Organic & Biomolecular Chemistry

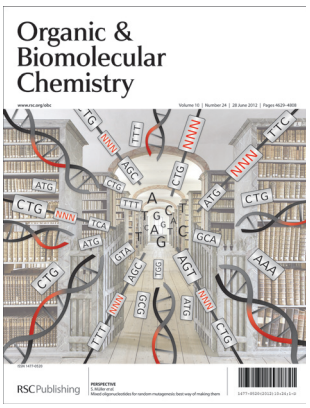
An international journal of synthetic, physical and biomolecular organic chemistry

www.rsc.org/obc

RSC Publishing is a not-for-profit publisher and a division of the Royal Society of Chemistry. Any surplus made is used to support charitable activities aimed at advancing the chemical sciences. Full details are available from www.rsc.org

IN THIS ISSUE

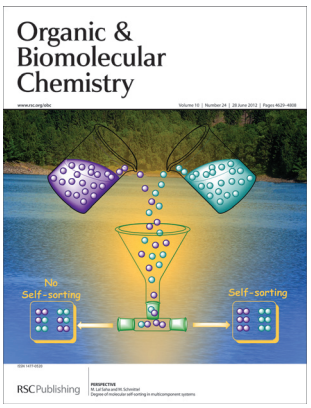
ISSN 1477-0520 CODEN OBCRAK 10(24) 4629–4808 (2012)



Cover
See S. Müller *et al.*, pp. 4641–4650.

Photograph of the Historische Bibliothek der Franckeschen Stiftungen zu Halle; © Ingo Gottlieb

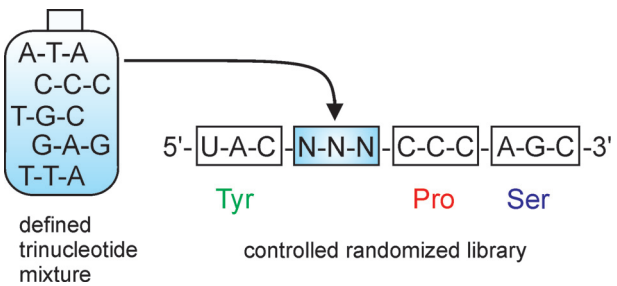
Image reproduced by permission of Sabine Müller from *Org. Biomol. Chem.*, 2012, **10**, 4641.

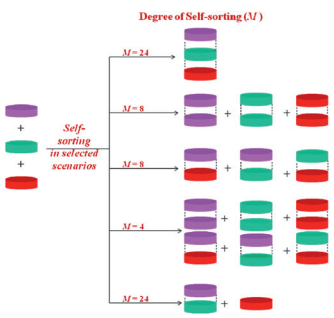


Inside cover
See M. Lal Saha and M. Schmittel, pp. 4651–4684.

Image reproduced by permission of Michael Schmittel from *Org. Biomol. Chem.*, 2012, **10**, 4651.

PERSPECTIVES





Organic & Biomolecular Chemistry (print: ISSN 1477-0520; electronic: ISSN 1477-0539) is published 48 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF. All orders, with cheques made payable to the Royal Society of Chemistry, should be sent to RSC Distribution Services, c/o Portland Customer Services, Commerce Way, Colchester, Essex, UK CO2 8HP. Tel +44 (0)1206 226050; E-mail sales@rscdistribution.org

2012 Annual (print+electronic) subscription price: £3950; US$7373. 2012 Annual (electronic) subscription price: £3752; US$7004. Customers in Canada will be subject to a surcharge to cover GST. Customers in the EU subscribing to the electronic version only will be charged VAT. If you take an institutional subscription to any RSC journal you are entitled to free, site-wide web access to that journal. You can arrange access via Internet Protocol (IP) address at www.rsc.org/ip. Customers should make payments by cheque in sterling payable on a UK clearing bank or in US dollars payable on a US clearing bank. Periodicals postage paid at Rahway, NJ, USA and at additional mailing offices. Airfreight and mailing in the USA by Mercury Airfreight International Ltd., 365 Blair Road, Avenel, NJ 07001, USA.

US Postmaster: send address changes to Organic & Biomolecular Chemistry (OBC) c/o Mercury Airfreight International Ltd., 365 Blair Road, Avenel, NJ 07001. All despatches outside the UK by Consolidated Airfreight.

Organic & Biomolecular Chemistry

An international journal of synthetic, physical and biomolecular organic chemistry

www.rsc.org/obc

Organic & Biomolecular Chemistry brings together molecular design, synthesis, structure, function and reactivity in one journal. It publishes fundamental work on synthetic, physical and biomolecular organic chemistry as well as all organic aspects of: chemical biology, medicinal chemistry, natural product chemistry, supramolecular chemistry, macromolecular chemistry, theoretical chemistry, and catalysis.

EDITORIAL BOARD

ADVISORY BOARD

INFORMATION FOR AUTHORS

Full details on how to submit material for publication in Organic & Biomolecular Chemistry are given in the Instructions for Authors (available from http://www.rsc.org/authors). Submissions should be made *via* the journal's homepage: http://www.rsc.org/obc.

