

-Tony David James-

Personal Details:

Date of Birth	7 October 1964	Place of Birth:	Broseley, Shropshire (UK).
Nationality:	British	Marital Status:	Married
Home Address:	18 Colliers Rise Radstock Bath BA3 3AU, UK Tel: +44 (0) 1761 420766	Work Address:	Department of Chemistry University of Bath Bath BA2 7AY, UK Tel: +44 (0) 1225 38 3810 Fax: +44 (0) 1225 38 6231 Email: T.D.James@Bath.ac.uk web: www.chemosensors.com

Current Position:

Professor at the University of Bath Since 2011

Previous Positions:

Reader at the University of Bath	2007-2011
Senior Lecturer at the University of Bath	2005-2007
Lecturer at the University of Bath	2000-2005
Royal Society Research Fellow at the University of Bath	2000-2003
Royal Society Research Fellow at the University of Birmingham	1995-2000
Research Fellow for the Research Development Corporation of Japan (JRDC)	1991-1995

Educational Institutions Attended:

University of East Anglia (UK)	1983-1984
University of Massachusetts (USA)	1984-1985
University of East Anglia (UK)	1985-1986
University of Victoria (Canada)	1986-1991

Degrees Awarded:

Ph.D	University of Victoria (Canada)	1991
Dissertation Title:	<i>Structure-Activity Studies of Ion Channel Mimics</i>	
B.Sc. (First Class, Honours)	University of East Anglia (UK)	1986

Professional Memberships:

Fellow of the Royal Society of Chemistry (CChem, FRSC). Since September 1997

Honours and Awards:

Prize for best performance in the Preliminary Assessment	1984
Prize for distinguished performance in the Final Assessment	1986
Fisons prize for best performance in Advanced Organic Chemistry	1986
Fisons prize for best performance in Advanced Physical Organic Chemistry	1986
University of Victoria Fellowship	1986-1990
Lewis J. Clarke Memorial Fellowship	1989-1990
Royal Society Research Fellow	1995-2003
Visiting Professor at the University of Tsukuba (University of Tsukuba)	2005
Visiting Professor at the University of Osaka (21 st Century COE Program: Creation of Integrated Eco Chemistry)	2005
Visiting Professor at Kyushu University (JSPS)	2008
Guest Professor at East China University of Science and Technology (ECUST)	2010
Guest Professor at Xiamen University	2010
Hai-Tian Scholar at Dalian University of Technology	2010
Guest Professor at Shandong Normal University	2011
Concurrent Professor at Nanjing University	2013
Daiwa- Adrian Prize	2013

Current research interests include: -Supramolecular chemistry - Sensor design - Chiral recognition - Saccharide recognition - Anion recognition - Synthetic organic chemistry - Combinatorial chemistry - Asymmetric synthesis

TDJ has wide-ranging experience within the field of supramolecular chemistry having published over 170 publications, including one book, 9 book chapters and 163 papers in international peer reviewed journals. He is also the named inventor on 23 international patents. He has delivered 153 invited lectures within the UK and internationally. Citation statistics indicate that one of his publications has been cited over 500 times, four over 300, seven over 200 times, eleven over 100, and 41 over 50, with a total of >7,200 citations from 163 papers at a frequency of >41 citations per paper. He has an h-index of 46.

Publications

Books

- [1] '**Boronic acids in saccharide recognition**' T. D. James, M. D. Phillips and S. Shinkai, Royal Society of Chemistry, **2006**. ISBN-13 978 0 85404 537 2

