NJC

New Journal of Chemistry. An international journal for the chemical sciences
www.rsc.org/njc

*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 1144–0546 CODEN NJCHES 31(10) 1693–1832 (2007)


**Cover**
See Zhaohua Dai and James W. Canary, p. 1708.
The propeller shape of this mariposa lily from the Western US is reminiscent of the tripodal ligand complexes of zinc(II) that are the topic of a Perspective by Dai and Canary.
Image reproduced by permission of Zhaohua Dai and James W. Canary from *New J. Chem.*, 2007, **31**, 1708.

## CHEMICAL SCIENCE



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**
October 2007/Volume 4/Issue 10
www.rsc.org/chemicalscience

## OPINION



**What is and what isn't a clock reaction?**

Gábor Lente,* György Bazsa and István Fábián

Clear distinction should be made between the several different causes that may lead to an induction period in a kinetic experiment.

***Clock reaction*:**
$A + \ldots \rightarrow P + \ldots$ rate determining
$B + P \rightarrow \ldots$ fast

***Autocatalysis*:**
$A + P \rightarrow 2P \quad d[P]/dt = k\,[A]^a[P]^b$

# NJC

New Journal of Chemistry

An international journal for the chemical sciences

**www.rsc.org/njc**


The New Journal of Chemistry is a broad-based primary journal encompassing all branches of the chemical sciences. Published monthly, it contains full research articles, letters, opinions and perspectives.




New Journal of Chemistry (Print: ISSN 1144-0546; electronic: ISSN 1369-9261) is published 12 times a year by the Centre National de la Recherche Scientifique (CNRS), 3 rue Michel-Ange, 75794 Paris cedex 16, France, and the Royal Society of Chemistry (RSC), 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

2007 Annual (print + electronic) subscription price: £747; US$1412. 2007 Annual (electronic) subscription price: £672; US$1271. 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 New Journal of Chemistry, c/o Mercury Airfreight International Ltd., 365 Blair Road, Avenel, NJ 07001. All despatches outside the UK by Consolidated Airfreight.

PRINTED IN THE UK

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

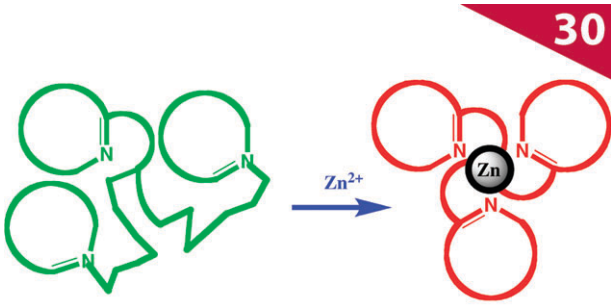



## INFORMATION FOR AUTHORS

Full details of how to submit material for publication in the New Journal of Chemistry are given in the Instructions for Authors (available from http://www.rsc.org/authors). Submissions should be sent *via* ReSourCe: http://www.rsc.org/resource. Authors may reproduce/republish portions of their published contribution without seeking permission from the CNRS and the RSC, provided that any such republication is accompanied by an acknowledgement in the form: (Original Citation) – Reproduced by permission of the CNRS and the RSC.

