CURRICULUM VITAE
Prof. Dr. TODD B. MARDER, FRSC

Institut für Anorganische Chemie
Julius-Maximilians-Universität Würzburg
Am Hubland, 97074 Würzburg, Germany
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PERSONAL DATA

Date of Birth 14 November, 1955

Citizenship UK, Canada and U.S.

Family status Married, 1 child

University Education

1976 B.Sc. Chemistry, Massachusetts Institute of Technology, Cambridge, MA, USA
(with Professor A. Davison, FRS)

1981 Ph.D. Inorganic Chemistry, University of California, Los Angeles, CA, USA
(with Professor M.F. Hawthorne)

Employment

1981-1983 Postdoctoral Fellow, University of Bristol, School of Chemistry, Bristol, England
(with Professor F.G.A. Stone, FRS, CBE)

1983-1985 Visiting Research Scientist, E.I. DuPont DeNemours & Co. Inc., Central Research and Development Department, Wilmington, Delaware, USA

1985-1989 Assistant Professor
1989-1993 Associate Professor (tenured)
1993-1997 Professor
Inorganic Chemistry, University of Waterloo, Waterloo, Ontario, Canada
Member of the Guelph-Waterloo Centre for Graduate Work in Chemistry
1996-1997 Co-Associate Director of the Waterloo Centre for Materials Technology (WATMAT)
1997-2000 Adjunct Professor of Chemistry, University of Waterloo

1997-2012 Professor of Inorganic Chemistry, University of Durham, England
1998-2003 Head of Inorganic Teaching Section, University of Durham
1999-2000 Head of "Structure, Bonding, Spectroscopy and Theory" Research Grouping, University of Durham
2000-2008 Head of "Structure, Property and Function" Research Grouping, University of Durham
2000-2012 Member of the Centre for Molecular and Nanoscale Electronics, University of Durham
2003-2004 Sir Derman Christopherson Foundation Fellow, University of Durham
2006-2012 Member of the Centre for Bioactive Chemistry, University of Durham
2006-2012 Member of the North East England Stem Cell Institute
2007-2012 Member of the Institute of Human Genetics, Newcastle University, England
2012-2017 Honorary Professor of Chemistry, University of Durham

2012- Professor and Chair of Inorganic Chemistry, Institute of Inorganic Chemistry,
Julius-Maximilians-Universität Würzburg, Germany
Member of the Center for Nanosystems Chemistry
Member of the Wilhelm Conrad Röntgen Research Center for Complex Materials Systems

Other Positions Held

1987 Visiting Researcher, Inorganic Chemistry Laboratory, Oxford University, England (May)
1988 Visiting Researcher, Inorganic Chemistry Laboratory, Oxford University, England (August-September)
1991 Visiting Researcher, Department of Chemistry, University of Newcastle upon Tyne, England (April)
1992 Visiting Researcher (NSERC/Royal Society UK Bilateral Exchange Grantee), Department of Chemistry, University of Newcastle upon Tyne, England (April-June)
1993 Professeur Invité, Laboratoire de Chimie de Coordination Organique, Université de Rennes I, France (June-July)
1995 Visiting Senior Research Fellow, University of Newcastle upon Tyne, England (April-May)
1996 Faculty of Science Visiting Fellow, School of Chemistry, University of Bristol, England
1996 Visiting Researcher (NSERC/Royal Society UK Bilateral Exchange Grantee), School of Chemistry, University of Bristol; Department of Chemistry, University of Newcastle upon Tyne; and Department of Materials and the Inorganic Chemistry Laboratory, Oxford University, England (May-June)
1997 Visiting Professor, Department of Chemistry, University of Newcastle upon Tyne, England (1 March-30 September)
2003 Visiting Professor, Department of Chemistry, Hong Kong University of Science and Technology, Kowloon, Hong Kong (3 March – 2 April) – Leverhulme Study Abroad Fellow
2004 Leverhulme Study Abroad Fellow, Department of Chemistry, Hong Kong University of Science and Technology, Kowloon, Hong Kong (4 February – 2 March)
2004 Visiting Researcher (RSC Journals Grant Awardee), University of Hawaii at Manoa, Honolulu, Hawaii (April)
2005 Visiting Researcher, Université de Rennes I, France (May) - Royal Society-CNRS Joint Project Grant
2006 Visiting Researcher, Peking University, Beijing, China and Hong Kong University of Science and Technology, Kowloon, Hong Kong (March-April) – Royal Society Outgoing Short Visit
2006 Visiting Researcher, Université de Rennes I, France (July and November) - Royal Society-CNRS Joint Project Grant
2006-2018 Adjunct Professor of Chemistry, Hong Kong University of Science and Technology, Kowloon, Hong Kong (1 July 2006 – 30 June 2018)
2007-2012 Honorary Professor, Newcastle University, North-East England Stem Cell Institute, Faculty of Medical Sciences (1 January 2007 – 31 December 2012)
2009 Visiting Professor, Hokkaido University, Sapporo, Japan (October)
2010 Japan Society for the Promotion of Science JSPS Invitation Fellow (April)
2012- Visiting Professor, Northeast Normal University, Changchun, China
2013-2015 Jiangnan Distinguished Professor, Jiangnan University, China
2013-2019 Guest Professor, Shandong University, China
2014 David Craig Visiting Professor, Research School of Chemistry, Australian National University (November – December)
2016 Visiting Professor, Indian Institute of Science, Bangalore, India (October)

Major Fellowships, Honors and Awards

- Member of the Bayerische Akademie der Wissenschaften (The Bavarian Academy of Sciences)
- Royal Society of Chemistry (UK) Organometallic Chemistry Award (2015)
- Royal Society of Chemistry (UK) Rita and John Cornforth Team Award (2012)
- Royal Society (UK) Wolfson Research Merit Award (2010)
- Alexander von Humboldt Foundation Research Award (2010)
- Japan Society for the Promotion of Science JSPS Invitation Fellowship (2010)
- Royal Society of Chemistry (UK) Award in Main Group Element Chemistry (2008)
- Sir Derman Christopherson Foundation Fellowship, University of Durham (2003-4)
- Member, Society of Fellows, University of Durham (since 2003)
- Leverhulme Study Abroad Fellowship – The Leverhulme Trust (2003-4)
- Rutherford Memorial Medal for Chemistry, The Royal Society of Canada (1995)
- University of California, Regents Intern Fellowship (1976-1980)
- New York State Regents Fellowship (1972) – declined

Membership in Professional Organizations

- Gesellschaft Deutscher Chemiker
- Fellow of the Royal Society of Chemistry, UK (CChem, FRSC)
- American Chemical Society (Inorganic and Organic Divisions)
- The Chemical Institute of Canada (Canadian Society for Chemistry)

- American Association for the Advancement of Science
- Sigma Xi, The Scientific Research Society
- New York Academy of Sciences
- British Liquid Crystal Society
- British Crystallographic Association
- Scottish Stem Cell Network

Publications 313; Patents 7 applied (1 granted thus far); h-Index 75; Citations 18,105 (non-self citations 16,162), 53 papers with 100 or more citations each, 116 papers with 50 or more citations each. Over 385 invited lectures at conferences, universities, government and industrial research facilities worldwide.

Over 25 former co-workers hold academic positions around the world.

