

Publishing

Other RSC site areas...

GO

GO

Home ▶ Publishing ▶ Journals ▶ Chemical Society Reviews ▶ News ▶ 2010

About this Journal

- ▶ Journal Home
- ▶ About the Journal

Read the Journal

- ▶ Advance Articles
- ▶ Browse Issues
- ▶ Search RSC Journals
- ▶ RSC Prospect Structure Search
- ▶ E-Alerts Service
- ▶ RSS feed

ReSourCe

- ▶ Submit an Article
- ▶ Author Guidelines
- ▶ Ethical Guidelines
- ▶ Copyright & Permissions
- ▶ Referee Report Forms

Explore the Journal

- ▶ Hot Articles
- ▶ Cover Gallery
- ▶ Top 10
- ▶ People and Contacts

Customer Services

- ▶ Subscriptions
- ▶ Advertising
- ▶ Librarians

Tools

- [✉ Email this to a friend](#)
- [✉ Email your librarian](#)
- [Add to del.icio.us](#)
- [Digg this story](#)
- [Share on Facebook](#)
- [Seed Newsvine](#)
- [Reddit this](#)
- [Twitter this](#)

Chem Soc Rev

The home of high impact reviews from across the chemical sciences.

Chem Soc Rev

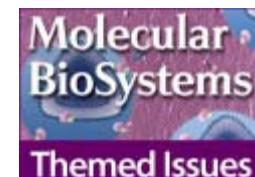


Related Products

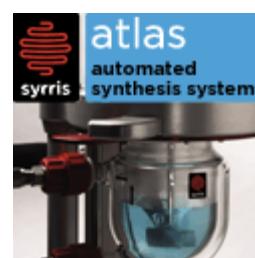
- ▶ Chemical Communications
- ▶ New Journal of Chemistry
- ▶ Books

Also Of Interest

- ▶ Chemical Science



Advertisements



Chem Soc Rev Top 10 2009

12 January 2010

In 2009 we published more reviews than ever before but find out below which were the most accessed online.

Critical Reviews

Density functional theory simulations of complex hydride and carbon-based hydrogen storage materials

S. A. Shevlin and Z. X. Guo, *Chem. Soc. Rev.*, 2009, 38, 211
DOI: 10.1039/b815553b

Heterogeneous photocatalyst materials for water splitting

Akihiko Kudo and Yugo Miseki, *Chem. Soc. Rev.*, 2009, 38, 253
DOI: 10.1039/b800489g

Gold nanoparticles in nanomedicine: preparations, imaging, diagnostics, therapies and toxicity

Elodie Boisselier and Didier Astruc, *Chem. Soc. Rev.*, 2009, 38, 1759
DOI: 10.1039/b806051g

Metal-organic framework materials as catalysts

JeongYong Lee, Omar K. Farha, John Roberts, Karl A. Scheidt, SonBinh T. Nguyen and Joseph T. Hupp, *Chem. Soc. Rev.*, 2009, 38, 1450
DOI: 10.1039/b807080f

Amide bond formation: beyond the myth of coupling reagents

Eric Valeur and Mark Bradley, *Chem. Soc. Rev.*, 2009, 38, 606
DOI: 10.1039/b701677h

Hydrogen storage in metal-organic frameworks

Leslie J. Murray, Mircea Dincă and Jeffrey R. Long, *Chem. Soc. Rev.*, 2009, 38, 1294
DOI: 10.1039/b802256a

Industrial applications of metal-organic frameworks

Alexander U. Czaja, Natalia Trukhan and Ulrich Müller, *Chem. Soc. Rev.*, 2009, 38, 1284
DOI: 10.1039/b804680h

Luminescent metal-organic frameworks

M. D. Allendorf, C. A. Bauer, R. K. Bhakta and R. J. T. Houk, *Chem. Soc. Rev.*, 2009, 38, 1330
DOI: 10.1039/b802352m

Selective gas adsorption and separation in metal-organic frameworks

Jian-Rong Li, Ryan J. Kuppler and Hong-Cai Zhou, *Chem. Soc. Rev.*, 2009, 38, 1477
DOI: 10.1039/b802426j

Secondary building units, nets and bonding in the chemistry of

metal-organic frameworks

David J. Tranchemontagne, José L. Mendoza-Cortés, Michael O'Keeffe and Omar M. Yaghi, *Chem. Soc. Rev.*, 2009, 38, 1257
DOI: 10.1039/b817735j

Tutorial Reviews

Single nanowire photovoltaics

Bozhi Tian, Thomas J. Kempa and Charles M. Lieber, *Chem. Soc. Rev.*, 2009, 38, 16
DOI: 10.1039/b718703n

Infinite coordination polymer nano- and microparticle structures

Alexander M. Spokoyny, Dongwoo Kim, Abdelqader Sumrein and Chad A. Mirkin, *Chem. Soc. Rev.*, 2009, 38, 1218
DOI: 10.1039/b807085g

The economies of synthesis

Timothy Newhouse, Phil S. Baran and Reinhard W. Hoffmann, *Chem. Soc. Rev.*, 2009, 38, 3010
DOI: 10.1039/b821200g

Organocatalysis—after the gold rush

Søren Bertelsen and Karl Anker Jørgensen, *Chem. Soc. Rev.*, 2009, 38, 2178
DOI: 10.1039/b903816g

Cobalt-phosphate oxygen-evolving compound

Matthew W. Kanan, Yogesh Surendranath and Daniel G. Nocera, *Chem. Soc. Rev.*, 2009, 38, 109
DOI: 10.1039/b802885k

New approaches to hydrogen storage

Jason Graetz, *Chem. Soc. Rev.*, 2009, 38, 73
DOI: 10.1039/b718842k

Enantioselective catalysis with homochiral metal-organic frameworks

Liqing Ma, Carter Abney and Wenbin Lin, *Chem. Soc. Rev.*, 2009, 38, 1248
DOI: 10.1039/b807083k

Electrocatalytic and homogeneous approaches to conversion of CO₂ to liquid fuels

Eric E. Benson, Clifford P. Kubiak, Aaron J. Sathrum and Jonathan M. Smieja, *Chem. Soc. Rev.*, 2009, 38, 89
DOI: 10.1039/b804323j

Biology and technology for photochemical fuel production

Michael Hambourger, Gary F. Moore, David M. Kramer, Devens Gust, Ana L. Moore and Thomas A. Moore, *Chem. Soc. Rev.*, 2009, 38, 25
DOI: 10.1039/b800582f

Polymerization reactions in porous coordination polymers

Takashi Uemura, Nobuhiro Yanai and Susumu Kitagawa, *Chem. Soc. Rev.*, 2009, 38, 1228
DOI: 10.1039/b802583p

Also of interest



Chem Soc Rev Emerging Investigator Award: Call for Nominations
17 November 2009
Nominations now invited for 2010 award!

stuart
The future of melting points is here

+44(0)1707 377117



Molecular Rare Earth Models Magnets



Mobile Ductless Fume Hoods with modular filtration column

