



COMPREHENSIVE ORGANOMETALLIC CHEMISTRY III

Editors-in-Chief

Robert H. Crabtree & D. Michael P. Mingos

Volume

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Cumulative Subject Index



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Volume 13



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Editor of Volume 1



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Editor of Volume 2

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Editor of Volume 3



Catherine E. Housecroft was born in Bradford (UK) and studied at the University of Durham where she obtained a BSc (1976) and PhD (with Ken Wade, 1979) in chemistry. After a postdoctoral period with Tom Fehner (University of Notre Dame), she was an Assistant Professor at the University of New Hampshire before moving to the University of Cambridge (Fellow of Newnham College), where she held a Royal Society University Research Fellowship before becoming a University Lecturer. In 1993, she moved to the University of Basel where (apart from two years at Birmingham University) she has remained and is currently a Professor of Chemistry. Research interests span organometallic, coordination and supramolecular chemistries. In addition to over 250 research publications and reviews, she is the author of a number of textbooks. She is also an editor of *Polyhedron* and has been a volume editor both for COMCII and COMCIII.

Editor of Volume 4



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Editor of Volume 5



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Editor of Volume 6



Michael Bruce was born in London and educated at the Universities of Oxford (MA, 1967; Honours with the late Luigi Venanzi) and Bristol (Ph.D., 1967, under the direction of Gordon Stone; D.Sc., 1977). After a period as lecturer at Bristol, he took up the Chair of Inorganic Chemistry at the University of Adelaide, South Australia. In 1982, he became the Angas Professor of Chemistry, and between 1988–1990 was Dean of Science at the same university. He has received awards from the Royal Australian Chemical Institute (H.G. Smith and Burrows) and was elected Fellow of the Australian Academy of Science in 1989. Most recently, he received the David Craig Medal from the Academy and an Honorary Doctorate from the Université de Rennes 1. He has occupied visiting appointments at the Universities of Cambridge, British Columbia, Neuchâtel, and Rennes 1, and at Louis Pasteur Université, Strasbourg, and the Institute of Organo-Element Compounds, Moscow.

His research has been mainly in (i) molecules with unusual architectures (rods, squares, rectangles); (ii) development of the chemistry of homo- and hetero-metallic cluster compounds with particular relevance to reactions of cluster-bound molecules; (iii) complexes containing metal-carbon σ bonds, particularly those containing unsaturated groups and long chains; (iv) the chemistry of fluoro-organic complexes and cyclometallated derivatives of transition metals; (v) applications of mass spectrometry to the analysis and characterisation of inorganic and organometallic compounds using electron impact and fast atom bombardment techniques. Studies of natural and synthetic plant cell-division inducers (cytokinins) were initiated at CSIRO's Division of Plant Industry, Canberra (1962–64), and led to the discovery of an extensive new class of synthetic materials of this type.

Editor of Volume 7



Carmen Claver is Professor of Inorganic Chemistry at the University Rovira i Virgili in Tarragona (Spain), a position she has held since 1991. She received her Ph. D. in 1978 from the University of Zaragoza (Spain) working in the field of organometallic chemistry with Luis A. Oro. Her research is aimed at the development of novel organometallic complexes for transition metal homogeneous catalysis, covering the synthesis of ligands and complexes and characterization of intermediates, focusing mainly on their application in asymmetric catalysis and polymerisation processes.

Editor of Volume 8



Allan Canty received a PhD degree from Monash University in 1971, subsequently DSc in 1993, and after a year as an 1851 Scholar with Lord Lewis in Cambridge, in 1972 he joined the faculty at the University of Tasmania, where he is now Professor of Chemistry. His research activities have covered a broad spectrum of fundamental and applied chemistry, encompassing bioinorganic, coordination and organometallic chemistry and, in particular, the development of fundamental aspects of organopalladium(IV) chemistry and organoplatinum(IV) chemistry with an emphasis on understanding mechanisms of catalysis.

Editor of Volume 9



Paul Knochel was born in 1955 in Strasbourg (France), and did his undergraduate studies at the University of Strasbourg and his Ph.D at the ETH-Zürich with Prof. D. Seebach. He spent 4 years at the CNRS at the University Pierre and Marie Curie at Paris with Prof. J.-F. Normant and one year of post-doctoral studies at Princeton University in the laboratory of Prof. M. F. Semmelhack. In 1987, he accepted a position as Assistant Professor at the University of Michigan at Ann Arbor, Michigan. In 1991, he became Full Professor at this University and in 1992, he moved to Marburg at the Philipps-University as C4-Professor in Organic Chemistry. He moved in 1999, to the Chemistry Department of the Ludwig-Maximilians-University at Munich. His research interests are the development of new synthetic methods for organic and heterocyclic chemistry using organometallic catalysts and reagents, and the development of new reagents for asymmetric catalysis. Applications of these new methods to natural product synthesis is also studied.

Editor of Volume 10



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Editor of Volume 11



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Editor of Volume 12



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Cumulative Subject Index

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