PROFESSIONAL ACTIVITIES

Editorial Boards

- Member of the Advisory Board of "Inorganica Chimica Acta" (December 2010-)
- Member of the Advisory Board of "Applied Organometallic Chemistry" (2010 -)
- Member of the Editorial Board of "Chemistry Central Journal" (2006 -)
- Member of the International Editorial Advisory Board of "Organometallics" (January 2006 - December 2008)
- Member of the Editorial Board of the "Canadian Journal of Chemistry " (January 2005 - December 2008)
- Member of the Editorial Board of "Journal of Organometallic Chemistry" (January 2003 -)
- Member of the Editorial Board of "Polyhedron" (January 2002 - December 2004)
- Member of the Advisory Board of "Inorganic Chemistry" (January 1999 - December 2000)
- Member of the Editorial Board of "Crystal Engineering" (1997-2003)

Books and Journal Issues Edited : see end of publication list

International Program Coordination / Leadership

Durham Leader, Durham University (UK) – University of Rennes 1 (France) CNRS PICS (International Program for Scientific Cooperation) (2009 - 2010)
Durham Leader, Durham University (UK) – University of Rennes 1 (France) CNRS LEA (European Associated Laboratory) (2011)

External Examining of Chemistry Teaching Programs

- External Examiner in Inorganic Chemistry, University of Edinburgh (1999-2002)
- External Examiner for Integrated Master's, Master of Chemistry, University of East Anglia (2007-2010)
- External Examiner for Department of Chemistry, Sultan Qaboos University, Oman (2008, 2009)

Refereeing/Reviewing

- I routinely referee manuscripts for the following journals: Journal of the American Chemical Society, Organometallics, Inorganic Chemistry, Journal of Organic Chemistry, Organic Letters, Angewandte Chemie, Chemistry - A European Journal, Chemical Communications, Dalton Transactions, and less frequently for other journals.

- I serve as a reviewer for a variety of grant proposals for the DFG, EPSRC (UK), NSERC (Canada), NSF (USA), ACS/PRF (USA), Research Corporation (USA), Fonds FCAR (Québec, Canada), the Canadian Foundation for Innovation, the Hong Kong Research Grants Council, and the Australian Research Council, and have reviewed proposals for agencies in several other countries on an occasional basis.

- I have served as a referee for promotion and tenure decisions at universities on 5 continents.

I receive ca. 4 papers/grants per week to referee.

Engineering and Physical Sciences Research Council (EPSRC)

- Member of the EPSRC Peer Review College (1 January 2003 -)

Recent Consulting and Related Activities

- Scientific Advisor, ReInnervate Ltd. (2006 - 2011)
- Member of the Industrial Advisory Board for Molecular Engineering, Newcastle University (2005 - 2011)

Royal Society of Chemistry

- Member of the Dalton (Inorganic) Division Council (July 2000 - June 2003)

Canadian Society for Chemistry

- Member of the Nominating Committee of the CSC Division of Inorganic Chemistry (1996 - 1999)
- Member of the Selection Committee for the 1998 CSC Award for Pure or Applied Inorganic Chemistry (1997)
- Symposium organiser: CSC Annual Conference 1997, and Canadian organiser for symposia in Mexico and Hawaii (see below)

Symposia and Conferences

- Member of the International Scientific Committee, IMEBORON Conferences.

- Member of the International Organising Committee, Euroboron Conferences.

- Session Chairman: 16th International Meeting on Boron Chemistry (IMEBORON 16), Hong Kong, China, July 2017.

- Session Chairman: 1st International Conference on Phosphorus, Boron and Silicon (PBSi 2017), Paris, France, July 2017.

- Organizer, symposium on "Novel Molecular and Supramolecular Theory and Synthesis Approaches for Sustainable Catalysis" within the program on 'Green Chemistry for World Needs' at the 45th IUPAC World Chemistry Congress, Busan, Korea, August 9-14, 2015.

- Session Chairman: 5th Asian Conference on Coordination Chemistry (ACCC5), Hong Kong, July 2015.

- Judge, poster and oral presentations of pre-university student research projects, 15th Asian Chemical Congress (15 ACC), Singapore, August 19-23, 2013.

- Organiser, First Research Councils UK (RCUK) UK-China Workshop on "Metals in Organic Synthesis: Towards Cleaner, Greener Chemical Processes," held at Peking University, Beijing, China, January 9-13, 2011.

- Session Chairman, PACIFICHEM 2010, Symposium on "Organoboron, Organosilicon and Organophosphorus as Optoelectronic and Energy-related Materials," Honolulu, Hawaii, December 2010.

- Chairman, Scientific Committee, RSC Dalton Discussion 12 Conference on "Catalytic C-H and C-X Bond Activation," Durham, September 13-15, 2010.

- Session Chairman, Inaugural (1st) International Conference on Molecular and Functional Catalysis, Singapore, July 2010.

- Session Chairman: 23rd International Conference on Organometallic Chemistry (ICOMC), Rennes, France, July 2008.

- Session Chairman: Co-Reach Conference (Co-ordination of Research between the EU and China), The Royal Society, London, June 2007.

- Session Chairman: Symposium on "Recent Developments in Organoboron and Organosilicon Chemistry" for the 5th International Congress of the Pacific Basin Societies, Honolulu, Hawaii, December 2005.

- Co-organiser, Second Durham One-day Symposium on “Synthesis and Applications of Organoboronates,” May 10, 2004.

- Discussion Leader, Royal Society of Chemistry, Dalton Discussion 6, “Organometallic Chemistry and Catalysis,” York University, UK, September 9-11, 2003.

- Member of the Organising Committee, session chairman, and poster judge: 8th International Conference on the Chemistry of the Platinum Group Metals, University of Southampton, July 7-12, 2002.

- Co-organiser, First Durham One-day Symposium on “Synthesis and Applications of Organoboronates,” May 2002.

- Member of the Scientific Committee: 16th International Symposium on Fluorine Chemistry, University of Durham, July 2000.

- Session Chairman, 34th International Conference on Coordination Chemistry, Edinburgh, July 2000.

- Co-organiser, Member of Local Organising Committee, Fund-raiser and Session Chairman: Tenth International Conference on Boron Chemistry (IMEBORON X), University of Durham, July 11-15, 1999.

- Co-editor, "Contemporary Boron Chemistry", book of proceedings from the IMEBORON X conference, published by the Royal Society of Chemistry, 2000.

- Canadian Organiser, Fund-raiser and Session Chairman: Symposium on "Transition Metal Group 13 Compounds Including Their Roles in Catalytic Processes" Fifth Chemical Congress of North America, Cancun, Mexico, November 11-15, 1997.

- Organizer: Symposium on "Catalysis in Organometallic Chemistry: Models, Mechanisms and Applications" 80th National Meeting of the Canadian Society for Chemistry, Windsor, Ontario, June 1997.

- Canadian Organiser and Session Chairman: Symposium on "Metal Complexes of Carbon: The Coordination Chemistry of C_X Ligands" for the 3rd International Congress of the Pacific Basin Societies, Honolulu, Hawaii, December 1995.

- Co-organiser and Fund-raiser: 26th Inorganic Discussion Weekend held at the University of Guelph, Guelph, Ontario, November 1993. Attendance was *ca.* 160.

- Co-organizer, Fund-raiser and Session Chairman: 23rd Inorganic Discussion Weekend held at the University of Waterloo, November 1990. Attendance was *ca.* 150.

- Session Chairman: 11th Canadian Symposium on Catalysis/73rd National Meeting of the Canadian Society for Chemistry, Halifax, N.S., July 1990.

- Session Chairman: Inorganic Division, Third Chemical Congress of North America (joint meeting of the Canadian, American, and Mexican Chemical Societies), Toronto, Ontario, June 1988.

