



COMPREHENSIVE ORGANOMETALLIC CHEMISTRY III

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

Volume

13

Cumulative Subject Index



COMPREHENSIVE
ORGANOMETALLIC
CHEMISTRY III

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Editors-in-Chief

D. Michael P. Mingos
University of Oxford, Oxford, UK

Robert H. Crabtree
Yale University, New Haven, CT, USA

Volume 13



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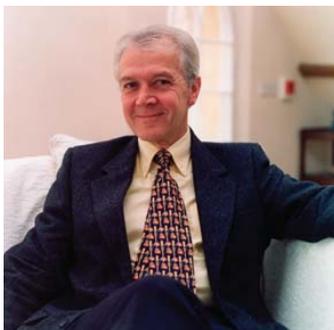
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Editors-in-Chief



Michael Mingos has published more than 400 papers in inorganic, organometallic and theoretical chemistry. He has received numerous awards including the Corday-Morgan (1980) and Tilden (1988) Medals of the Royal Society of Chemistry, the Wilhelm Manchott Prize in 1995, the Michael Collins Award for Microwave Chemistry (1996) and was elected a Fellow of the Royal Society in 1992. He is perhaps best known for his contributions to the development of the polyhedral skeletal electron approach for inter-relating the structures of cluster compounds and their valence electron counts – commonly described as the Wade-Mingos Rules, but he has also developed a strong synthetic programme in cluster and supramolecular chemistry. He also pioneered the applications of microwave dielectric heating in organometallic and inorganic chemistry.

Currently Principal of St Edmund Hall and Professor of Inorganic Chemistry at the University of Oxford. He gained his B.Sc. at the University of Manchester (1965) and his D.Phil. at the University of Sussex (1968). He has subsequently received Honorary Degrees from both institutions. He became a Lecturer at Queen Mary College in 1971, before becoming a Fellow at Keble College, Oxford (1976–1992). In 1992 he moved to the Sir Edward Frankland BP Chair in Chemistry at Imperial College where he was elected Dean of the Royal College of Science in 1996.

His Editorial activities include a monograph on cluster chemistry, three undergraduate textbooks and many published reviews. He has also edited several books and served on the editorial boards of a number of international journals. He was Regional Editor of the *Journal of Organometallic Chemistry* from 1996 to 2006 and is Managing Editor of *Structure and Bonding*.



Robert Crabtree has published more than 400 papers in inorganic, organometallic and bioinorganic chemistry. He has received numerous awards including the Corday-Morgan (1984) Medal and Organometallic Chemistry Award (1991) of the Royal Society of Chemistry, the Organometallic Chemistry Award (1993) of the American Chemical Society, the Bailar Medal (U of Illinois, 2001), the Dow Lectureship (Berkeley, 2004) and the ISI Highly Cited Author Award (2000). He was chair of the inorganic chemistry division of the American Chemical Society (1998). He is known for the ‘Crabtree catalyst’ and contributions in alkane activation, sigma complexes, dihydrogen bonding, and molecular recognition in catalysis.

Currently Professor of Inorganic Chemistry at Yale University, he earned his B.A. at the University of Oxford (1970) and his D.Phil. at the University of Sussex (1973). He then became an Attaché de Recherche at the CNRS laboratory at Gif-sur-Yvette before moving to Yale in 1977.

His book, ‘The Organometallic Chemistry of the Transition Metals’ is now in its fourth edition (2005). He has also served on the editorial boards of a number of international journals. He was Regional Editor of the *New Journal of Chemistry* from 1998 to 2003 and is Editor-in-Chief of the ‘*Encyclopedia of Inorganic Chemistry*’.

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 Fehlner (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.

