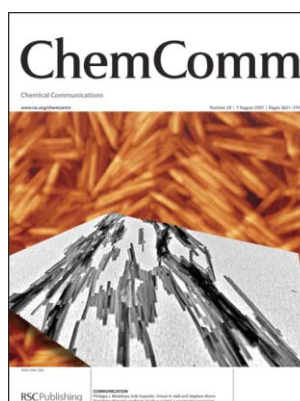


Cover
See Fumio Toda *et al.*, page 3646.
Packing diagram of the inclusion complex of axial chlorocyclohexane and 9,9'-bianthryl host viewed along the pivot bond of the host. Image reproduced by permission of Shinya Hirano, Shinji Toyota, Masako Kato and Fumio Toda from *Chem. Commun.*, 2005, 3646.



Inside cover
See Stephen Mann *et al.*, page 3688.
Silica-coated nanotapes of self-assembled porphyrin J-aggregates are synthesized by supramolecular templating. Image reproduced by permission of Philippa J. Meadows, Erik Dujardin, Simon R. Hall and Stephen Mann from *Chem. Commun.*, 2005, 3688.

CHEMICAL SCIENCE

C57

Drawing together the research highlights and news from all RSC publications, Chemical Science provides a 'snapshot' of the latest developments across the chemical sciences showcasing newsworthy articles, as well as the most significant scientific advances.

Chemical Science

August 2005/Volume 2/Issue 8

www.rsc.org/chemicalscience

FEATURE ARTICLE

3635

Making crystals from crystals: a green route to crystal engineering and polymorphism

Dario Braga* and Fabrizia Grepioni*

Supramolecular reactions between crystalline materials or reactions between a crystalline material and a vapour can be used to generate new crystalline substances. These solvent-free processes can be exploited to prepare hydrogen-bonded co-crystals and coordination networks by non-solution solvent-free methods.



EDITORIAL STAFF

Editor

Sarah Thomas

Deputy editor

Sula Armstrong

Assistant editors

Lorna Jack, Nicola Nugent, Alison Stoddart, Katherine Vickers

Publishing assistants

Jayne Drake, Jayne Gough, Lois Kershaw

Crystallographic data editor

Kirsty Anderson

Team leader, serials production

Helen Saxton

Technical editors

Celia Clarke, Sandra Jones, Caroline Moore, David Parker, Michael Smith, Ken Wilkinson

Administration coordinator

Sonya Spring

Editorial secretaries

Lynne Braybrook, Rebecca Gotobed, Julie Thompson

Publisher

Adrian Kybett

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

2005 Annual (print + electronic) subscription price: £1595; US\$2635. 2005 Annual (electronic) subscription price: £1435; US\$2370. 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, 2005. 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

Roeland J. M. Nolte, Nijmegen, The Netherlands
nolte@sci.kun.nl

Jerry L. Atwood, Columbia, USA

rsc.chemcomm@missouri.edu

Shankar Balasubramanian, Cambridge, UK
sb10031@cam.ac.uk

Hans-Ulrich Blaser, Solvias AG, Switzerland

hans-ulrich.blaser@SOLVIAS.com

P. Andrew Evans, Bloomington, USA

chemcomm@indiana.edu

Makoto Fujita, Tokyo, Japan

mfujita@appchem.tu-tokyo.ac.jp

Alois Fürstner, Mülheim, Germany

fuerstner@mpi-muelheim.mpg.de

David Haddleton, Warwick, UK

D.M.Haddleton@warwick.ac.uk

Donald Hilvert, Zurich, Switzerland

hilvert@org.chem.ethz.ch

Mir Wais Hosseini, Strasbourg, France

hosseini@chimie.u-strasbg.fr

Barbara Imperiali, Cambridge, USA

chemcomm@mit.edu

Dermot O'Hare, Oxford, UK

chemcomm@chem.ox.ac.uk

Colin Raston, Perth, Australia

clraston@chem.uwa.edu.au

Ferdi Schüth, Mülheim, Germany

schueth@mpi-muelheim.mpg.de

T. Don Tilley, Berkeley, USA

chemcomm@berkeley.edu

ASSOCIATE EDITORS

Submissions should be sent *via* ReSource:

<http://www.rsc.org/resource>

Manuscripts from North America should be submitted to the appropriate Associate Editor.

Supramolecular

Jerry L. Atwood

Organic

P. Andrew Evans

Chemical biology

Barbara Imperiali

Inorganic, Organometallic and Materials

T. Don Tilley

Submissions from other regions should be submitted to the Editor *via* ReSource at <http://www.rsc.org/resource>. For information on how to submit your manuscript see <http://www.rsc.org/authors>

SCIENTIFIC EDITORS

The Scientific Editors welcome enquiries from potential authors regarding the submission and scientific content of papers. For more information please see <http://www.rsc.org/authors>

