6- $t$ -Bu $_3\text{C}_6\text{H}_2$ ] (H.K. Lee, B.-S. Luo, T.C.W. Mak and W.-P. Leung), C71

Synthetic and structural studies of methyl- and phenylpalladium(II) complexes of poly(pyrazol-1-yl)borates, and the  $\eta^3$ -allylpalladium(II) complex  $\text{Pd}(\eta^3\text{-C}_3\text{H}_5)\{\text{pz}\}_3\text{BH-}N,N'\}$  (A.J. Canty, H. Jin, A.S. Roberts, P.R. Traill, B.W. Skelton and A.H. White), 153

X-ray and NMR study of the structure of the organotin carbohydrate: 6-Deoxy-1,2-*O*-isopropylidene-6-(triphenylstannyl)- $\alpha$ -D-glucopyranose (P.J. Cox, R.A. Howie, O.A. Melvin and J.L. Wardell), 161

## Cuprate

Addition of dimethylphenylsilyl cuprates to vinyl epoxides: Effect of cuprate stoichiometry on stereochemistry and regiochemistry (D.L.J. Clive, C. Zhang, Y. Zhou and Y. Tao), C35

## Cyclohexadienyl

Anomalous deprotonation of tricarbonyl( $\eta^5$ -1-arylcyclohexadienyl)iron complexes (A.V. Malkov and G.R. Stephenson), C74

Fine-tuning electrophilicity of cationic tricarbonyliron complexes (A.V. Malkov and G.R. Stephenson), C44

## Cyclopentadienyl

Formation of 1,1,12,12-Tetramethyl[1.1]silaferrocenophane and poly(ferrocenylsilane) in the reaction of ferrous chloride with the dilithium salt of dicyclopentadienyldimethylsilanes (J. Park, Y. Seo, S. Cho, D. Whang, K. Kim and T. Chang), 23

Novel synthesis of alkylidynetrinickel clusters (S. Pasykiewicz, W. Buchowicz and A. Pietrzykowski), C48

Stereospecific protonation of coordinated alkynes (R.A. Henderson, D.J. Lowe and P. Salisbury), C22

Synthesis and structure of bis(pentamethylcyclopentadienyl)-selenium (C.M. Bates, C.P. Morley, M.B. Hursthouse and K.M.A. Malik), C60

Synthesis, structure and substitution reactions of the binuclear phosphido-bridged complex  $\text{Cp}(\text{CO})_2\text{W}(\mu\text{-PPh}_2)\text{W}(\text{CO})_5$  (S.-G. Shyu, W.-J. Wu, Y.-S. Wen, S.-M. Peng and G.-H. Lee), 113

## Cyclopentadienyl derivatives

Functionally substituted derivatives of ( $\eta^5$ -cyclopentadienyl)triisopropoxytitanium and ( $\eta^5$ -cyclopentadienyl)trichlorotitanium (S. Barry, A. Kucht, H. Kucht and M.D. Rausch), 195

## Cyclopentadienyltris(trimethylsilylmethyl)titanium(IV)

Conversion of trifluoromethyl carbonyl compounds to the corresponding vinylsilanes with cyclopentadienyltris(trimethylsilylmethyl)titanium(IV) (J.-P. Bégué and M.H. Rock), C7

## Cyclopentenylidene complexes

Reaktionen von Komplexliganden. LXIII. Diethylzink-induzierte Dimerisierung von Alkynylcarbenliganden: Regioselektive Synthese eines Cyclopentenyliden-Komplexes (K.H. Dötz, C. Christoffers und P. Knochel), C84

## Dealkylation

Arene ruthenium(II) complexes coordinated by phosphino and two phenoxide groups in tris(2,6-dimethoxyphenyl)phosphine: crystal structure of ( $\eta^6$ -1,2,3,4-Me $_4\text{C}_6\text{H}_2$ )Ru[P(2,6-(MeO) $_2$ -C $_6\text{H}_3$ )] $_2$ [2-O-6-MeOC $_6\text{H}_3$ ] $_2$ ] (Y. Yamamoto, R. Sato, M. Ohshima, F. Matsuo and C. Sudoh), C68

## Deprotonation

Anomalous deprotonation of tricarbonyl( $\eta^5$ -1-arylcyclohexadienyl)iron complexes (A.V. Malkov and G.R. Stephenson), C74

## Dibridged complex

Synthesis and reactivity of the phosphido-bridged complex  $[\text{Cp}_2\text{Ta}(\mu\text{-CO})(\mu\text{-PMe}_2)\text{Cr}(\text{CO})_4]$  (G. Boni, P. Sauvageot and C. Moise), C32

## Diethylzinc

Reaktionen von Komplexliganden. LXIII. Diethylzink-induzierte Dimerisierung von Alkynylcarbenliganden: Regioselektive Synthese eines Cyclopentenyliden-Komplexes (K.H. Dötz, C. Christoffers und P. Knochel), C84

## Dimerization

Reaktionen von Komplexliganden. LXIII. Diethylzink-induzierte Dimerisierung von Alkynylcarbenliganden: Regioselektive Synthese eines Cyclopentenyliden-Komplexes (K.H. Dötz, C. Christoffers und P. Knochel), C84

## Dinuclear

$\eta^3$ -Allyl molybdenum dithiophosphate and dithiophosphate complexes with uni- and bidentate nitrogen donor ligands. X-ray structure of  $[\text{Mo}_2(\eta^3\text{-C}_3\text{H}_5)_2(\text{CO})_4\{\text{S}_2\text{P}(\text{OEt})_2\}_2(\mu\text{-NH}_2\text{NH}_2)]$  (G. Barrado, D. Miguel, V. Riera and S. García-Granda), 129

## Dithiolate bridges

Preparation of carbonyl phosphine rhodium complexes with dithiolate bridges. Application as catalyst precursors in the hydroformylation of 1-hexene (A. Aaliti, A.M. Masdeu, A. Ruiz and C. Claver), 101

## Dithiophosphate

$\eta^3$ -Allyl molybdenum dithiophosphate and dithiophosphate complexes with uni- and bidentate nitrogen donor ligands. X-ray structure of  $[\text{Mo}_2(\eta^3\text{-C}_3\text{H}_5)_2(\text{CO})_4\{\text{S}_2\text{P}(\text{OEt})_2\}_2(\mu\text{-NH}_2\text{NH}_2)]$  (G. Barrado, D. Miguel, V. Riera and S. García-Granda), 129

