

ChemComm

Chemical Communications

www.rsc.org/chemcomm

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 1359-7345 CODEN CHCOFS (14) 1605-1712 (2008)



Cover

See Pierangelo Metrangolo, Giuseppe Resnati *et al.*, pp. 1635–1637. Halogen bonding between iodide ions and 1,3,5-trifluoro-2,4,6-triiodobenzene results in the cation-templated construction of anionic honeycomb-like networks. Image reproduced by permission of Pierangelo Metrangolo, Frank Meyer, Tullio Pilati, Giuseppe Resnati and Giancarlo Terraneo from *Chem. Commun.*, 2008, 1635.

CHEMICAL TECHNOLOGY

T25

Drawing together research highlights and news from all RSC publications, *Chemical Technology* provides a 'snapshot' of the latest applications and technological aspects of research across the chemical sciences, showcasing newsworthy articles and significant scientific advances.

Chemical Technology

April 2007/Volume 5/Issue 4

www.rsc.org/chemicaltechnology

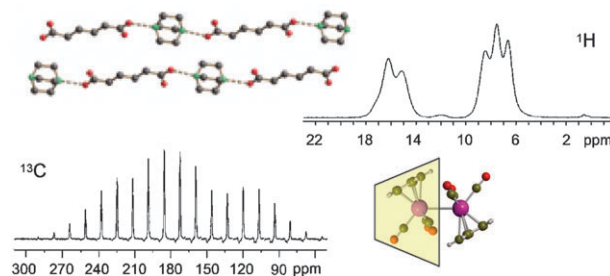
FEATURE ARTICLE

1621

Solid-state NMR studies of weak interactions in supramolecular systems

Michele R. Chierotti and Roberto Gobetto*

An overview of the characterization of supramolecular systems by means of solid-state NMR is presented: many parameters NMR have been discussed and particular attention has been given to the hydrogen-bond investigation and to the detection of molecular motion in the solid state.



EDITORIAL STAFF

Editor

Sarah Thomas

Deputy editor

Kathryn Sear

Assistant editors

Michael Brown, Rachel Davies, Emma Shiells,
Joanne Thomson, Kathleen Too

Publishing assistants

Jackie Cockrill, Jayne Gough

Team leader, serials production

Helen Saxton

Technical editors

Celia Clarke, Nicola Convine, Alan Holder,
Laura Howes, Sandra Jones, David Parker

Production administration coordinator

Sonya Spring

Administration assistants

Clare Davies, Donna Fordham, Kirsty Lunnon,
Julie Thompson

Publisher

Janet Miles

Chemical Communications (print: ISSN 1359-7345; electronic: ISSN 1364-548X) 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

2008 Annual (print + electronic) subscription price: £1951; US\$3882. 2008 Annual (electronic) subscription price: £1756; US\$3494. 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 Chemical Communications, c/o Mercury Airfreight International Ltd., 365 Blair Road, Avenel, NJ 07001. All despatches outside the UK by Consolidated Airfreight. PRINTED IN THE UK

© The Royal Society of Chemistry, 2008. Apart from fair dealing for the purposes of research or private study for non-commercial purposes, or criticism or review, as permitted under the Copyright, Designs and Patents Act 1988 and the Copyright and Related Rights Regulations 2003, this publication may only be reproduced, stored or transmitted, in any form or by any means, with the prior permission in writing of the Publisher or in the case of reprographic reproduction in accordance with the terms of licences issued by the Copyright Licensing Agency in the UK. US copyright law is applicable to users in the USA. The Royal Society of Chemistry takes reasonable care in the preparation of this publication but does not accept liability for the consequences of any errors or omissions. Inclusion of an item in this publication does not imply endorsement by The Royal Society of Chemistry of the content of the original documents to which that item refers.

ChemComm

Chemical Communications

www.rsc.org/chemcomm

EDITORIAL BOARD

Chairman

Peter Kündig, Geneva, Switzerland
Peter.Kundig@chiorg.unige.ch

Associate Editors

Michael Doyle, Maryland, USA
chemcomm@umd.edu
Jonathan L. Sessler, Austin, USA
chemcomm@cm.utexas.edu
T. Don Tilley, Berkeley, USA
chemcomm@berkeley.edu

Members

Penny Brothers, Auckland, New Zealand
p.brothers@auckland.ac.nz
Jillian M. Buriak, Edmonton, Canada
jburiak@ualberta.ca
P. Andrew Evans, Liverpool, UK
andrew.evans@liverpool.ac.uk

Ben L. Feringa, Groningen, The Netherlands
feringa@chem.rug.nl
David Haddleton, Warwick, UK
D.M.Haddleton@warwick.ac.uk
Mir Wais Hosseini, Strasbourg, France
hosseini@chimie.u-strasbg.fr
Nazario Martín, Madrid, Spain
nazmar@quim.ucm.es
Keiji Maruoka, Kyoto, Japan
maruoka@kuchem.kyoto-u.ac.jp
Ryong Ryoo, Taejeon, Korea
rryoo@kaist.ac.kr
Ferdí Schüth, Mülheim, Germany
schueth@mpi-muelheim.mpg.de
Nicholas J. Turner, Manchester, UK
nicholas.turner@manchester.ac.uk