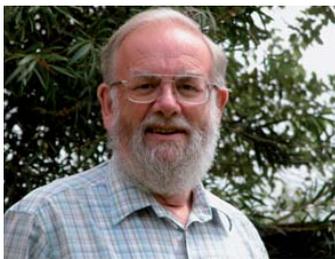
He has published over 200 papers and patents in the areas of organometallic chemistry and catalysis, coordination chemistry and semiconductor precursors. He is the author of two teaching texts in organometallic chemistry and co-author of the inorganic chemistry textbook: Cotton, Wilkinson, Murillo and 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



Iwao Ojima received his B.S., M.S., and Ph.D.(1973) degrees from the University of Tokyo, Japan. He joined the Sagami Institute of Chemical Research and held a position as Senior Research Fellow until 1983. He then joined the faculty at the Department of Chemistry, State University of New York at Stony Brook in 1983 and is currently a Distinguished Professor (1995–). He served as the Department Chairman from 1997 to 2003. He is the founding Director (2003) for the Institute of Chemical Biology and Drug Discovery (ICB&DD) at Stony Brook. He has a wide range of research interests in medicinal chemistry, including anticancer agents, anti-TB agents, antithrombotic agents, enzyme inhibitors, and medicinally relevant organofluorine compounds. He is a recipient of the Arthur C. Cope Scholar Award (1994) and the E. B. Hershberg Award (for important discovery of medicinally active substances) (2001) from the American Chemical Society; The Chemical Society of Japan Award (for distinguished achievements) (1999); and the Outstanding Inventor Award (2002) from the Research Foundation of the State University of

New York. He is a Fellow of the J. S. Guggenheim Memorial Foundation, the American Association for the Advancement of Science, and The New York Academy of Sciences.

Editor of Volume 11



Born in Osaka in 1946, Tamejiro Hiyama completed his PhD in Engineering Faculty at Kyoto University in 1975, spent a postdoctoral year at Harvard University working with Yoshito Kishi, and in 1981 started his own research team at Sagami Chemical Research Centre in Kanagawa. He moved to the Tokyo Institute of Technology as Professor and since 1997 has been Professor of Organic Material Chemistry at Kyoto University. His research interests extend from novel synthetic methods using organometallic catalysts and reagents, organofluorine and -silicon chemistry to synthesis of organic materials and biologically active agents.

Editor of Volume 12



Dermot O'Hare was born in Newry, Co Down, and studied at Balliol College, Oxford University, where he obtained a B.Sc. in 1982 and his D.Phil in 1985 under the direction of Professor M.L.H Green. Subsequently, he was awarded a Royal Commission of 1851 Research Fellowship. He was a visiting research fellow at CR&D E.I. du Pont de Nemours in Wilmington, Delaware in 1986/7 where he worked in the group lead by Prof J.S. Miller on molecular-based magnetic materials. In 1987 he returned to Oxford to a short term lectureship. In 1990 he was appointed to a permanent University position and a Septcentenary Tutorial Fellowship at Balliol College and in 1998 he became Professor. In 1996 he was honoured by the Institut de France, Académie des Sciences as one of the top 50 leading scientists in Europe aged under 40. He was the Royal Society of Chemistry Sir Edward Frankland Fellow in 1996/67 and in 1997 he was awarded the Exxon European Chemical and Engineering Prize. His interests are wide ranging, and include exploratory synthetic organometallic chemistry, intercalation chemistry, time-resolved, in situ diffraction studies and the synthesis of meso- and microporous solids.