Chapters in Books

- [1] '**Carbohydrate receptors**' A. P. Davis and T. D. James in Functional Synthetic Receptors, T. Schrader and A. D. Hamilton, (eds.), Wiley-VCH, **2005**, 45-110.
- [2] '**Boronic acid based receptors and sensors for saccharides**' T. D. James in Boronic acids in Organic Synthesis and Chemical Biology, D. G. Hall. (ed.), Wiley-VCH, **2005**, 441-480.
- [3] '**Fluorescent saccharide sensors**' T. D. James and S. Shinkai in Topics in Fluorescence Spectroscopy,(Vol 10), Advanced Concepts in Fluorescence Spectroscopy: Macromolecular Sensing, C. D. Geddes and J. R. Lakowicz. (eds.), Springer, **2005**, 41-67.
- [4] '**Fluorescent TICT sensors for saccharides**' L. I. Bosch and T. D. James in Topics in Fluorescence Spectroscopy,(Vol 11), Glucose Sensing, C. D. Geddes and J. R. Lakowicz. (eds.), Springer, **2006**, 344-350.
- [5] '**Molecular Recognition Using Boronic Acids**' T. D. James in Chemistry, Physics, and Biology in Macromolecular Science, Takahiro Sato (ed.), Osaka University Press, **2008**.
- [6] '**Boronic acid based modular fluorescent saccharide sensors**' in Annual Reviews in Fluorescence, C. D. Geddes and J. R. Lakowicz. (eds.), Springer, **2009**, 103-118.
- [7] '**Boronic Acid Based Receptors**' Supramolecular Chemistry: From Molecules to Nanomaterials (ISBN 978-0-470-74640-0), J.W. Steed and P.A. Gale (eds). John Wiley & Sons Ltd, Chichester, UK, pp 1345-1380.
- [8] '**Spectroscopic Analysis: Diastereomeric Derivatization for Spectroscopy**' in Comprehensive Chirality, (ISBN 9780080951676) M. E. Powell, C. D. Evans, P. S. Fordred, S. D. Bull, and T. D. James, Elsevier, **2012**
- [9] '**Analysis of protein glycation using phenylboronate acrylamide gel electrophoresis**'. M. P. Morais, J. S. Fossey, T. D. James, J. M van den Elsen, *Methods Mol Biol.* **2012**, 869, 93-109

Articles in Journals

- [1] '**Alkylation of tricarbonyliron complexes by trimethylsilyl cyanide: synthetic and kinetic studies**' R. P. Alexander, T. D. James, and G. R. Stephenson, *J. Chem. Soc., Dalton Trans.* **1987**, 2013-2016.
- [2] '**Biomimetic ion transport: a functional model of a unimolecular ion channel**' V. E. Carmichael, P. J. Dutton, T. M. Fyles, T. D. James, J. A. Swan, and M. Zojaji, *J. Am. Chem. Soc.* **1989**, 111, 767-769.
- [3] '**Biomimetic ion transport: synthesis and activity of an amphotericin mimic**' T. M. Fyles, K. C. Kaye, T. D. James, and D. W. M. Smiley, *Tetrahedron Lett.* **1990**, 31(9), 1233-1236.
- [4] '**Biomimetic ion transport: pores and channels in vesicle membranes**' V. E. Carmichael, P. J. Dutton, T. M. Fyles, T. D. James, C. McKim, J. A. Swan, and M. Zojaji, Inclusion Phenomena and molecular Recognition, Edited by J. Atwood, Plenum Press, New York, **1990**, 145-150.
- [5] '**Biomimetic ion transport: on the mechanism of ion transport by an artificial ion channel mimic**' T. M. Fyles, T. D. James, K. C. Kaye, *Can. J. Chem.*, **1990**, 68, 976-978.
- [6] '**Design and synthesis of artificial ion channels**' G. G. Cross, T. M. Fyles, T. D. James, and M. Zojaji, *Synlett.* **1993**, 449-460.
- [7] '**Activities and modes of action of artificial ion channels**' T. M. Fyles, T. D. James, and K. C. Kaye, *J. Am. Chem. Soc.* **1993**, 115, 12315-12321.
- [8] '**Assembly of ion channel mimics. from a modular construction set**' T. M. Fyles, T. D. James, A. Pryhitka, and M. Zojaji, *J. Org. Chem.* **1993**, 58, 7456-7468.
- [9] '**Determination of the absolute configuration of monosaccharides by a colour change in a chiral cholesteric liquid crystal system**' T. D. James, T. Harada, and S. Shinkai, *J. Chem. Soc., Chem. Commun.* **1993**, 857-860 and 1176 (corrigendum).
- [10] '**Chiral discrimination of monosaccharides through gel formation**' T. D. James, K. Murata, T. Harada, K. Ueda, and S. Shinkai, *Chem. Lett.*, **1994**, 273-276.
- [11] '**Chiral discrimination of monosaccharides by monolayers of a steroidal boronic acid**' R. Ludwig, T. Harada, K. Ueda, T. D. James, and S. Shinkai, *J. Chem. Soc., Perkin Trans. 2* **1994**, 4, 697-702.
- [12] '**The allosteric interaction of metal ions with saccharides in a crowned diboronic acid**' G. Deng, T. D. James, and S. Shinkai, *J. Am. Chem. Soc.* **1994**, 116, 4567-4572.
- [13] '**Novel photoinduced electron transfer sensor for saccharides based on the Interaction of Boronic acid and Amine**' T. D. James, K. R. A. S. Sandanayake, and S. Shinkai, *J. Chem. Soc., Chem. Commun.* **1994**, 477-478.
- [14] '**The design of a glucose selective molecular fluorescence sensor**' T. D. James, K. R. A. S. Sandanayake, and S. Shinkai, *Angew. Chem., Int. Ed. Engl.* **1994**, 33, 2207-2209.
- [15] '**Cholesterol as a versatile platform for chiral recognition**' T. D. James, H. Kawabata, R. Ludwig, K. Murata, and S. Shinkai, *Tetrahedron* **1995**, 51(2), 555-566.
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- [20] **'The synthesis and properties of a calixarene-based "sugar bowl"'** P. Linnane, T. D. James, and S. Shinkai, *J. Chem. Soc., Chem. Commun.* **1995**, 1997-1998.
- [21] **'Novel saccharide photoinduced electron transfer sensors based on the interaction of boronic acid and amine'** T. D. James, K. R. A. S. Sandanayake, R. Iguchi, and S. Shinkai, *J. Am. Chem. Soc.* **1995**, 117, 8982-8987.
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Ewha W.U. Seoul, South Korea
Title: Molecular Recognition using Boronic acids