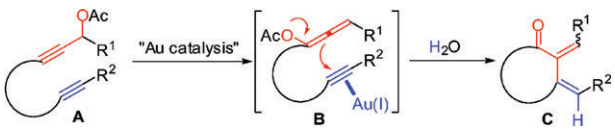
## PERSPECTIVE



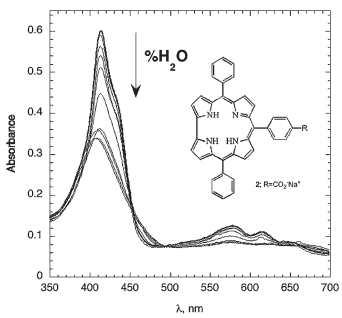



## LETTERS

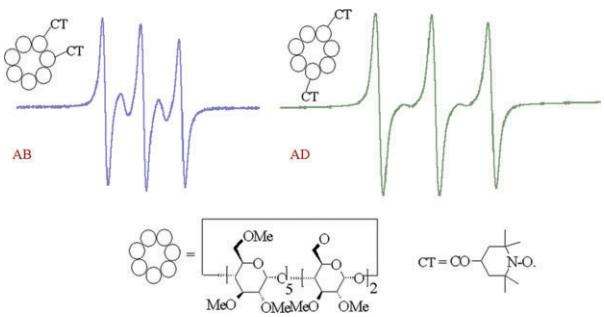


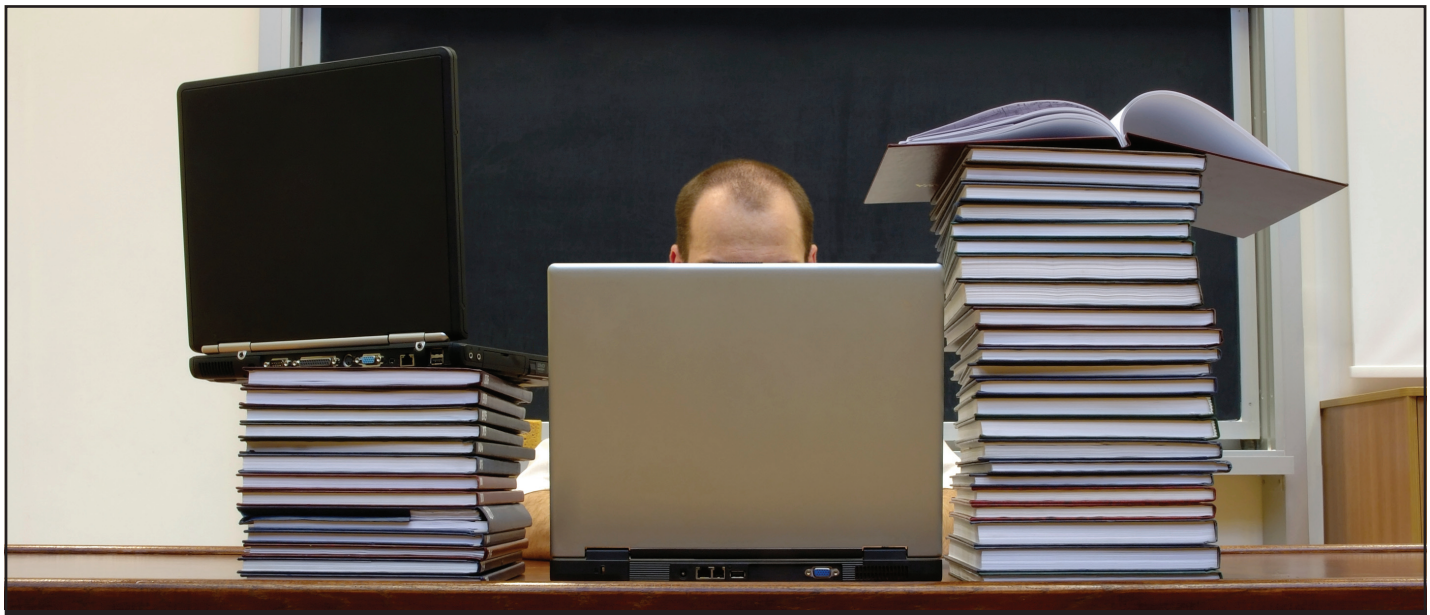








## There is an easier way to keep up with research in your field…

An integral part of managing your career as a scientist is staying on top of the news and developments in your field of research and related areas. A good knowledge of your industry is a key component to your success, but finding the time to keep up with the latest research news can pose the greatest challenge.

**The solution?** By signing up for e-alerts from one of our free news services, you can receive updates about newsworthy and significant research appearing in RSC journals in a quick and easily digestible monthly alert.

**Free access.** From each news item you can link directly to the source research paper, which is completely free to access and download for a limited period.

**New tools to help you.** In addition to research news, our news services also feature

- **Instant insights** – whirlwind tours of exciting research areas you should know about
- **Interviews** – leading scientists share their opinions

**Chemical Technology**
www.rsc.org/chemicaltechnology

**Chemical Science**
www.rsc.org/chemicalscience

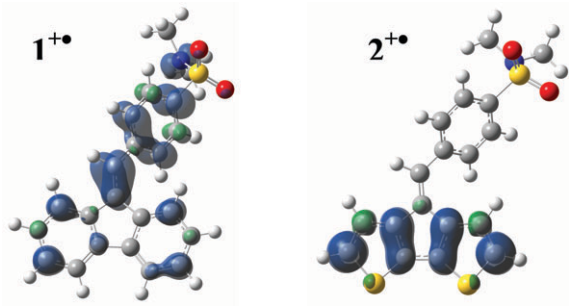
**Chemical Biology**
www.rsc.org/chembiology