ADVISORY BOARD

Varinder Aggarwal, Bristol, UK
Frank Allen, CCDC, Cambridge, UK
Jerry L. Atwood, Columbia, USA
Amit Basak, Kharagpur, India
Dario Braga, Bologna, Italy
Xiao-Ming Chen, Guangzhou, China
Derrick Clive, Alberta, Canada
Marcella Darensbourg, College Station, USA
Scott E. Denmark, Urbana, USA
Kuiling Ding, Shanghai, China
Shaojun Dong, Changchun, China
Chris Easton, Canberra, Australia
Gregory C. Fu, Cambridge, USA
Tohru Fukuyama, Tokyo, Japan
Alois Fürstner, Mülheim, Germany
Lutz Gade, Heidelberg, Germany
Philip Gale, Southampton, UK
George W. Gokel, St Louis, USA
Trevor Hambley, Sydney, Australia
Craig Hawker, Santa Barbara, USA
Andrew B. Holmes, Melbourne, Australia
Amir Hoveyda, Boston, USA
Steven M. Howdle, Nottingham, UK
Taeghwan Hyeon, Seoul, Korea
Biao Jiang, Shanghai, China
Karl Anker Jørgensen, Aarhus, Denmark
Kimoon Kim, Pohang, Korea

Susumu Kitagawa, Kyoto, Japan
Shu Kobayashi, Tokyo, Japan
Jérôme Lacour, Geneva, Switzerland
Teck-Peng Loh, Singapore
Tien-Yau Luh, Taipei, Taiwan
Doug MacFarlane, Monash, Australia
David MacMillan, Princeton, USA
Seth Marder, Atlanta, USA
Ilan Marek, Haifa, Israel
E. W. 'Bert' Meijer, Eindhoven, The Netherlands
Achim Müller, Bielefeld, Germany
Catherine Murphy, South Carolina, USA
Atsuhiko Osuka, Kyoto, Japan
Ian Paterson, Cambridge, UK
Maurizio Prato, Trieste, Italy
C. N. R. Rao, Bangalore, India
Christopher A. Reed, Riverside, USA
Robin Rogers, Belfast, UK
Michael Sailor, San Diego, USA
Jonathan W. Steed, Durham, UK
Zhong-Qun Tian, Xiamen, China
Carsten Tschierske, Halle, Germany
Herbert Waldmann, Dortmund, Germany
Henry N. C. Wong, Hong Kong, China
Eiji Yashima, Nagoya, Japan
Xi Zhang, Beijing, China

Advertisement sales: Tel +44 (0) 1223 432246; Fax +44 (0) 1223 426017; E-mail advertising@rsc.org

© The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).

Royal Society of Chemistry: Registered Charity No. 207890.

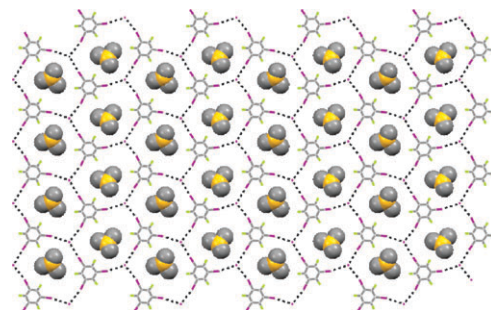
Authors may reproduce/republish portions of their published contribution without seeking permission from the RSC, provided that any such republication is accompanied by an acknowledgement in the form: (Original Citation)–Reproduced by permission of The Royal Society of Chemistry.

1635

Mutual induced coordination in halogen-bonded anionic assemblies with (6,3) cation-templated topologies

Pierangelo Metrangolo,* Frank Meyer, Tullio Pilati, Giuseppe Resnati* and Giancarlo Terraneo

A mutual induced fitting process elicits the tridentate coordination profile of both 1,3,5-trifluoro-2,4,6-triiodobenzene and I^- ions resulting in cation-templated anionic (6,3) networks.

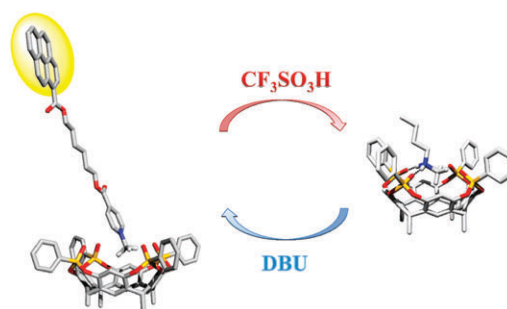


1638

Fully reversible guest exchange in tetraphosphonate cavitand complexes probed by fluorescence spectroscopy

Elisa Biavardi, Gionata Battistini, Marco Montalti, Roger M. Yebeutchou, Luca Prodi* and Enrico Dalcanale*

The complexation-triggered modulation of the exoergonicity of an electron-transfer reaction in a pyrene-modified methylpyridinium guest is employed to monitor the reversible guest exchange in tetraphosphonate cavitands.

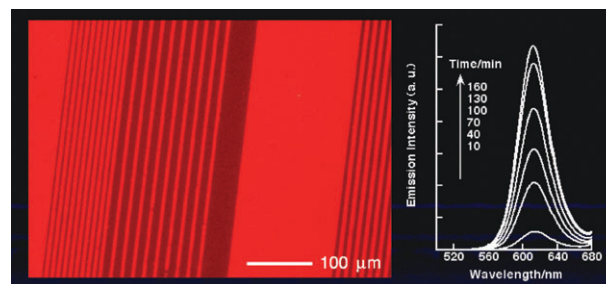


1641

Highly luminescent mono- and multilayers of immobilized CdTe nanocrystals: controlling optical properties through post chemical surface modification

Takaaki Tsuruoka, Rena Takahashi, Toshihiro Nakamura, Minoru Fujii, Kensuke Akamatsu* and Hidemi Nawafune

The significant fluorescence enhancement of immobilized CdTe nanocrystals through chemical surface modifications is described, enabling us to fabricate stable, highly luminescent thin films and patterns of nanocrystal mono- and multilayers.