- [4] **First International Symposium on Atomic Technology for Molecular Functions (ISATMF). (2007)**
Tsukuba Research Centre for Interdisciplinary Materials Science (TIMS), University of Tsukuba, Tsukuba, Japan
Title: Molecular Recognition using Boronic acids
- [5] **Southampton Supramolecular Chemistry Symposium SSCS-5. (2008)**
University of Southampton, Southampton, UK
Title: Molecular Recognition using Boronic acids
- [6] **The 2nd Workshop on Fluorescence Chemosensors and Bio-imaging (2010)**
Dalian University of Technology, Dalian, China
Title: Boronic acid based receptors for carbohydrate detection and potential disease diagnosis
- [7] **Catalysis and Sensing for our Environment (2012)**
Shanghai Institute for Organic Chemistry (SIOC), Shanghai, China
Title: Sensing for Health using Boronic Acids
- [8] **The 3rd International Symposium on Organic Synthesis and Drug Development (ISOSDD'2012)**
Changzhou, China
Title: Sensing for Health using Boronic Acids
- [9] **9th Host-Guest Chemistry Symposium**
Hokkaido University, Sapporo, Japan
Title: Sensing for Health using Boronic Acids
- [10] **3rd Molecular Sensors and Molecular Logic Gates (MSMLG)**
Korea University, Seoul, Korea
Title: Sensing for Health using Boronic Acids
- [11] **RSC Carbohydrate COST Meeting 2012**
University of Birmingham, Birmingham, UK
Title: Sensing for Health using Boronic Acids
- [12] **New Horizons In Natural Product Chemistry 2012**
University of Nottingham, Nottingham, UK
Title: Sensing for Health using Boronic Acids
- [13] **Catalysis and Sensing for our Environment (2013)**
University of Texas at Austin, Austin, Texas, USA.
Title: Molecular Recognition Using Boronic Acids
- [14] **ISACS10: "Challenges in Organic Materials and Supramolecular Chemistry" (2013)**
University of Kyoto, Kyoto, Japan.
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [15] **New Trends of Nano- or Bio-Materials Design in Supramolecular Chemistry NNBS (2013)**
Centennial Hall, Kyushu University, Fukuoka, Japan
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [16] **1st International Forum on Applied Chemistry (2014)**
TMU, Tokyo, Japan
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly

Lectures Presented at Scientific Meetings

- [1] **Third Chemical Congress of North America. (1988)**
Toronto, Ontario, Canada.
Title: *Supramolecular Pore-formers: Bola Amphiphilic Mimics of Pore-forming Antibiotics.*
- [2] **54th Applied Physics Conference. (1993)**
Hokkaido University, Hokkaido, Japan.
Title: *Chiral Discrimination of Monosaccharides by Colour and Gel Formation.*
- [3] **ERATO Symposia. (1993)**
Keidanren Kaikan, Tokyo, Japan.
Title: *High-Ordered Molecular Recognition: Molecular Recognition of Saccharides and its Application.*
- [4] **Polymer Conference: Research Meeting for Bio-Polymer Division. (1994)**
Tsuyazaki, Fukuoka, Japan .
Title: *Cholesterol as a Versatile Platform for Chiral Recognition.*
- [5] **Joint Dutch and Japanese (ERATO) Symposium. (1995)**
University of Twente, Enschede, The Netherlands.
Title: *Selective Saccharide Sensing With Di-Boronic Acids.*
Title: *Cholesterol as a Versatile Platform for Chiral Recognition.*
- [6] **Photonics West. (1999)**
San Jose, California, USA.
Title: *Fluorescent Sensors Based on Boronic Acids*

