

## Contents of Volume 641

### Special Issue: Interactions of $\pi$ -Systems with Metals

Preface	1
Interaction of cyclic thiadiynes with CpCo(COD) — selectivity and reactivity R. Gleiter, J. Classen, B.J. Rausch, T. Oeser, F. Rominger	3
Reactions of cyclopentadienylmolybdenum compounds with bismuth alkoxides M. Hunger, C. Limberg, E. Kaifer, P. Rutsch	9
Electronic coupling in covalently-linked M–M quadruple bonds: $M_2\delta$ to ligand $\pi$ conjugation M.H. Chisholm	15
Regioselective hydrostannations catalyzed by molybdenum isonitrile complexes S. Braune, U. Kazmaier	26
Development of new palladium catalysts for the alkoxy carbonylation of aryl chlorides W. Mägerlein, A.F. Indolese, M. Beller	30
Bi- and oligometallic early and late transition metal complexes based on alkynyl-titanocenes and related species spanned by carbon rich $\pi$ -systems H. Lang, T. Stein	41
Syntheses and structures of monoplatinum model complexes for diplatinum polyynediyl adducts $L_nPt(C\equiv C)_2PtL_n$ T.B. Peters, Q. Zheng, J. Stahl, J.C. Bohling, A.M. Arif, F. Hampel, J.A. Gladysz	53
$C_2$ -Bridged sandwich and half-sandwich entities with Ti(IV) and Cr(0) centers S. Köcher, H. Lang	62
Isomerism of $(\pi$ -1,3-dimethylallyl)(phosphinooxazoline)Pd complexes: a comparison between experiment and theory J. Vázquez, B. Goldfuss, G. Helmchen	67
Structural and mechanistic studies of the copper(II)-assisted <i>ortho</i> -hydroxylation of benzoates by trimethylamine N-oxide W. Buijs, P. Comba, D. Corneli, H. Pritzkow	71
Coordination chemistry of neutral quinolyl- and aminophenylcyclopentadiene derivatives M. Enders, P. Fernández, M. Kaschke, G. Kohl, G. Ludwig, H. Pritzkow, R. Rudolph	81
Chiral arene ruthenium complexes: Part 3. [Ruthenium( $\eta^6$ -arene)( $\eta^4$ -1,5-cyclooctadiene)] complexes with N or O donor functions in the arene side chain G. Bodes, F.W. Heinemann, G. Marconi, S. Neumann, U. Zenneck	90
$(\eta^5$ -Cyclopentadienyl)[ $\eta^2$ -bis( <i>tert</i> -butylsulfonyl)acetylene](carbonyl)cobalt: An electrophilic reagent to yield CpCo-stabilized cyclobutadiene derivatives C. Benisch, R. Gleiter, T.H. Staeb, B. Nuber, T. Oeser, H. Pritzkow, F. Rominger	102
Combining organometallic and Werner-type coordination sites in highly preorganized heterobimetallic systems J.C. Röder, F. Meyer, R.F. Winter, E. Kaifer	113
Isolation of a stable Cr(V) intermediate in the oxidation of aryl-substituted alkenes by chromylchloride T. Strassner, M. Muehlhofer, S. Grasser	121
Recent studies on alkynyl complexes of the Group 11 and 12 metals D.M.P. Mingos, R. Vilar, D. Rais	126

Alkynylcarbyne complexes containing various tri- and bidentate ligands such as cyclopentadienide, tris(pyrazolyl)borate, bis(pyrazolyl)acetate and tmeda: synthesis and spectroscopic properties B. Schwenzer, J. Schleu, N. Burzlaff, C. Karl, H. Fischer . . . . .	134
Facial coordination of cyclooctatetraene to a Co <sub>2</sub> Ni triangle in a heterometallic trinuclear cluster complex H. Wadepohl, S. Gebert, R. Merkel, H. Pritzkow . . . . .	142
Synthesis and structural characterization of [H(OEt) <sub>2</sub> ] <sup>+</sup> [(C <sub>3</sub> H <sub>3</sub> N <sub>2</sub> ) <sub>3</sub> B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> ] <sup>-</sup> — a Brønsted acid with an imidazole-derived ‘non-coordinating’ anion D. Vagedes, G. Erker, R. Fröhlich . . . . .	148
Reactions of methyl(phenyl)silylene with CO and PH <sub>3</sub> —the formation of acid–base complexes H. Bornemann, W. Sander . . . . .	156
Supported organometallic complexes: Part XXX. Hydroformylation of 1-hexene in interphases — the influence of different kinds of inorganic–organic hybrid co-condensation agents on the catalytic activity E. Lindner, T. Salesch, S. Brugger, F. Hoehn, P. Wegner, H.A. Mayer . . . . .	165
η <sup>1</sup> -Alkynylplatinum(II) complexes with cycloocta-1,5-diene and tri(1-cyclohepta-2,4,6-trienyl)phosphane ligands M. Herberhold, T. Schmalz, W. Milius, B. Wrackmeyer . . . . .	173
Reactions of complex ligands: Part 94. Chromium-templated angular versus linear benzannulation of dibenzofuran and haptotropic metal migration in tetracyclic fused arenes H.C. Jahr, M. Nieger, K.H. Dötz . . . . .	185
Metal complexes of anionic 3-borane-1-alkylimidazol-2-ylidene derivatives A. Wacker, C.G. Yan, G. Kaltenpoth, A. Ginsberg, A.M. Arif, R.D. Ernst, H. Pritzkow, W. Siebert . . . . .	195
A tertiary phosphine that is too bulky: preparation of catalytically less active carbene and vinylidene ruthenium(II) complexes W. Stüer, J. Wolf, H. Werner . . . . .	203
Metal π complexes of benzene derivatives: Part 56. (η <sup>6</sup> -Fluoranthene)(tricarbonyl)chromium: isomerism and haptotropic equilibration Y. Oprunenko, S. Malyugina, A. Vasil’ko, K. Lyssenko, C. Elschenbroich, K. Harms . . . . .	208
Formation of novel unsaturated fluorinated ligands by metal induced C–C coupling reaction of difluoroallene with fluoromethylidene ligands of Fe <sub>3</sub> (CO) <sub>9</sub> (μ <sub>3</sub> -CF) <sub>2</sub> D. Lentz, S. Willemsen . . . . .	215
An ‘Old Hydride’ in a new synthesis: a convenient approach to Grubbs-type carbene complexes (PPh <sub>3</sub> ) <sub>2</sub> Cl <sub>2</sub> Ru=CH–CH=CR <sub>2</sub> and their hexacoordinate acetonitrile adducts M.A.O. Volland, F. Rominger, F. Eisenträger, P. Hofmann . . . . .	220
Strain in organometallics: synthesis of rhodium and iridium complexes with a novel rigid tetrachelating phosphine olefin ligand and their redox properties C. Laporte, C. Böhrer, H. Schönberg, H. Grützmacher . . . . .	227
Author Index of Volume 641 . . . . .	235
Subject Index of Volume 641 . . . . .	237
Contents of Volume 641 . . . . .	243