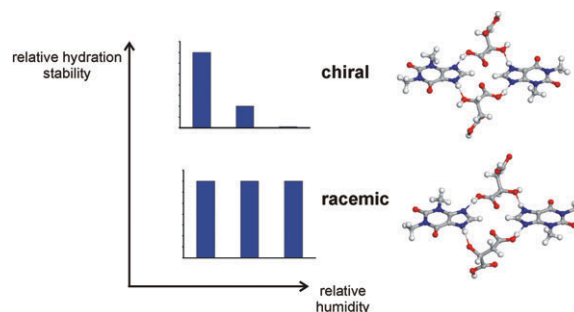


1644

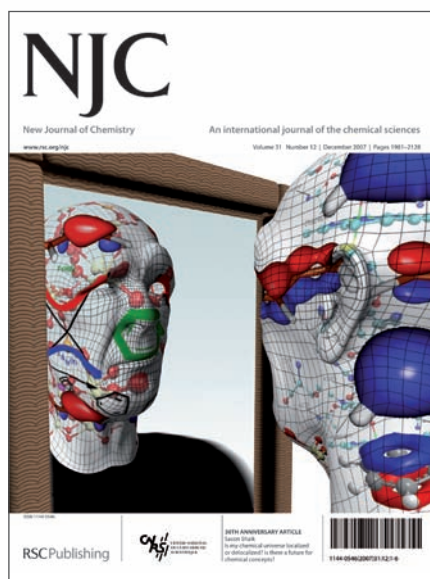
Exploring the relationship between cocrystal stability and symmetry: is Wallach's rule applicable to multi-component solids?

Tomislav Friščić, László Fábián, Jonathan C. Burley, David G. Reid, Melinda J. Duer and William Jones*

Cocrystallisation with chiral or racemic cocrystal formers allows the control of cocrystal symmetry properties and study of inter- and intramolecular factors that affect cocrystal stability.



Drawing disciplines together



New Journal of Chemistry is the place to publish new and emerging work in the chemical sciences. Selecting only original and significant work of high quality, *NJC* publishes full papers, letters, opinions and perspectives embracing multidisciplinary work of broad general appeal. Owned and published by learned societies, the journal offers a multitude of benefits to both authors and readers, including fast times to publication and html enhancement with the award-winning *RSC Project Prospect* (www.projectprospect.org).

The home of interface science

RSC Publishing



www.rsc.org/njc

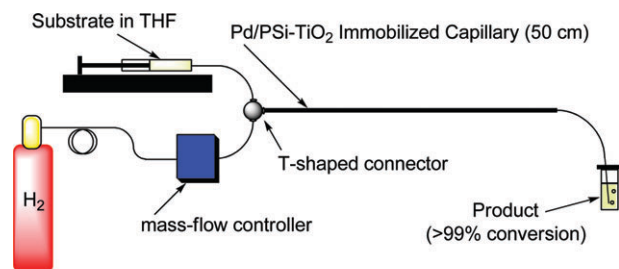
Registered Charity Number 207890

1647

Development of microchannel reactors using polysilane-supported palladium catalytic systems in capillaries

Masaharu Ueno, Toshie Suzuki, Takeshi Naito, Hidekazu Oyamada and Shu Kobayashi*

A new method of immobilizing Pd catalysts on the channel wall of a capillary by using polysilane with metal oxide has been developed, and applied to hydrogenation reactions.



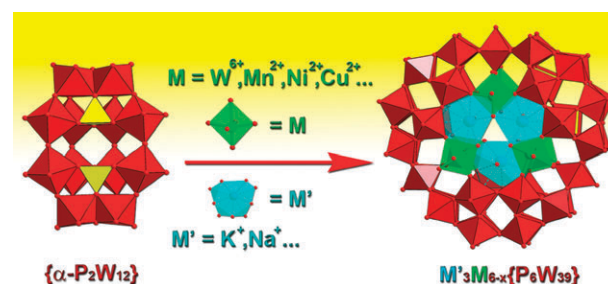
Reactivity of catalyst retained even after being reused 15 times!!

1650

New trimeric polyoxotungstate aggregates based on $[P_2W_{12}O_{48}]^{14-}$ building blocks

Zhi-Ming Zhang, Shuang Yao, Yang-Guang Li,* Yong-Hui Wang, Yan-Fei Qi and En-Bo Wang*

Reaction of the hexavacant Dawson anion with transition-metal cations obtained the first $\{P_2W_{12}\}$ -based trimeric crown-type polyoxometalates encapsulating various "guest" cations, exhibiting potentially aqua-ligand-induced capability of "trapping" metal ions.

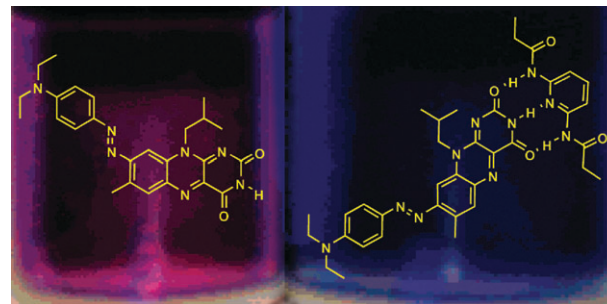


1653

'Lock and key' control of optical properties in a push-pull system

Brian J. Jordan, Michael A. Pollier, Yuval Ofir, Steven Joubanian, Jonathan G. Mehtala, Carsten Sinkel, Stuart T. Caldwell, Andrew Kennedy, Gouher Rabani, Graeme Cooke* and Vincent M. Rotello*

Specific host-guest recognition controls the optical behaviour of a push-pull flavin chromophore.