Contributors to All Volumes

A P Abbott

University of Leicester, Leicester, UK

M Akita

Tokyo Institute of Technology, Yokohama, Japan

A C Albéniz

Universidad de Valladolid, Valladolid, Spain

P C Andrews

Monash University, Melbourne, VIC, Australia

A Antiñolo

Universidad de Castilla-La Mancha, Facultad de Química, Ciudad Real, Spain

S Araki

Nagoya Institute of Technology, Nagoya, Japan

P L Arnold

University of Nottingham, Nottingham, UK

D A Atwood

University of Kentucky, Lexington, KY, USA

A Baba

Osaka University, Osaka, Japan

M V Baker

The University of Western Australia, Crawley, WA, Australia

R J Baker

Technische Universität Braunschweig, Braunschweig, Germany

Z T Ball

University of California at Berkeley, Berkeley, CA, USA

S Barlow

Department of Chemistry, Georgia Institute of Technology, GA, USA

S Basharat

University College London, London, UK

J-M Basset

CNRS/CPE, Villeurbanne, France

S R Bayly

University of Oxford, Oxford, UK

- J Beckmann
Freie Universität Berlin, Berlin, Germany
- P D Beer
University of Oxford, Oxford, UK
- I P Beletskaya
Moscow State University, Moscow, Russia
- C F Bender
Duke University, Durham, NC, USA
- G M Bernard
University of Alberta, Edmonton, AB, Canada
- C Bianchini
Istituto di Chimica dei Composti Organometallici, Florence, Italy
- M W Bouwkamp
Cornell University, Ithaca, NY, USA
- C A Bradley
Cornell University, Ithaca, NY, USA
- D Braga
Università degli Studi di Bologna, Bologna, Italy
- L Brammer
University of Sheffield, Sheffield, UK
- T Braun
Universität Bielefeld, Bielefeld, Germany
- H J Breunig
Universität Bremen, Bremen, Germany
- D H Brown
The University of Western Australia, Crawley, WA, Australia
- D W Bruce
University of York, York, UK
- K M Brummond
University of Pittsburgh, Pittsburgh, PA, USA
- C N Burress
Texas A&M University, College Station, TX, USA
- I R Butler
University of Wales – Bangor, Bangor, UK
- J Cámpora
Universidad de Sevilla-CSIC, Sevilla, Spain
- V Cadierno
Universidad de Oviedo, Oviedo, Spain
- J-P Candy
CNRS/CPE, Villeurbanne, France
- C J Carmalt
University College London, London, UK
- M J Carney
University of Wisconsin-Eau Claire, Eau Claire, WI, USA

A-M Carroll

University College London, Dublin, Republic of Ireland

D J Casadonte, Jr.

Texas Tech University, Lubbock, TX, USA

A E G Cass

Imperial College London, London, UK

L Cavallo

University of Salerno, Salerno, Italy

K J Cavell

Cardiff University, Cardiff, UK

J C Chadwick

Eindhoven University of Technology, Eindhoven, The Netherlands

A S C Chan

The Hong Kong Polytechnic University, Kowloon, Hong Kong, People's Republic of China