Dermot O'Hare

Donald Hilvert

Mir Wais Hosseini

Alois Fürstner

EDITORIAL ADVISORY BOARD

Varinder Aggarwal, Bristol, UK

Takuzo Aida, Tokyo, Japan

Frank Allen, CCDC, Cambridge, UK

Dario Braga, Bologna, Italy

Jillian M. Buriak, Alberta, Canada

Derrick Clive, Alberta, Canada

Marcetta Darensbourg, College Station, USA

Gregory C. Fu, Cambridge, USA

Tohru Fukuyama, Tokyo, Japan

Lutz Gade, Heidelberg, Germany

Philip Gale, Southampton, UK

George W. Gokel, St Louis, USA

Craig Hawker, Santa Barbara, USA

Andrew B. Holmes, Melbourne, Australia

Amir Hoveyda, Boston, USA

Kazuyuki Kuroda, Tokyo, Japan

Jérôme Lacour, Geneva, Switzerland

David MacMillan, Pasadena, USA

E. W. 'Bert' Meijer, Eindhoven, The Netherlands

Jason Micklefield, Manchester, UK

Achim Müller, Bielefeld, Germany

Catherine Murphy, South Carolina, USA

Atsuhiko Osuka, Kyoto, Japan

Ian Paterson, Cambridge, UK

Maurizio Prato, Trieste, Italy

Christopher A. Reed, Riverside, USA

Robin Rogers, Alabama, USA

Michael Sailor, San Diego, USA

Jonathan Sessler, Austin, USA

Jonathan W. Steed, Durham, UK

Carsten Tschierske, Halle, Germany

Herbert Waldmann, Dortmund, Germany

Henry N. C. Wong, Hong Kong, PR China

Advertisement sales: Tel +44 (0) 1223 432243 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.

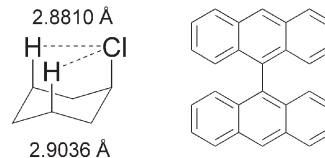
Authors may reproduce/republish portions of their published contribution without seeking permission from the RSC, provided that any such republication is accompanied by an acknowledgement in the form: (Original Citation)–Reproduced by permission of The Royal Society of Chemistry.

3646

Isolation of axial conformers of chloro- and bromocyclohexane in a pure state as inclusion complexes with 9,9'-bianthryl, and the discovery of a novel 1,3 diaxial Cl \cdots H weak interaction

Shinya Hirano, Shinji Toyota, Masako Kato* and Fumio Toda*

Axial conformers of chloro- and bromocyclohexane were isolated in a pure state as 1:1 inclusion complexes with 9,9'-bianthryl. A 1,3 diaxial Cl \cdots H weak interaction was discovered in the axial chlorocyclohexane.

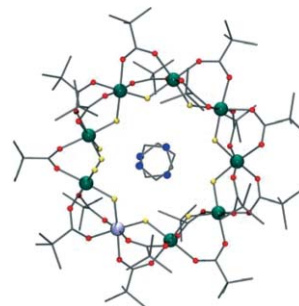


3649

Influencing the nuclearity and constitution of heterometallic rings *via* templates

Grigore A. Timco,* Andrei S. Batsanov, Finn K. Larsen, Christopher A. Muryn, Jacob Overgaard, Simon J. Teat and Richard E. P. Winpenny*

Octa-, nona- and deca-nuclear rings can be made by choice of amines or N-heterocycles as templates.



3652

Identification of broad specificity P450_{CAM} variants by primary screening against indole as substrate

Ayhan Çelik, Robert E. Speight and Nicholas J. Turner*

Primary screening of cytochrome P450_{CAM} libraries, using oxidation of indole to indigo as a colorimetric detection method, leads to the identification of variants with activity towards diphenylmethane.

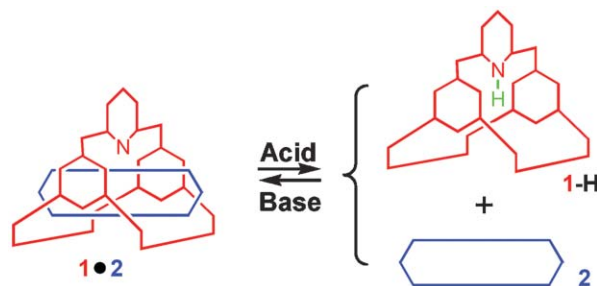


3655

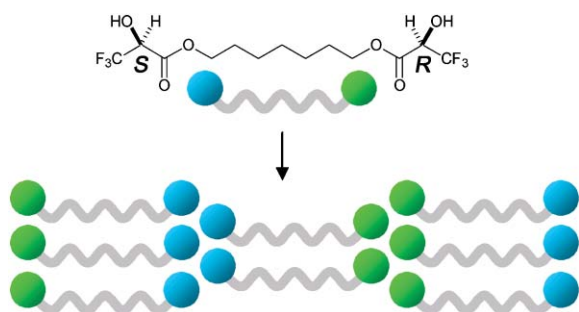
pH-Controlled assembly and disassembly of a cryptand/paraquat [2]pseudorotaxane

Feihe Huang, Karen A. Switek and Harry W. Gibson*

It was demonstrated that pseudorotaxane formation between a pyridine-containing cryptand and paraquat can be reversibly switched off (and back on) by adding acid (and then base).



3658

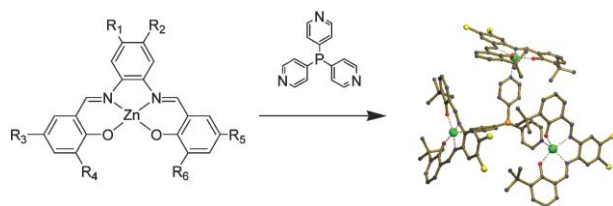


A binary hydrogen bonding motif based on homochiral recognition: crystal structures and hydrogen bonding networks of *meso*-(*R,S*)-bis(trifluorolactate)s

Satoshi Takahashi, Toshimasa Katagiri* and Kenji Uneyama

A series of *meso*-compounds incorporating both enantiomers of a trifluorolactate constructed two-dimensional supramolecular sheets *via* homochiral hydrogen bonding chains as a binary hydrogen bonding motif.