## Dithiophosphate

$\eta^3$ -Allyl molybdenum dithiophosphate and dithiophosphate

- complexes with uni- and bidentate nitrogen donor ligands. X-ray structure of  $[\text{Mo}_2(\eta^3\text{-C}_3\text{H}_5)_2(\text{CO})_4\{\text{S}_2\text{P}(\text{OEt})_2\}_2(\mu\text{-NH}_2\text{NH}_2)]$  (G. Barrado, D. Miguel, V. Riera and S. García-Granda), 129
- Dithiophosphinato ligands**  
Stepwise synthesis of "trimetallic" dithiophosphinato clusters containing a cubane-type  $\text{Mo}_2\text{WCuS}_4$  cluster core (H. Diller, H. Keck, H. Wunderlich and W. Kuchen), 123
- Dynamic structure**  
Mehrfachbindungen zwischen Hauptgruppenelementen und Übergangsmetallen. CXLIII. Indenyltrioxorhenium(VII): Organometalloxid mit dynamischer Struktur (W.A. Herrmann, F.E. Kühn und C.C. Romão), C56
- Electroreduction**  
Electrosynthesis of (trifluoromethyl)copper complexes from bromotrifluoromethane: reactivities with various organic halides (J.M. Paratian, E. Labbé, S. Sibille and J. Périchon), 137
- Europium**  
Binuclear complexes of La(III) and Eu(II) with the bridging naphthalene dianion. Synthesis and X-ray crystallographic analysis of  $[\mu_2\text{-}\eta^4\text{:}\eta^4\text{-C}_{10}\text{H}_8][\text{LaI}_2(\text{THF})_3]_2$  and  $[\mu_2\text{-}\eta^4\text{:}\eta^4\text{-C}_{10}\text{H}_8][\text{Eu}(\text{DME})_2]_2$  (I.L. Fedushkin, M.N. Bochkarev, H. Schumann, L. Esser and G. Kociok-Köhn), 145
- Ferrocene**  
Formation of 1,1,12,12-Tetramethyl[1.1]silaferrocenophane and poly(ferrocenylsilane) in the reaction of ferrous chloride with the dilithium salt of dicyclopentadienyldimethylsilanes (J. Park, Y. Seo, S. Cho, D. Whang, K. Kim and T. Chang), 23
- Ferrocenyl aldehydes**  
 $[(\text{C}_5\text{H}_5)\text{Fe}(\text{C}_5\text{H}_4\text{CH}_2\text{NMe}_2)]$  as a promoter for the synthesis of the 1,2-disubstituted ferrocenyl aldehydes  $[(\text{C}_5\text{H}_5)\text{Fe}(1,2\text{-C}_5\text{H}_3(\text{CHO})(\text{CH}_2\text{NMe}_2))]_2$  and  $[(\text{C}_5\text{H}_5)\text{Fe}(1,2\text{-C}_5\text{H}_3(\text{CHO})\text{-CH}_2\text{NMe}(\text{CH}_2)_2\text{OCH}=\text{CH}_2)]$  (B. Delavaux-Nicot, Y. Guari and R. Mathieu), C87
- Functionalized isocyanide**  
Reaktionen am koordinierten Trichlormethylisocyanid VI. Synthese und Reaktionen von Pentacarbonyl{tris(imidazol-1-yl)methylisocyanid}chrom (S. Ahn, W. Sperber und W.P. Fehlhammer), 27
- Germanium**  
A novel intramolecular cyclization reaction. Synthesis and properties of 5- and 8-membered germa-lactones (Y. Guan, J. Zou and Z. Zhu), C52  
Photoelectron spectroscopic study of novel Group 14 functionalized vinylcyclopropenes (M. Eckert-Maksić, M. Golić and L. Paša-Tolić), 35
- GH activation**  
Carboxylation of gaseous alkanes with CO catalyzed by Pd–Cu-based catalysts: a spectroscopic study (K. Nakata, T. Miyata, Y. Taniguchi, K. Takaki and Y. Fujiwara), 71
- Group 6**  
Synthesis, structure and substitution reactions of the binuclear phosphido-bridged complex  $\text{Cp}(\text{CO})_2\text{W}(\mu\text{-PPh}_2)\text{W}(\text{CO})_5$  (S.-G. Shyu, W.-J. Wu, Y.-S. Wen, S.-M. Peng and G.-H. Lee), 113
- Hafnium**  
Monoindenyl halides of zirconium and hafnium. The preparation of  $[(\eta^5\text{-C}_9\text{H}_7)\text{ZrCl}_3]_n$  and  $[(\eta^5\text{-C}_9\text{H}_7)\text{HfCl}_2(\mu\text{-Cl})]_2$  and the crystal structure of  $[(\eta^5\text{-C}_9\text{H}_7)\text{HfCl}_2(\mu\text{-Cl})]_2$  (S.L. Shaw, R.J. Morris and J.C. Huffman), C4
- Synthesis of sandwich and half-sandwich complexes of Ti, Zr and Hf containing  $\eta^5\text{-C}_5\text{H}_4\text{SiMe}_2\text{Cl}$  ligand. Molecular structure of  $[\text{TiCl}_2(\mu\text{-OSiMe}_2\text{-}\eta^5\text{-C}_5\text{H}_4)]_2$  (A.V. Churakov, D.A. Lemenovskii and L.G. Kuz'mina), C81
- Halides**  
Monoindenyl halides of zirconium and hafnium. The preparation of  $[(\eta^5\text{-C}_9\text{H}_7)\text{ZrCl}_3]_n$  and  $[(\eta^5\text{-C}_9\text{H}_7)\text{HfCl}_2(\mu\text{-Cl})]_2$  and the crystal structure of  $[(\eta^5\text{-C}_9\text{H}_7)\text{HfCl}_2(\mu\text{-Cl})]_2$  (S.L. Shaw, R.J. Morris and J.C. Huffman), C4
- Hammett constants**  
Conjugative effects in  $\text{W}(\text{CO})_5$  complexed phosphirane rings illustrated by substituent effects on  $^{31}\text{P}$  NMR chemical shifts (J.-T. Hung and K. Lammertsma), 1
- Heterobimetallic**  
Photochemical reaction of  $\text{W}(\text{CO})_6$  with  $\text{SnCl}_4$ . I. Synthesis and X-ray structure of tri- $\mu$ -chloro-trichlorostannate-heptacarbonylditungsten(II)  $[(\text{CO})_4\text{W}(\mu\text{-Cl})_3\text{W}(\text{SnCl}_3)(\text{CO})_3]$  (T. Szymańska-Buzar and T. Głowiak), 207
- Heterobimetallic complexes**  
New Fe–Mo and Fe–W fulvalene-bridged heterobimetallic complexes containing the ferrocenyl unit. Crystal structure of  $[(\eta\text{-C}_5\text{H}_5)\text{Fe}(\mu\text{-}\eta\text{:}\eta\text{-C}_5\text{H}_4\text{Ind})\text{Mo}(\text{CO})_2(\eta\text{-C}_3\text{H}_5)]$  (Ind = 1-indenyl) (S. Wan, M.J. Begley and P. Mountford), C28
- Hydrazine**  
 $\eta^3$ -Allyl molybdenum dithiophosphate and dithiophosphinate complexes with uni- and bidentate nitrogen donor ligands. X-ray structure of  $[\text{Mo}_2(\eta^3\text{-C}_3\text{H}_5)_2(\text{CO})_4\{\text{S}_2\text{P}(\text{OEt})_2\}_2(\mu\text{-NH}_2\text{NH}_2)]$  (G. Barrado, D. Miguel, V. Riera and S. García-Granda), 129
- Hydride**  
Reactions between tetraalkyldiboranes(6) and disilazanes – A convenient route to N-silylamino-dialkylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 201
- Hydrides**  
An intramolecularly base-stabilized monomeric organoaluminum dihydride (L. Contreras, A.H. Cowley, F.P. Gabbai, R.A. Jones, C.J. Carrano and M.R. Bond), C1
- Hydroformylation**  
Preparation of carbonyl phosphine rhodium complexes with dithiolate bridges. Application as catalyst precursors in the hydroformylation of 1-hexene (A. Aaliti, A.M. Masdeu, A. Ruiz and C. Claver), 101  
Remarkable  $\alpha$ -regioselectivity in the rhodium-catalyzed hydroformylation of 2-vinylpyridine (R. Settambolo, S. Pucci, S. Bertozzi and R. Lazzaroni), C50
- Hydrolysis**  
Funktionalisierte Octa-(propylsilsesquioxane)(3- $\text{XC}_3\text{H}_6$ ) $_8(\text{Si}_8\text{O}_{12})$  Modellverbindungen für oberflächenmodifizierte Kieselgele (U. Dittmar, B.J. Hendan, U. Flörke und H.C. Marsmann), 185  
Siloxanes from the hydrolysis of isopropyltrimethoxysilane (J.K. Crandall and C. Morel-Fourrier), 5
- Hydrosilane**  
Ring-opening silylformylation of oxetanes catalyzed by  $[\text{RhCl}(\text{CO})_2]_2$ -amine (Y. Fukumoto, S. Yamaguchi, N. Chatani and S. Murai), 215
- Hydrosilylation**  
Funktionalisierte Octa-(propylsilsesquioxane)(3- $\text{XC}_3\text{H}_6$ ) $_8(\text{Si}_8\text{O}_{12})$  Modellverbindungen für oberflächenmodifizierte Kieselgele (U. Dittmar, B.J. Hendan, U. Flörke und H.C. Marsmann), 185
- Imidazole**  
Reaktionen am koordinierten Trichlormethylisocyanid VI. Synthese und Reaktionen von Pentacarbonyl{tris(imidazol-1-

