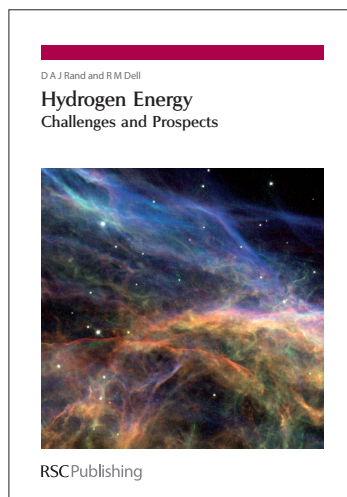


Hydrogen Energy

Challenges and Prospects



Authors: D A J Rand & R M Dell

Publication date: 2008

Publisher: RSC Publishing

Series: RSC Energy Series

Format: Hardback

Size: Metric Royal 234 x 156mm

Pages: ca xxxviii+300

Illustrations: 90

ISBN: 9780854045976

Price: £45.00

Target audience: Undergraduate,
Postgraduate, Professional

Synopsis

With no emissions other than water and the capability of production from a variety of primary sources, hydrogen has been heralded as the sustainable fuel of the future. The factors involved in such a transition and the likelihood of success are examined in **Hydrogen Energy**, a new book from the authors of **Clean Energy** (ISBN: 9780854045464 | Price: £89.95 | Series: RSC Clean Technology Monographs).

Starting with a discussion of the drivers for hydrogen, subsequent sections consider the technical challenges that face the global introduction of this alternative energy supply. Key issues include the manufacture of hydrogen from natural gas and coal, the options for sequestering carbon dioxide, alternative sources of hydrogen such as water via electrolysis, methods of hydrogen distribution and storage, and fuel cells and their applications. Finishing with a look to the future, the book discusses the prospects of hydrogen as a new energy carrier and fuel.

Hydrogen Energy is written by leading experts and will appeal to a wide audience drawn from students and researchers in the field, energy professionals, Government agencies, financiers, industrialists and the general public.

Hydrogen Energy is the first book to be published in the new **RSC Energy Book Series**.

The **RSC Energy Book Series** includes books that will examine topics surrounding the reduction of carbon emissions from existing fossil-fuel systems and alternative energy sources. Long-term energy solutions will require a diverse mix of energy systems as well as the development of efficient technologies to reduce energy demand. Each book will focus on issues such as the various forms of renewable energy available, the environmental validity of sustainable systems and improved energy generation driven by the chemical sciences.

For more information please contact:

Book Sales and Marketing | Royal Society of Chemistry
Thomas Graham House | Science Park | Milton Road
Cambridge | CB4 0WF | UK
T +44 (0) 1223 432360 | F +44 (0) 1223 426017
E sales@rsc.org | www.rsc.org | www.chemsoc.org

All information is subject to change without notice

RSC PUBLICATIONS ORDER FORM

I wish to place the following book order:

Title	ISBN	Number of copies	Price	Total price
Hydrogen Energy: Challenges and Prospects	9780854045976			
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Sub total

Postage

† Membership number _____

Please add the postage and handling charge of £3.50 per item ordered, up to a maximum postage and handling charge of £14.00 per order. Excludes subscription orders. For bulk orders please contact sales@rscdistribution.org

Total amount payable

PAYMENT DETAILS

Method of payment

- I enclose a cheque made payable to Royal Society of Chemistry
All cheque payments should be in £ sterling drawn on a UK bank, or \$ US drawn on a US bank
- Please send me a pre-payment invoice
- Please charge my Visa/Mastercard/AmEx
Credit cards may be used for orders up to £2000

Account No. _____
Signature _____
Expiry date _____

Cardholder's/invoice* address:

Name _____
Position _____
Organisation _____
Address _____

Post/zip code _____
Email _____

Delivery address (if different):

Name _____
Position _____
Organisation _____
Address _____

Post/zip code _____
Email _____

* Please delete as applicable

VAT

In certain circumstances we may be obliged to charge Value Added Tax (VAT) on sales to other EU member countries. To avoid this, it is therefore essential to provide us with your VAT number if you have one.

I am not registered for VAT My VAT No. is _____

Date _____ Signature _____

POSTAGE

Please add the postage and handling charge of £3.50 per item ordered, up to a maximum postage and handling charge of £14.00 per order. Excludes subscription orders. For bulk orders please contact sales@rscdistribution.org

PLEASE COMPLETE AND RETURN TO:

RSC Distribution Services

c/o Portland Customer Services | Commerce Way
Colchester | CO2 8HP | UK
Tel: +44 (0) 1206 226050 | Fax: +44 (0) 1206 226055
Email: sales@rscdistribution.org | Web: www.rsc.org

RSC MEMBERS†

RSC members ordering for their own personal use are entitled to a discount on most RSC publications. Please enter your membership number to receive a discount.

DATA PROTECTION

The RSC will store the information you supply on its electronic records in order that information about its activities, products and services may be sent to you by mail, telephone, email or fax.

If you **DO NOT** wish to receive information, please put a tick in the box

Registered Charity Number 207890

RSC Publishing