3661

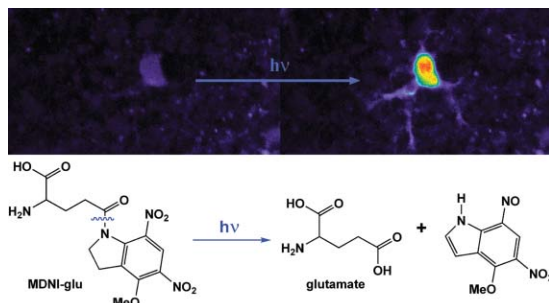


Encapsulated transition metal catalysts comprising peripheral Zn(II)salen building blocks: template-controlled reactivity and selectivity in hydroformylation catalysis

Arjan W. Kleij, Martin Lutz, Anthony L. Spek, Piet W. N. M. van Leeuwen and Joost N. H. Reek*

Template-assisted catalyst encapsulation using zinc(II)-salphen building blocks: small changes in the ligand-template have a large effect on the structure of the assembly and consequently on the activity and selectivity of the hydroformylation catalysts formed.

3664

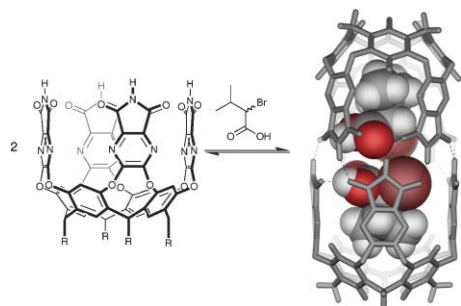


Synthesis of a caged glutamate for efficient one- and two-photon photorelease on living cells

Olesya D. Fedoryak, Jai-Yoon Sul, Philip G. Haydon and Graham C. R. Ellis-Davies*

Synthesis and uncaging of MDNI-glu, a biologically inert, photosensitive derivative of the major excitatory neurotransmitters (L-glutamate) is described. MDNI-glu makes greater than 10-fold better use of incident light than all previous caged glutamates.

3667



Diastereoselection of chiral acids in a cylindrical capsule

Liam C. Palmer, Yi-Lei Zhao, K. N. Houk and Julius Rebek, Jr.*

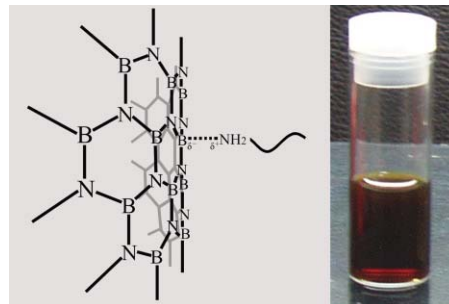
The cylindrical dimeric capsule binds two chiral carboxylic acids with modest selectivity for homochiral or heterochiral pairs. The selectivity is observed by NMR and further investigated by Monte Carlo conformational searching.

3670

Solubilization of boron nitride nanotubes

Su-Yuan Xie, Wei Wang, K. A. Shiral Fernando, Xin Wang, Yi Lin and Ya-Ping Sun*

A successful attempt in the functionalization and solubilization of boron nitride nanotubes is reported, and a functionalization mechanism based on interactions of amino functional groups with nanotube surface borons is proposed.

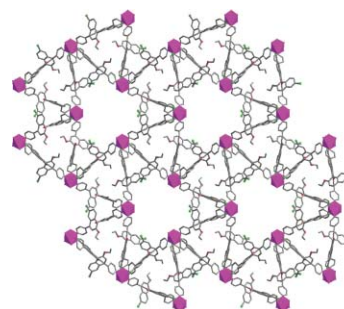


3673

A chiral porous 3D metal–organic framework with an unprecedented 4-connected network topology

Chuan-De Wu and Wenbin Lin*

A novel homochiral 3D metal–organic framework with an unprecedented 4-connected network topology was constructed based on the *cis*-geometry of the octahedral Cd nodes and was shown to possess permanent porosity.

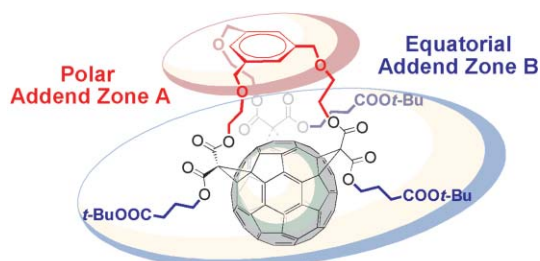


3676

Regioselective synthesis and zone selective deprotection of [60]fullerene tris-adducts with an *e,e,e* addition pattern

Florian Beuerle, Nikos Chronakis and Andreas Hirsch*

We present an elegant route for the regioselective synthesis of *e,e,e* [60]fullerene tris-adducts utilizing *D*_{3h}-symmetrical tripodal tethers. The selective deprotection of the topologically distinct polar and equatorial addend zones provides a facile access to novel functionalized fullerene tris-adducts.