External Thesis Examining (does not include internal examining of M.Sc. and Ph.D. theses at Universities of Waterloo and Guelph: Guelph-Waterloo Centre for Graduate Work in Chemistry, Durham University or the Universität Würzburg)

- External Examiner on Ph.D. Thesis of Dr. L. Chen (student of Prof. Anthony J. Poe), Department of Chemistry, University of Toronto, Toronto, Ontario, Canada, July 1991.

- External Examiner on Ph.D. Thesis of Dr. J.E. Polowin (student of Prof. Michael C. Baird), Department of Chemistry, Queen's University, Kingston, Ontario, Canada, December 1993.

- External Examiner on Ph.D. Thesis of Dr. H. Noglik (student of Prof. William Pietro), Department of Chemistry, University of York, York, Ontario, Canada, August 1995.

- External Examiner on Ph.D. Thesis of Dr. J.M. Nelson (student of Prof. Ian Manners), Department of Chemistry, University of Toronto, Toronto, Ontario, Canada, September 1995.

- External Examiner on Ph.D. Thesis of Dr. Daniel White (student of Prof. David J. Cole-Hamilton), Department of Chemistry, University of St. Andrews, St. Andrews, Scotland, September 2001.

- External Examiner on Ph.D. Thesis of Dr. Jordi Llop i Roig (student of Profs. Francesc Teixidor i Bombardo and Lluis Victori i Companys), Institut Quimica de Sarria, Universitat Ramon Llull, Barcelona, Spain, February 2002.

- External Examiner on Ph.D. Thesis of Dr. Ruiping Wang (student of Prof. Davit Zargarian), Department of Chemistry, University of Montreal, Montreal, Canada, January 2003.

- External Examiner on Ph.D. Thesis of Dr. Sebastien Lachaize (student of Dr. Sylviane Sabo-Etienne), L'Universite Paul Sabatier De Tolouse, Tolouse, France, September 2004.

- External Examiner on Ph.D Thesis of Dr. Michael Ingleson (student of Prof. Andrew Weller), University of Bath, Bath, England, September 2004.

- External Examiner on Ph.D. Thesis of Dr. Andrea Rossin (student of Dr. Simon Aldridge), University of Cardiff, Cardiff, Wales, September 2004.

- External Examiner on Ph.D. Thesis of Dr. Jeroen Sprenger (student of Prof. Kees Elsevier), University of Amsterdam, Amsterdam, The Netherlands, March 2005.

- External Examiner on Ph.D. Thesis of Dr. Suk-Yue Poon (student of Prof. Wai-Yeung Wong), Hong Kong Baptist University, Hong Kong, PR China, August 2005.

- External Examiner on Ph.D. Thesis of Dr. Sarah Rumble (student of Prof. Barbara Messerle), University of New South Wales, Sydney, Australia, January 2006.

- External Examiner on Ph.D. Thesis of Dr. Giovanni D'Andola (student of Prof. Holger Braunschweig and Prof. Tom Welton), Imperial College of Science, Technology and Medicine, London, May 2006.

- External Examiner on Ph.D. Thesis of Dr. Sara Sebelius (student of Prof. Kalman J. Szabo), Stockholm University, Sweden, August 2006.

- External Examiner on Ph.D. Thesis of Dr. Pablo García-Álvarez (student of Prof. Javier Cabeza), University of Oviedo, Spain, December 2006.

- External Examimer on Ph.D. Thesis of Dr. Danielle F. Kennedy (student of Prof. Barbara Messerle), University of New South Wales, Sydney, Australia, September 2007.

- External Examiner on Ph.D. Thesis of Dr. Ciara Pollock (student of Drs. Graham Saunders and Andrew C. Marr), Queen's University Belfast, Northern Ireland, April 2008.

- External Examiner on Ph.D. Thesis of Dr. Greg Welch (student of Prof. Doug Stephan), University of Windsor, Ontario, Canada, August 2008.

- External Examiner on Ph.D. Thesis of Dr. Ana Catarina Gomes (student of Prof. Simon Duckett), University of York, UK, November 2009.

- External Examiner on Ph.D. Thesis of Dr. Kay Green (student of Prof. Mark Humphrey), Australian National University, Australia, March 2010.

- External Examiner on Ph.D. Thesis of Dr. Christian Parker (student of Prof. Michael Bruce), University of Adelaide, Australia, April 2010.

- External Examiner on Ph.D. Thesis of Dr. Hakikulla H. Shah (student of Prof. Muhammad Khan), Sultan Qaboos University, Oman, December 2013.

- External Examiner on Ph.D. Thesis of Dr. Christian Reus (student of Prof. Matthius Wagner), Göthe Universität, Frankfurt, Germany, August 2014.

- External Examiner on Ph.D. Thesis of Dr. Valentine Charra (student of Prof. Pierre Braunstein), University of Strasbourg, France, September 2014.

- External Examiner on Ph.D. Thesis of Dr. Nicolas Ripoche (cotutelle student of Prof. Mark Humphrey, Australian National University, Canberra, Australia, and Prof. Frederic Paul, Universite de Rennes 1, Rennes, France), November 2014.

- External Examiner on Ph.D. Thesis of Dr. Sandra Wei San Choi (student of Prof. Barbara Messerle), University of New South Wales, Australia, December 2015.

- External Examiner on Ph.D. Thesis of Dr. Kaai Tung Chan (student of Chi Ming Che), University of Hong Kong, May 2016.

DEPARTMENTAL AND UNIVERSITY SERVICE: UNIVERSITY OF WATERLOO

Co-Associate Director, Waterloo Centre for Materials Technology
Chairman, Department of Chemistry Safety Committee
Member, Department of Chemistry Executive Committee
Member, Department of Chemistry Awards Committee
Member, Department of Chemistry NMR Users Committee
Member, Department of Chemistry Computer Users Committee
I served as a Department of Chemistry Representative to the Faculty of Science Promotion and Tenure Committee

DEPARTMENTAL AND UNIVERSITY SERVICE: UNIVERSITY OF DURHAM

Member of the Board of Studies of the Department of Chemistry (1997-2012)
Head of Inorganic Teaching Section of the Department of Chemistry (1998-2003)
Head of "Structure, Bonding, Spectroscopy and Theory" Research Grouping, Department of Chemistry (1999-2000)
Head of "Structure, Property and Function" Research Grouping, Department of Chemistry (2000-2009)
Member of the Chairman's Management Advisory Committee of the Department of Chemistry (1998-2003)
International Ambassador, Department of Chemistry (2010-2012)
Member of the Graduate Studies Committee of the Department of Chemistry (1998-2002)
Member of the Appointing Committee for Inorganic Lectureships (1998)
Member of the Appointing Committee for Inorganic Lectureship/Senior Lectureship (1999)
Member of the Appointing Committee for Inorganic Lectureship (2003)
Member of the Appointing Committee for Inorganic Readership (2003)
Core Chemistry 2 - Module Consultant (1998-1999)
Year 4 Topics in Inorganic, Organic and Physical Chemistry - Module Leader (1999-2000)
Year 4 Contemporary Topics in Chemistry - Module Leader (2000-2002)
Year 4 Core Chemistry - Module Leader (2004-2012)
Acting Head of Department (brief periods in 1999, 2000, 2005, 2006, 2008, etc.)
Member of the Board of the Faculty of Science (1997-2012)
Executive Board for the UDIRL - University of Durham Industrial Research Laboratories (1999-2001)

HIGH SCHOOL OUTREACH

Parent Governor and Subject Governor for Science, Board of Governors, Durham Johnston Comprehensive School, Durham, UK (October 2004 – October 2008)

UNIVERSITY SERVICE: UNIVERSITÄT WÜRZBURG

Member, Kommission für Forschungsangelegenheiten (University Commission for Research Affairs)
Member, Internationalisierungskommission (University Commission for Internationalization)

Papers Published

313. J. Merz, J. Fink, A. Friedrich, I. Krummenacher, H.H. Al Mamari, S. Lorenzen, M. Hähnel, A. Eichhorn, M. Moos, M. Holzapfel, H. Braunschweig, C. Lambert, A. Steffen, L. Ji, and T.B. Marder, "Pyrene MO Shuffle – Controlling Excited State and Redox Properties by Changing the Nature of the Frontier Orbitals," *Chem. Eur. J.* **23**: xxxx-xxxx 'accepted article' (2017). DOI: 10.1002/chem.201702594.