- [7] **RSC SW Regional Meeting. (2000)**
University of Reading, Reading, England.
Title: Boronic acids for Molecular Recognition
- [8] **26th International Symposium on Macrocyclic Chemistry. (2001)**
Sea Hawks Resort, Fukuoka, Japan
Title: Molecular Recognition using Boronic acids
- [9] **Colour Chemistry in the 21st Century. (2002)**
SCI, Belgrave Square, London, UK.
Title: Colourimetric Sensors
- [10] **RSC SW Regional Meeting. (2004)**
School of Chemistry, University of Bristol, England
Title: Fluorescent Sensors
- [11] **6th Annual Supramolecular Meeting in Ireland. (2005)**
Department of Chemistry, Trinity College Dublin, Dublin, Ireland.
Title: Molecular Recognition using Boronic acids:
- [12] **Gregynog Synthesis Symposium. (2005)**
Gregynog, Wales.
Title: Molecular Recognition using Boronic acids
- [13] **Boronic acids Symposium at Pacifichem. (2005)**
Pacifichem 2005, Honolulu, Hawaii, USA.
Title: Chiral Recognition Using Boronic Acid Based Sensors
- [14] **Fun Day of Chemistry. (2006)**
Trinity College Dublin, Dublin, Ireland
Title: Molecular Recognition using Boronic acids
- [15] **American Chemical Society, 232nd National Meeting & Exposition (2006)**
San Francisco, California, U.S.A.
Title: A simple protocol for NMR analysis of the enantiomeric purity of primary amines and diols
- [16] **American Chemical Society, 232nd National Meeting & Exposition (2006)**
San Francisco, California, U.S.A.
Title: Chiral Recognition Using Boronic Acid Based Sensors
- [17] **American Chemical Society, 233rd National Meeting & Exposition (2007)**
Chicago, Illinois, U.S.A.
Title: Boronic acids as sensors for anions
- [18] **Fun Day of Chemistry. (2008)**
Trinity College Dublin, Dublin, Ireland
Title: Molecular Recognition using Boronic acids
- [19] **Ewha NanoBio 3rd International Symposium. (2008)**
Ewha W.U. Seoul, South Korea
Title: Molecular Recognition using Boronic acids
- [20] **The 2008 Korea-Japan Symposium on Frontier Photoscience. (2008)**
Ramada Plaza Hotel, Jeju, South Korea
Title: Molecular Recognition using Boronic acids
- [21] **Catalysis and Sensing for our Environment CASE08. (2008)**
University of Bath, Bath, UK
Title: Molecular Recognition using Boronic acids
- [22] **Supra-Nano 2008. (2008)**
University of Birmingham, Birmingham, UK
Title: Molecular Recognition using Boronic acids
- [23] **American Chemical Society, 238th National Meeting & Exposition (2009)**
Washington DC, U.S.A.
Title: Analysis of protein glycation using phenylboronate acrylamide gel electrophoresis
- [24] **The 13th Asian Chemical Congress (2009)**
Shanghai International Convention Centre, Shanghai, China
Title: Simple protocols for NMR analysis of enantiomeric purity
- [25] **Catalysis and Sensing for our Environment CASE09. (2009)**
East China University of Science and Technology, Shanghai, China
Title: Molecular Recognition using Boronic acids
- [26] **10th Annual Supramolecular Meeting in Ireland. (2009)**
Department of Chemistry, Trinity College Dublin, Dublin, Ireland.
Title: Molecular Recognition using Boronic acids

- [27] **BioNano Workshop. (2010)**
Hirschegg, Austria
Title: Boronic acid based receptors for carbohydrate detection and potential disease diagnosis
- [28] **Molecular Sensors and Molecular Logic Gates -MSMLG. (2010)**
Antalya, Turkey
Title: Boronic acid based sensors
- [29] **Anion Coordination Chemistry @ Pacificchem. (2010)**
Pacificchem 2010, Honolulu, Hawaii, USA.
Title: Boronic acid based anion sensors
- [30] **Boronic Acids: Synthetic and Biological Applications @ Pacificchem. (2010)**
Pacificchem 2010, Honolulu, Hawaii, USA.
Title: Boronic acid based receptors for disease diagnostics
- [31] **Fluorescent Sensors by Design @ Pacificchem. (2010)**
Pacificchem 2010, Honolulu, Hawaii, USA.
Title: Boronic acid based carbohydrate sensors
- [32] **Catalysis and Sensing for Health (CASH). (2011)**
University of Bath 2011, Bath, UK.
Title: Sensing for Health using Boronic Acids
- [33] **Interdisciplinary Research for Biotechnology and Soft Materials (2011)**
University of Kitakyushu 2011, Kitakyushu, Japan.
Title: Sensing for Health using Boronic Acids
- [34] **Half- Day Symposium in Supramolecular Chemistry (2011)**
University of Colrairie 2011, Colrairie, Northern Ireland, UK.
Title: Boronic acid based receptors as sensors for saccharides
- [35] **International Symposium on Macrocyclic and Supramolecular Chemistry (6-ISMSC). (2011)**
University of Sussex 2011, Brighton, UK.
Title: Boronic acid based receptors for carbohydrate and anion sensing
- [36] **Catalysis and Sensing for or Environment (CASE). (2011)**
University of Birmingham, 2011, Birmingham, UK.
Title: Boronic acid based receptors for carbohydrate sensing
- [37] **Centre for Sustainable Chemical Technologies Summer Showcase (2011)**
University of Bath 2011, Bath, UK.
Title: Sensing for health using boronic acids
- [38] **14th Asian Chemical Congress (2011)**
14th Asian Chemical Congress, Bangkok, Thailand.
Title: Sensing for health using boronic acids