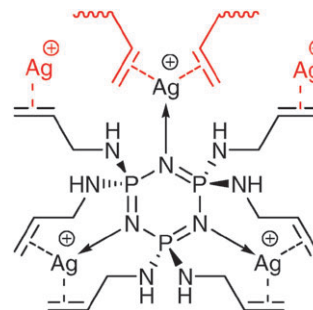


1656

In situ recrystallisation of a coordination polymer with hemilabile linkers

Philip I. Richards, Jamie F. Bickley, Ramamoorthy Boomishankar and Alexander Steiner*

Cyclotriphosphazenes equipped with six pendent olefins serve as multitopic, hemilabile ligands in the presence of Ag(I). The smooth switch between intra- and intermolecular coordination modes facilitates *in situ* recrystallisation and isomerisation of the coordination network.





Southampton Supramolecular Chemistry Symposium-5

11th July 2008 from 11am in Lecture Room 1 at the
School of Chemistry, University of Southampton.

- 11.00am Professor Tony Davis (Bristol)
Synthetic lectins: Biomimetic receptors for carbohydrates
- 11.50am Professor David Reinhoudt (Twente)
Molecular printboards: from supramolecular chemistry to nanofabrication
- 12.40pm Lunch
- 2.10pm Professor Mike Hannon (Birmingham)
DNA recognition by supramolecular cylinders: unique structural effects and anti-cancer activity
- 3.00pm Dr Tony James (Bath)
Molecular recognition using boronic acids
- 3.50pm Coffee
- 4.10pm Professor François Diederich (ETH, Zürich)
Strategies for optimal filling of hydrophobic cavities: synthetic and biological receptors
- 5.00pm Drinks

Due to the generosity of our sponsors there are no registration fees for this meeting. However space is limited so if you would like to attend please confirm by e-mail to Dr Eugen Stulz: est@soton.ac.uk



Taylor & Francis Group plc

RSC | Advancing the
Chemical Sciences



WILEY-
BLACKWELL

16 8 92 90 95 78 8 7
S O U Th Am Pt O N
www.soton.ac.uk/chemistry
Chemistry

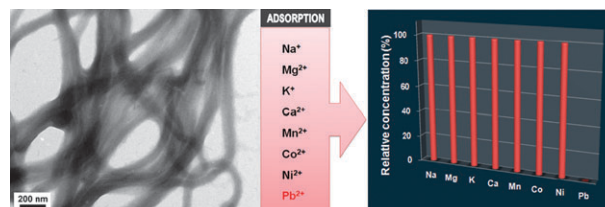
UNIVERSITY OF
Southampton
School of Chemistry

1659

Low-temperature synthesis of ultrathin Sb_2S_5 nanofibers and their application as highly selective Pb-adsorbents in water

Kang Hyun Park, Jaewon Choi, Jiseul Chun, Hae Jin Kim and Seung Uk Son*

Ultrathin (1–2 nm) Sb_2S_5 nanofibers were prepared at 50 °C using SbCl_5 and sulfur. These nanofibers showed excellent adsorption selectivity for lead ions in water.

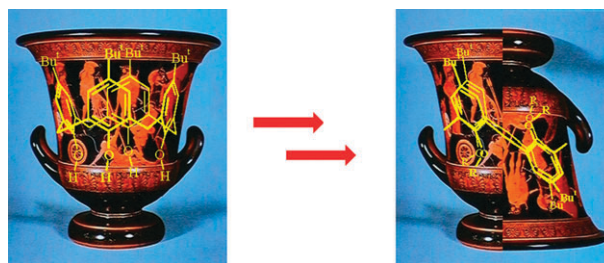


1662

Simple synthesis of calix[4]arenes in a 1,2-alternate conformation

Pavel Lhoták,* Alexandra Bilá, Jan Budka, Michaela Pojarová and Ivan Stibor

The so far (almost) missing calix[4]arene conformation—1,2-alternate—is now accessible in high yields and on a multigram scale by using a surprisingly simple dialkylation/dialkylation procedure.

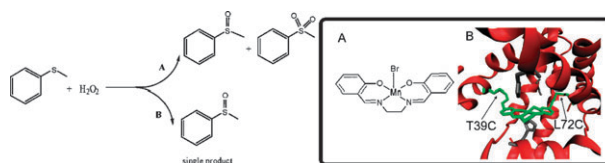


1665

Protein scaffold of a designed metalloenzyme enhances the chemoselectivity in sulfoxidation of thioanisole

Jun-Long Zhang, Dewain K. Garner, Lei Liang, Qian Chen and Yi Lu*

We demonstrate that incorporation of MnSalen into a protein scaffold enhances the chemoselectivity in sulfoxidation of thioanisole and find that both the polarity and hydrogen bonding of the protein scaffold play an important role in tuning the chemoselectivity.

