



COMPREHENSIVE ORGANOMETALLIC CHEMISTRY III

Editors-in-Chief
Robert H. Crabtree & D. Michael P. Mingos

Volume

13

Cumulative Subject Index



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Editors-in-Chief

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Volume 13



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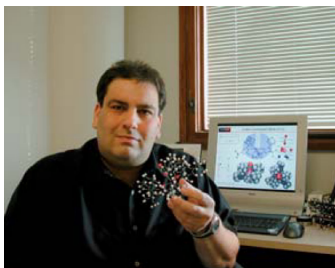
Editor of Volume 1



Gerard Parkin received his B.A., M.A., and D.Phil degrees from the Queen's College, Oxford University. Both his graduate and undergraduate research studies were carried out under the guidance of Professor Malcolm L. H. Green. In 1985, he moved to the California Institute of Technology as a NATO postdoctoral fellow to work with Professor John E. Bercaw. He joined the faculty of Columbia University as Assistant Professor in 1988 and was promoted to Associate Professor in 1991 and to Professor in 1994. He served as Chairman of the Department from 1999 – 2002. His principal research interests are in the areas of synthetic, structural, and mechanistic inorganic chemistry. Among other awards, he is a recipient of the Presidential Faculty Fellowship Award, the American Chemical Society Award in Pure Chemistry, the Royal Society of Chemistry Corday-Morgan Medal, and the Royal Society of Chemistry Award in Organometallic Chemistry.

Editor of Volume 2

Karsten Meyer was born in 1968 in Herne, Germany. In May 1995, he received his diploma in chemistry from the Ruhr-University Bochum. He then began his graduate education under the direction of Professor Karl Wieghardt at the Max-Planck-Institute for Bioinorganic Chemistry in Mülheim/Ruhr. Dr. Meyer's thesis work involved the



synthesis and spectroscopic investigation of transition metal nitrido complexes. He received his doctoral degree in January 1998, which was awarded with distinction. Supported by a DFG postdoctoral fellowship, he continued his education by joining the laboratory of Professor Christopher C. Cummins at the Massachusetts Institute of Technology (Cambridge, MA) where he developed his passion for uranium chemistry. In January 2001 he was appointed to the faculty of the University of California, San Diego and was named an Alfred P. Sloan Fellow in summer 2004.

Dr. Meyer has recently accepted a chair of inorganic chemistry at the University of Erlangen-Nuremberg where he will continue to pursue his research interests involving redox-active transition and actinide metal complexes. The Meyer group specializes in manipulating complex reactivity by employing their understanding of molecular and electronic structure interplay.

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



Manfred Bochmann gained his Diploma Degree at Marburg University, Germany, and his Ph.D. at Imperial College London, with Professor Sir Geoffrey Wilkinson. After a spell in industry from 1980–1983 at ICI's Corporate Laboratory, he moved to the University of East Anglia where he became Professor of Chemistry in 1994. From 1995–2000 he was Head of Inorganic and Structural Chemistry at the University of Leeds. In April 2000 he returned to UEA as Professor of Inorganic Chemistry and director of the *Wolfson Materials and Catalysis Centre* (WMCC) and is now Head of Chemistry.

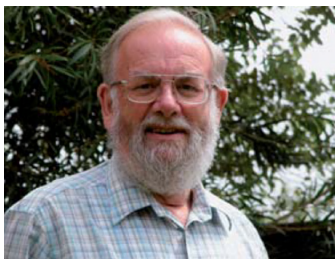
He has published over 200 papers and patents in the areas of organometallic chemistry and catalysis, coordination chemistry and semiconductor precursors. He is the author of two teaching texts in organometallic chemistry and co-author of the inorganic chemistry textbook: Cotton, Wilkinson, Murillo and Bochmann, *Advanced Inorganic Chemistry*, 6th ed. In 2002 he was awarded the Royal Society of Chemistry Prize for Organometallic Chemistry.

Editor of Volume 5



Klaus H. Theopold was born in Berlin, studied at the Universität Hamburg for his Vordiplom in 1977, and at UC Berkeley, where he obtained his PhD in 1982 under the direction of Professor R. G. Bergman. After spending a year as postdoctoral fellow in the laboratory of Professor R. R. Schrock at MIT, he began his independent career in 1983 as an Assistant Professor at Cornell University. In 1990 he moved to the University of Delaware, where he is currently Professor of Chemistry. His scientific interests encompass synthetic and mechanistic studies of transition metal compounds, in particular paramagnetic organometallics, polymerization catalysis, and coordination compounds relevant to the activation of O₂.

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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