- yl)methylisocyanid)chrom (S. Ahn, W. Sperber und W.P. Fehlhammer), 27
- Indenyl**  
Mehrfachbindungen zwischen Hauptgruppenelementen und Übergangsmetallen. CXLIII. Indenyltrioxorhenium(VII): Organometalloxid mit dynamischer Struktur (W.A. Herrmann, F.E. Kühn und C.C. Romão), C56
- Indenyl derivatives**  
Monoindenyl halides of zirconium and hafnium. The preparation of  $[(\eta^5\text{-C}_9\text{H}_7)\text{ZrCl}_3]_n$  and  $[(\eta^5\text{-C}_9\text{H}_7)\text{HfCl}_2(\mu\text{-Cl})_2]$  and the crystal structure of  $[(\eta^5\text{-C}_9\text{H}_7)\text{HfCl}_2(\mu\text{-Cl})_2]$  (S.L. Shaw, R.J. Morris and J.C. Huffman), C4
- Inorganic Michael systems**  
Beiträge zur Chemie des Bors, 226: Funktionalisierung von Alkynylboranen-Umsetzung mit Nucleophilen (H. Feulner, N. Metzler und H. Nöth), 51
- Iron**  
Anomalous deprotonation of tricarbonyl( $\eta^5$ -1-arylcyclohexadienyl)iron complexes (A.V. Malkov and G.R. Stephenson), C74  
 $[(\text{C}_5\text{H}_5)\text{Fe}(\text{C}_5\text{H}_4\text{CH}_2\text{NMe}_2)]$  as a promoter for the synthesis of the 1,2-disubstituted ferrocenyl aldehydes  $[(\text{C}_5\text{H}_5)\text{Fe}(1,2\text{-C}_5\text{H}_3(\text{CHO})(\text{CH}_2\text{NMe}_2)]$  and  $[(\text{C}_5\text{H}_5)\text{Fe}(1,2\text{-C}_5\text{H}_3(\text{CHO})\text{-CH}_2\text{NMe}(\text{CH}_2)_2\text{OCH}=\text{CH}_2)]$  (B. Delavaux-Nicot, Y. Guari and R. Mathieu), C87  
 Fine-tuning electrophilicity of cationic tricarbonyliron complexes (A.V. Malkov and G.R. Stephenson), C44  
 New Fe-Mo and Fe-W fulvalene-bridged heterobimetallic complexes containing the ferrocenyl unit. Crystal structure of  $[(\eta\text{-C}_5\text{H}_5)\text{Fe}(\mu\text{-}\eta\text{:}\eta\text{-C}_5\text{H}_4\text{Ind})\text{Mo}(\text{CO})_2(\eta\text{-C}_3\text{H}_5)]$  (Ind = 1-indenyl) (S. Wan, M.J. Begley and P. Mountford), C28  
 Pyrolyse von Übergangsmetallkomplexen: Darstellung von Metallcarbiden ( $\text{MC}$ ,  $\text{M}_2\text{C}$ ) aus metallorganischen Verbindungen (H. Lang, S. Blau, G. Rheinwald und G. Wildermuth), C17  
 Synthesis and structures of the mononuclear iron(II) dialkyl  $\text{FeR}_2$  and the iron(II) dithiolate complex  $[\text{Fe}(\text{SAr})_2(\text{RH})]$  [R =  $\text{C}(\text{SiMe}_3)_2\text{C}_5\text{H}_4\text{N-2}$ ; Ar = 2,4,6- $^t\text{Bu}_3\text{C}_6\text{H}_2$ ] (H.K. Lee, B.-S. Luo, T.C.W. Mak and W.-P. Leung), C71
- Isocyanide complex**  
Reaktionen am koordinierten Trichlormethylisocyanid VI. Synthese und Reaktionen von Pentacarbonyl[tris(imidazol-1-yl)methylisocyanid]chrom (S. Ahn, W. Sperber und W.P. Fehlhammer), 27
- Isonitrile complexes**  
Synthesis and reactivity of the phosphido-bridged complex  $[\text{Cp}_2\text{Ta}(\mu\text{-CO})(\mu\text{-PMe}_2)\text{Cr}(\text{CO})_4]$  (G. Boni, P. Sauvageot and C. Moise), C32
- Lactones**  
A novel intramolecular cyclization reaction. Synthesis and properties of 5- and 8-membered germalactones (Y. Guan, J. Zou and Z. Zhu), C52
- Lanthanum**  
Binuclear complexes of La(III) and Eu(II) with the bridging naphthalene dianion. Synthesis and X-ray crystallographic analysis of  $[\mu_2\text{-}\eta^4\text{:}\eta^4\text{-C}_{10}\text{H}_8][\text{LaI}_2(\text{THF})_3]_2$  and  $[\mu_2\text{-}\eta^4\text{:}\eta^4\text{-C}_{10}\text{H}_8][\text{EuI}(\text{DME})_2]_2$  (I.L. Fedushkin, M.N. Bochkarev, H. Schumann, L. Esser and G. Kociok-Köhn), 145
- Laser photolysis**  
ArF laser photolysis of tetraethyl- and tetravinyl-silane (J. Pola, J.P. Parsons and R. Taylor), C9
- Liquid-phase reaction**  
Direct synthesis of ethylmethoxysilanes by the liquid-phase reaction of silicon, methanol and ethylene (M. Okamoto, N. Watanabe, E. Suzuki and Y. Ono), C12
- Lithium**  
Addition of dimethylphenylsilyl cuprates to vinyl epoxides: Effect of cuprate stoichiometry on stereochemistry and regiochemistry (D.L.J. Clive, C. Zhang, Y. Zhou and Y. Tao), C35  
 Novel synthesis of alkylidynetrinickel clusters (S. Pasykiewicz, W. Buchowicz and A. Pietrzykowski), C48  
 Solution structure of a key intermediate used in asymmetric alkylation reactions.  $^1\text{H}$ ,  $^1\text{H}$ -NOESY and  $^6\text{Li}$ ,  $^1\text{H}$ -HOESY studies of mixtures of a chiral lithium amide and n-butyl-lithium (G. Hilmersson and Ö. Davidsson), 175  
 Synthesis of silylene-phenylene and silylene-thienylene copolymers and their optical properties (M.-C. Fang, A. Watanabe and M. Matsuda), 15
- Mechanism**  
Electrosynthesis of (trifluoromethyl)copper complexes from bromotrifluoromethane: reactivities with various organic halides (J.M. Paratian, E. Labbé, S. Sibille and J. Périchon), 137  
 Stereospecific protonation of coordinated alkynes (R.A. Henderson, D.J. Lowe and P. Salisbury), C22  
 The effect of  $\alpha$ -chloro substitution on the reactivity of  $\beta$ -functional silanes (S. Bratt and A.W.P. Jarvie), C26
- Metallaborane**  
Organoruthenaborane chemistry. Part 10. Preparation, molecular structure, and nuclear magnetic resonance properties of  $[\eta^6\text{-pcym})_2\text{-nido-6,9-Ru}_2\text{B}_8\text{H}_{12}]$  (M. Bown and J.M. Waters), 43
- Metallacycle**  
The structure of  $[\text{Co}_2(\text{CO})_5(\mu_2, \eta^4\text{-CPhCHCHCPh})]$  a cobalt analogue of the 'ferroles' (I. Moldes, T. Papworth, J. Ros, A. Alvarez-Larena and J.F. Piniella), C65
- Metal-metal bond**  
Synthesis and reactivity of the phosphido-bridged complex  $[\text{Cp}_2\text{Ta}(\mu\text{-CO})(\mu\text{-PMe}_2)\text{Cr}(\text{CO})_4]$  (G. Boni, P. Sauvageot and C. Moise), C32
- Metal-sulfur-clusters**  
Stepwise synthesis of "trimetallic" dithiophosphinato clusters containing a cubane-type  $\text{Mo}_2\text{WCu}_4$  cluster core (H. Diller, H. Keck, H. Wunderlich and W. Kuchen), 123
- Methane**  
Carboxylation of gaseous alkanes with CO catalyzed by Pd-Cu-based catalysts: a spectroscopic study (K. Nakata, T. Miyata, Y. Taniguchi, K. Takaki and Y. Fujiwara), 71
- Methanol**  
Direct synthesis of ethylmethoxysilanes by the liquid-phase reaction of silicon, methanol and ethylene (M. Okamoto, N. Watanabe, E. Suzuki and Y. Ono), C12
- MO calculations**  
Photoelectron spectroscopic study of novel Group 14 functionalized vinylcyclopropenes (M. Eckert-Maksić, M. Golić and L. Paša-Tolić), 35
- Molecular structure**  
X-ray and NMR study of the structure of the organotin carbohydrate: 6-Deoxy-1,2-O-isopropylidene-6-(triphenylstannyl)- $\alpha$ -D-glucofuranose (P.J. Cox, R.A. Howie, O.A. Melvin and J.L. Wardell), 161
- Molybdenum**  
 $\eta^3$ -Allyl molybdenum dithiophosphate and dithiophosphinate complexes with uni- and bidentate nitrogen donor ligands. X-ray structure of  $[\text{Mo}_2(\eta^3\text{-C}_3\text{H}_5)_2(\text{CO})_4(\text{S}_2\text{P}(\text{OEt})_2)_2(\mu\text{-NH}_2\text{NH}_2)]$  (G. Barrado, D. Miguel, V. Riera and S. García-Granda), 129  
 New Fe-Mo and Fe-W fulvalene-bridged heterobimetallic complexes containing the ferrocenyl unit. Crystal structure of