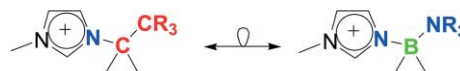


3679

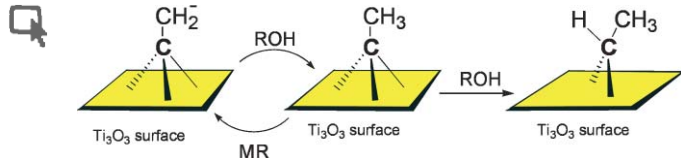
Exploiting isolobal relationships to create new ionic liquids: novel room-temperature ionic liquids based upon (*N*-alkylimidazole)(amine)BH₂⁺ “boronium” ions

Phillip A. Fox, Scott T. Griffin, W. Matthew Reichert, E. Alan Salter, Ashley B. Smith, Morgan D. Tickell, Benjamin F. Wicker, Eugene A. Cioffi, James H. Davis, Jr.,* Robin D. Rogers* and Andrzej Wierzbicki

Readily prepared imidazole-based boronium ions form stable, hydrophobic, room-temperature ionic liquids (RTIL) with unique electronic and spectroscopic characteristics.



3682

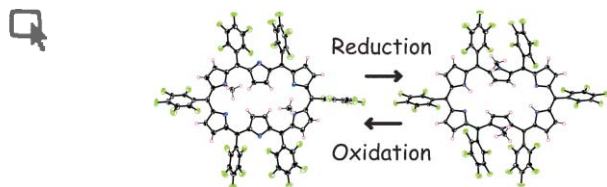


Hydrocarbon species $\mu_3\text{-CCH}_2^-$, $\mu_3\text{-CCH}_3$ and $\mu\text{-CHCH}_3$ supported on Ti_3O_3

Octavio González-del Moral, Avelino Martín, Miguel Mena,* María del Carmen Morales-Varela and Cristina Santamaría

The results here reported show the use of the molecular oxide model [$\{\text{TiCp}^*(\mu\text{-O})\}_3(\mu_3\text{-CMe})$] in the study of the transformation of the μ_3 -ethylidyne unit into the hydrocarbon fragments $\mu_3\text{-CCH}_2^-$ and $\mu\text{-CHCH}_3$.

3685

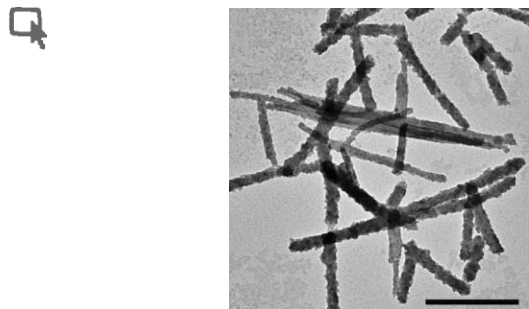


Reversible caterpillar-motion like isomerization in a N,N' -dimethyl hexaphyrin(1.1.1.1.1) induced by two-electron oxidation or reduction

Masaaki Suzuki and Atsuhiko Osuka*

A caterpillar-motion like rotational isomerization of N,N' -dimethyl hexaphyrins can be induced *via* two-electron reduction or oxidation.

3688

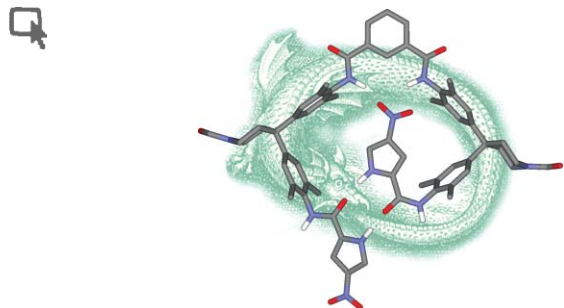


Template-directed synthesis of silica-coated J-aggregate nanotapes

Philippa J. Meadows, Erik Dujardin, Simon R. Hall and Stephen Mann*

Hybrid nanofilaments, consisting of an optically responsive core of stacked porphyrin anions encased within an ultrathin shell of amorphous silica, have been prepared by using self-assembled J-aggregate supramolecular nanotapes as templates for controlled inorganic deposition.

3691



Tailbiter: a new amide foldamer

Christopher A. Hunter,* Andrea Spitaleri and Salvador Tomas*

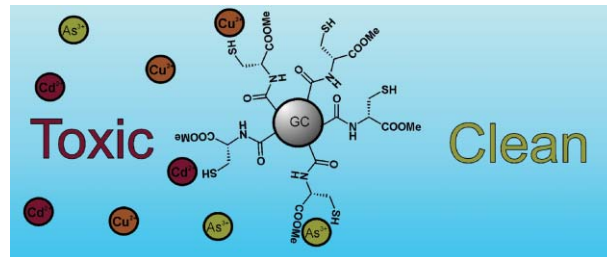
^1H NMR chemical shifts were used to determine the three-dimensional structure of a new polyamide foldamer in solution.

3694

Cysteine methyl ester modified glassy carbon spheres for removal of toxic heavy metals from aqueous media

Gregory G. Wildgoose, Henry C. Leventis, Andrew O. Simm, John H. Jones and Richard G. Compton*

An inexpensive, highly effective method for removing toxic metal ions, such as cadmium(II), copper(II) and arsenic(III), from aqueous media involving the use of cysteine methyl ester modified glassy carbon spheres is presented with potential applications in environmental cleanup or third world drinking water filtration.