101 10633

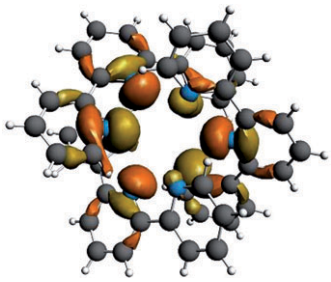
RSC Publishing

www.rsc.org/ej_alert

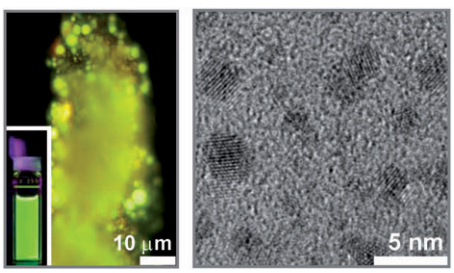
Registered Charity Number 207890



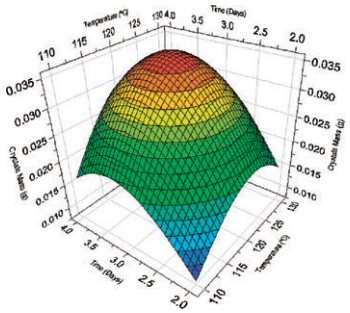


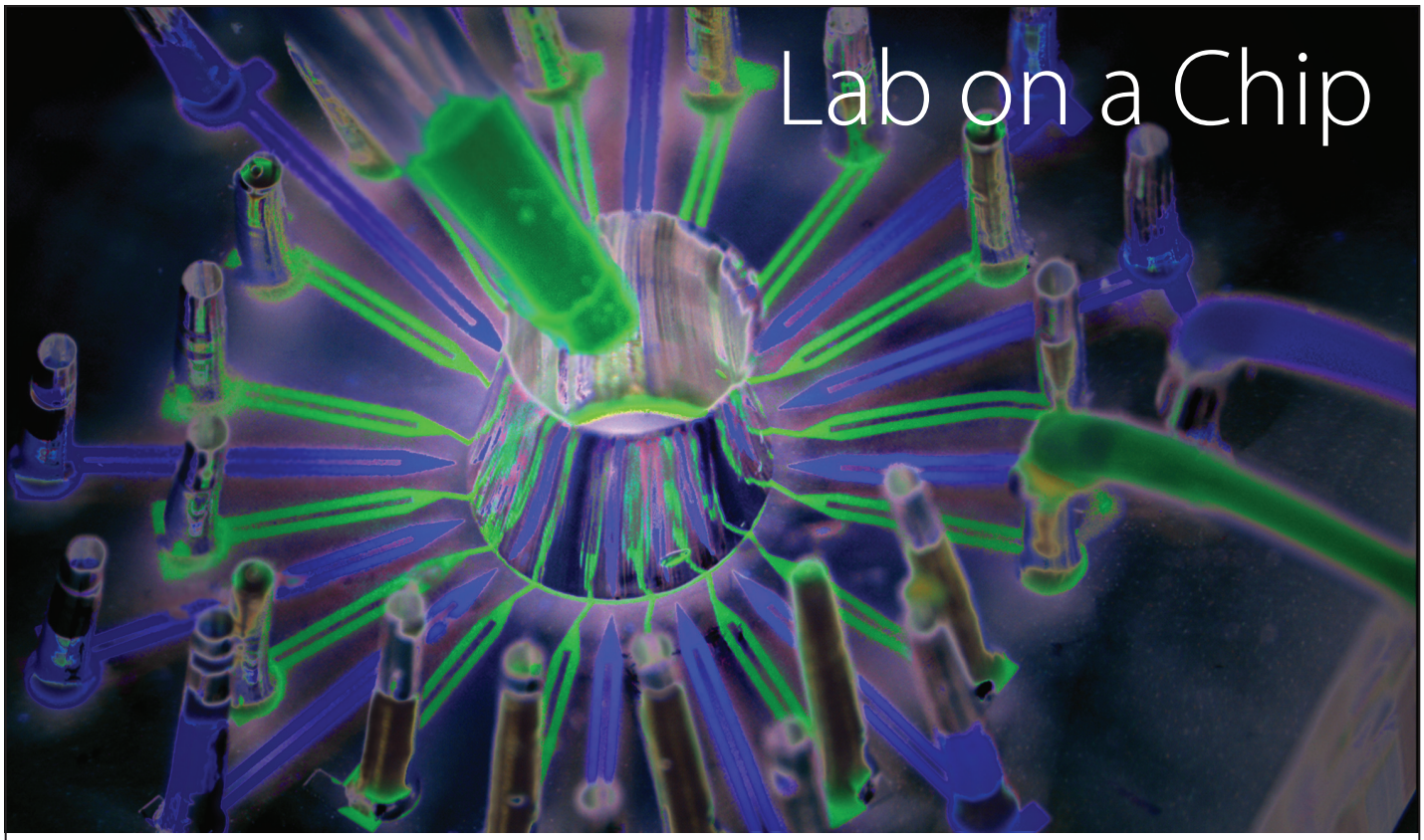





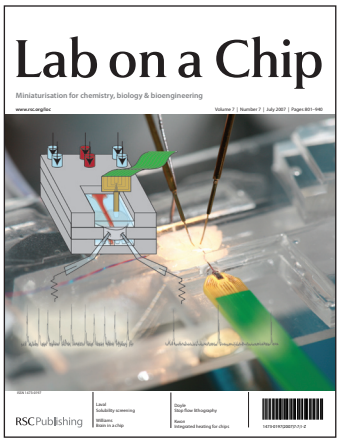







Publishing the latest key developments, novel applications and fundamental research at the micro- and nano-scale, *Lab on a Chip* has it all for on- and off- chip research.




- Soaring visibility, Impact factor: 5.821*
- Fast publication times - typically 90 days
- At the cutting edge of research with 12 issues per year
- Host of 'Chips and Tips', a free online forum for sharing best practice and ideas exchange
- Indexed in MEDLINE