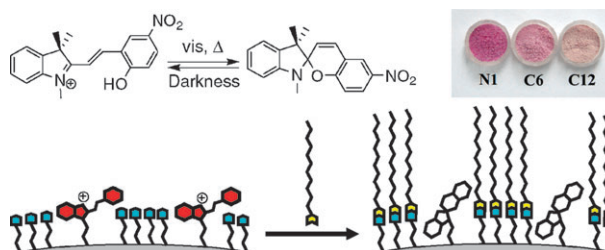


1668

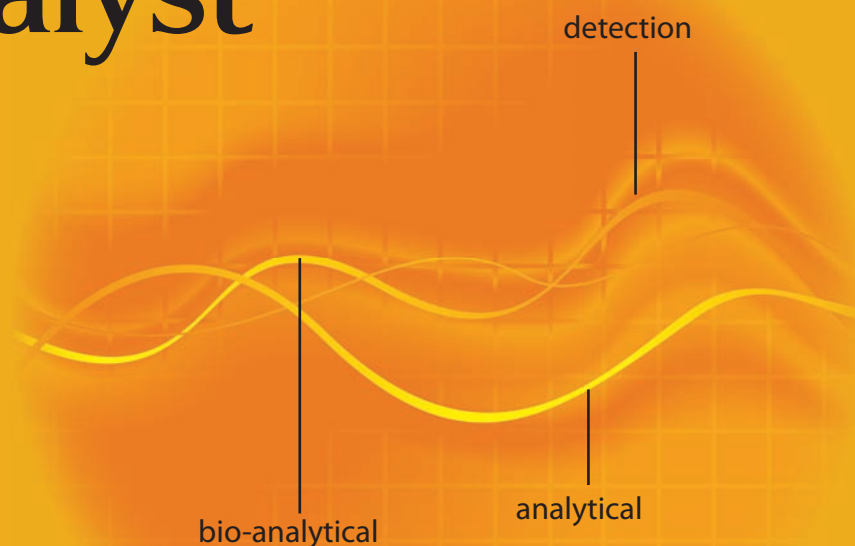
Chromogenic silica nanoparticles for the colorimetric sensing of long-chain carboxylates

Pilar Calero, Elena Aznar, J. Manuel Lloris, Maria D. Marcos, Ramón Martínez-Mañez,* José V. Ros-Lis, Juan Soto and Félix Sancenón*

Silica nanoparticles functionalized with chromogenic spiropyrans and thiourea subunits show selective colour changes in the presence of certain long-chain carboxylates.



The Analyst



Bioanalytical Science

010850

Examples of recent articles include:

Ultrasensitive assays for proteins

Hongquan Zhang, Qiang Zhao, Xing-Fang Li and X. Chris Le
Analyst, 2007, **132**, 724 - 737, DOI: 10.1039/b704256f

Electrochemical strategies for the label-free detection of amino acids, peptides and proteins

Grégoire Herzog and Damien W. M. Arrigan
Analyst, 2007, **132**, 615 - 632, DOI: 10.1039/b701472d

Microwave-accelerated metal-enhanced fluorescence: application to detection of genomic and exosporium anthrax DNA in <30 seconds

Kadir Aslan, Yongxia Zhang, Stephen Hibbs, Les Baillie, Michael J. R. Previte and Chris D. Geddes
Analyst, 2007, **132**, 1130 - 1138, DOI: 10.1039/b707876e

Surface immobilisation and properties of smooth muscle cells monitored by on-line acoustic wave detector

Xiaomeng Wang, Jonathan S. Ellis, Chung-Dann Kan, Ren-Ke Li and Michael Thompson
Analyst, 2008, **133**, 85 - 92, DOI: 10.1039/b714210b

Protein-nanoparticle labelling probed by surface enhanced resonance Raman spectroscopy

Phil Douglas, Karen M. McCarney, Duncan Graham and W. Ewen Smith
Analyst, 2007, **132**, 865 - 867, DOI: 10.1039/b707660f

Submit your work today!

RSC Publishing

www.rsc.org/analyst

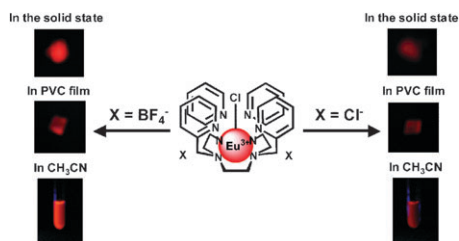
Registered Charity Number 207890

1671

Modification of the luminescence spectra of chloro(tetrapyriddy cyclotetramine)europium complexes by fine tuning of the Eu–Cl distance with outer-sphere counterions in the solid state, in a polymer matrix and in solution

Atsushi Wada, Masayuki Watanabe, Yoshinori Yamanoi and Hiroshi Nishihara*

Controlling the coordination environments and the luminescence properties of Eu^{3+} complexes with outer-sphere counterions was achieved in the solid state, in a polymer matrix and in solution.

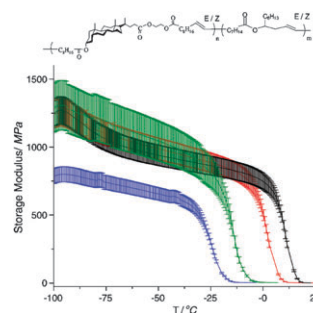


1674

High molecular weight bile acid and ricinoleic acid-based copolyesters *via* entropy-driven ring-opening metathesis polymerisation

Julien E. Gautrot and X. X. Zhu*

High molecular weight copolyesters based on bile acid and ricinoleic acid were synthesised *via* ED-ROMP and display tunable mechanical properties and heterogeneous degradation behaviours.

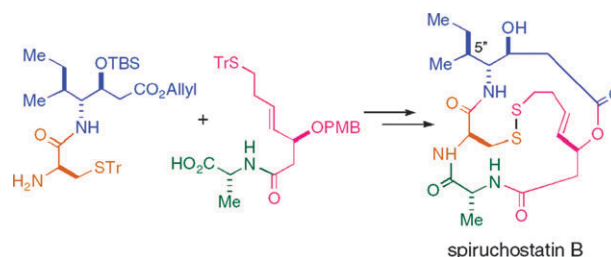


1677

Total synthesis of spiruchostatin B, a potent histone deacetylase inhibitor, from a microorganism

Toshiya Takizawa, Kazuhiro Watanabe, Koichi Narita, Takamasa Oguchi, Hideki Abe and Tadashi Katoh*

The first total synthesis of spiruchostatin B, a potent histone deacetylase inhibitor, was achieved in a highly convergent manner; the synthesis established stereochemistry at the C5'' position.