A K Chatterjee

Genomics Institute of the Novartis Research Foundation, San Diego, CA, USA

B Chaudret

CNRS, Toulouse, France

E Y-X Chen

Colorado State University, Fort Collins, CO, USA

E C C Cheng

The University of Hong Kong, Hong Kong, People's Republic of China

A V Cheprakov

Moscow State University, Moscow, Russia

Yongxiang Chi

The Pennsylvania State University, University Park, PA, USA

W-H Chiou

State University of New York at Stony Brook, Stony Brook, NY USA

P J Chirik

Cornell University, Ithaca, NY, USA

M P Cifuentes

Australian National University, Canberra, ACT, Australia

F G N Cloke

University of Sussex, Brighton, UK

G C Clososki

Universidade de São Paulo, São Paulo, Brazil

S Collins

University of Akron, Akron, OH, USA

J V Comasseto

Universidade de São Paulo, São Paulo, Brazil

C Commandeur

State University of New York at Stony Brook, Stony Brook, NY USA

C Copéret

CNRS/CPE, Villeurbanne, France

E Coronado

Universidad de Valencia, Valencia, Spain

A G Coyne

University College London, Dublin, Republic of Ireland

P J Craig

De Montfort University, Leicester, UK

M P Croatt

Stanford University, Stanford, CA, USA

P Crochet

Universidad de Oviedo, Oviedo, Spain

T Cuenca

Universidad de Alcalá, Madrid, Spain

T R Cundari

University of North Texas, Denton, TX, USA

R L O R Cunha

Universidade de São Paulo, São Paulo, Brazil

X Dai

University at Buffalo, Buffalo, NY, USA

A G Davies

University College London, London, UK

D L Davies

University of Leicester, Leicester, UK

Huw M L Davies

University at Buffalo, Buffalo, NY, USA

A de Meijere

Georg-August-Universität Göttingen, Göttingen, Germany

N M Deschamps

Stanford University, Stanford, CA, USA

R Deschenaux

Université de Neuchâtel, Neuchâtel, Switzerland

P E Djurovich

Department of Chemistry, University of Southern California, CA, USA

B Donnio

Institut de Physique et Chimie des Matériaux de Strasbourg, Strasbourg, France

M Driess

Technical University Berlin, Berlin, Germany

J Dupont

Federal University of Rio Grande do Sul, Porto Alegre, Brazil

C L Dwyer

Research and Development, Sasol Technology, Sasolburg, South Africa

P J Dyson

Institut des sciences et ingénierie chimiques, Lausanne, Switzerland

M M Díaz-Requejo

Universidad de Huelva, Huelva, Spain

- M R Eberhard
Universiteit van Amsterdam, Amsterdam, The Netherlands
- F T Edelman
Otto-von-Guericke-Universität Magdeburg, Magdeburg, Germany
- R S Eisenberg
University of Rochester, Rochester, NY, USA
- C J Elsevier
Universiteit van Amsterdam, Amsterdam, The Netherlands
- G M Espallargas
University of Sheffield, Sheffield, UK
- P Espinet
Universidad de Valladolid, Valladolid, Spain
- J W Faller
Yale University, New Haven, CT, USA
- L Fensterbank
Université Pierre et Marie Curie, Paris, France
- J-P Finet
CNRS-Universités d'Aix-Marseille 1 et 3, Marseille, France
- F R Flores
Federal University of Rio Grande do Sul, Porto Alegre, Brazil
- K R Flower
University of Manchester, Manchester, UK
- D E Fogg
University of Ottawa, Ottawa, ON, Canada
- J Forniés
Universidad de Zaragoza-Consejo Superior de Investigaciones Científicas, Zaragoza, Spain
- J Fossey
The University of Tokyo, Tokyo, Japan
- H M Foucault
University of Ottawa, Ottawa, ON, Canada
- D Fox
University of Rochester, Rochester, NY, USA
- M A Fox
University of Durham, Durham, UK
- K A Francesconi
Karl-Franzens University Graz (Uni-Graz), Graz, Austria
- Z Freixa
Institut Català d'Investigació Química, Tarragona, Spain
- T Fujita
Mitsui Chemicals, Inc., Sodegaura, Chiba, Japan
- Y Fujiwara
Kyushu University, Fukuoka, Japan
- F P Gabbai
Texas A&M University, College Station, TX, USA

T Gaich

University of Vienna, Vienna, Austria

J R Galán-Mascarós

Universidad de Valencia, Valencia, Spain

A Gavryushin

Ludwig-Maximilians-Universität, Munich, Germany

M W George

The University of Nottingham, Nottingham, UK

J Gimeno

Universidad de Oviedo, Oviedo, Spain

J-P Goddard

Université Pierre et Marie Curie, Paris, France

L Gonsalvi

Istituto di Chimica dei Composti Organometallici, Florence, Italy

J C Green

University of Oxford, Oxford, UK

M Grellier

Université Paul Sabatier, Toulouse, France

N Grenouillat

Ludwig-Maximilians-Universität, Munich, Germany

F Grepioni

Università degli Studi di Bologna, Bologna, Italy

R N Grimes

University of Virginia, Charlottesville, VA, USA

R H Grubbs

California Institute of Technology, Pasadena, CA, USA

D Guillon

Institut de Physique et Chimie des Matériaux de Strasbourg, Strasbourg, France

P J Guiry

University College London, Dublin, Republic of Ireland

T P Hanusa

Vanderbilt University, Nashville, TN, USA

F Hapiot

Université d'Artois, Lens, France

C F Harrington

University of Leicester, Leicester, UK

T Hayashi

Kyoto University, Kyoto, Japan

A Haynes

University of Sheffield, Sheffield, UK

N Hazari

University of Oxford, Oxford, UK

K W Henderson

University of Notre Dame, Notre Dame, IN, USA

- J W Herndon
New Mexico State University, Las Cruces, NM, USA
- T Hirashita
Nagoya Institute of Technology, Nagoya, Japan
- C Hofmann
Rice University, Houston, TX, USA
- G Hogarth
University College London, London, UK
- E G Hope
University of Leicester, Leicester, UK
- I T Horváth
Eötvös University, Budapest, Hungary
- N S Hosmane
Northern Illinois University, DeKalb, IL, USA
- A Hosomi
National Institution for Academic Degrees and University Evaluation, Kodaira, Japan
- Z Hou
RIKEN, Saitama, Japan
- Catherine E Housecroft
University of Basel, Basel, Switzerland
- C D Hubbard
Universität Erlangen-Nürnberg, Erlangen, Germany
- M G Humphrey
Australian National University, Canberra, ACT, Australia
- K E Janak
Reheis Inc., Berkeley Heights, NJ, USA
- H-Y Jang
University of Texas at Austin, Austin, TX, USA
- G Jaouen
CNRS UMR 7576, Paris, France
- P A Jelliss
Saint Louis University, St. Louis, MO, USA
- R O Jenkins
De Montfort University, Leicester, UK
- N Jeong
Korea University, Seoul, South Korea
- A L Johnson
University of Bath, Bath, UK
- G D Jones
University of Arkansas, Fayetteville, AR, USA
- W D Jones
University of Rochester, Rochester, NY, USA
- C H Kaschula
University of Cape Town, Rondebosch, South Africa