- $[(\eta\text{-C}_5\text{H}_5)\text{Fe}(\mu\text{-}\eta\text{-}\eta\text{-C}_5\text{H}_4\text{Ind})\text{Mo}(\text{CO})_2(\eta\text{-C}_3\text{H}_5)]$  (Ind = 1-indenyl) (S. Wan, M.J. Begley and P. Mountford), C28
- Pyrolyse von Übergangsmetallkomplexen: Darstellung von Metallcarbiden ( $\text{MC}$ ,  $\text{M}_2\text{C}$ ) aus metallorganischen Verbindungen (H. Lang, S. Blau, G. Rheinwald und G. Wildermuth), C17
- Stepwise synthesis of "trimetallic" dithiophosphinato clusters containing a cubane-type  $\text{Mo}_2\text{WCuS}_4$  cluster core (H. Diller, H. Keck, H. Wunderlich and W. Kuchen), 123
- Neutral *trans*-bis(carbene) complex**
- Syntheses and X-ray crystal structures of neutral *trans*-bis(diamino-carbene)platinum(II) complexes (S.-W. Zhang, T. Kaharu, N. Pirio, R. Ishii, M. Uno and S. Takahashi), C62
- Nickel**
- Novel synthesis of alkylidynetrinickel clusters (S. Pasynkiewicz, W. Buchowicz and A. Pietrzykowski), C48
- Nitrobenzene**
- New chelating nitrogen ligands and their application to the catalytic reduction of nitrobenzene to aniline. X-ray structure of  $[\text{Rh}(\text{CO})_2(\text{BBOM})]$  (HBBOM = bis(2-benzoxazolyl)methane) (F. Ragaini, M. Pizzotti, S. Cenini, A. Abbotto, G.A. Pagani and F. Demartin), 107
- Nitrogen base**
- New chelating nitrogen ligands and their application to the catalytic reduction of nitrobenzene to aniline. X-ray structure of  $[\text{Rh}(\text{CO})_2(\text{BBOM})]$  (HBBOM = bis(2-benzoxazolyl)methane) (F. Ragaini, M. Pizzotti, S. Cenini, A. Abbotto, G.A. Pagani and F. Demartin), 107
- NMR**
- Mehrfachbindungen zwischen Hauptgruppenelementen und Übergangsmetallen. CXLIII. Indenyltrioxorhenium(VII): Organometalloxid mit dynamischer Struktur (W.A. Herrmann, F.E. Kühn und C.C. Romão), C56
- Reactions between tetraalkyldiboranes(6) and disilazanes – A convenient route to N-silylamino-dialkylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 201
- Nuclear magnetic resonance**
- Conjugative effects in  $\text{W}(\text{CO})_5$  complexed phosphirane rings illustrated by substituent effects on  $^{31}\text{P}$  NMR chemical shifts (J.-T. Hung and K. Lammertsma), 1
- Siloxanes from the hydrolysis of isopropyltrimethoxysilane (J.K. Crandall and C. Morel-Fourrier), 5
- Solution structure of a key intermediate used in asymmetric alkylation reactions.  $^1\text{H}$ ,  $^1\text{H}$ -NOESY and  $^6\text{Li}$ ,  $^1\text{H}$ -HOESY studies of mixtures of a chiral lithium amide and n-butyl-lithium (G. Hilmersson and Ö. Davidsson), 175
- Nucleophilic attack**
- Beiträge zur Chemie des Bors, 226: Funktionalisierung von Alkynylboranen-Umsetzung mit Nucleophilen (H. Feulner, N. Metzler und H. Nöth), 51
- Octasilsesquioxanes**
- Funktionalisierte Octa-(propylsilsesquioxane)(3- $\text{XC}_3\text{H}_6$ ) $_8(\text{Si}_8\text{O}_{12})$  Modellverbindungen für oberflächenmodifizierte Kieselgele (U. Dittmar, B.J. Hendan, U. Flörke und H.C. Marsmann), 185
- Organoboron compounds**
- Beiträge zur Chemie des Bors, 226: Funktionalisierung von Alkynylboranen-Umsetzung mit Nucleophilen (H. Feulner, N. Metzler und H. Nöth), 51
- Organotin**
- X-ray and NMR study of the structure of the organotin carbohydrate: 6-Deoxy-1,2-O-isopropylidene-6-(triphenylstannyl)- $\alpha$ -D-glucufuranose (P.J. Cox, R.A. Howie, O.A. Melvin and J.L. Wardell), 161
- Ortho-metallation**
- Syntheses and X-ray crystal structures of neutral *trans*-bis(diamino-carbene)platinum(II) complexes (S.-W. Zhang, T. Kaharu, N. Pirio, R. Ishii, M. Uno and S. Takahashi), C62
- Osmium**
- Synthesis and characterization of triosmium-dipalladium mixed-metal cluster. Crystal structure of  $[\{(\text{bipy})\text{Pd}\}_2\text{Os}_3(\text{CO})_{12}]$  (S. Chan and W.-T. Wong), C78
- Oxetane**
- Ring-opening silylformylation of oxetanes catalyzed by  $[\text{RhCl}(\text{CO})_2]_2$ -amine (Y. Fukumoto, S. Yamaguchi, N. Chatani and S. Murai), 215
- Oxidative addition**
- Photochemical reaction of  $\text{W}(\text{CO})_6$  with  $\text{SnCl}_4$ . I. Synthesis and X-ray structure of tri- $\mu$ -chloro-trichlorostannate-heptacarbonylditungsten(II)  $[(\text{CO})_4\text{W}(\mu\text{-Cl})_3\text{W}(\text{SnCl}_3)(\text{CO})_3]$  (T. Szymańska-Buzar and T. Głowiak), 207
- Palladium**
- Carboxylation of gaseous alkanes with CO catalyzed by Pd-Cu-based catalysts: a spectroscopic study (K. Nakata, T. Miyata, Y. Taniguchi, K. Takaki and Y. Fujiwara), 71
- New chelating nitrogen ligands and their application to the catalytic reduction of nitrobenzene to aniline. X-ray structure of  $[\text{Rh}(\text{CO})_2(\text{BBOM})]$  (HBBOM = bis(2-benzoxazolyl)methane) (F. Ragaini, M. Pizzotti, S. Cenini, A. Abbotto, G.A. Pagani and F. Demartin), 107
- Synthesis and characterization of triosmium-dipalladium mixed-metal cluster. Crystal structure of  $[\{(\text{bipy})\text{Pd}\}_2\text{Os}_3(\text{CO})_{12}]$  (S. Chan and W.-T. Wong), C78
- Synthetic and structural studies of methyl- and phenylpalladium(II) complexes of poly(pyrazol-1-yl)borates, and the  $\eta^3$ -allylpalladium(II) complex  $\text{Pd}(\eta^3\text{-C}_3\text{H}_5)(\text{pz})_3\text{BH-}N,N'$  (A.J. Canty, H. Jin, A.S. Roberts, P.R. Traill, B.W. Skelton and A.H. White), 153
- $\pi$ -bonding**
- Synthesis, structure and substitution reactions of the binuclear phosphido-bridged complex  $\text{Cp}(\text{CO})_2\bar{\text{W}}(\mu\text{-PPh}_2)\bar{\text{W}}(\text{CO})_5$  (S.-G. Shyu, W.-J. Wu, Y.-S. Wen, S.-M. Peng and G.-H. Lee), 113
- The structure of  $[\text{Co}_2(\text{CO})_5(\mu_2, \eta^4\text{-CPhCHCHCPh})]$  a cobalt analogue of the 'ferroles' (I. Moldes, T. Papworth, J. Ros, A. Alvarez-Larena and J.F. Piniella), C65
- P–Co double bond**
- Synthese und Reaktionsverhalten Chloro-funktionalisierter Alkynyl-Phosphane; stufenweise Darstellung von  $\sigma^3, \lambda^4$ -Phosphandiyl-Komplexen mit einer Phosphor-Cobalt- bzw. Phosphor-Molybdän-Doppelbindung (H. Lang, M. Leise und A. Schmitzer), 77
- Perfluoroalkene**
- Conversion of trifluoromethyl carbonyl compounds to the corresponding vinylsilanes with cyclopentadienyltris(trimethylsilylmethyl)titanium(IV) (J.-P. Bégué and M.H. Rock), C7
- Phosphido bridges**
- Synthesis and reactivity of the phosphido-bridged complex  $[\text{Cp}_2\text{Ta}(\mu\text{-CO})(\mu\text{-PMe}_2)\text{Cr}(\text{CO})_4]$  (G. Boni, P. Sauvageot and C. Moïse), C32
- Phosphinidene**
- Conjugative effects in  $\text{W}(\text{CO})_5$  complexed phosphirane rings illustrated by substituent effects on  $^{31}\text{P}$  NMR chemical shifts (J.-T. Hung and K. Lammertsma), 1
- Photoelectron spectra**
- Photoelectron spectroscopic study of novel Group 14 functionalized vinylcyclopropenes (M. Eckert-Maksić, M. Golić and L. Paša-Tolić), 35