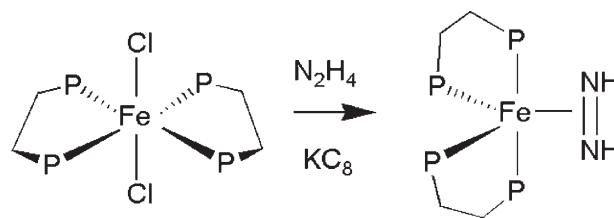


1680

The first side-on bound metal complex of diazene, $\text{HN}=\text{NH}$

Leslie D. Field,* Hsiu L. Li, Scott J. Dalgarno and Peter Turner

The first side-on bound metal complex of diazene $[\text{Fe}(\text{NH}=\text{NH})(\text{dmpe})_2]$ was synthesised by reduction of $[\text{Fe}(\text{dmpe})_2\text{Cl}_2]$ in the presence of hydrazine and structurally characterised. This previously unknown bonding mode is analogous to π -bonding of olefins to transition metals.



1683

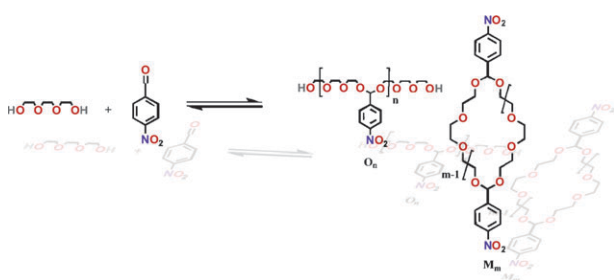


Sonoelectrochemical synthesis of CdSe nanotubes

Qingming Shen, Liping Jiang, Jianjun Miao, Wenhua Hou* and Jun-Jie Zhu*

CdSe nanotubes were synthesized by using a sonoelectrochemical method for the first time. The formation process of the CdSe nanotubes was carefully studied and a sonication-induced roll-up mechanism is proposed.

1686

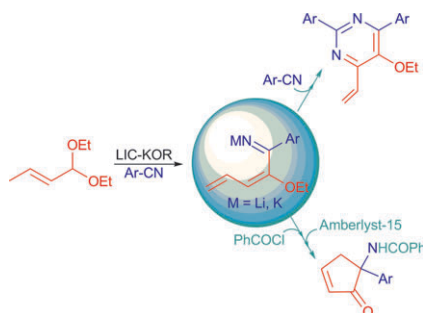


Facile acetal dynamic combinatorial library

Dvora Berkovich-Berger and N. Gabriel Lemcoff*

For the first time an acetal dynamic combinatorial library (DCL) has been created by the direct reaction between a diol and an aldehyde. The DCL contained more than 15 cyclic and acyclic species; all of which were separated and characterized. The library can be successfully amplified by the use of ammonium ions.

1689

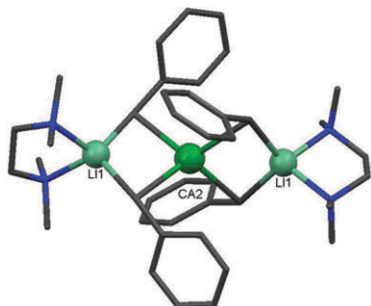


N-Metalated imines by reaction of 1,1-diethoxybut-2-ene with aromatic nitriles, as useful intermediates for the synthesis of substituted pyrimidines and cyclopentenones

Marco Blangetti, Annamaria Deagostino, Cristina Prandi,* Chiara Zavattaro and Paolo Venturello*

Some substituted pyrimidines and cyclopentenones have been synthesised according to a new method that exploits the particular reactivity of α,β -unsaturated acetals with aromatic nitriles in the presence of the Schlosser's superbases LIC-KOR.

1692



A unique heterobimetallic benzyl calciate—an organometallic mixed-metal species involving a heavy alkaline-earth metal

Marites A. Guino-o, Charles F. Campana and Karin Ruhlandt-Senge*

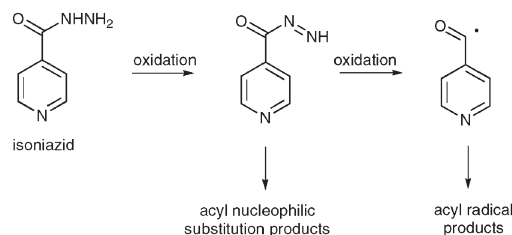
A unique lithium benzyl calciate provides a first glimpse on a heterobimetallic heavy alkaline earth organometallic.

1695

A mechanistic study on the oxidation of hydrazides: application to the tuberculosis drug isoniazid

Ruth I. J. Amos, Brendon S. Gourlay, Carl H. Schiesser, Jason A. Smith* and Brian F. Yates

Radical trapping experiments have been conducted that confirm the formation of an acyl radical as the active species from the oxidation of isoniazid and provide insight into competing pathways in hydrazide oxidation.

