

Energy and Environmental Science

Highlights from our books portfolio

www.rsc.org/books



Royal Society of Chemistry Books

The Royal Society of Chemistry is the world's leading chemistry community, advancing excellence in the chemical sciences. With a knowledge business that spans the globe, we are the UK's professional body for chemical scientists; a not-for-profit organisation with 170 years of history and an international vision for the future.

We promote, support and celebrate chemistry while working to shape the future of the chemical sciences – for the benefit of science and humanity.

With over 1,300 titles forming a collection spanning 46 years of research, our titles are carefully commissioned to appeal to a diverse readership.

What our Energy and Environmental Science books portfolio has to offer you

Featuring a superb selection of book series, textbooks and professional reference titles, our Energy and Environmental Science portfolio:

- **details the latest research advances in energy and environmental science;**
- **highlights ground-breaking technology;**
- **provides reference information, opinions and perspective on modern science.**

If you need help with background reading, insight to advance your career or simply want to fill any gaps in your knowledge, our selection of energy and environmental science titles will be an indispensable resource.

Here, we feature some of our highlights from the Energy and Environmental Science portfolio. To view all our titles, visit [**www.rsc.org/books**](http://www.rsc.org/books)

Also of interest

In addition to our book titles, we also have a wide range of journals that you can trust to deliver high quality content. Choose from journals including *Energy & Environmental Science*, *Environmental Science: Processes & Impacts*, *Green Chemistry* and *Catalysis Science & Technology*.

For more information on our entire publishing portfolio visit [**www.rsc.org**](http://www.rsc.org)

Energy and Environmental Science series

Issues in Environmental Science and Technology

Series Editors: **R M Harrison** University of Birmingham, UK | **R E Hester** University of York, UK

Presenting a multidisciplinary approach to pollution and environmental science, this series covers the chemistry of environmental processes as well as broader economic, legal and political issues.

<http://rsc.li/environmental-science>

Highlights from the series

Geoengineering of the Climate System

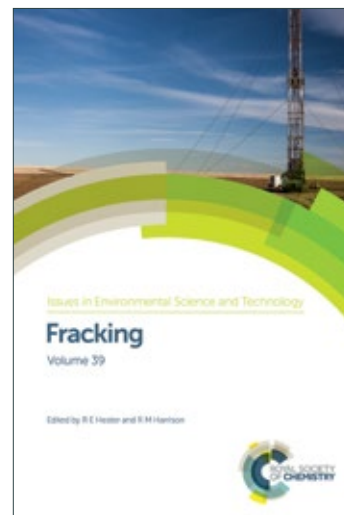
R M Harrison University of Birmingham, UK | **R E Hester** University of York, UK

Hardback | 270 pages | 9781849739535 | 2014 | £67.50 | \$108.00

Pharmaceuticals in the Environment

R M Harrison University of Birmingham, UK | **R E Hester** University of York, UK

Hardback | 250 pages | 9781782621898 | 2015 | £67.50 | \$108.00



Fracking
Hardback | 246 pages
9781849739207 | 2014
£67.50 | \$108.00

RSC Catalysis Series

Editor-in-Chief: **Chris Hardacre** Queen's University Belfast, UK

Series Editor: **Jose Rodriguez** Brookhaven National Laboratory, USA

Catalysis is a key factor in tackling many of the scientific challenges we face today. Books in this series cover both the research developments and applications of this exciting field.

<http://rsc.li/catalysis-series>

Highlights from the series

Environmental Catalysis over Gold-Based Materials

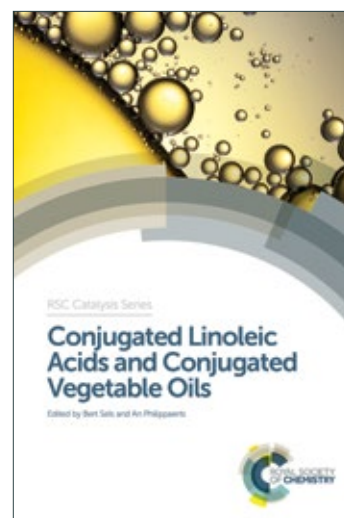
George Avgouropoulos University of Patras, Greece | **Tatyana Tabakova** Bulgarian Academy of Sciences, Bulgaria

Hardback | 227 pages | 9781849735711 | 2013 | £139.99 | \$230.00

Catalysis in Ionic Liquids: From Catalyst Synthesis to Application

Chris Hardacre Queen's University, UK | **Vasile Parvulescu** University of Bucharest, Romania