Invited Seminars

- [1] **University of Birmingham. (1995)**
School of Chemistry, University of Birmingham, Edgbaston, Birmingham, England.
Title: *Saccharide Recognition.*
- [2] **Chemotransfiguration Project. (1998)**
Kurume Research Centre, Kurume, Fukuoka, Japan.
Title: *Saccharide Recognition*
- [3] **National Institute of Materials and Chemical Research (NIMC). (1998)**
Tsukuba, Ibaraki, Japan.
Title: *Saccharide Recognition*
- [4] **University of Tsukuba. (1998)**
Tsukuba, Ibaraki, Japan.
Title: *Saccharide Recognition*
- [5] **University of Sheffield. (1999)**
School of Chemistry, University of Sheffield, Sheffield, England.
Title: *Saccharide Recognition*
- [6] **University of Warwick. (2000)**
School of Chemistry, University of Warwick, Coventry, England.
Title: *Saccharide Recognition*
- [7] **UMIST. (2001)**
School of Chemistry, UMIST, Manchester, England.
Title: *Saccharide Recognition*

- [8] **Osaka University. (2002)**
Laboratory for Molecular Recognition Chemistry and Photochemistry, Department of Molecular Chemistry, Graduate School of Engineering, Osaka University, Osaka, Japan
Title: Molecular Recognition using Boronic acids
- [9] **Osaka City University. (2002)**
Department of Applied and Bioapplied Chemistry, Graduate School of Engineering, Osaka City University, Osaka, Japan
Title: Molecular Recognition using Boronic acids
- [10] **Nanoarchitectonics Research Center (NARC). (2002)**
Tsukuba Central, Tsukuba, Japan
Title: Molecular Recognition using Boronic acids
- [11] **University of Tsukuba. (2002)**
Department of Chemistry, University of Tsukuba, Tsukuba, Japan.
Title: Molecular Recognition using Boronic acids
- [12] **Waseda University. (2002)**
Department of Applied Chemistry, School of Science and Engineering, Waseda University, Tokyo, Japan.
Title: Molecular Recognition using Boronic acids
- [13] **Saitama University. (2002)**
Department of Applied Chemistry, Faculty of Engineering, Saitama University, Tokyo, Japan.
Title: Molecular Recognition using Boronic acids
- [14] **ERATO Nanospace Project. (2002)**
Japan Science and Technology Corporation, Tokyo, Japan.
Title: Molecular Recognition using Boronic acids
- [15] **Tohoku University. (2002)**
Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai, Japan.
Title: Molecular Recognition using Boronic acids
- [16] **Hokkaido University. (2002)**
Nanotechnology Research Center, Research Institute for Electronic Science, Hokkaido University, Sapporo, Japan.
Title: Molecular Recognition using Boronic acids
- [17] **Kitakyushu University. (2002)**
Department of Chemical Processes and Environments, Faculty of Environmental Engineering, The University of Kitakyushu, Fukuoka, Japan.
Title: Molecular Recognition using Boronic acids
- [18] **Nagasaki University. (2002)**
Department of Materials Science, Graduate School of Science and Technology, Nagasaki University, Nagasaki, Japan.
Title: Molecular Recognition using Boronic acids
- [19] **Kyoto University. (2002)**
Department of Synthetic Chemistry and Biological Chemistry, Graduate School of Engineering, Kyoto University, Kyoto, Japan.
Title: Molecular Recognition using Boronic acids
- [20] **Waseda University. (2003)**
Department of Applied Chemistry, School of Science and Engineering, Waseda University, Tokyo, Japan.
Title: Molecular Recognition using Boronic acids
- [21] **Tokyo University. (2003)**
Department of Applied Chemistry, Graduate School of Engineering, The University of Tokyo, Tokyo, Japan
Title: Molecular Recognition using Boronic acids
- [22] **Saitama University. (2003)**
Department of Applied Chemistry, Faculty of Engineering, Saitama University, Tokyo, Japan.
Title: Combinatorial Chemistry
- [23] **Osaka University. (2003)**
Department of Macromolecular Science, Graduate School of Science, Osaka University, Osaka, Japan
Title: Molecular Recognition using Boronic acids
- [24] **The University of Kitakyushu. (2003)**
Department of Chemical Processes and Environments, Faculty of Environmental Engineering, The University of Kitakyushu, Fukuoka, Japan.
Title: Molecular Recognition using Boronic acids
- [25] **Kyushu University. (2003)**
Department of Chemistry & Biochemistry, Graduate School of Engineering, Kyushu University.
Title: Saccharide Recognition
- [26] **The Queens University Belfast. (2004)**
School of Chemistry, Queens University Belfast, Belfast
Title: Molecular Recognition using Boronic acids