## Photolysis

Polymeric organosilicon systems. XXIII. Synthesis and photochemical and thermal properties of (*E*)- and (*Z*)-poly[(disilylene)ethylenes] (J. Ohshita, D. Kanaya, T. Watanabe and M. Ishikawa), 165

## Platinum

Syntheses and X-ray crystal structures of neutral *trans*-bis(diamino-carbene)platinum(II) complexes (S.-W. Zhang, T. Kaharu, N. Pirio, R. Ishii, M. Uno and S. Takahashi), C62

## P–Mo double bond

Synthese und Reaktionsverhalten Chloro-funktionalisierter Alkyl-Phosphane; stufenweise Darstellung von  $\sigma^3, \lambda^4$ -Phosphandiyl-Komplexen mit einer Phosphor-Cobalt- bzw. Phosphor-Molybdän-Doppelbindung (H. Lang, M. Leise und A. Schmitzer), 77

## Polymer

Formation of 1,1,12,12-Tetramethyl[1.1]silaferrocenophane and poly(ferrocenylsilane) in the reaction of ferrous chloride with the dilithium salt of dicyclopentadienyldimethylsilanes (J. Park, Y. Seo, S. Cho, D. Whang, K. Kim and T. Chang), 23

Polymeric organosilicon systems. XXIII. Synthesis and photochemical and thermal properties of (*E*)- and (*Z*)-poly[(disilylene)ethylenes] (J. Ohshita, D. Kanaya, T. Watanabe and M. Ishikawa), 165

## Poly(pyrazol-1-yl)borates

Synthetic and structural studies of methyl- and phenylpalladium(II) complexes of poly(pyrazol-1-yl)borates, and the  $\eta^3$ -allylpalladium(II) complex  $\text{Pd}(\eta^3\text{-C}_3\text{H}_5)(\text{pz})_3\text{BH-}N,N'$  (A.J. Canty, H. Jin, A.S. Roberts, P.R. Traill, B.W. Skelton and A.H. White), 153

## Polysilane

Formation of 1,1,12,12-Tetramethyl[1.1]silaferrocenophane and poly(ferrocenylsilane) in the reaction of ferrous chloride with the dilithium salt of dicyclopentadienyldimethylsilanes (J. Park, Y. Seo, S. Cho, D. Whang, K. Kim and T. Chang), 23

## Preceramics

Pyrolyse von Übergangsmetallkomplexen: Darstellung von Metallcarbiden ( $\text{MC}$ ,  $\text{M}_2\text{C}$ ) aus metallorganischen Verbindungen (H. Lang, S. Blau, G. Rheinwald und G. Wildermuth), C17

## Propane

Carboxylation of gaseous alkanes with CO catalyzed by Pd–Cu-based catalysts: a spectroscopic study (K. Nakata, T. Miyata, Y. Taniguchi, K. Takaki and Y. Fujiwara), 71

## Pyridine

Synthesis and structures of the mononuclear iron(II) dialkyl  $\text{FeR}_2$  and the iron(II) dithiolate complex  $[\text{Fe}(\text{SAr})_2(\text{RH})]$  [ $\text{R} = \text{C}(\text{SiMe}_3)_2\text{C}_5\text{H}_4\text{N-}2$ ;  $\text{Ar} = 2,4,6\text{-}^i\text{Bu}_3\text{C}_6\text{H}_2$ ] (H.K. Lee, B.-S. Luo, T.C.W. Mak and W.-P. Leung), C71

## 2-(2-Pyridyl)propanal

Remarkable  $\alpha$ -regioselectivity in the rhodium-catalyzed hydroformylation of 2-vinylpyridine (R. Settambolo, S. Pucci, S. Bertozzi and R. Lazzaroni), C50

## Pyrolysis

Pyrolyse von Übergangsmetallkomplexen: Darstellung von Metallcarbiden ( $\text{MC}$ ,  $\text{M}_2\text{C}$ ) aus metallorganischen Verbindungen (H. Lang, S. Blau, G. Rheinwald und G. Wildermuth), C17

 $\alpha$ -Regioselectivity

Remarkable  $\alpha$ -regioselectivity in the rhodium-catalyzed hydroformylation of 2-vinylpyridine (R. Settambolo, S. Pucci, S. Bertozzi and R. Lazzaroni), C50

## Rhenium

Mehrfachbindungen zwischen Hauptgruppenelementen und Übergangsmetallen. CXLIII. Indenyltrioxorhenium(VII):

Organometalloxid mit dynamischer Struktur (W.A. Herrmann, F.E. Kühn und C.C. Romão), C56

## Rhodium

New chelating nitrogen ligands and their application to the catalytic reduction of nitrobenzene to aniline. X-ray structure of  $[\text{Rh}(\text{CO})_2(\text{BBOM})]$  (HBBOM = bis(2-benzoxazolyl)methane) (F. Ragaini, M. Pizzotti, S. Cenini, A. Abboto, G.A. Pagani and F. Demartin), 107

Preparation of carbonyl phosphine rhodium complexes with dithiolate bridges. Application as catalyst precursors in the hydroformylation of 1-hexene (A. Aaliti, A.M. Masdeu, A. Ruiz and C. Claver), 101

Remarkable  $\alpha$ -regioselectivity in the rhodium-catalyzed hydroformylation of 2-vinylpyridine (R. Settambolo, S. Pucci, S. Bertozzi and R. Lazzaroni), C50