Authors may reproduce/republish portions of their published contribution without seeking permission from the RSC, provided that any such republication is accompanied by an acknowledgement in the form: (Original Citation)–Reproduced by permission of The Royal Society of Chemistry.

New Journal

Toxicology Research

A new, multi-disciplinary journal covering the best research in both fundamental and applied aspects of toxicology

Published in partnership with the British Toxicology Society and Chinese Society of Toxicology

The journal is led by Editor-in-Chief, Nigel Gooderham, professor of molecular toxicology at Imperial College London and provides a home to communications, full papers and reviews.

Authors benefit from wide exposure for their work with free online access to content published during 2012 and 2013. Published work can also be made more visible through integration with *ChemSpider*, the RSC's free chemical structure database.

Authors can expect a speedy peer review and publication process, with the option of publishing research as an Accepted Manuscript, making work available quickly after acceptance.

The first issue is scheduled for publication mid–2012, and the first articles are now freely available online.

Submit your work now!

bts THE BRITISH TOXICOLOGY SOCIETY

Chinese Society Of Toxicology

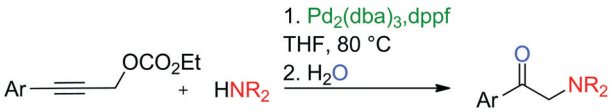
111115

RSC Publishing

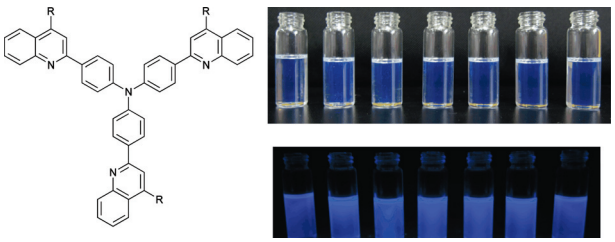
www.rsc.org/toxicology

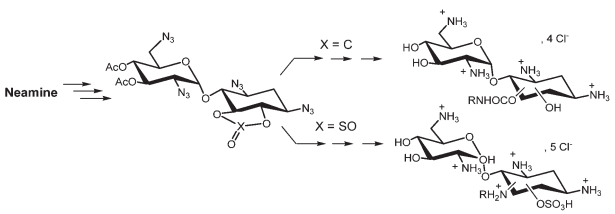
Registered Charity Number 207890

COMMUNICATIONS



PAPERS





RSC e-membership

Chemical science at your fingertips

£20
for 12 months

RSC e-membership enables you to...

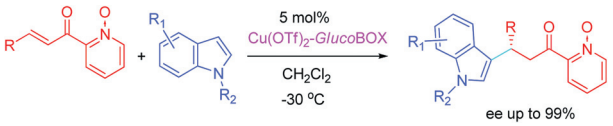
- **ACCESS** expert knowledge and keep current with 12 digital editions of the award-winning *Chemistry World* magazine
- **INTERACT** with specialists in your field and discuss the science that matters to you by joining an RSC Interest Group
- **ENGAGE** with tens of thousands of users worldwide on MyRSC, the online professional community for chemical scientists

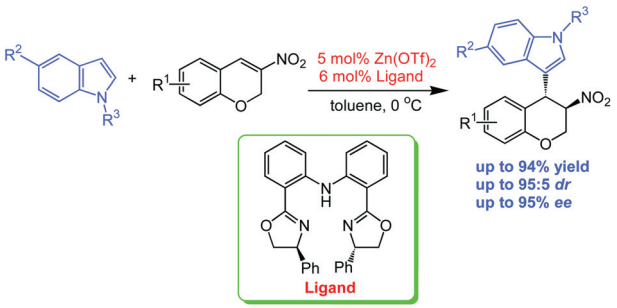
Join today and connect with the global scientific community through the RSC, the central hub for chemical science **www.rsc.org/emembership**