- [27] **National Institute of Advanced Industrial Science and Technology (AIST). (2004)**
Tsukuba Central, Tsukuba, Japan
Title: Fluorescence Sensors
- [28] **University of Tsukuba. (2004)**
Department of Chemistry, University of Tsukuba, Tsukuba, Japan.
Title: Fluorescence Sensors
- [29] **British Council Science Seminars for high school students. (2004)**
Ohtawara High School, Ohtawara City, Tochigi, Japan.
Title: Fluorescence Sensors
- [30] **University of Tsukuba. (2005)**
Department of Chemistry, University of Tsukuba, Tsukuba, Japan.
Title: Molecular Recognition using Boronic acids: Fluorescent and Colorimetric Sensors for Saccharides and Fluoride
- [31] **University of Osaka. (2005)**
Department of Chemistry, University of Osaka, Osaka, Japan.
Title: Molecular Recognition: Fluorescent and Colorimetric Sensors for Saccharides and Fluoride
- [32] **Smart Holograms. (2005)**
Smart Holograms Limited, 291 Cambridge Science Park, Milton Road, Milton, Cambridge, UK.
Title: Molecular Recognition using Boronic acids: Fluorescent and Colorimetric Sensors for Saccharides and Fluoride
- [33] **University of Victoria. (2005)**
Department of Chemistry, University of Victoria, Victoria, Canada.
Title: Molecular Recognition: Fluorescent and Colorimetric Sensors for Saccharides and Fluoride
- [34] **University of East Anglia. (2006)**
School of Chemical Sciences and Pharmacy, University of East Anglia Norwich, England
Title: Molecular Recognition using Boronic acids
- [35] **UCLA. (2006)**
California NanoSystems Institute, UCLA, Los Angeles, USA
Title: Molecular Sensors using Boronic acids
- [36] **University of Manchester. (2006)**
Department of Chemistry, University of Manchester, Manchester, England.
Title: Molecular Recognition using Boronic acids
- [37] **University of Geneva. (2007)**
Department of Chemistry, University of Geneva, Geneva, Switzerland.
Title: Molecular Recognition using Boronic acids
- [38] **University of Freiburg. (2007)**
Department of Microsystems Engineering – IMTEK, University of Freiburg, Freiburg, Germany.
Title: Molecular Recognition using Boronic acids
- [39] **National University of Singapore. (2007)**
Department of Chemistry, National University of Singapore, Singapore.
Title: Molecular Recognition using Boronic acids
- [40] **Shanghai Institute of Organic Chemistry. (2007)**
Department of Chemistry, National University of Singapore, Singapore.
Title: Molecular Recognition using Boronic acids
- [41] **Université de Poitiers. (2007)**
Bâtiment Chimie Synthèse et Réactivité des Substances Naturelles, University of Poitiers, Poitiers, France
Title: Molecular Recognition using Boronic acids
- [42] **University Colledge Dublin. (2007)**
School of Chemistry, University Colledge Dublin, Dublin, Ireland.
Title: Molecular Recognition using Boronic acids
- [43] **Kyushu University. (2007)**
Department of Chemistry & Biochemistry, Graduate School of Engineering, Kyushu University.
Title: Molecular Recognition using Boronic acids
- [44] **Tokyo University. (2007)**
Department of Chemistry, Tokyo University, Tokyo, Japan.
Title: Molecular Recognition using Boronic acids
- [45] **University of Texas at Austin. (2007)**
Department of Chemistry, University of Texas at Austin, Austin, Texas, USA.
Title: Molecular Recognition using Boronic acids
- [46] **University of Miami. (2007)**
Department of Chemistry, University of Miami, Miami, Florida, USA.
Title: Molecular Recognition using Boronic acids