Hardback | 620 pages | 9781849736039 | 2014 | £175.00 | \$290.00



Conjugated Linoleic Acids and
Conjugated Vegetable Oils
Hardback | 247 pages
9781849739009 | 2014
£145.00 | \$240.00

RSC Energy and Environment Series

Editor-in-Chief: Laurence Peter University of Bath, UK

Series Editors: Heinz Frei Lawrence Berkeley National Laboratory, USA |
Roberto Rinaldi Max Planck Institute for Coal Research, Germany | **Tim S Zhao** The Hong Kong University of Science and Technology, China

This series reflects the wealth of chemical ideas and concepts that impact our search for a sustainable energy future.

<http://rsc.li/energy-environment-series>

Highlights from the series

Materials Challenges: Inorganic Photovoltaic Solar Energy

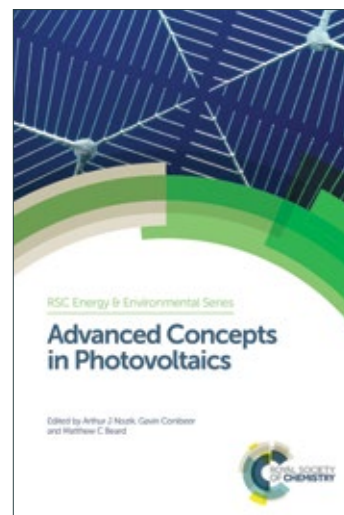
Stuart J C Irvine Glyndwr University, UK

Hardback | 304 pages | 9781849731874 | 2014 | £175.00 | \$290.00

Photoelectrochemical Water Splitting: Materials, Processes and Architectures

Hans-Joachim Lewerenz Helmholtz-Zentrum Berlin, Germany | **Laurie Peter** University of Bath, UK

Hardback | 496 pages | 9781849736473 | 2013 | £139.99 | \$230.00



Advanced Concepts in Photovoltaics
Hardback | 368 pages
9781849735919 | 2014
£175.00 | \$290.00

RSC Green Chemistry

Editor-in-Chief: James Clark University of York, UK

Series Editors: George Kraus Iowa State University, USA |
Andrzej Stankiewicz Delft University of Technology, the Netherlands | **Peter Seidl** Federal University of Rio de Janeiro, Brazil | **Yuan Kou** Peking University, China

Covering a range of topics, this series features high-level research books looking to reduce the impact of chemical processes and products on the environment.

<http://rsc.li/green-chemistry>

Highlights from the series

Renewable Resources for Biorefineries

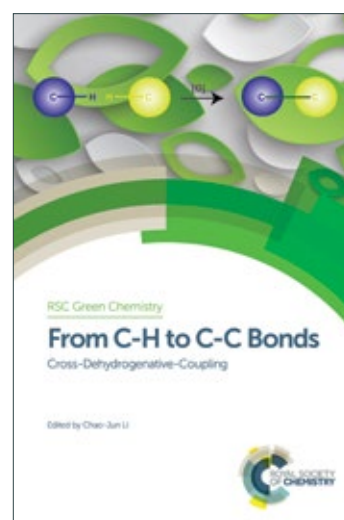
Carol Lin City University of Hong Kong, China | **Rafael Luque** University of Cordoba, Spain

Hardback | 216 pages | 9781849738989 | 2014 | £120.00 | \$200.00

Green Materials from Plant Oils

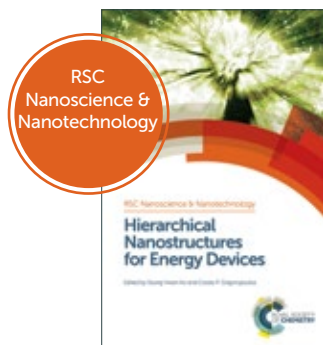
Zengshe Liu Nanjing University, China | **George Kraus** Iowa State University, USA

Hardback | 323 pages | 9781849739016 | 2014 | £145.00 | \$240.00



From C-H to C-C Bonds
Hardback | 316 pages
9781849737975 | 2014
£145.00 | \$240.00