J B Keister

University at Buffalo, Buffalo, NY, USA

A T Kelly

Rice University, Houston, TX, USA

T Kitamura

Astellas Pharmaceutical Ltd., Ibaraki, Japan

T Kitamura

Saga University, Saga, Japan

P Knochel

Ludwig-Maximilians-Universität, Munich, Germany

M Knorr

Université de Franche-Comté, Besançon, France

S Kobayashi

The University of Tokyo, Tokyo, Japan

J R Koe

International Christian University, Tokyo, Japan

A Krasovski

Ludwig-Maximilians-Universität, Munich, Germany

N Krause

Dortmund University, Dortmund, Germany

M J Krische

University of Texas at Austin, Austin, TX, USA

G J Kubas

Los Alamos National Laboratory, Los Alamos, NM, USA

C P Kubiak

University of California – San Diego, La Jolla, CA, USA

T Kurahashi

Kyoto University, Kyoto, Japan

F Y Kwong

The Hong Kong Polytechnic University, Kowloon, Hong Kong, People's Republic of China

P Lahuerta

Universitat de Valencia, Burjassot, Spain

E Lalinde

Universidad de La Rioja, Logroño, Spain

S J Lancaster

University of East Anglia, Norwich, UK

D Lantos

Eötvös University, Budapest, Hungary

A Lara

Universidad de Castilla-La Mancha, Facultad de Química, Ciudad Real, Spain

N E Leadbeater

University of Connecticut, Storrs, CT, USA

C Lee

Princeton University, Princeton, NJ, USA

- B K L Leong
Simon Fraser University, Burnaby, BC, Canada
- H Leuser
Ludwig-Maximilians-Universität, Munich, Germany
- Z Li
Texas Tech University, Lubbock, TX, USA
- C Lorber
Laboratoire de Chimie de Coordination du CNRS, Toulouse, France
- J A Loyer-Drew
University of Pittsburgh, Pittsburgh, PA, USA
- G Lu
Zhejiang University, Hangzhou, People's Republic of China
- J A Maguire
Southern Methodist University, Dallas, TX, USA
- L Maini
Università degli Studi di Bologna, Bologna, Italy
- H Makio
Mitsui Chemicals, Inc., Sodegaura, Chiba, Japan
- M Malacria
Université Pierre et Marie Curie, Paris, France
- I Manners
University of Toronto, Toronto, ON, Canada
- S Marder
Department of Chemistry, Georgia Institute of Technology, GA, USA
- J A Martinho Simões
Universidade de Lisboa, Lisboa, Portugal
- K Mashima
Osaka University, Osaka, Japan
- T Masuda
Kyoto University, Kyoto, Japan
- Y Matano
Kyoto University, Kyoto, Japan
- S Mathur
Leibniz-Institute of New Materials, Saarbrücken, Germany
- R Matsubara
The University of Tokyo, Tokyo, Japan
- I Matsuda
Nagoya University, Nagoya, Japan
- T Matsuda
Kyoto University, Kyoto, Japan
- R Matunas
Princeton University, Princeton, NJ, USA
- M H Mazurek
3M Company, St. Paul, MN, USA