312. Z. Wang, Y. Zhou, W.H. Lam, R.D. Dewhurst, H. Braunschweig, T.B. Marder, and Z. Lin, "DFT Studies of Dimerization Reactions of Boroles," *Chem. Eur. J.* **23**: xxxx-xxxx 'accepted article' (2017). DOI: 10.1002/chem.201701737.

311. A.F. Eichhorn, S. Fuchs, M. Flock, T.B. Marder, and U. Radius, "Reversible Oxidative Addition at Carbon," *Angew. Chem. Int. Ed.*, (2017) (accepted March 2017). DOI: 10.1002/anie.201701679R1. *Angew. Chem.*, (2017). DOI: 10.1002/ange.201701679R1.

310. O. Diamond and T.B. Marder, "Methodology and Applications of the Hexahydro-Diels-Alder (HDDA) Reaction," **Invited Review** for special issue on "Novel π-Electron Molecular Scaffolds," *Org. Chem. Frontiers*, **4**, 891-910 (2017). DOI: 10.1039/C7QO00071E.

309. M. Eck, S. Würtemberger-Pietsch, A. Eichhorn, J.H.J. Berthel, R. Bertermann, U. Paul, H. Schneider, A. Friedrich, C. Kleeberg, U. Radius, and T.B. Marder, "B–B Bond Activation and NHC Ring-expansion Reactions of Diboron(4) Compounds, and Accurate Molecular Structures of $B_2(NMe_2)_4$, B_2eg_2, B_2neop_2 and B_2pin_2," *Dalton Trans.,* **46**: 3661-3680 (2017). DOI: 10.1039/C7DT00334J.

308. C. Sieck, D. Sieh, M. Sapotta, M. Haehnel, K. Edkins, A. Lorbach, A. Steffen, and T.B. Marder, "Convenient Synthetic Access to Fluorescent Rhodacyclopentadienesvia Ligand Exchange Reactions," **Invited paper** for John Gladysz 65th birthday issue, *J. Organomet. Chem.*, (2017). DOI: 10.1016/j.jorganchem.2017.02.028.

307. L. Mao, K. Szabó, and T.B. Marder, "Synthesis of Benzyl-, Allyl-, and Allenyl-boronates via Copper-catalyzed Borylation of Alcohols," *Org. Lett.*, **19**: 1204-1207 (2017). DOI: 10.1021/acs.orglett.7b00256.

306. M. Lübtow, I. Helmers, V. Stepanenko, R. Q. Albuquerque, T.B. Marder, and G. Fernandez, "Self-Assembly of 9,10-Bis(phenylethynyl)anthracene (BPEA) Derivatives: Influence of π–π and Hyrdogen Bonding Interactions on Aggregate Morphology and Self-Assembly Mechanism," *Chem. Eur. J.*, **23**: 6198-6205 (2017). DOI: 10.1002/chem.201605989.

305. F.K. Scharnagl, S.K. Bose, and T.B. Marder, "Acylboranes: Synthetic Strategies and Applications," **Invited Review**, *Org. Biomol. Chem.*, **15**: 1738-1752 (2017). DOI: 10.1039/C6OB02425D.

304. L. Ji, S. Griesbeck, and T.B. Marder, "Recent Developments in and Perspectives on Three-Coordinate Boron Materials: A Bright Future," **Invited Review**, *Chem. Sci.*, **8**: 846-863 (2017). DOI: 10.1039/C6SC04245G.

303. S.K. Bose, S. Brand, H.O. Omoregie, M. Haehnel, J. Maier, G. Bringmann, and T.B. Marder, "Highly Efficient Synthesis of Alkylboronate Esters via Cu(II)-Catalyzed Borylation of Unactivated Alkyl Bromides and Chlorides in Air," *ACS Catal.*, **6**: 8332-8335 (2016). DOI: 10.1021/acscatal.6b02918.

302. S. Griesbeck, Z. Zhang, M. Gutmann, T. Lühmann, R.M. Edkins, G. Clermont, A.N. Lazar, M. Haehnel, K. Edkins, A. Eichhorn, M. Blanchard-Desce, L. Meinel, and T.B. Marder, "Water-Soluble Triarylborane Chromophores for One- and Two-Photon Excited Fluorescence Imaging of Mitochondria in Cells," *Chem. Eur. J.*, **22**: 14701-14706 (2016). DOI: 10.1002/chem.201602639.

301. S. Würtemberger-Pietsch, H. Schneider, T.B. Marder, and U. Radius, "Adduct Formation, B-H Activation and Ring Expansion at Room Temperature from Reactions of HBcat with NHCs," *Chem. Eur. J.*, **22**: 13032–13036 (2016). DOI: 10.1002/chem.201603328.

300. L. Ji, M. Haehnel, I. Krummenacher, P. Biegger, F.L. Geyer, O. Tverskoy, M. Schaffroth, J. Han, A. Dreuw, T.B. Marder, and U.H.F. Bunz, "The Radical Anion and Dianion of Tetraazapentacene," *Angew. Chem. Int. Ed.,* **55**: 10498–10501 (2016). DOI: 10.1002/anie.201603177. *Angew. Chem.*, **128**: 10654-10657 (2016). DOI: 10.1002/ange.201603177.

299. E.C. Neeve, S.J. Geier, I.A.I. Mkhalid, S.A. Westcott, and T.B. Marder, "Diboron(4) Compounds: From Structural Curiosity to Synthetic Workhorse," *Chem. Rev.*, **116**: 9091-9161 (2016). DOI: 10.1021/acs.chemrev.6b00193.

298. Z. Zhang, Z. Wang, M. Haehnel, A. Eichhorn, R.M. Edkins, A. Steffen, A. Krueger, Y. Lin, and T.B. Marder, "Synthesis and Fluxional Behaviour of Novel Chloroborole Dimers," *Chem. Commun*., **52**: 9707-9710 (2016). DOI: 10.1039/C6CC04831E.

297. J. Zhou, J.H.J. Berthel, M.W. Kuntze-Fechner, A. Friedrich, T.B. Marder, and U. Radius, "NHC Nickel-Catalyzed Suzuki-Miyaura Cross-Coupling Reactions of Arylboronate Esters with Perfluorobenzenes," *J. Org. Chem.*, **80**: 5789–5794 (2016). DOI: 10.1021/acs.joc.6b01041

296. U.S.D. Paul, C. Sieck, M. Haehnel, K. Hammond, T.B. Marder, and U. Radius, "Useful for Comparison: Cyclic (Alkyl)(Amino)Carbene Complexes of Rhodium and Nickel and their Steric and Electronic Parameters," *Chem. Eur. J.*, **22**: 11005–11014 (2016). DOI: 10.1002/chem.201601406.