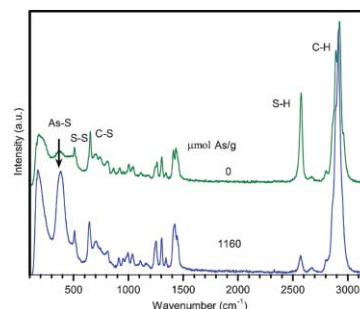


3697

Trapping of arsenite by mercaptopropyl-functionalized mesostructured silica with a wormhole framework

Emily McKimmy, Joel Dulebohn, Jainisha Shah and Thomas J. Pinnavaia*

Thiol-functionalized mesostructured silica, prepared by direct assembly methods, is an effective trapping agent for the removal of arsenite from water.

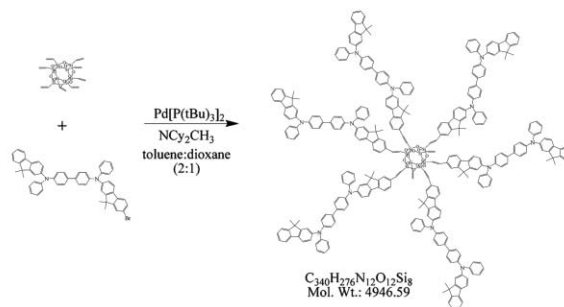


3700

Heck coupling of haloaromatics with octavinylsilsesquioxane: solution processable nanocomposites for application in electroluminescent devices

Alan Sellinger,* Ryo Tamaki, Richard M. Laine, Kazunori Ueno, Hiroshi Tanabe, Evan Williams and Ghassan E. Jabbour

A new hole transport functionalised, solution-processable nanocomposite has been prepared *via* the Heck coupling of octavinylsilsesquioxane with a selected bromoaromatic.

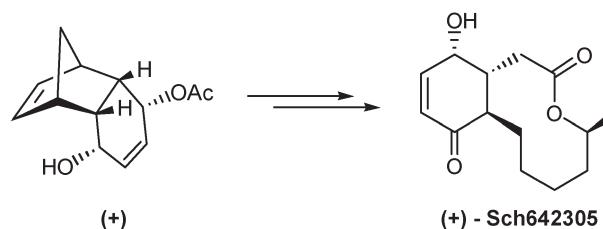


3703

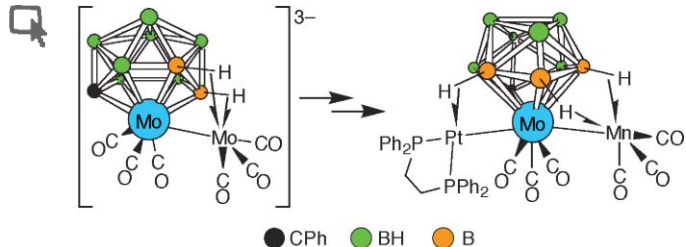
Enantioselective total synthesis of bioactive natural product (+)-Sch 642305: a structurally novel inhibitor of bacterial DNA primase and HIV-1 Tat transactivation

Goverdhan Mehta* and Harish M. Shinde

The total synthesis of the bioactive natural product (+)-Sch 642305, a potent inhibitor of bacterial DNA primase and HIV-1 Tat transactivation, has been achieved with an overall yield of 12%. Starting with a readily available chiral building block, the synthesis highlights the use of an RCM protocol for the efficient construction of the key decalactone moiety.



3706

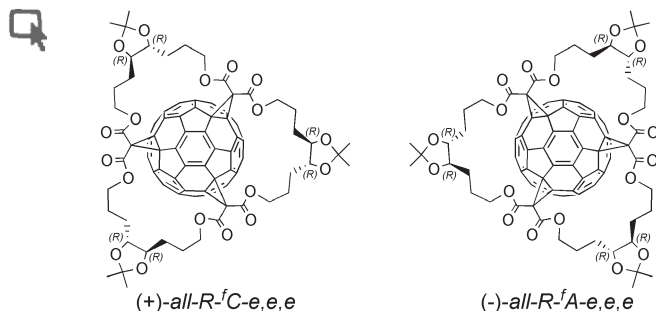


The bis-molybdenum(0) trianion [1,3,6-{Mo(CO)₃}-3,6-(μ-H)₂-1,1,1-(CO)₃-2-Ph-closo-1,2-MoCB₉H₇]³⁻ and its use as a scaffold in the assembly of heteropolymetallic complexes

Peng Lei, Thomas D. McGrath and F. Gordon A. Stone*

The title dimolybdenacarborane trianion undergoes successive addition of manganese and platinum fragments to give a neutral trimetallic species.

3709

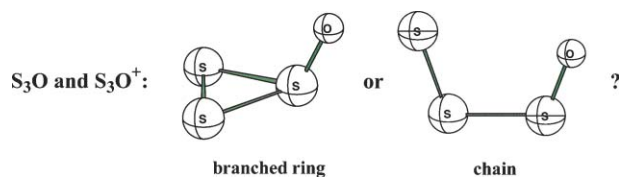


Regio- and stereoselective synthesis of enantiomerically pure [60]fullerene tris-adducts with an inherently chiral e,e,e addition pattern

Nikos Chronakis and Andreas Hirsch*

The regio- and stereoselective synthesis of the enantiomerically pure [60]fullerene tris-adducts (+)-all-*R*-^f*C*-e,e,e and (-)-all-*R*-^f*A*-e,e,e was achieved *via* the Bingel cyclopropanation of C₆₀ with a chiral *D*₃-symmetrical cyclo-tris(malonate) tether. The ^f*C* and ^f*A* enantiomers were separated and purified by simple column chromatography on SiO₂.