M J McGlinchey

University College Dublin, Dublin, Republic of Ireland

D S McGuinness

Sasol Technology (UK) Limited, St. Andrews, UK

J S McIndoe

University of Victoria, Victoria, BC, Canada

M-A Melaimi

Texas A&M University, College Station, TX, USA

N Metzler-Nolte

Ruhr-Universitaet Bochum, Bochum, Germany

Joel S Miller

University of Utah, Salt Lake City, UT, USA

M E Minas da Piedade

Universidade de Lisboa, Lisboa, Portugal

D M P Mingos

University of Oxford, Oxford, UK

A Mitra

University of Kentucky, Lexington, KY, USA

K Miura

University of Tsukuba, Tsukuba, Japan

H Miyabe

Kyoto University, Kyoto, Japan

N Miyaura

Hokkaido University, Sapporo, Japan

M S Mohamed Ahmed

Cairo University, Cairo, Egypt

E Monflier

Université d'Artois, Lens, France

A Mordini

Università di Firenze, Firenze, Italy

A Mori

Kobe University, Kobe, Japan

M Mori

University of Hokkaido, Hokkaido, Japan

N Morita

Dortmund University, Dortmund, Germany

J R Moss

University of Cape Town, Rondebosch, South Africa

P Mountford

University of Oxford, Oxford, UK

J Mulzer

University of Vienna, Vienna, Austria

M Murakami

Kyoto University, Kyoto, Japan

V Murphy

Symyx Technologies, Santa Clara, CA, USA

K Nakano

The University of Tokyo, Tokyo, Japan

O Navarro

University of New Orleans, New Orleans, LA, USA

E Negishi

Purdue University, West Lafayette, IN, USA

Y Nishibayashi

The University of Tokyo, Tokyo, Japan

S P Nolan

University of New Orleans, New Orleans, LA, USA

T Novak

Purdue University, West Lafayette, IN, USA

K Nozaki

The University of Tokyo, Tokyo, Japan

D O'Hare

University of Oxford, Oxford, UK

T Ohishi

RIKEN, Saitama, Japan

E Ohler

University of Vienna, Vienna, Austria

T Ohmura

Kyoto University, Kyoto, Japan

I Ojima

State University of New York at Stony Brook, Stony Brook, NY USA

J H Orlando

Saint Louis University, St. Louis, MO, USA

Y Ortin

University College Dublin, Dublin, Republic of Ireland

K Osakada

Tokyo Institute of Technology, Yokohama, Japan

A Otero

Universidad de Castilla-La Mancha, Facultad de Química, Ciudad Real, Spain

Gerard Parkin

Columbia University, New York, NY, USA

P J Pérez

Universidad de Huelva, Huelva, Spain

E Peris

Universitat Jaume I, Castellón, Spain

S Perrone

Ludwig-Maximilians-Universität, Munich, Germany

R N Perutz

University of York, York, UK

M Peruzzini
Istituto di Chimica dei Composti Organometallici, Florence, Italy

J Peters
Caltech Chemistry, Pasadena, CA, USA

M Pfeffer
Université Louis Pasteur, Strasbourg, France

K Philippot
CNRS, Toulouse, France

W E Piers
University of Calgary, Calgary, AB, Canada

D A Plattner
Albert-Ludwigs-Universität, Freiburg, Germany

F Poineau
University of Nevada – Las Vegas, Las Vegas, NV, USA

M Polito
Università degli Studi di Bologna, Bologna, Italy

R K Pomeroy
Simon Fraser University, Burnaby, BC, Canada

P Portius
The University of Nottingham, Nottingham, UK

D Rabinovich
The University of North Carolina at Charlotte, Charlotte, NC, USA

P R Raithby
University of Bath, Bath, UK

J A Reingold
Brown University, Providence, RI, USA

L Resconi
Basell Polyolefins, Ferrara, Italy

D E Richardson
University of Florida, Gainesville, FL, USA

A Rodriguez-Delgado
Colorado State University, Fort Collins, CO, USA

C C Romão
Instituto de Tecnologia Química e Biológica, Oeiras, Portugal

J P Rourke
The University of Warwick, Coventry, UK

B Royo
Instituto de Tecnologia Química e Biológica, Oeiras, Portugal

K Ruhlandt-Senge
Syracuse University, Syracuse, NY, USA

R A Sánchez-Delgado
Brooklyn College, NY, USA

S Saito
Nagoya University, Nagoya, Japan

- F Sanda
Kyoto University, Kyoto, Japan
- E Sappa
Università del Piemonte Orientale, Alessandria, Italy