295. C. Sieck, M.G. Tay, M.-H. Thibault, R.M. Edkins, K. Costuas, J.-F. Halet, A.S. Batsanov, M. Haehnel, K. Edkins, A. Lorbach, A. Steffen, and T.B. Marder, "Reductive Coupling of Diynes at Rhodium

Gives Fluorescent Rhodacyclopentadienes or Phosphorescent Rhodium 2,2'-Biphenyl Complexes," *Chem. Eur. J.*, **22**: 10523-10532 (2016). DOI: 10.1002/chem.201601912.

294. J. Zhou, M.W. Kuntze-Fechner, R. Bertermann, U.S.D. Paul, J.H.J. Berthel, A. Friedrich, Z. Du, T.B. Marder, and U. Radius, "Preparing (Multi)Fluoroarenes as Building Blocks for Synthesis: Nickel-Catalyzed Borylation of Polyfluoroarenes via C-F Bond Activation," *J. Am. Chem. Soc*., **138**: 5250-5253 (2016). DOI: 10.1021/jacs.6b02337.

293. A.S. Batsanov, J.A. Cabeza, M.G. Crestani, M.R. Fructos, P. García-Álvarez, M. Gille, Z. Lin, and T.B. Marder, "Fully Borylated Methane and Ethane by Ruthenium Mediated Cleavage and Coupling of CO," *Angew. Chem. Int. Ed.* **55**: 4707-4710 (2016). DOI: 10.1002/anie.201601121. *Angew. Chem.* **128**: 4785-4788 (2016). DOI: 10.1002/ange.201601121.

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1. M.G. Davidson, A.K. Hughes, T.B. Marder, and K. Wade (Eds.), "Contemporary Boron Chemistry," Spec. Publ. No. 253, The Royal Society of Chemistry, Cambridge, 2000.

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79. T.B. Marder, "Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates," Keynote Lecture, 16th International Meeting on Boron Chemistry (IMEBORON 16), Hong Kong, China, July 2017.

78. T.B. Marder, "Synthesis, Linear and Nonlinear Optical Properties and Applications of New 3-Coordinate Organoboron Compounds," Plenary Lecture, 1st International Conference on Phosphorus, Boron and Silicon (PBSi 2017), Paris, France, July 2017.

77. T.B. Marder, "Synthesis, Linear and Nonlinear Optical Properties and Applications of New 3-Coordinate Organoboron Compounds," Keynote Lecture, 2nd-International Caparica Conference on Chromogenic and Emissive Materials (IC3EM-2016), Costa de Caparica, Portugal, September 2016.

76. T.B. Marder, "Ruthenium-Promoted Reduction of CO to Tetraborylmethane and Hexaborylethane and NHC-Mediated Cleavage of B-B Bonds," Boron in the Americas (Boram XV), Kingston, Ontario, Canada, June 2016.

75. T.B. Marder, "Building Bridges: International Co-operations in Chemistry for Young and Old," Sino-German Symposium on Main Group Chemistry, Beijing, China, April 2016.

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72. T.B. Marder, "Novel Rhodacyclopentadienes – A New Class of Luminescent Organometallics," PACIFICHEM 2015, Symposium on "Metal-containing π-Conjugated Systems: Syntheses, Properties, Applications," Honolulu, Hawaii, December 2015.

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67. T.B. Marder, "Diethynylmetallacyclopentadienes – A New Class of Luminescent Organometallics," 5th Asian Conference of Coordination Chemistry (ACCC5), Hong Kong, July 2015.

66. T.B. Marder, "Old and New Metals for the Catalytic Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates," Plenary Lecture, 18th IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS 18), Sitges-Barcelona, Spain, June 2015.

65. T.B. Marder, "3-Coordinate Organoboron Compounds for One and Two-Photon Excited Fluorescence," Keynote Lecture, Symposium on "Cutting Edge Molecules for Biological Materials and Imaging Applications" Co-organized by The Hong Kong Polytechnic University (PolyU) and Hong Kong Baptist University (HKBU), Hong Kong, April 2015.

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63. T.B. Marder, "Metal Catalyzed Borylation of C-H AND C-X Bonds: Synthesis of Aryl and Alkyl Boronates," BIT's 5th Annual Global Congress of Catalysis-2014, Qingdao, P.R. China, September 2014.

62. T.B. Marder, "Optical Properties of Three-Coordinate Organoboron Compounds," International Meeting on Boron Chemistry (IMEBORON XV), Prague, Czech Republic, August 2014.

61. T.B. Marder, "Transition Metal Catalysed Borylation of C-H and C-X Bonds," Gordon Research Conference on Organometallic Chemistry, Newport, RI, USA, July 2014.

60. T.B. Marder, "Engineering Organic Crystals Using Arene-Perfluoroarene Interactions," 13th Asian Crystallographic Conference (ASCA'13), Hong Kong, P.R. China, December 2013.

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57. T.B. Marder, "Boron in Novel Materials and Catalysis," 96th Canadian Society for Chemistry Conference, Quebec City, Canada, May 2013.

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31. T.B. Marder, "Synthesis and Properties of Conjugated Organoelement Compounds," 4th Kyoto University Center of Excellence International Symposium, Kyoto, Japan, January 2005.

30. T.B. Marder, "New Observations on Conjugated Materials," Theoretical and Experimental Inorganic Chemistry, A Symposium to Celebrate the 60th Birthday of Professor D. Michael P. Mingos, FRS, Oxford, August 2004.

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28. T.B. Marder, "Transition Metal Catalysed Borylations Including Direct C-H Bond Functionalisation," Anglo/Germano International Conference on Inorganic Chemistry (AGICHEM 2002), University of München, Germany, April 2002.

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16. T.B. Marder, "Observations on the Synthesis and Properties of Transition Metal Acetylides and Other Conjugated Rigid-Rods," Symposium on "Metal Complexes of Carbon: The Coordination Chemistry of C_x Ligands," 1995 International Chemical Congress of the Pacific Basin Societies, Honolulu, Hawaii, December 1995.

15. T.B. Marder, "The Role of Transition Metal Boryl Complexes in Homogeneous Catalysis," Symposium on "Homogeneous Catalysis", 25th Northeast Regional Meeting of the American Chemical Society, Rochester, NY, October 1995.

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12. T.B. Marder, "Optical Properties of Organic and Organometallic Rigid Rod Oligomers and Polymers," 18th Annual Symposium on "Current Contributions in Polymer Science and Engineering," The University of Michigan, Ann Arbor, MI, October 1994.

11. T.B. Marder, "Transition Metal Catalysis in the Preparation of Conjugated Rigid-Rod Organic and Organometallic Oligomers," NATO Advanced Research Workshop (ARW) on "Applications of Organometallic Chemistry in the Preparation and Processing of Advanced Materials," Cap d'Agde, France, September 1994.

10. T.B. Marder, "Rigid-Rod Organic and Organometallic Oligomers," Symposium on "Organometallic Chemistry in Materials Science," 208th National ACS Meeting, Washington, DC, August 1994.

9. T.B. Marder, P. Nguyen, M.J.G. Lesley, S.A. Westcott, N.J. Taylor, N.C. Norman, N. Pickett, and R.T. Baker, "The Role of Transition Metal Boryl Complexes in Homogeneous Catalysis," XVI International Conference on Organometallic Chemistry, Sussex, England, July 1994.