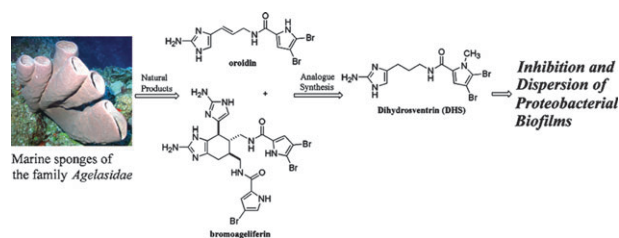


1698

Inhibition and dispersion of proteobacterial biofilms

Justin J. Richards, Robert W. Huigens III, T. Eric Ballard, Anne Basso, John Cavanagh and Christian Melander*

A small molecule derived from a marine natural product with the ability to inhibit biofilm formation and also disperse established proteobacterial biofilms is presented.

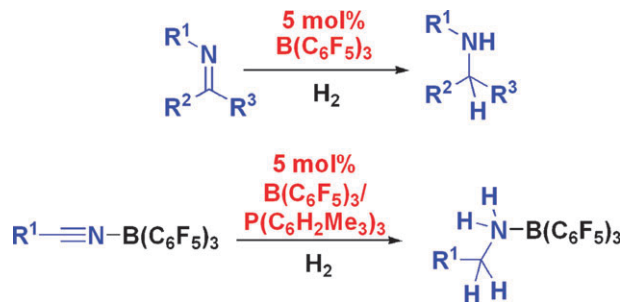


1701

Lewis acid-catalyzed hydrogenation: B(C₆F₅)₃-mediated reduction of imines and nitriles with H₂

Preston A. Chase, Titel Jurca and Douglas W. Stephan*

The Lewis acid B(C₆F₅)₃ has been found to be an efficient catalyst for the direct hydrogenation of imines and the reductive ring-opening of aziridines with H₂ under mild conditions. Also, mixtures of B(C₆F₅)₃ and P(C₆H₂Me₃)₃ catalytically reduce protected nitriles to amines.

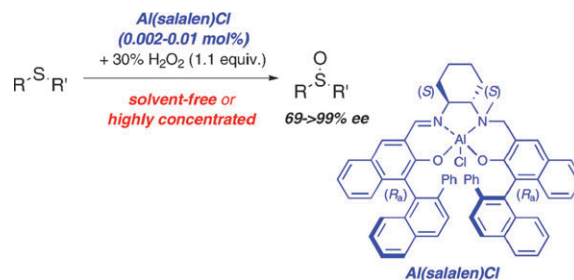


1704

Asymmetric oxidation of sulfides under solvent-free or highly concentrated conditions

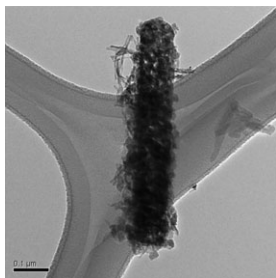
Kazuhiro Matsumoto, Tetsufumi Yamaguchi and Tsutomu Katsuki*

Al(salalen) complex was found to be an efficient catalyst for the asymmetric oxidation of sulfides under solvent-free or highly concentrated conditions, in which an only 0.002–0.01 mol% catalyst loading was sufficient to obtain chiral sulfoxides in high yields with high enantioselectivity.





1707



Cobalt promoted copper manganese oxide catalysts for ambient temperature carbon monoxide oxidation

Christopher Jones, Stuart H. Taylor, Andrew Burrows, Mandy J. Crudace, Christopher J. Kiely and Graham J. Hutchings*

Low levels of cobalt doping (1 wt%) of copper manganese oxide enhances its activity for carbon monoxide oxidation under ambient conditions and the doped catalyst can display higher activity than current commercial catalysts.

No missing pieces

Chemistry World e-alerts are the perfect way to ensure you always see the complete picture.

Sign up now for free and keep up to date on all the latest chemistry news with a daily e-mail that lets you know what's new on the *Chemistry World* website.