- [47] **Saga University. (2008)**
Department of Chemistry, Saga University, Saga, Japan.
Title: Molecular Recognition using Boronic acids
- [48] **Osaka University. (2008)**
Department of Macromolecular Science, Graduate School of Science, Osaka University, Osaka, Japan
Title: Molecular Recognition using Boronic acids
- [49] **Kyoto University. (2008)**
Department of Synthetic Chemistry and Biological Chemistry, Faculty of Engineering, Kyoto University, Kyoto, Japan.
Title: Molecular Recognition using Boronic acids
- [50] **Edinburgh University. (2008)**
School of Chemistry, Edinburgh University, Edinburgh, UK.
Title: Molecular Recognition using Boronic acids
- [51] **Korea University. (2008)**
Korea University, Seoul, South Korea
Title: Molecular Recognition using Boronic acids
- [52] **New York University. (2008)**
NYU, New York, USA
Title: Molecular Recognition using Boronic acids
- [53] **Cambridge University. (2009)**
Cambridge University, Cambridge, UK.
Title: Boronic acid based materials for carbohydrate detection
- [54] **Seoul National University. (2009)**
Seoul National University, Seoul, South Korea.
Title: Molecular Recognition using Boronic acids
- [55] **Yonsei University. (2009)**
Yonsei University, Seoul, South Korea.
Title: Molecular Recognition using Boronic acids
- [56] **Nagasaki University. (2009)**
Nagasaki University, Nagasaki, Japan.
Title: Boronic acid based materials for carbohydrate detection
- [57] **University of Hong Kong. (2009)**
University of Hong Kong, Hong Kong.
Title: Molecular Recognition using Boronic acids
- [58] **Hong Kong University of Science and Technology. (2009)**
Hong Kong University of Science and Technology, Hong Kong.
Title: Molecular Recognition using Boronic acids
- [59] **East China Normal University. (2009)**
East China Normal University, Shanghai, China.
Title: Molecular Recognition using Boronic acids
- [60] **Shanghai Institute of Organic Chemistry. (2009)**
Shanghai Institute of Organic Chemistry, Shanghai, China.
Title: Molecular Recognition using Boronic acids
- [61] **Xiamen University. (2009)**
Xiamen University, Xiamen, China.
Title: Molecular Recognition using Boronic acids
- [62] **Dalian University of Technology. (2009)**
Dalian University of Technology, Dalian, China.
Title: Molecular Recognition using Boronic acids
- [63] **East China University of Science and Technology (2010)**
ECUST, Shanghai, China.
Title: Molecular Recognition using Boronic acids
- [64] **Fudan University (2010)**
Fudan University, Shanghai, China.
Title: Molecular Recognition using Boronic acids
- [65] **Nanjing University (2010)**
Nanjing University, Shanghai, China.
Title: Molecular Recognition using Boronic acids
- [66] **Xiamen University (2010)**
Xiamen University, Xiamen, China.
Title: Molecular Recognition using Boronic acids