8. S.A. Westcott, H.P. Blom, P. Nguyen, N.J. Taylor, R.T. Baker, J.C. Calabrese, and T.B. Marder, "Transition Metal Catalyzed Hydroboration," Fifth International Conference on the Chemistry of the Platinum Group Metals, St. Andrews, Scotland, July 1993.

7. Z. Yuan, N.J. Taylor, L.-T.A. Cheng, and T.B. Marder, "Nonlinear Optical Properties of Organoboranes," 76th Canadian Chemical Conference, Sherbrooke, Quebec, June 1993.

6. S.A. Westcott, P. Nguyen, H.P. Blom, N.J. Taylor, R.T. Baker, J.C. Calabrese, and T.B. Marder, "Transition Metal Catalyzed Hydroboration," 76th Canadian Chemical Conference, Sherbrooke, Quebec, June 1993.

5. T.B. Marder, "Polymeric Coatings for Non-linear Optics", Functional Coatings in Industry: Development, Applications, Trouble Shooting, Second Annual Seminar/Course, Toronto, Ontario, May 1991.

4. T.B. Marder, "Nonlinear Optical Properties of Rigid-Rod Metal Acetylide Oligomers and Polymers", NATO AR Workshop on "Organometallic Polymers with Special Properties", Cap d'Agde, France, September 1990.

3. T.B. Marder, G. Lesley, Z. Yuan, H. Fyfe, P. Chow, G. Stringer, I.R. Jobe, N.J. Taylor, I.D. Williams, and S.K. Kurtz, "Organics and Organometallics for Nonlinear Optics", Symposium on "Transition Metals in Organic Synthesis", 73rd Canadian Chemical Conference, Halifax, N.S. July 1990.

2. T.B. Marder, "Fundamental Studies of Late Transition Metal Organometallics: Applications to Organic Chemistry and New Materials", Symposium on "Organometallics", 23rd Great Lakes Regional ACS Meeting, Dekalb, IL, May 1990.

1. T.B. Marder, "Modern Inorganic Chemistry and Computers", 9th Biennial Conference of the Science Teachers Association of Ontario, Toronto, Ontario, November 1986.

OTHER INVITED LECTURES

307. Universite de Lyon 1, Lyon, France, June 2017.
303. Indian Institute of Science, Bangalore, India (4 lectures), October 2016.
302. Kings College, London, England, March 2016.
301. Imperial College of Science, Technology and Medicine, London, England, March 2016.
299. 9th CaRLa Winter School on Homogeneous Catalysis, BASF/University of Heidelberg, February 2016 (2 lectures).
298. Laboratoire de Physique et Chimie des Nano-Objets, INSA, Toulouse, France, 2016, February 2016.
297. University of Edinburgh, Edinburgh, Scotland, February 2016 (RSC Award Lecture Tour).
296. University of Durham, Durham, England, February 2016 (RSC Award Lecture Tour).
295. University of Leeds, Leeds, England, January 2016 (RSC Award Lecture Tour).
294. University of Bristol, Bristol, England, January 2016 (RSC Award Lecture Tour).
293. University of Kassel, Kassel, Germany, January 2016 (GDCh Lecture).
292. University of Stuttgart, Stuttgart, Germany, January 2016 (GDCh Lecture).
291. University of Heidelberg, Heidelberg, Germany, December 2015 (Lieseberg-Kolloquium).
290. Peking University, Beijing, China, October 2015.
289. University of Science and Technology China, Hefei, China, October 2015.
288. Shanghai Institute of Organic Chemistry (SIOC), Chinese Academy of Science, Shanghai, China, October 2015.
287. University of Wollongong, Wollongong, Australia, December 2014.
283. Australian National University, Canberra, Australia, November-December 2014, (David Craig Lecture + 3 others).
282. University of Strasbourg, France, September 2014.
281. Merck KGaA - Performance Materials Division, Darmstadt, Germany, June 2014.
280. Albert-Ludwigs-Universität Freiburg, Freiburg, Germany, February 2014.
279. Sultan Qaboos University, Muscat, Oman, December 2013.
278. Shandong University, Jinan, China, December 2013.
277. Shanghai Institute of Organic Chemistry (SIOC), Chinese Academy of Science, Shanghai, China, December 2013.
276. Fudan University, Shanghai, China, December 2013.
274. Jiangnan University, Wuxi, China, November 2013 (2 lectures).
273. Humboldt University, Berlin, Germany, November 2013.
272. RIKEN, Advanced Science Institute, Tokyo, Japan, November 2013.
271. Institute for Materials Research and Engineering (IMRE), Singapore, August 2013.
270. Universität Hamburg, Hamburg, Germany, January 2013.
269. RWTH Aachen, Aachen, Germany, January 2013, (GDCh Lecture).
268. Technische Universität Carolo-Wilhelmina zu Braunschweig, Braunschweig, Germany, December 2012, (GDCh Lecture).
267. Eberhard-Karls-Universität Tübingen, Tübingen, Germany, June 2012, (Graduate Student Seminar Series on 'Modern Organometallic Catalysis - Research for Energy Efficient Reactions').
266. Northwest A & F University, Yanling, China, April 2012.
265. Shandong University, Jinan, China, April 2012.
264. Northeast Normal University, Changchun, China, April 2012.

263. Jilin University, Changchun, China, April 2012.
262. Tsinghua University, Beijing, China, April 2012.
261. Bristol University, Bristol, England, November 2011, (supporting lecture in the Gordon Stone Lecture Symposium).
260. Brock University, St. Catherines, Ontario, Canada, September 2011.
259. Technical University Munich, Munich, Germany, April 2011.
258. Tsinghua University, Beijing, China, January 2011.
257. University of Hawaii at Manoa, Honolulu, Hawaii, December 2010.
256. University of Manchester, Manchester, England, November 2010.
255. Institute for Materials Research and Engineering, Singapore, July 2010.
254. UNIMAS, Sarawak, Malaysia, July 2010.
253. University of Edinburgh, June 2010.
251. Research Institute for Innovation in Sustainable Chemistry, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan, April 2010 (2 lectures).
250. Tohoku University, Sendai, Japan, April 2010.
249. Hokkaido University, Sapporo, Japan, April 2010.
248. Muroran Institute of Technology, Muroran, Japan, April 2010.
247. Ryuku University, Okinawa, Japan, April 2010.
246. Kyoto University, School of Engineering, Kyoto, Japan, April 2010.
245. Kyoto University, School of Science, Kyoto, Japan, April 2010.
244. Nagoya University, Nagoya, Japan, April 2010.
243. Tokyo Institute of Technology, Tokyo, Japan, April 2010.
241. University of Tokyo, Tokyo, Japan, April 2010 (2 lectures).
240. Universite de Rennes 1, Rennes, France, March 2010.
239. Universität Würzburg, Würzburg, Germany, February 2010.
238. Goethe-Universität Frankfurt, Frankfurt, Germany, February 2010.
236. Wuhan University, Wuhan, China, January 2010 (2 lectures).
235. Shandong University, Jinan, China, January 2010.
234. Jilin University, Changchun, China, January 2010.
233. City University of Hong Kong, Hong Kong, November 2009.
232. York University, York, England, November 2009.
231. Hokkaido University, Sapporo, Japan, October 2009.
230. Emory University, Atlanta, GA, USA, June 2009.
229. Georgia Institute of Technology, Atlanta, GA, USA, June 2009.
228. Sultan Qaboos University, Muscat, Oman, May 2009.
227. University of Reading, Reading, England, May 2009.
226. Laboratory of Chemical Genomics, Shenzhen Graduate School, Peking University, Shenzhen, China, April 2009.
225. University of Wuhan, Wuhan, China, April 2009.
224. Northwest A & F University, Yanling, China, April 2009.
222. Shandong University, State Key Lab for Crystal Materials, Jinan, China, April 2009 (2 lectures).
221. Peking University, Beijing, China, April 2009.
220. Institute of Chemistry, Chinese Academy of Science (ICCAS), Beijing, China, April 2009.
219. University of Western Ontario, London, Ontario, Canada, August 2008.