3712

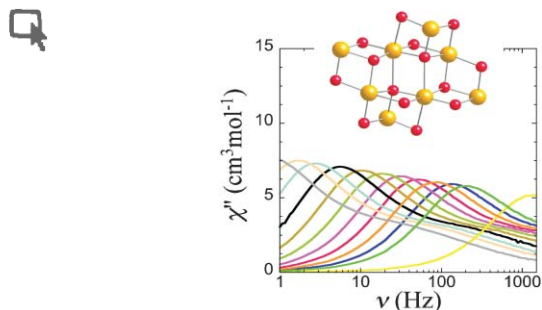


Structures of the trisulfur oxides S₃O and S₃O⁺: branched rings, not open chains

Ming Wah Wong* and Ralf Stuedel

Higher-level *ab initio* calculations showed that the global energy minimum for both S₃O and S₃O⁺ is a branched, three-membered ring, not an open chain form.

3715



A novel octanuclear Mn(III) aggregate as a single-molecule magnet

Meenal D. Godbole, Olivier Roubeau,* Rodolphe Clérac, Huub Kooijman, Anthony L. Spek and Elisabeth Bouwman*

The dc and ac magnetic properties of the novel complex [Mn₈O₂(OH)₂(OMe)₁₂(OAc)₂(Mesalim)₄] evidence its high spin ground state and SMM behaviour. The complex is a new addition to the relatively small number of single molecule magnets.

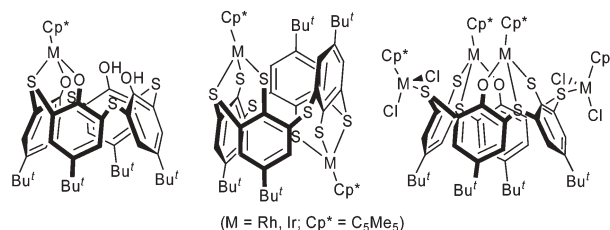
3718

Syntheses and structures of mono-, di- and tetranuclear rhodium or iridium complexes of thiacalix[4]arene derivatives

Kenji Hirata, Toshiaki Suzuki, Ai Noya, Izuru Takei and Masanobu Hidai*

The reactions of $[\text{Cp}^*\text{MCl}_2]_2$ ($\text{M} = \text{Rh}, \text{Ir}$) with thiacalix[4]arene and tetramercaptothiacalix[4]arene gave $[(\text{Cp}^*\text{M})\{\eta^3\text{-TC4A}(\text{OH})_2(\text{O})_2\}]$ and $[(\text{Cp}^*\text{M})_2\{\eta^3:\eta^3\text{-TC4A}(\text{S})_4\}]$ respectively, while the analogous reactions with dimercaptothiacalix[4]arene produced the tetranuclear complexes $[(\text{Cp}^*\text{M})_2(\text{Cp}^*\text{MCl}_2)_2\{\eta^3:\eta^3:\eta^1:\eta^1\text{-TC4A}(\text{O})_2(\text{S})_2\}]$.

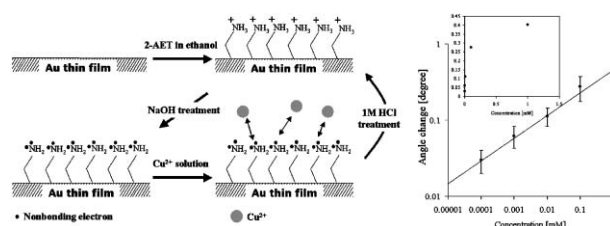
3721



Fabrication of reusable sensor for detection of Cu^{2+} in an aqueous solution using a self-assembled monolayer with surface plasmon resonance spectroscopy

Taewook Kang, Surin Hong, Jungwoo Moon, Seogil Oh and Jongheop Yi*

The proposed procedure for recycling the sensor surface consists of (1) the self-assembly of 2-aminoethanethiol hydrochloride, (2) the neutralization of zwitterion-like species, $-\text{NH}_3^+\text{Cl}^-$ to $-\text{NH}_2$, (3) the detection of Cu^{2+} , and finally (4) regeneration of the sensor surface.

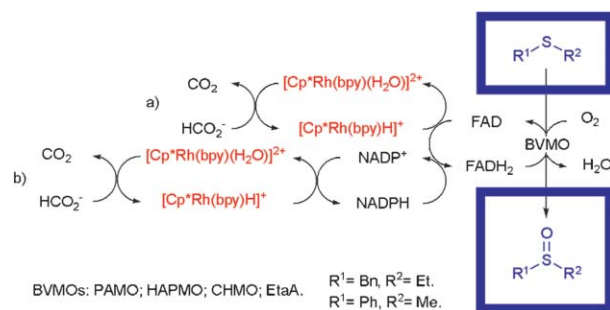


3724

$[\text{Cp}^*\text{Rh}(\text{bpy})(\text{H}_2\text{O})]^{2+}$ as a coenzyme substitute in enzymatic oxidations catalyzed by Baeyer–Villiger monooxygenases

Gonzalo de Gonzalo, Gianluca Ottolina,* Giacomo Carrea and Marco W. Fraaije

The organometallic complex $[\text{Cp}^*\text{Rh}(\text{bpy})\text{H}]^+$ can be used as a coenzyme substitute in Baeyer–Villiger monooxygenase catalyzed oxidations. The presence of NADPH enhances enzyme enantioselectivity by properly shaping the active site of these enzymes.