Rhodium complexes with diimines derived from glyoxal: crystal structure of  $[\text{Rh}(\text{SnCl}_3)(\text{NBD})(\text{GCH})]$  (NBD = norbornadiene; GCH = glyoxal bis(cyclohexylimine) (M. Bikrani, M.A. Garralda, L. Ibarlucea and E. Pinilla), 93

Ring-opening silylformylation of oxetanes catalyzed by  $[\text{RhCl}(\text{CO})_2]_2$ -amine (Y. Fukumoto, S. Yamaguchi, N. Chatani and S. Murai), 215

## Ruthenium

Arene ruthenium(II) complexes coordinated by phosphino and two phenoxide groups in tris(2,6-dimethoxyphenyl)phosphine: crystal structure of  $(\eta^6\text{-}1,2,3,4\text{-Me}_4\text{C}_6\text{H}_2)\text{Ru}[\text{P}\{2,6\text{-}(\text{MeO})_2\text{-C}_6\text{H}_3\}\{2\text{-O-}6\text{-MeOC}_6\text{H}_3\}_2]$  (Y. Yamamoto, R. Sato, M. Ohshima, F. Matsuo and C. Sudoh), C68

Organoruthenaborane chemistry. Part 10. Preparation, molecular structure, and nuclear magnetic resonance properties of  $[6,9\text{-}(\eta^6\text{-pym})_2\text{-nido-}6,9\text{-Ru}_2\text{B}_8\text{H}_{12}]$  (M. Bown and J.M. Waters), 43

Ruthenium complex-catalyzed novel transformation of alkyl formates (T. Kondo, S. Kajiji, S. Tantanon and Y. Watanabe), 83

## Selenium

Synthesis and structure of bis(pentamethylcyclopentadienyl)-selenium (C.M. Bates, C.P. Morley, M.B. Hursthouse and K.M.A. Malik), C60

## Silane

Direct synthesis of ethylmethoxysilanes by the liquid-phase reaction of silicon, methanol and ethylene (M. Okamoto, N. Watanabe, E. Suzuki and Y. Ono), C12

## Silatrane compounds

Synthesis and characterization of (4S)-1-chloroalkylsilatrane-4-carboxylic acids; crystal structures of (3R,4S)-1-chloromethyl-3-methylsilatrane-4-carboxylic acid and (3R,4S)-1-(3-chloropropyl)-3-methylsilatrane-4-carboxylic acid (Z.-R. Lu, R.-X. Zhuo, L.-R. Shen, X.-D. Zhang and L.-F. Shen), C38

## Silicon

Addition of dimethylphenylsilyl cuprates to vinyl epoxides: Effect of cuprate stoichiometry on stereochemistry and regiochemistry (D.L.J. Clive, C. Zhang, Y. Zhou and Y. Tao), C35

ArF laser photolysis of tetraethyl- and tetravinyl-silane (J. Pola, J.P. Parsons and R. Taylor), C9

Direct synthesis of ethylmethoxysilanes by the liquid-phase reaction of silicon, methanol and ethylene (M. Okamoto, N. Watanabe, E. Suzuki and Y. Ono), C12

Formation of 1,1,12,12-Tetramethyl[1.1]silaferrocenophane and poly(ferrocenylsilane) in the reaction of ferrous chloride with the dilithium salt of dicyclopentadienyldimethylsilanes (J. Park, Y. Seo, S. Cho, D. Whang, K. Kim and T. Chang), 23