- [67] **University of California, Santa Cruz (2010)**
University of California, Santa Cruz, Santa Cruz, California, USA.
Title: Boronic acid based receptors for disease diagnostics
- [68] **University of California, Santa Cruz (2010)**
University of California, Santa Cruz, Santa Cruz, California, USA.
Title: Boronic acid based receptors for disease diagnostics
- [69] **University of Birmingham, Birmingham (2011)**
University of Birmingham, Birmingham, UK.
Title: Sensing for Health using Boronic Acids
- [70] **Hiroshima University, Hiroshima (2011)**
Hiroshima University, Hiroshima, Japan.
Title: Sensing for Health using Boronic Acids
- [71] **Kyoto Prefectural University, Kyoto (2011)**
Kyoto Prefectural University, Kyoto, Japan.
Title: Sensing for Health using Boronic Acids
- [72] **Osaka University, Osaka (2011)**
Osaka University, Graduate School of Engineering, Osaka, Japan.
Title: Sensing for Health using Boronic Acids
- [73] **Osaka University, Osaka (2011)**
Osaka University, Graduate School of Science, Osaka, Japan.
Title: Sensing for Health using Boronic Acids
- [73] **East China University of Science and Technology (2011)**
ECUST, Shanghai, China
Title: Sensing for Health using Boronic Acids
- [74] **Dalian University of Technology (2011)**
Dalian University of Technology, Dalian, China
Title: Sensing for Health using Boronic Acids
- [75] **Shandong Normal University (2011)**
Shandong Normal University, Jinan, China
Title: Sensing for Health using Boronic Acids
- [76] **Nankai University (2011)**
Nankai University, Tianjin, China
Title: Sensing for Health using Boronic Acids
- [77] **University of Copenhagen (2011)**
University of Copenhagen, Copenhagen, Denmark
Title: Sensing for Health using Boronic Acids
- [78] **The University of Kitakyushu. (2012)**
Department of Chemical Processes and Environments, Faculty of Environmental Engineering, The University of Kitakyushu, Fukuoka, Japan.
Title: Sensing for Health using Boronic Acids
- [79] **Fuzhou University. (2012)**
Fuzhou University, Fuzhou, China.
Title: Sensing for Health using Boronic Acids
- [80] **Xiamen University. (2012)**
Xiamen University, Xiamen, China.
Title: Sensing for Health using Boronic Acids
- [81] **Sun Yat-Sen University. (2012)**
Sun Yat-Sen University, Guangzhou, China.
Title: Sensing for Health using Boronic Acids
- [82] **École Polytechnique Fédérale de Lausanne (EPFL). (2012)**
EPFL, Lausanne, Switzerland.
Title: Sensing for Health using Boronic Acids
- [83] **Ochanomizu University. (2012)**
Ochanomizu University, Tokyo, Japan.
Title: Sensing for Health using Boronic Acids
- [84] **Sophia University. (2012)**
Sophia University, Tokyo, Japan.
Title: Sensing for Health using Boronic Acids

- [85] **Tokyo Medical and Dental University. (2012)**
Tokyo Medical and Dental University, Institute of Biomaterials and Bioengineering, Tokyo, Japan.
Title: Sensing for Health using Boronic Acids
- [86] **Chulalongkorn University (2012)**
Chulalongkorn University, Bangkok, Thailand.
Title: Sensing for Health using Boronic Acids
- [87] **Massachusetts Institute of Technology (MIT) (2013)**
Massachusetts Institute of Technology (MIT), Boston, USA
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [88] **Xiamen University (2013)**
Xiamen University, Xiamen, China
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [89] **Nanjing University (2013)**
Nanjing University, Nanjing, China
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [90] **Wuhan University (2013)**
Wuhan University, Wuhan, China
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [91] **Zhejiang University (2013)**
Zhejiang University, Hangzhou, China
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [92] **Chulalongkorn University (2013)**
Chulalongkorn University, Bangkok, Thailand.
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [93] **Ewha University (2013)**
Ewha University, Seoul, Korea.
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [94] **Dalian University of Technology (2014)**
Dalian University of Technology, Dalian, China.
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [95] **Hong Kong University (2014)**
Hong Kong University, Hong Kong, China.
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [96] **Sophia University (2014)**
Sophia University, Tokyo, Japan.
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [97] **University of Geneva. (2014)**
University of Geneva, Geneva, Switzerland.
Title: Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing and Assembly
- [98] **Beijing Insitute of Technology (2014)**
Beijing Insitute of Technology, Beijing, China.
Title: Boronic Acids: Recognition, Sensing and Assembly
- [99] **Tsinghua University (2014)**
Tsinghua University, Beijing, China.
Title: Boronic Acids: Recognition, Sensing and Assembly

Editorial Board Membership

Member of Editorial Board of Supramolecular Chemistry (Since 2013)
Section Editor for Organic Chemistry with Chemistry Central (Since 2010)
Member of Editorial Board of Chemistry Central (Since 2007)
Member of Editorial Board of Open Organic Chemistry (2007-2010)

Reviewer of Scientific Articles

(1) Nature Chemistry, (2) PNAS, (3) Angewandte Chemie; (4) Journal of the American Chemical Society; (5) Organic Letters; (6) Journal of Organic Chemistry; (7) The Journal of Physical Chemistry; (8) Langmuir; (9) Oligonucleotides; (10) Chemical Science (11) Chemical Communications; (12) Organic and Biomolecular Chemistry; (13) New Journal of Chemistry; (14) Chemical Society Reviews; (15) Journal of Materials Chemistry; (16) Tetrahedron; (17) Tetrahedron Letters; (18) Journal of Chemical Research; (19) Physical Chemistry Chemical Physics; (20) Australian Journal of Chemistry; (21) Synthetic Communications; (22) Supramolecular Chemistry; (23) Journal of Fluorescence; (24) Journal of Heterocyclic Chemistry; (25) Synlett; (26) ARKIVOC; (27) ChemBioChem, (28) Chemistry Central.