**Submit your work today!**

* 2006 Thomson Scientific (ISI) Journal Citation Reports ®

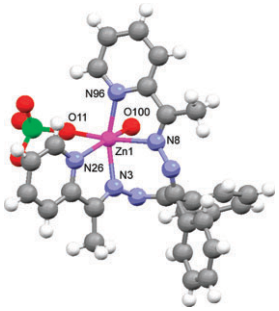
RSC Publishing

**www.rsc.org/loc**

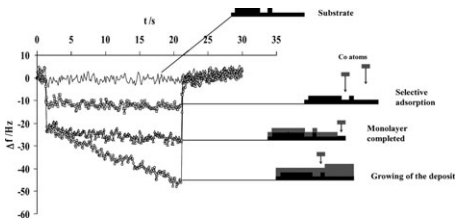
Registered Charity Number 207890

13080759

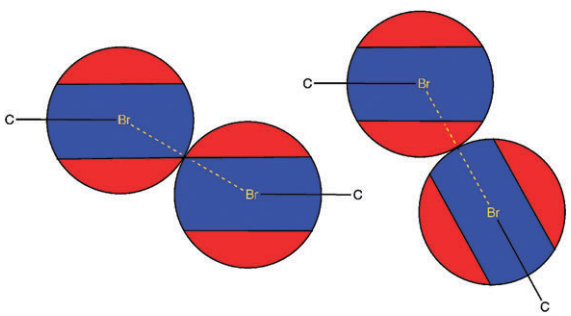


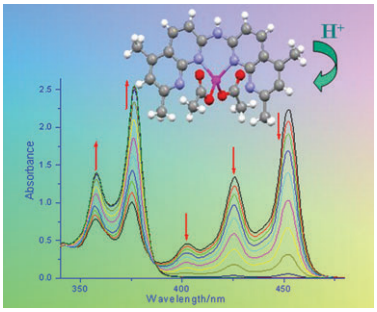




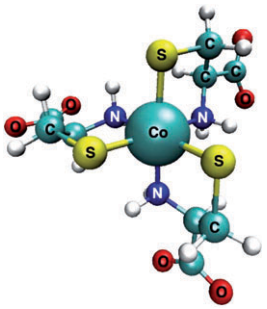





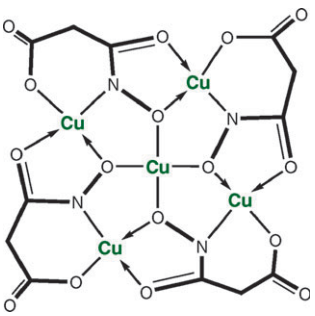





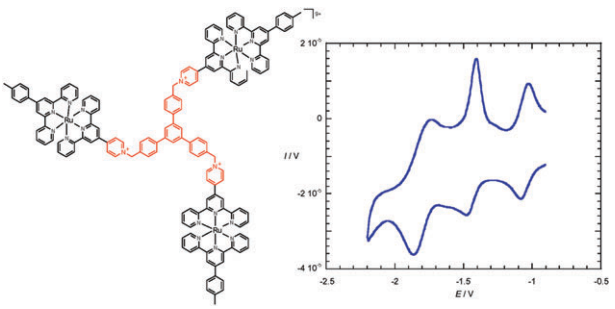


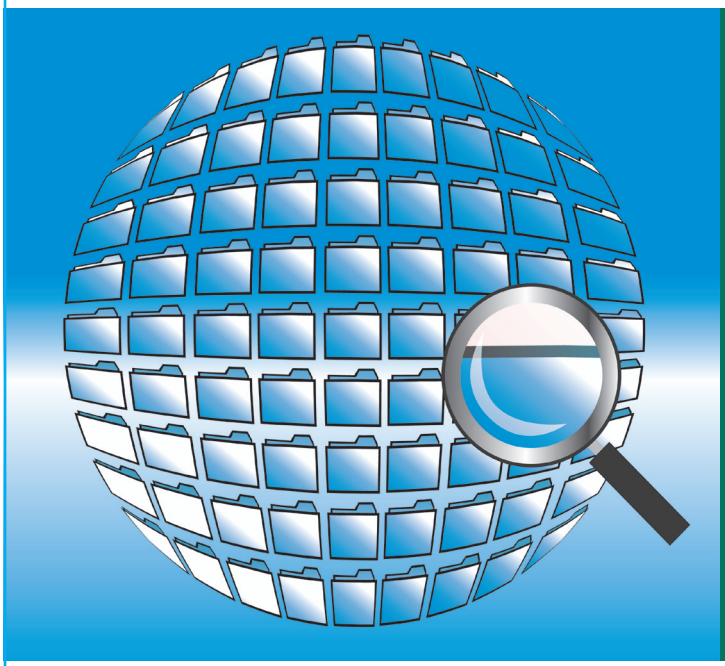




# RSC Database and Current Awareness Products



- Abstracted from high quality sources
- Easy to use search functions
- Clearly displayed results
- Spanning the chemical sciences

## for quick and easy searching

**Graphical Databases**

present search results in both text and graphical form. Titles include *Catalysts & Catalysed Reactions, Methods in Organic Synthesis* and *Natural Product Updates*.