chemistryworld
e-alerts

RSC | Advancing the
Chemical Sciences

www.chemistryworld.org


Registered Charity Number 207890

AUTHOR INDEX

- Abe, Hideki, 1677
 Akamatsu, Kensuke, 1641
 Amos, Ruth I. J., 1695
 Aznar, Elena, 1668
 Ballard, T. Eric, 1698
 Basso, Anne, 1698
 Battistini, Gionata, 1638
 Berkovich-Berger, Dvora, 1686
 Biavardi, Elisa, 1638
 Bickley, Jamie F., 1656
 Bilá, Alexandra, 1662
 Blangetti, Marco, 1689
 Boomishankar, Ramamoorthy, 1656
 Budka, Jan, 1662
 Burley, Jonathan C., 1644
 Burrows, Andrew, 1707
 Caldwell, Stuart T., 1653
 Calero, Pilar, 1668
 Campana, Charles F., 1692
 Cavanagh, John, 1698
 Chase, Preston A., 1701
 Chen, Qian, 1665
 Chierotti, Michele R., 1621
 Choi, Jaewon, 1659
 Chun, Jiseul, 1659
 Cooke, Graeme, 1653
 Crudace, Mandy J., 1707
 Dalcanele, Enrico, 1638
 Dalgarno, Scott J., 1680
 Deagostino, Annamaria, 1689
 Duer, Melinda J., 1644
 Fábian, László, 1644
 Field, Leslie D., 1680
 Frišić, Tomislav, 1644
 Fujii, Minoru, 1641
 Gabriel Lemcoff, N., 1686
 Garner, Dewain K., 1665
 Gautrot, Julien E., 1674
 Gobetto, Roberto, 1621
 Gourlay, Brendon S., 1695
 Guino-o, Marites A., 1692
 Hou, Wenhua, 1683
 Huigens III, Robert W., 1698
 Hutchings, Graham J., 1707
 Jiang, Liping, 1683
 Jones, Christopher, 1707
 Jones, William, 1644
 Jordan, Brian J., 1653
 Joubanian, Steven, 1653
 Jurca, Titel, 1701
 Katoh, Tadashi, 1677
 Katsuki, Tsutomu, 1704
 Kennedy, Andrew, 1653
 Kiely, Christopher J., 1707
 Kim, Hae Jin, 1659
 Kobayashi, Shu, 1647
 Lhoták, Pavel, 1662
 Li, Hsiu L., 1680
 Li, Yang-Guang, 1650
 Liang, Lei, 1665
 Lloris, J. Manuel, 1668
 Lu, Yi, 1665
 Marcos, Maria D., 1668
 Martínez-Máñez, Ramón, 1668
 Matsumoto, Kazuhiro, 1704
 Mehtala, Jonathan G., 1653
 Melander, Christian, 1698
 Metrangolo, Pierangelo, 1635
 Meyer, Frank, 1635
 Miao, Jianjun, 1683
 Montalti, Marco, 1638
 Naito, Takeshi, 1647
 Nakamura, Toshihiro, 1641
 Narita, Koichi, 1677
 Nawafune, Hidemi, 1641
 Park, Kang Hyun, 1671
 Ofir, Yuval, 1653
 Oguchi, Takamasa, 1677
 Oyamada, Hidekazu, 1647
 Reid, David G., 1644
 Pilati, Tullio, 1635
 Pojarová, Michaela, 1662
 Pollier, Michael A., 1653
 Prandi, Cristina, 1689
 Prodi, Luca, 1638
 Qi, Yan-Fei, 1650
 Rabani, Gouher, 1653
 Reid, David G., 1644
 Resnati, Giuseppe, 1635
 Richards, Justin J., 1698
 Richards, Philip I., 1656
 Ros-Lis, José V., 1668
 Rotello, Vincent M., 1653
 Ruhlandt-Senge, Karin, 1692
 Sancenón, Félix, 1668
 Schiesser, Carl H., 1695
 Shen, Qingming, 1683
 Sinkel, Carsten, 1653
 Smith, Jason A., 1695
 Son, Seung Uk, 1659
 Soto, Juan, 1668
 Steiner, Alexander, 1656
 Stephan, Douglas W., 1701
 Stibor, Ivan, 1662
 Suzuki, Toshie, 1647
 Takahashi, Rena, 1641
 Takizawa, Toshiya, 1677
 Taylor, Stuart H., 1707
 Terraneo, Giancarlo, 1635
 Tsuruoka, Takaaki, 1641
 Turner, Peter, 1680
 Ueno, Masaharu, 1647
 Venturillo, Paolo, 1689
 Wada, Atsushi, 1671
 Wang, En-Bo, 1650
 Wang, Yong-Hui, 1650
 Watanabe, Kazuhiro, 1677
 Watanabe, Masayuki, 1671
 Yamaguchi, Tetsufumi, 1704
 Yamanoi, Yoshinori, 1671
 Yao, Shuang, 1650
 Yates, Brian F., 1695
 Yebeutchou, Roger M., 1638
 Zavattaro, Chiara, 1689
 Zhang, Jun-Long, 1665
 Zhang, Zhi-Ming, 1650
 Zhu, Jun-Jie, 1683
 Zhu, X. X., 1674

FREE E-MAIL ALERTS AND RSS FEEDS


Contents lists in advance of publication are available on the web via www.rsc.org/chemcomm – or take advantage of our free e-mail alerting service (www.rsc.org/ej_alert) to receive notification each time a new list becomes available.

 Try our RSS feeds for up-to-the-minute news of the latest research. By setting up RSS feeds, preferably using feed reader software, you can be alerted to the latest Advance Articles published on the RSC web site. Visit www.rsc.org/publishing/technology/rss.asp for details.

ADVANCE ARTICLES AND ELECTRONIC JOURNAL

Free site-wide access to Advance Articles and the electronic form of this journal is provided with a full-rate institutional subscription. See www.rsc.org/ejs for more information.

* Indicates the author for correspondence: see article for details.

 Electronic supplementary information (ESI) is available via the online article (see <http://www.rsc.org/esi> for general information about ESI).

Molecular BioSystems

Indexed in
MEDLINE!

High quality research at the interface between chemistry, the -omic sciences and systems biology

Leading researchers in the field support our journal . . .



"Chemists will increasingly turn to '-omics' approaches to understand mechanism of action and specificity of bioactive molecules. Molecular BioSystems provides a home for this rapidly developing interdisciplinary science."

Thomas Kodadek,
Chair, Editorial Board



"This is a very respectable impact factor for a new journal. Authors can be confident that their work is visible to the appropriate audience."

Ruedi Aebersold,
Former Editorial Board member



"Congratulations on the excellent start – I am sure this [impact factor] number will continue to rise over the coming years."

Benjamin Cravatt,
Editorial Board member



"We received three excellent, tractable, and critical reviews with a rapid turn around time after submitting our manuscript. In today's world of potentially long times from submission to publication, this was very refreshing."

Mike Washburn
Advisory Board Member



"We believe Molecular BioSystems has more to offer the chemical biology community than any other journal."

Michael Smith,
Commissioning Editor

Submit your next paper to *Molecular BioSystems* and benefit from:

- Enhanced HTML articles with RSC Prospect
 - Hyperlinked compound information, including downloadable structures in text.
 - Gene, Sequence and Cell Ontology terms linked to definitions and related articles
 - IUPAC Gold Book terms linked
- Impact factor 2.45*
- Fast Publication times (average 80 days from receipt)

010879

*2006 Thompson Scientific (ISI) Journal Citation Reports

RSC Publishing

www.molecularbiosystems.org

Registered Charity Number 207890