218. University of Windsor, Windsor, Ontario, Canada, August 2008.
217. University of Toronto, Toronto, Ontario, Canada, August 2008.
216. York University, York, England, July 2008.
215. Syngenta, Jealott's Hill International Research Centre, Bracknell, England, June 2008.
214. Sultan Qaboos University, Muscat, Oman, May 2008.
213. University of Bristol, Bristol, England, May 2008.
212. Queen's University Belfast, Belfast, Northern Ireland, April 2008.
211. Hong Kong University of Science and Technology, Hong Kong, April 2008.
210. University of Wuhan, Wuhan, China, April 2008.
209. Shandong University, State Key Lab for Crystal Materials, Jinan, China, April 2008.
208. Philipps-Universität Marburg, Marburg, Germany, March 2008.
207. University of Frankfurt, Frankfurt, Germany, March 2008.
206. Universität Würzburg, Würzburg, Germany, March 2008.
205. University of Regensburg, Regensburg, Germany, March 2008.
204. University of New South Wales, Sydney, Australia, January 2008.
203. Monash University, Melbourne, Australia, January 2008.
202. CSIRO, Health and Molecular Sciences, Melbourne, Australia, January 2008.
201. University of Melbourne, Bio21 Institute, Melbourne Australia, January 2008.
200. Australian National University, Canberra, Australia, January 2008.
199. Dowpharma, Chirotech Technology Ltd., Cambridge, June 2007.
198. City University of Hong Kong, April 2007.
197. Dalian Institute of Chemical Physics, CAS, & AllyChem Co. Ltd., Dalian, China, April 2007.
196. Peking University, Beijing, China, April 2007.
195. University of Wuhan, Wuhan, China, April 2007.
194. Chinese University of Hong Kong, Hong Kong, April 2007.
193. Hong Kong Baptist University, Hong Kong, April 2007.
192. Hong Kong University, Hong Kong, April 2007.
191. Universität Würzburg, Würzburg, Germany, March 2007.
190. Oxford University, Oxford, England, January 2007.
189. University of Frankfurt, Frankfurt, Germany, January 2007.
188. Max Plank Institute for Polymer Chemistry, Mainz, Germany, January 2007.
187. Philipps-Universität Marburg, Marburg, Germany, January 2007.
186. CNRS Laboratoire de Chimie de Coordination, Toulouse, France, December 2006.
185. University of Oviedo, Oviedo, Spain, November 2006.
184. Université de Rennes I, Rennes, France, November 2006.
183. Queen Mary College, University of London, November 2006.
182. Queen's University, Kingston, Ontario, Canada, September 2006.
181. University of Ottawa, Ottawa, Ontario, Canada, September 2006.
179. University of Montreal, Montreal, Canada, September 2006 (2 lectures).
178. Stockholm University, Sweden, September 2006.
177. Hong Kong University, Hong Kong, April 2006.
176. Peking University, Beijing, China, March 2006.
175. Beijing University of Chemical Technology, Beijing, China, March 2006.

174. Laboratory of Chemical Genomics, Shenzhen Graduate School, Peking University, Shenzhen, China, March 2006.
173. Hong Kong Baptist University, Hong Kong, March 2006.
172. Hong Kong University of Science and Technology, Hong Kong, March 2006.
171. University of Hawaii at Manoa, Honolulu, Hawaii, December 2005.
170. Research Institute for Innovation in Sustainable Chemistry, National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan, September 2005.
169. University of Tokyo, Tokyo, Japan, September 2005.
168. Kyoto University, Kyoto, Japan, September 2005.
167. Universidad Autónoma del Estado de Morelos, Cuernavaca, Morelos, México, June 2005.
166. Instituto de Química, UNAM, México, June 2005.
165. Massachusetts Institute of Technology, Cambridge, MA, USA, June 2005.
164. Université de Rennes I, Rennes, France, May 2005.
163. Hong Kong Baptist University, Hong Kong, April 2005.
162. Hong Kong University of Science and Technology, Hong Kong, March 2005.
161. Hong Kong University, Hong Kong, March 2005.
160. Universiteit van Amsterdam, Amsterdam, The Netherlands, March 2005.
159. Universität Würzburg, Würzburg, German, January 2005.
158. University of Osaka, Osaka, Japan, January 2005.
157. University of Cardiff, Cardiff, Wales, October 2004.
156. University of Bath, Bath, England, October 2004.
155. University of Newcastle upon Tyne, Newcastle, England, September 2004.
154. CNRS Laboratoire de Chimie de Coordination, Toulouse, France, September 2004.
153. University of Toronto, Toronto, Ontario, Canada, May 2004.
152. University of Hawaii at Manoa, Honolulu, Hawaii, April 2004.
151. Peking University, Beijing, China, February 2004.
150. Beijing University of Chemical Technology, Beijing, China, February 2004.
149. University of Wuhan, Wuhan, China, February 2004.
148. Hong Kong University, Hong Kong, February 2004.
147. City University of Hong Kong, February 2004.
146. Hong Kong Baptist University, Hong Kong, February 2004.
145. Chinese University of Hong Kong, Hong Kong, February 2004.
144. University College Dublin, Republic of Ireland, October 2003.
143. Université de Rennes I, Rennes, France, May 2003.
142. Research Institute for Green Technology, National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan, April 2003.
141. Hokkaido University, Sapporo, Japan, April 2003.
140. Inha University, Incheon, Korea, April 2003.
139. University of Hawaii, Honolulu, Hawaii, April 2003.
138. Hong Kong University of Science and Technology, Hong Kong, March 2003.
137. University of Manchester Institute of Science and Technology, Manchester, England, February 2003.
136. Royal Society of Chemistry, Southeast Wales Local Section Lecture, Cardiff, Wales, January 2003.
135. University of Leicester, Leicester, England, December 2002.
134. University of Leeds, Leeds, England, December 2002.