- Funktionalisierte Octa-(propylsilsesquioxane)(3- $\text{XC}_3\text{H}_6$ ) $_8(\text{Si}_8\text{O}_{12})$  Modellverbindungen für oberflächenmodifizierte Kieselgele (U. Dittmar, B.J. Hendan, U. Flörke und H.C. Marsmann), 185
- Photoelectron spectroscopic study of novel Group 14 functionalized vinylcyclopropenes (M. Eckert-Maksić, M. Golić and L. Paša-Tolić), 35
- Polymeric organosilicon systems. XXIII. Synthesis and photochemical and thermal properties of (*E*)- and (*Z*)-poly[(disilanylene)ethylenes] (J. Ohshita, D. Kanaya, T. Watanabe and M. Ishikawa), 165
- Preparation of ( $^1\text{PrMe}_2\text{Si}$ ) $_3\text{CH}$  and its use as a source of the bulky ligand ( $^1\text{PrMe}_2\text{Si}$ ) $_3\text{C}$  (A.I. Almansour and C. Eaborn), 181
- Siloxanes from the hydrolysis of isopropyltrimethoxysilane (J.K. Crandall and C. Morel-Fourrier), 5
- Synthesis and characterization of (4*S*)-1-chloroalkylsilatrane-4-carboxylic acids; crystal structures of (3*R*,4*S*)-1-chloromethyl-3-methylsilatrane-4-carboxylic acid and (3*R*,4*S*)-1-(3-chloropropyl)-3-methylsilatrane-4-carboxylic acid (Z.-R. Lu, R.-X. Zhuo, L.-R. Shen, X.-D. Zhang and L.-F. Shen), C38
- Synthesis and structures of the mononuclear iron(II) dialkyl  $\text{FeR}_2$  and the iron(II) dithiolate complex  $[\text{Fe}(\text{SAr})_2(\text{RH})]$  [ $\text{R} = \text{C}(\text{SiMe}_3)_2\text{C}_5\text{H}_4\text{N}-2$ ;  $\text{Ar} = 2,4,6\text{-}^1\text{Bu}_3\text{C}_6\text{H}_2$ ] (H.K. Lee, B.-S. Luo, T.C.W. Mak and W.-P. Leung), C71
- Synthesis of sandwich and half-sandwich complexes of Ti, Zr and Hf containing  $\eta^5\text{-C}_5\text{H}_4\text{SiMe}_2\text{Cl}$  ligand. Molecular structure of  $[\text{TiCl}_2(\mu\text{-OSiMe}_2\text{-}\eta^5\text{-C}_5\text{H}_4)]_2$  (A.V. Churakov, D.A. Lemenovskii and L.G. Kuz'mina), C81
- Synthesis of silylene–phenylene and silylene–thienylene copolymers and their optical properties (M.-C. Fang, A. Watanabe and M. Matsuda), 15
- The effect of  $\alpha$ -chloro substitution on the reactivity of  $\beta$ -functional silanes (S. Bratt and A.W.P. Jarvie), C26
- Silicon carbide  
ArF laser photolysis of tetraethyl- and tetravinyl-silane (J. Pola, J.P. Parsons and R. Taylor), C9
- Siloxanes  
Siloxanes from the hydrolysis of isopropyltrimethoxysilane (J.K. Crandall and C. Morel-Fourrier), 5
- Silylene  
Direct synthesis of ethylmethoxysilanes by the liquid-phase reaction of silicon, methanol and ethylene (M. Okamoto, N. Watanabe, E. Suzuki and Y. Ono), C12
- Silylene–phenylene  
Synthesis of silylene–phenylene and silylene–thienylene copolymers and their optical properties (M.-C. Fang, A. Watanabe and M. Matsuda), 15
- Silylene–thienylene  
Synthesis of silylene–phenylene and silylene–thienylene copolymers and their optical properties (M.-C. Fang, A. Watanabe and M. Matsuda), 15
- Silylformylation  
Ring-opening silylformylation of oxetanes catalyzed by  $[\text{RhCl}(\text{CO})_2]_2$ -amine (Y. Fukumoto, S. Yamaguchi, N. Chatani and S. Murai), 215
- Solvent effects  
Fine-tuning electrophilicity of cationic tricarbonyliron complexes (A.V. Malkov and G.R. Stephenson), C44
- Stereochemistry  
Addition of dimethylphenylsilyl cuprates to vinyl epoxides: Effect of cuprate stoichiometry on stereochemistry and regiochemistry (D.L.J. Clive, C. Zhang, Y. Zhou and Y. Tao), C35
- Steric hindrance  
Preparation of ( $^1\text{PrMe}_2\text{Si}$ ) $_3\text{CH}$  and its use as a source of the bulky ligand ( $^1\text{PrMe}_2\text{Si}$ ) $_3\text{C}$  (A.I. Almansour and C. Eaborn), 181
- Synthesis  
[( $\text{C}_5\text{H}_5$ ) $\text{Fe}(\text{C}_5\text{H}_4\text{CH}_2\text{NMe}_2)$ ] as a promoter for the synthesis of the 1,2-disubstituted ferrocenyl aldehydes [( $\text{C}_5\text{H}_5$ ) $\text{Fe}(1,2\text{-C}_5\text{H}_3(\text{CHO})(\text{CH}_2\text{NMe}_2))$ ] and [( $\text{C}_5\text{H}_5$ ) $\text{Fe}(1,2\text{-C}_5\text{H}_3(\text{CHO})\text{-CH}_2\text{NMe}(\text{CH}_2)_2\text{OCH}=\text{CH}_2)$ ] (B. Delavaux-Nicot, Y. Guari and R. Mathieu), C87
- Synthesis and properties  
A novel intramolecular cyclization reaction. Synthesis and properties of 5- and 8-membered germalactones (Y. Guan, J. Zou and Z. Zhu), C52
- Tantalum  
Synthesis and reactivity of the phosphido-bridged complex  $[\text{Cp}_2\text{Ta}(\mu\text{-CO})(\mu\text{-PMe}_2)\text{Cr}(\text{CO})_4]$  (G. Boni, P. Sauvageot and C. Moïse), C32
- Tetraethylsilane  
ArF laser photolysis of tetraethyl- and tetravinyl-silane (J. Pola, J.P. Parsons and R. Taylor), C9
- Tetravinylsilane  
ArF laser photolysis of tetraethyl- and tetravinyl-silane (J. Pola, J.P. Parsons and R. Taylor), C9
- Thermochromism  
Synthesis of silylene–phenylene and silylene–thienylene copolymers and their optical properties (M.-C. Fang, A. Watanabe and M. Matsuda), 15
- Thiolate  
Synthesis and structures of the mononuclear iron(II) dialkyl  $\text{FeR}_2$  and the iron(II) dithiolate complex  $[\text{Fe}(\text{SAr})_2(\text{RH})]$  [ $\text{R} = \text{C}(\text{SiMe}_3)_2\text{C}_5\text{H}_4\text{N}-2$ ;  $\text{Ar} = 2,4,6\text{-}^1\text{Bu}_3\text{C}_6\text{H}_2$ ] (H.K. Lee, B.-S. Luo, T.C.W. Mak and W.-P. Leung), C71
- Tin  
Photochemical reaction of  $\text{W}(\text{CO})_6$  with  $\text{SnCl}_4$ . I. Synthesis and X-ray structure of tri- $\mu$ -chloro-trichlorostannate-heptacarbonylditungsten(II)  $[(\text{CO})_4\text{W}(\mu\text{-Cl})_3\text{W}(\text{SnCl}_3)(\text{CO})_3]$  (T. Szymańska-Buzar and T. Głowiak), 207
- Photoelectron spectroscopic study of novel Group 14 functionalized vinylcyclopropenes (M. Eckert-Maksić, M. Golić and L. Paša-Tolić), 35
- Rhodium complexes with diimines derived from glyoxal: crystal structure of  $[\text{Rh}(\text{SnCl}_3)(\text{NBD})(\text{GCH})]$  (NBD = norbornadiene; GCH = glyoxal bis(cyclohexylimine) (M. Bikrani, M.A. Garralda, L. Ibarlucea and E. Pinilla), 93
- X-ray and NMR study of the structure of the organotin carbohydrate: 6-Deoxy-1,2-*O*-isopropylidene-6-(triphenylstannyl)- $\alpha$ -D-glucopyranose (P.J. Cox, R.A. Howie, O.A. Melvin and J.L. Wardell), 161
- Titanium  
Conversion of trifluoromethyl carbonyl compounds to the corresponding vinylsilanes with cyclopentadienyltris(trimethylsilylmethyl)titanium(IV) (J.-P. Bégué and M.H. Rock), C7
- Functionally substituted derivatives of ( $\eta^5$ -cyclopentadienyl)triisopropoxytitanium and ( $\eta^5$ -cyclopentadienyl)trichlorotitanium (S. Barry, A. Kucht, H. Kucht and M.D. Rausch), 195
- Synthesis of sandwich and half-sandwich complexes of Ti, Zr and Hf containing  $\eta^5\text{-C}_5\text{H}_4\text{SiMe}_2\text{Cl}$  ligand. Molecular structure of  $[\text{TiCl}_2(\mu\text{-OSiMe}_2\text{-}\eta^5\text{-C}_5\text{H}_4)]_2$  (A.V. Churakov, D.A. Lemenovskii and L.G. Kuz'mina), C81
- The synthesis, characterizations and structures of Group 4 metal–chromium complexes bridged by an  $\text{OC}_6\text{H}_4\text{CH}_3$  group (T.-Y. Huang, C.-T. Chen and H.-M. Gau), 63
- Trichlorostannate  
Rhodium complexes with diimines derived from glyoxal: crystal