- A P Sattelberger
Los Alamos National Laboratory, Los Alamos, NM, USA
- A Schier
Technische Universität München, Garching, Germany
- H Schmidbaur
Technische Universität München, Garching, Germany
- U Schneider
The University of Tokyo, Tokyo, Japan
- S Schulz
Universität Paderborn, Paderborn Germany
- B L Scott
Los Alamos National Laboratory, Los Alamos, NM, USA
- A Seki
Kyoto University, Kyoto, Japan
- C M Seward
University College Dublin, Dublin, Republic of Ireland
- J B Sheridan
Rutgers University at Newark, Newark, NJ, USA
- I Shibata
Osaka University, Osaka, Japan
- M Shiotsuki
Kyoto University, Kyoto, Japan
- E Simón-Manso
University of California – San Diego, La Jolla, CA, USA
- G S Smith
University of Cape Town, Rondebosch, South Africa
- I P Smoliakova
University of North Dakota, Grand Forks, ND, USA
- G A Solan
University of Leicester, Leicester, UK
- S U Son
Department of Chemistry, Sungkyunkwan University, Suwon 440-746, Korea
- J Spencer
James Black Foundation, London, UK
- L Stahl
University of North Dakota, Grand Forks, ND, USA
- G G Stanley
Louisiana State University, Baton Rouge, LA, USA
- A M Stuart
University of Leicester, Leicester, UK

M Suginome

Kyoto University, Kyoto, Japan

M Sugiura

The University of Tokyo, Tokyo, Japan

H Suzuki

Tokyo Institute of Technology, Tokyo, Japan

D A Sweigart

Brown University, Providence, RI, USA

K Takai

Okayama University, Okayama, Japan

T Takao

Tokyo Institute of Technology, Tokyo, Japan

Y Takemoto

Kyoto University, Kyoto, Japan

M Tamm

Technische Universität Braunschweig, Braunschweig, Germany

K Tanaka

Tokyo University of Agriculture and Technology, Tokyo, Japan

Wenjun Tang

The Pennsylvania State University, University Park, PA, USA

T J Taylor

Texas A&M University, College Station, TX, USA

D Thomas

University of Wales – Bangor, Bangor, UK

J C Thomas

University of California – San Diego, La Jolla, CA, USA

M E Thompson

Department of Chemistry, University of Southern California, CA, USA

M Tilset

University of Oslo, Oslo, Norway

D R Tyler

University of Oregon, Eugene, OR, USA

S Uemura

Okayama University of Science, Okayama, Japan

R van Eldik

Universität Erlangen-Nürnberg, Erlangen, Germany

P W N M van Leeuwen

Institut Català d'Investigació Química, Tarragona, Spain

D A Vivic

University of Arkansas, Fayetteville, AR, USA

R. Wagner

Universität Bremen, Bremen, Germany

J Wang

Peking University, Beijing, People's Republic of China

- R E Wasylshen
University of Alberta, Edmonton, AB, Canada
- M Weidenbruch
Carl von Ossietzky Universität Oldenburg, Oldenburg, Germany
- C S Weinert
Oklahoma State University, Stillwater, OK, USA
- A S Weller
University of Bath, Bath, UK
- P A Wender
Stanford University, Stanford, CA, USA
- A G Wenzel
California Institute of Technology, Pasadena, CA, USA
- L Wesemann
Universität Tübingen, Tübingen, Germany
- K H Whitmire
Rice University, Houston, TX, USA
- M K Whittlesey
University of Bath, Bath, UK
- R A Widenhoefer
Duke University, Durham, NC, USA
- J D Wilton-Ely
University of Oxford, Oxford, UK
- T Wirth
Cardiff University, Cardiff, UK
- W-T Wong
University of Hong Kong, Hong Kong, People's Republic of China
- Y Yamamoto
Hokkaido University, Sapporo, Japan
- K Yamasaki
Kyoto University, Kyoto, Japan
- M Yamashita
The University of Tokyo, Tokyo, Japan
- Y Yamashita
The University of Tokyo, Tokyo, Japan
- V W W Yam
The University of Hong Kong, Hong Kong, People's Republic of China
- M Yasuda
Osaka University, Osaka, Japan
- D Zargarian
Université de Montréal, Montreal, QC, Canada
- Xumu Zhang
The Pennsylvania State University, University Park, PA, USA

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