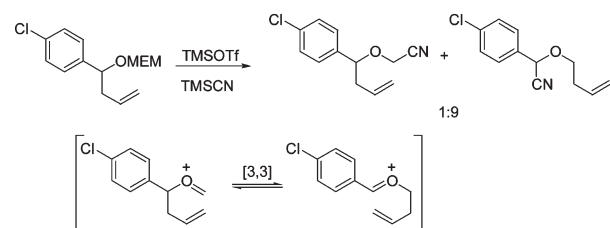


3727

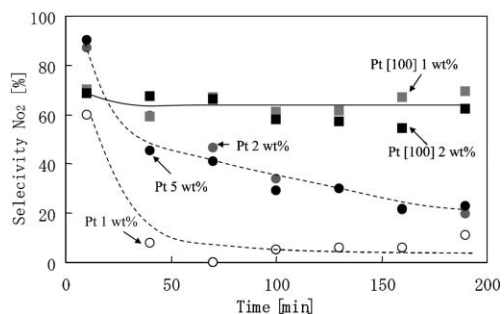
Probing the mechanism of Prins cyclisations and application to the synthesis of 4-hydroxytetrahydropyrans

Conor S. Barry, Nick Bushby, John R. Harding, Rachael A. Hughes, Gregory D. Parker, Richard Roe and Christine L. Willis*

Reaction of homoallylic MEM ethers with acid gives intermediates which have been trapped with carbon-based nucleophiles. A further insight into the factors affecting such reactions enables the design of efficient syntheses of 4-hydroxy-2,6-disubstituted tetrahydropyrans.



3730

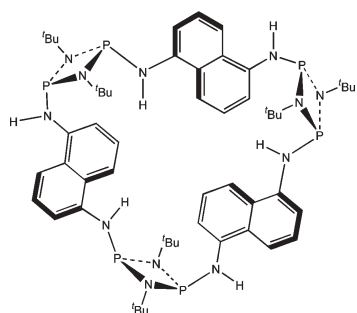


Nitrite reduction on morphologically controlled Pt nanoparticles

Akane Miyazaki,* Toru Asakawa, Yoshio Nakano and Ioan Balint

On the surface of morphologically controlled Pt nanoparticles, statistically rich in [100] crystalline facet, nitrite ions were reduced by H₂ to N₂ with high and stable selectivity.

3733

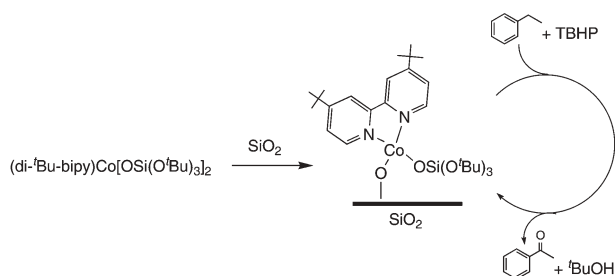


Synthesis and structure of the calixarene-like phosph(III)azane macrocycle $[\{P(\mu\text{-}N^t\text{Bu})\}_2\{1,5\text{-(NH)}_2\text{C}_{10}\text{H}_6\}]_3$

Fay Dodds, Felipe García, Richard A. Kowenicki, Mary McPartlin, Alexander Steiner and Dominic S. Wright*

The trimeric macrocycle $[\{P(\mu\text{-}N^t\text{Bu})\}_2\{1,5\text{-(NH)}_2\text{C}_{10}\text{H}_6\}]_3$ (**1**) is the largest macrocycle of this type to be reported, possessing a cone-shaped (calixarene-like) arrangement with an 8.8 Å diameter cavity.

3736



Liquid-phase oxidation of alkylaromatics by a H-atom transfer mechanism with a new heterogeneous CoSBA-15 catalyst

Richard L. Brutchey, Ian J. Drake, Alexis T. Bell and T. Don Tilley*

A new pseudo-tetrahedral Co(II) complex has been grafted onto the surface of SBA-15 and successfully utilized for the catalytic oxidation of alkylaromatic substrates with *tert*-butyl hydroperoxide *via* an H-atom transfer mechanism.

3739



Supramolecular self-assembly on a solid support: metal-directed complementarity

Edwin C. Constable,* Catherine E. Housecroft, John N. Lambert* and Dan A. Malarek

Resin bound bis(2,2'-bipyridine)s template the formation of the complementary bis(2,2':6',2'')-terpyridine)s in the presence of copper(II).

**Supramolecular self-assembly on a solid support:
metal-directed complementarity**

Edwin C. Constable, Catherine E. Housecroft,
John N. Lambert and Dan A. Malarek

Chemical Biology Virtual Journal

An easy-to-use point of access to all chemical biology literature in RSC publications

- Access to review articles, primary literature and book information
- Current awareness features, news and views
- **FREE** access to selected articles
- **FREE** fortnightly email updates of new content

Covers all of the RSC's chemical biology literature as well as other articles and products of interest to the chemical biology community.