**Specialist Databases**

review both academic and industrial literature on a wide range of hard to reach and unique information. Titles include *Chemical Hazards in Industry* and *Laboratory Hazards Bulletin*.

**Analytical Abstracts**

is the first stop for analytical scientists. Offering coverage on all areas of analytical and bioanalytical science. With a fresh new look, including improved search and results features, *Analytical Abstracts* offers an excellent online service.

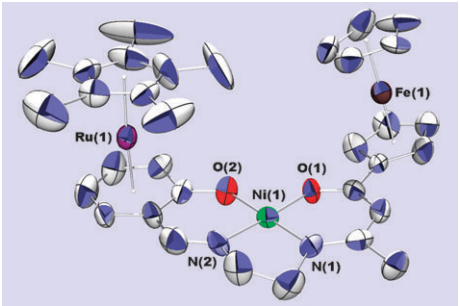
06020718

## Find out more at

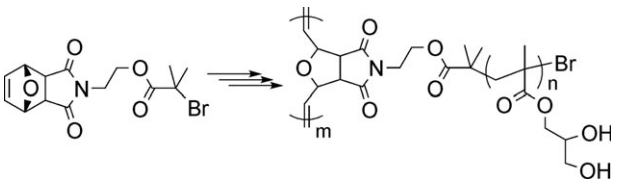
RSC Publishing

**www.rsc.org/databases**

Registered Charity Number 207890





## AUTHOR INDEX



## FREE E-MAIL ALERTS AND RSS FEEDS

Contents lists in advance of publication are available on the web via www.rsc.org/njc – 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).