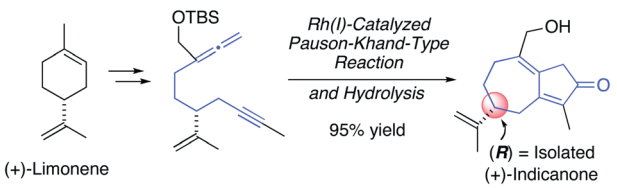
RSC | Advancing the Chemical Sciences

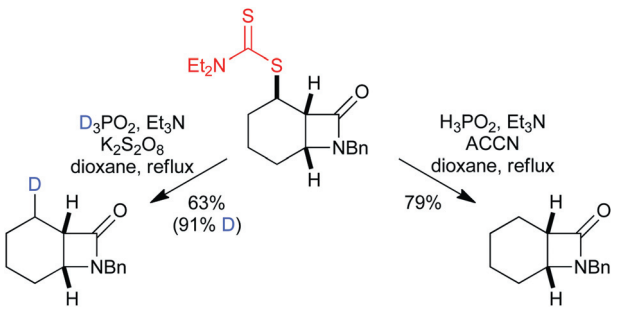
www.rsc.org/emembership

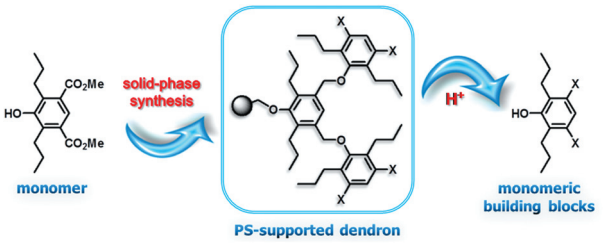
Registered Charity Number 207890

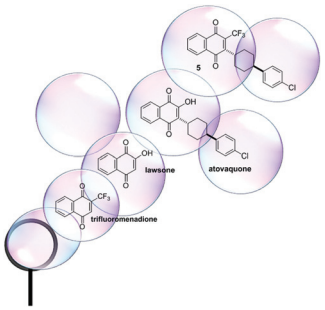






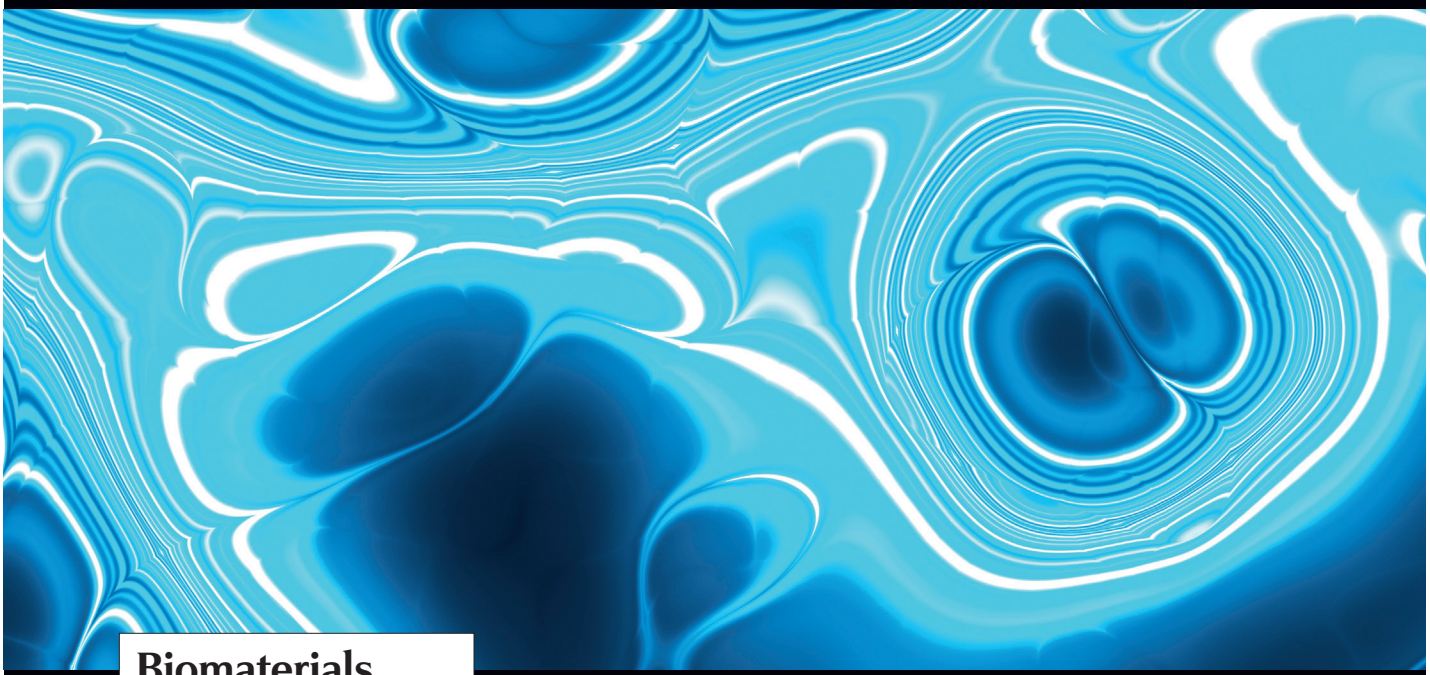






Biomaterials Science

An international, high impact journal bringing together the molecular and mesoscopic interactions of biomaterials and their potential applications



Published in collaboration with the Institute for Integrated Cell-Material Sciences, Kyoto University, Japan, the journal is led by two Co-Editors-in-Chief: Professor Phillip Messersmith from Northwestern University, USA and Norio Nakatsuji, Professor and Director at Kyoto University's WPI-iCeMS.

Authors will benefit from:

- Wide exposure of their work with free online access to all content until the end of 2014
- Speedy peer review and publication process
- The option of publishing research as an Accepted Manuscript, making work available quickly after acceptance
- Free colour, no page charges

Submit your work now!

RSC Publishing

www.rsc.org/BiomaterialsScience

Registered Charity Number 207890