AUTHOR INDEX

- Asakawa, Toru, 3730
 Balint, Ioan, 3730
 Barry, Conor S., 3727
 Batsanov, Andrei S., 3649
 Bell, Alexis T., 3736
 Beuerle, Florian, 3676
 Bouwman, Elisabeth, 3715
 Braga, Dario, 3635
 Brutchey, Richard L., 3736
 Bushby, Nick, 3727
 Carrea, Giacomo, 3724
 Çelik, Ayhan, 3652
 Chronakis, Nikos, 3676, 3709
 Cioffi, Eugene A., 3679
 Clérac, Rodolphe, 3715
 Compton, Richard G., 3694
 Constable, Edwin C., 3739, 3742
 Davis, Jr., James H., 3679
 de Gonzalo, Gonzalo, 3724
 Dodds, Fay, 3733
 Drake, Ian J., 3736
 Dujardin, Erik, 3688
 Dulebohn, Joel, 3697
 Ellis-Davies, Graham C. R., 3664
 Fedoryak, Olesya D., 3664
 Fernando, K. A. Shiral, 3670
 Fox, Phillip A., 3679
 Fraaije, Marco W., 3724
 García, Felipe, 3733
 Gibson, Harry W., 3655
 Godbole, Meenal D., 3715
 González-del Moral, Octavio, 3682
 Grepioni, Fabrizia, 3635
 Griffin, Scott T., 3679
 Hall, Simon R., 3688
 Harding, John R., 3727
 Haydon, Philip G., 3664
 Hidai, Masanobu, 3718
 Hirano, Shinya, 3646
 Hirata, Kenji, 3718
 Hirsch, Andreas, 3676, 3709
 Hong, Surin, 3721
 Houk, K. N., 3667
 Housecroft, Catherine E., 3739, 3742
 Huang, Feihe, 3655
 Hughes, Rachael A., 3727
 Hunter, Christopher A., 3691
 Jabbour, Ghassan E., 3700
 Jones, John H., 3694
 Kang, Taewook, 3721
 Katagiri, Toshimasa, 3658
 Kato, Masako, 3646
 Kleij, Arjan W., 3661
 Kooijman, Huub, 3715
 Kowenicki, Richard A., 3733
 Laine, Richard M., 3700
 Lambert, John N., 3739, 3742
 Larsen, Finn K., 3649
 Lei, Peng, 3706
 Leventis, Henry C., 3694
 Lin, Wenbin, 3673
 Lin, Yi, 3670
 Lutz, Martin, 3661
 Malarek, Dan A., 3739, 3742
 Mann, Stephen, 3688
 Martín, Avelino, 3682
 McGrath, Thomas D., 3706
 McKimmy, Emily, 3697
 McPartlin, Mary, 3733
 Meadows, Philippa J., 3688
 Mehta, Goverdhan, 3703
 Mena, Miguel, 3682
 Miyazaki, Akane, 3730
 Moon, Jungwoo, 3721
 Morales-Varela, María del Carmen, 3682
 Muryn, Christopher A., 3649
 Nakano, Yoshio, 3730
 Noya, Ai, 3718
 Oh, Seogil, 3721
 Osuka, Atsuhiko, 3685
 Ottolina, Gianluca, 3724
 Overgaard, Jacob, 3649
 Palmer, Liam C., 3667
 Parker, Gregory D., 3727
 Pinnavaia, Thomas J., 3697
 Rebek, Jr., Julius, 3667
 Reek, Joost N. H., 3661
 Reichert, W. Matthew, 3679
 Roe, Richard, 3727
 Rogers, Robin D., 3679
 Roubeau, Olivier, 3715
 Salter, E. Alan, 3679
 Santamaria, Cristina, 3682
 Sellinger, Alan, 3700
 Shah, Jainisha, 3697
 Shinde, Harish M., 3703
 Simm, Andrew O., 3694
 Smith, Ashley B., 3679
 Speight, Robert E., 3652
 Spek, Anthony L., 3661, 3715
 Spitaleri, Andrea, 3691
 Steiner, Alexander, 3733
 Steudel, Ralf, 3712
 Stone, F. Gordon A., 3706
 Sul, Jai-Yoon, 3664
 Sun, Ya-Ping, 3670
 Suzuki, Masaaki, 3685
 Suzuki, Toshiaki, 3718
 Switek, Karen A., 3655
 Takahashi, Satoshi, 3658
 Takei, Izuru, 3718
 Tamaki, Ryo, 3700
 Tanabe, Hiroshi, 3700
 Teat, Simon J., 3649
 Tickell, Morgan D., 3679
 Tilley, T. Don, 3736
 Timco, Grigore A., 3649
 Toda, Fumio, 3646
 Tomas, Salvador, 3691
 Toyota, Shinji, 3646
 Turner, Nicholas J., 3652
 Ueno, Kazunori, 3700
 Uneyama, Kenji, 3658
 van Leeuwen, Piet W. N. M., 3661
 Wang, Wei, 3670
 Wang, Xin, 3670
 Wicker, Benjamin F., 3679
 Wierzbicki, Andrzej, 3679
 Wildgoose, Gregory G., 3694
 Williams, Evan, 3700
 Willis, Christine L., 3727
 Winpenny, Richard E. P., 3649
 Wong, Ming Wah, 3712
 Wright, Dominic S., 3733
 Wu, Chuan-De, 3673
 Xie, Su-Yuan, 3670
 Yi, Jongheop, 3721
 Zhao, Yi-Lei, 3667

FREE E-MAIL ALERTS

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.

* 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).

ADVANCE ARTICLES AND ELECTRONIC JOURNAL

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