133. McGill University, Montreal, Canada, August 2002.
132. University of Montreal, Montreal, Canada, August 2002.
131. University of Sheffield, Half-day Symposium, Sheffield, England, April 2002.
130. University of Liverpool, Liverpool, England, March 2002.
129. University of Bath, Bath, England, March 2002.
128. ICMAB-CSIC, U.A.B. Campus, Bellaterra, Spain, February 2002.
127. University of South Carolina, Columbia, South Carolina, August 2001.
126. Imperial College of Science, Technology and Medicine, London, England, June 2001.
125. University of Durham, Inaugural Lecture, Durham, England, June 2001.
124. University of Durham, Dept. of Physics, Condensed Matter Seminar, Durham, England, March 2001.
123. University of Bristol, Bristol, England, March 2001.
122. University College, London, England, February 2001.
121. University of Glasgow, (Glasgow University Alchemists' Club), Glasgow, Scotland, November 2000.
120. The Hong Kong Polytechnic University, Hong Kong, April 2000.
119. Hong Kong University of Science and Technology, Hong Kong, April 2000.
118. Johnson Matthey Technology Centre, Reading, England, March 2000.
117. Coventry University (RSC Lecture), Coventry, England, March 2000.
116. University of Warwick (RSC Lecture), Coventry, England, December 1999.
115. Oxford University, Oxford, England, March 1999.
114. Rutgers University, Newark, New Jersey, February 1999.
113. Columbia University, New York, New York, February 1999.
112. University of Edinburgh, Edinburgh, Scotland, January 1999.
111. Osaka University, Osaka, Japan, September 1998.
110. Kyoto University, Kyoto, Japan, September 1998.
109. Hokkaido University, Sapporo, Japan, September 1998.
107. National Institute of Materials and Chemical Research, Tsukuba, Ibaraki, Japan, September 1998 (2 lectures).
106. York University, York, England, February 1998.
105. University of Strathclyde, Glasgow, Scotland, February 1998.
104. Cambridge University, Cambridge, England, February 1998.
103. Universiteit van Amsterdam, Amsterdam, The Netherlands, January 1998.
102. Shell Research and Technology Centre Amsterdam, The Netherlands, January 1998.
101. Callery Chemical Company, Pittsburgh, Pennsylvania, August 1996.
100. University of Exeter, Exeter, England, May 1996.
99. University of Birmingham, Birmingham, England, May 1996.
98. Oxford University, Oxford, England, May 1996.
97. Dartmouth College, Hanover, New Hampshire, April 1996.
96. University of New Hampshire, Durham, New Hampshire, April 1996.
95. Novacor Research and Technology Corporation, Calgary, Alberta, February 1996.
94. University of Lethbridge, Lethbridge, Alberta, February 1996.
93. University of Calgary, Calgary, Alberta, February 1996.
92. University of Alberta, Edmonton, Alberta, February 1996.
91. Laurentian University, Sudbury, Ontario, January 1996.
90. York University, York, Ontario, September 1995.

89. University of Toronto, Toronto, Ontario, August 1995.
88. The Steacie Institute for Molecular Sciences, National Research Council of Canada, Ottawa, June 1995.
87. University of Warwick (Symposium on 'Recent Advances in Organometallics'), Coventry, England, May 1995.
86. York University, York, England, May 1995.
85. Heriot-Watt University, Edinburgh, Scotland, May 1995.
84. University of Western Ontario, London, Ontario, February 1994.
83. Université de Montréal, Montréal, Quebec, January 1994.
82. McGill University, Montréal, Quebec, 1994.
81. University of Ottawa, Ottawa, Ontario, January 1994.
80. Queen's University, Kingston, Ontario, December 1993.
79. Akron ACS Local Section Topical Lecture, Akron, Ohio, November 1993.
78. Imperial College of Science, Technology and Medicine, London, England, July 1993.
77. Université Pierre et Marie Curie, Paris, France, June 1993.
76. Université de Brest, Brest, France, June 1993.
75. CNRS Laboratoire de Chimie de Coordination, Toulouse, France, June 1993.
71. Université de Rennes I, Rennes, France, June 1993 (4 lectures).
70. University of Glasgow, Glasgow, Scotland, June 1992.
69. Cambridge University, Cambridge, England, June 1992.
68. Oxford University, Oxford, England, May 1992.
67. University of Newcastle-upon-Tyne, Newcastle, England, May 1992.
66. University of Durham, Durham, England, May 1992.
65. University College (University of London), London, England, March 1992.
64. University of Bath, Bath, England, March 1992.
63. University of Bristol, Bristol, England, March 1992.
62. University of Illinois, Urbana, Illinois, February 1992.
61. University of Wisconsin, Madison, Wisconsin, February 1992.
60. Northwestern University, Evanston, Illinois, February 1992.
59. Purdue University, West Lafayette, Indiana, February 1992.
58. University of Indiana, Bloomington, Indiana, February 1992.
57. University of California at Los Angeles, Los Angeles, California, February 1992.
56. California Institute of Technology, Pasadena, California, February 1992.
55. University of California at Irvine, Irvine, California, January 1992.
54. University of California at San Diego, San Diego, California, January 1992.
53. State University of New York at Buffalo, Buffalo, New York, December 1991.
52. University of Maryland, College Park, Maryland, October 1991.
51. University of Toronto, Toronto, Ontario, July 1991.
50. University of Sheffield, Sheffield, England, April 1991.
49. University of Newcastle upon Tyne, Newcastle, England, April 1991.
48. Wayne State University, Detroit, Michigan, November 1990.
47. Cambridge University, Cambridge, England, September 1990.
46. DuPont Canada Ltd., Kingston, Ontario, March 1990.
45. University of Victoria, Victoria, B.C., March 1990.
44. University of British Columbia, Vancouver, B.C., February 1990.
43. Simon Fraser University, Burnaby, B.C., February 1990.

42. University of Washington, Seattle, Washington, February 1990.
41. University of Alberta, Edmonton, Alberta, February 1990.
40. McMaster University, Hamilton, Ontario, January 1990.
39. University of Pennsylvania, Philadelphia, Pennsylvania, February 1989.
38. University of Delaware, Newark, Delaware, February 1989.
37. DuPont Central Research and Development, Wilmington, Delaware, February 1989.
36. University of California at Santa Barbara, Santa Barbara, California, November 1988.
35. University of New Mexico, Albuquerque, New Mexico, November 1988.
34. University of Arizona, Tucson, Arizona, November 1988.
33. California Institute of Technology, Pasadena, California, November 1988.
32. University of Warwick, Coventry, England, August 1988.
31. State University of New York at Buffalo, Buffalo, New York, May 1988.
30. University of Rochester, Rochester, New York, May 1988.
29. Cornell University, Ithaca, New York, May 1988.
28. Kings College (University of London), London, England, May 1987.
27. Oxford University, Oxford, England, May 1987.
26. Brown University, Providence, Rhode Island, April 1987.
25. University of Guelph, Guelph, Ontario, February 1987.
24. Dalhousie University, Halifax, Nova Scotia, December 1986.
23. Saint Mary's University, Halifax, Nova Scotia, December 1986.
22. University of Windsor, Windsor, Ontario, October 1986.
21. University of Western Ontario, London, Ontario, June 1986.
20. University of Alabama, University, Alabama, June 1986.
19. Monsanto Company, St. Louis, Missouri, June 1986.
18. Oxford University, Oxford, England, September 1985.
17. University of Bristol, Bristol, England, September 1985.
16. Université Louis Pasteur, Strasbourg, France, September 1985.
15. University of Indiana, Bloomington, Indiana, July 1985.
14. Purdue University, West Lafayette, Indiana, July 1985.
13. Exxon Research and Engineering Co., Annandale, New Jersey, May 1985.
12. AT&T Bell Laboratories, Murray Hill, New Jersey, May 1985.
11. Princeton University, Princeton, New Jersey, May 1985.
10. University of Wisconsin, Madison, Wisconsin, November 1984.
9. Massachusetts Institute of Technology, Cambridge, Massachusetts, September 1984.
8. California Institute of Technology, Pasadena, California, June 1984.
7. University of California at Los Angeles, Los Angeles, California, June 1984.
6. University of Durham, Durham, England, May 1983.
5. University of Edinburgh, Edinburgh, Scotland, May 1983.
4. University of Strathclyde, Glasgow, Scotland, May 1983.
3. Imperial Chemical Industries, New Science Group, Runcorn, England, July 1982.
2. University of Leeds, Leeds, England, May 1982.
1. University of Bristol, Bristol, England, February 1982.