



ELSEVIER

Journal of Organometallic Chemistry 652 (2002) 117

Journal  
of Organo  
metallic  
Chemistry

www.elsevier.com/locate/jorganchem

## Contents of Volume 652

## Special Issue: Frontiers in Organometallic Chemistry

Foreword	1
<b>Mini Review</b>	
A new approach to photophysical properties control of main group element $\pi$ -electron compounds based on the coordination number change S. Yamaguchi, S. Akiyama, K. Tamao	3
<b>Regular papers</b>	
Applications of boron–nitrogen and boron–phosphorus adducts in organometallic chemistry K. Ma, M. Scheibitz, S. Scholz, M. Wagner	11
A simple route to (tetraethynylcyclobutadiene)cyclopentadienylcobalt M. Laskoski, J.G.M. Morton, M.D. Smith, U.H.F. Bunz	21
Regioselective penta-addition of 1-alkenyl copper reagent to [60]fullerene. Synthesis of penta-alkenyl FCp ligand M. Sawamura, N. Nagahama, M. Toganoh, E. Nakamura	31
The syntheses and structures of coordinatively unsaturated aryloxy-hydride complexes of molybdenum, $\text{Mo}(\text{PMe}_3)_4(\text{OAr})\text{H}$ : reversible C–H bond activation and comparison with their tungsten analogues T. Hascall, V.J. Murphy, K.E. Janak, G. Parkin	37
The catalytic synthesis of thiocrowns from thiiiranes by Group VI and VII transition metal carbonyl complexes R.D. Adams, K.M. Brosius, O.-S. Kwon	51
Recent advances in f element reduction chemistry W.J. Evans	61
Synthesis, physicochemical and electrochemical properties of metal–metal bonded ruthenium corrole homodimers K.M. Kadish, F. Burdet, F. Jérôme, J.-M. Barbe, Z. Ou, J. Shao, R. Guillard	69
Rhodium(I) catalysed diboration of ( <i>E</i> )-styrylboronate esters: molecular structures of ( <i>E</i> )- <i>p</i> -MeO–C <sub>6</sub> H <sub>4</sub> –CH=CH–B(1,2-O <sub>2</sub> C <sub>6</sub> H <sub>4</sub> ) and <i>p</i> -MeO–C <sub>6</sub> H <sub>4</sub> –CH <sub>2</sub> C{B(1,2-O <sub>2</sub> C <sub>6</sub> H <sub>4</sub> ) <sub>3</sub> P. Nguyen, R.B. Coapes, A.D. Woodward, N.J. Taylor, J.M. Burke, J.A.K. Howard, T.B. Marder	77
Directing role of anions in the syntheses of the silver–alkynyl cages $[\text{Ag}_{14}(\text{C}\equiv\text{C}'\text{Bu})_{12}\text{X}][\text{BF}_4]$ (X = F, Cl, Br) and silver–alkynyl polymers $[\text{Ag}_3(\text{C}\equiv\text{C}'\text{Bu})_2(\text{X})]_n$ (X = Tos, NO <sub>3</sub> ) D. Rais, D.M.P. Mingos, R. Vilar, A.J.P. White, D.J. Williams	87
Photochemical intermediates of <i>trans</i> -Rh(CO)L <sub>2</sub> Cl where L = PMe <sub>3</sub> , PBu <sub>3</sub> , and <i>i</i> -Pr <sub>2</sub> HN and <i>cis</i> -Rh(CO) <sub>2</sub> ( <i>i</i> -Pr <sub>2</sub> HN)Cl in frozen organic glasses T.E. Bitterwolf, W.B. Scallorn, J.T. Bays, C.A. Weiss, J.C. Linehan, J. Franz, R. Poli	95
Transition metal hydrides as active intermediates in hydrogen transfer reactions J.-E. Bäckvall	105
Author Index of Volume 652	113
Subject Index of Volume 652	115
Contents of Volume 652	117