- structure of [Rh(SnCl<sub>3</sub>)(NBD)(GCH)] (NBD = norbornadiene; GCH = glyoxal bis(cyclohexylimine) (M. Bikrani, M.A. Garralda, L. Ibarlucea and E. Pinilla), 93
- (Trifluoromethyl)copper complexes  
Electrosynthesis of (trifluoromethyl)copper complexes from bromotrifluoromethane: reactivities with various organic halides (J.M. Paratian, E. Labbé, S. Sibille and J. Périchon), 137
- Trifluoromethyl derivatives  
Electrosynthesis of (trifluoromethyl)copper complexes from bromotrifluoromethane: reactivities with various organic halides (J.M. Paratian, E. Labbé, S. Sibille and J. Périchon), 137
- (Trifluoromethyl)-vinylsilanes  
Conversion of trifluoromethyl carbonyl compounds to the corresponding vinylsilanes with cyclopentadienyltris(trimethylsilylmethyl)titanium(IV) (J.-P. Bégue and M.H. Rock), C7
- Tris(2,6-dimethoxyphenyl)phosphine  
Arene ruthenium(II) complexes coordinated by phosphino and two phenoxide groups in tris(2,6-dimethoxyphenyl)phosphine: crystal structure of ( $\eta^6$ -1,2,3,4-Me<sub>4</sub>C<sub>6</sub>H<sub>2</sub>)Ru[P(2,6-(MeO)<sub>2</sub>-C<sub>6</sub>H<sub>3</sub>][2-O-6-MeOC<sub>6</sub>H<sub>3</sub>]<sub>2</sub>)] (Y. Yamamoto, R. Sato, M. Ohshima, F. Matsuo and C. Sudoh), C68
- Tungsten  
Conjugative effects in W(CO)<sub>5</sub> complexed phosphirane rings illustrated by substituent effects on <sup>31</sup>P NMR chemical shifts (J.-T. Hung and K. Lammertsmå), 1  
New Fe-Mo and Fe-W fulvalene-bridged heterobimetallic complexes containing the ferrocenyl unit. Crystal structure of [( $\eta$ -C<sub>5</sub>H<sub>5</sub>)Fe( $\mu$ - $\eta$ : $\eta$ -C<sub>5</sub>H<sub>4</sub>Ind)Mo(CO)<sub>2</sub>( $\eta$ -C<sub>3</sub>H<sub>5</sub>)] (Ind = 1-indenyl) (S. Wan, M.J. Begley and P. Mountford), C28  
Photochemical reaction of W(CO)<sub>6</sub> with SnCl<sub>4</sub>. I. Synthesis and X-ray structure of tri- $\mu$ -chloro-trichlorostannate-heptacarbonylditungsten(II) [(CO)<sub>4</sub>W( $\mu$ -Cl)<sub>3</sub>W(SnCl<sub>3</sub>)(CO)<sub>3</sub>] (T. Szymańska-Buzar and T. Glowiak), 207  
Pyrolyse von Übergangsmetallkomplexen: Darstellung von Metallcarbiden (MC, M<sub>2</sub>C) aus metallorganischen Verbindungen (H. Lang, S. Blau, G. Rheinwald und G. Wildermuth), C17  
Reaktionen von Komplexliganden. LXIII. Diethylzink-induzierte Dimerisierung von Alkylcarbenliganden: Regioselektive Synthese eines Cyclopentenyliden-Komplexes (K.H. Dötz, C. Christoffers und P. Knochel), C84  
Stepwise synthesis of "trimetallic" dithiophosphinato clusters containing a cubane-type Mo<sub>2</sub>WCuS<sub>4</sub> cluster core (H. Diller, H. Keck, H. Wunderlich and W. Kuchen), 123  
Synthesis, structure and substitution reactions of the binuclear phosphido-bridged complex Cp(CO)<sub>2</sub>W( $\mu$ -PPh<sub>2</sub>)W(CO)<sub>5</sub> (S.-G. Shyu, W.-J. Wu, Y.-S. Wen, S.-M. Peng and G.-H. Lee), 113
- Vanadium  
Stereospecific protonation of coordinated alkynes (R.A. Henderson, D.J. Lowe and P. Salisbury), C22
- Vinyl  
Stereospecific protonation of coordinated alkynes (R.A. Henderson, D.J. Lowe and P. Salisbury), C22
- Vinylcyclopropenes  
Photoelectron spectroscopic study of novel Group 14 functionalized vinylcyclopropenes (M. Eckert-Maksić, M. Golić and L. Paša-Tolić), 35
- Vinyl epoxide  
Addition of dimethylphenylsilyl cuprates to vinyl epoxides: Effect of cuprate stoichiometry on stereochemistry and regiochemistry (D.L.J. Clive, C. Zhang, Y. Zhou and Y. Tao), C35
- Vinylpyridines  
Remarkable  $\alpha$ -regioselectivity in the rhodium-catalyzed hydroformylation of 2-vinylpyridine (R. Settambolo, S. Pucci, S. Bertozzi and R. Lazzaroni), C50
- Vinylsilanes  
Conversion of trifluoromethyl carbonyl compounds to the corresponding vinylsilanes with cyclopentadienyltris(trimethylsilylmethyl)titanium(IV) (J.-P. Bégue and M.H. Rock), C7
- Vis-UV  
Carboxylation of gaseous alkanes with CO catalyzed by Pd-Cu-based catalysts: a spectroscopic study (K. Nakata, T. Miyata, Y. Taniguchi, K. Takaki and Y. Fujiwara), 71
- X-ray diffraction  
Formation of 1,1,12,12-Tetramethyl[1.1]silaferrocenophane and poly(ferrocenylsilane) in the reaction of ferrous chloride with the dilithium salt of dicyclopentadienyldimethylsilanes (J. Park, Y. Seo, S. Cho, D. Whang, K. Kim and T. Chang), 23  
Reactions between tetraalkyldiboranes(6) and disilazanes – A convenient route to N-silylamino-dialkylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 201  
X-ray and NMR study of the structure of the organotin carbohydrate: 6-Deoxy-1,2-O-isopropylidene-6-(triphenylstannyl)- $\alpha$ -D-glucopyranose (P.J. Cox, R.A. Howie, O.A. Melvin and J.L. Wardell), 161
- X-ray structure  
 $\eta^3$ -Allyl molybdenum dithiophosphate and dithiophosphinate complexes with uni- and bidentate nitrogen donor ligands. X-ray structure of [Mo<sub>2</sub>( $\eta^3$ -C<sub>3</sub>H<sub>5</sub>)<sub>2</sub>(CO)<sub>4</sub>(S<sub>2</sub>P(OEt)<sub>2</sub>)<sub>2</sub>( $\mu$ -NH<sub>2</sub>NH<sub>2</sub>)] (G. Barrado, D. Miguel, V. Riera and S. García-Granda), 129  
An intramolecularly base-stabilized monomeric organoaluminum dihydride (L. Contreras, A.H. Cowley, F.P. Gabbai, R.A. Jones, C.J. Carrano and M.R. Bond), C1  
Binuclear complexes of La(III) and Eu(II) with the bridging naphthalene dianion. Synthesis and X-ray crystallographic analysis of [ $\mu_2$ - $\eta^4$ : $\eta^4$ -C<sub>10</sub>H<sub>8</sub>][LaI<sub>2</sub>(THF)<sub>3</sub>]<sub>2</sub> and [ $\mu_2$ - $\eta^4$ : $\eta^4$ -C<sub>10</sub>H<sub>8</sub>][Eu(DME)<sub>2</sub>]<sub>2</sub> (I.L. Fedushkin, M.N. Bochkarev, H. Schumann, L. Esser and G. Kociok-Köhn), 145  
Funktionalisierte Octa-(propylsilsesquioxane)(3- $\text{XC}_3\text{H}_6$ )<sub>8</sub>(Si<sub>8</sub>O<sub>12</sub>) Modellverbindungen für oberflächenmodifizierte Kieselgele (U. Dittmar, B.J. Hendan, U. Flörke und H.C. Marsmann), 185  
Reaktionen am koordinierten Trichlormethylisocyanid VI. Synthese und Reaktionen von Pentacarbonyl[tris(imidazol-1-yl)methylisocyanid]chrom (S. Ahn, W. Sperber und W.P. Fehlhammer), 27  
Rhodium complexes with diimines derived from glyoxal: crystal structure of [Rh(SnCl<sub>3</sub>)(NBD)(GCH)] (NBD = norbornadiene; GCH = glyoxal bis(cyclohexylimine) (M. Bikrani, M.A. Garralda, L. Ibarlucea and E. Pinilla), 93
- Zirconium  
Monoindenyl halides of zirconium and hafnium. The preparation of [( $\eta^5$ -C<sub>9</sub>H<sub>7</sub>)ZrCl<sub>3</sub>]<sub>n</sub> and [( $\eta^5$ -C<sub>9</sub>H<sub>7</sub>)HfCl<sub>2</sub>( $\mu$ -Cl)]<sub>2</sub> and the crystal structure of [( $\eta^5$ -C<sub>9</sub>H<sub>7</sub>)HfCl<sub>2</sub>( $\mu$ -Cl)]<sub>2</sub> (S.L. Shaw, R.J. Morris and J.C. Huffman), C4  
Synthesis of sandwich and half-sandwich complexes of Ti, Zr and Hf containing  $\eta^5$ -C<sub>5</sub>H<sub>4</sub>SiMe<sub>2</sub>Cl ligand. Molecular structure of [TiCl<sub>2</sub>( $\mu$ -OSiMe<sub>2</sub>- $\eta^5$ -C<sub>5</sub>H<sub>4</sub>)]<sub>2</sub> (A.V. Churakov, D.A. Lemenovskii and L.G. Kuz'mina), C81  
The synthesis, characterizations and structures of Group 4 metal–chromium complexes bridged by an OC<sub>6</sub>H<sub>4</sub>CH<sub>3</sub> group (T.-Y. Huang, C.-T. Chen and H.-M. Gau), 63
- Book Reviews  
*Chemistry of Iron*, J. Silver (ed.) (J.D. Smith), C95  
*Coordination Chemistry of Aluminium*, G.H. Robinson (ed.) (J.D. Smith), C92

*Gmelin Handbook of Inorganic and Organometallic Chemistry, 8th Edition, Gallium Supplement Volume D1*, J.-C. Maire, K. Greiner, M. Kotowski, V. Kruppa, M. Mirbach, E. Schleitzer-Rust and D. Tille (J.D. Smith), C93

*Gmelin–Durrer Metallurgy of Iron Vol 11 practice of Steelmaking 5 Continuous Casting*, H. Hiebler (ed.) (J.D. Smith), C95

*Lanthanides in Organic Synthesis*, Tsuneo Imamoto (M.F. Lapert), C94

*New Aspects of Organic Chemistry II: Organic Synthesis for Materials and Life Sciences*, Z. Yoshida and Y. Ohshiro (eds.) (S.G. Davies), C91

*Tellurium in Organic Synthesis*, N. Petragnani (W.R. McWhinnie), C96

*Transition Metals in the Synthesis of Complex Organic Molecules*, Louis S. Hegedus (J.R. Hanson), C93