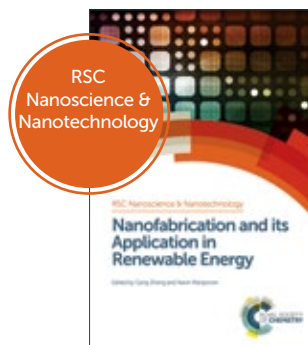
Professional Reference titles



Hierarchical Nanostructures for Energy Devices

Seung H Ko and Costas P Grigoropoulos

Hardback | 308 pages
9781849736282 | 2014
£165.00 | \$270.00



Nanofabrication and its Application in Renewable Energy

Gang Zhang and Navin Manjooran

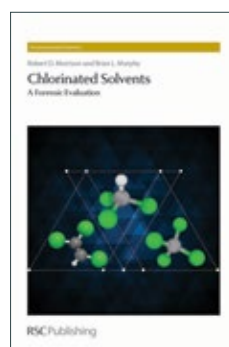
Hardback | 225 pages
9781849736404 | 2014
£145.00 | \$240.00



Biodiesel

Production and Properties
Amit Sarin

Hardback | 280 pages
9781849734707 | 2012
£144.99 | \$232.00



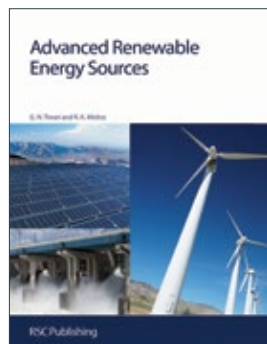
Chlorinated Solvents

A Forensic Evaluation

Robert D Morrison and Brian Murphy

Hardback | 592 pages
9781849731966 | 2013
£159.99 | \$260.00

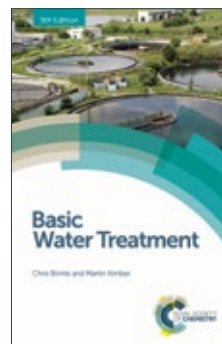
Textbooks and course materials



Advanced Renewable Energy Sources

Gopal Nath Tiwari and Rajeev Kumar Mishra

Paperback | 562 pages
9781849733809 | 2012
£36.99 | \$59.00



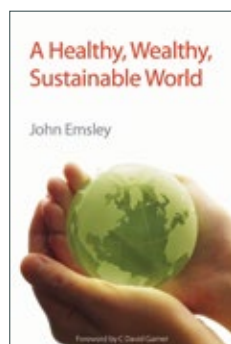
Basic Water Treatment

5th Edition

Chris Binnie and Martin Kimbe

Paperback | 280 pages
9781849739740 | 2013
£40.00 | \$64.00

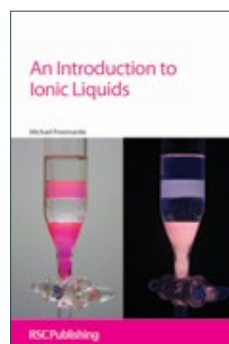
Also of interest...



A Healthy, Wealthy, Sustainable World

John Emsley

Hardback | 222 pages
9781847558626 | 2010
£18.99 | \$30.00



An Introduction to Ionic Liquids

Michael Freemantle

Hardback | 281 pages
9781847551610 | 2009
£39.95 | \$64.00

Ordering contacts - www.rsc.org/books

Book Sales contact:

Tel: 01223 420066

Fax: 01223 420247

For sales queries or further information on our books publishing programme please contact booksales@rsc.org

Customers in USA or Canada should order from our distributor:

Ingram Publisher Services
Customer Service, Box 631
14 Ingram Blvd
La Vergne
TN 37086
USA

Tel: +1 (866) 400 5351

Fax: +1 (800) 838 1149

Email: ips@ingramcontent.com

Customer service hours of operation:
Monday-Friday, 8.00am-5.00pm CST

The Royal Society of Chemistry's Assigned Toll Free Number:
+1 (888) 790 0428

All other customers should send their orders to:

Marston Book Services Ltd
160 Eastern Avenue
Milton Park
Abingdon
Oxfordshire
OX14 4SB

Tel: +44 (0)1235 465577

Fax: +44 (0)1235 465556

Email orders: direct.orders@marston.co.uk

Email enquiries: direct.enquiries@marston.co.uk

Royal Society of Chemistry
www.rsc.org

Registered charity number: 207890
© Royal Society of Chemistry 2014

Thomas Graham House
Science Park, Milton Road
Cambridge, CB4 0WF, UK

T +44 (0)1223 420066

Burlington House
Piccadilly, London
W1J 0BA, UK

T +44 (0)20 7437 8656

International Offices
São Paulo, Brazil
Beijing, China
Shanghai, China
Berlin, Germany

Bangalore, India
Tokyo, Japan
Philadelphia, USA
Washington, USA