Materials Challenges
Inorganic Photovoltaic Solar Energy

RSC Energy and Environment Series

Series Editors:
Laurence Peter, *University of Bath, UK*
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, Hong Kong*

Titles in the Series:
1: Thermochemical Conversion of Biomass to Liquid Fuels and Chemicals
2: Innovations in Fuel Cell Technologies
3: Energy Crops
4: Chemical and Biochemical Catalysis for Next Generation Biofuels
5: Molecular Solar Fuels
6: Catalysts for Alcohol-Fuelled Direct Oxidation Fuel Cells
7: Solid Oxide Fuel Cells: From Materials to System Modeling
8: Solar Energy Conversion: Dynamics of Interfacial Electron and Excitation Transfer
9: Photoelectrochemical Water Splitting: Materials, Processes and Architectures
10: Biological Conversion of Biomass for Fuels and Chemicals: Explorations from Natural Utilization Systems
11: Advanced Concepts in Photovoltaics
12: Materials Challenges: Inorganic Photovoltaic Solar Energy

How to obtain future titles on publication:
A standing order plan is available for this series. A standing order will bring delivery of each new volume immediately on publication.

For further information please contact:
Book Sales Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, CB4 0WF, UK
Telephone: +44 (0)1223 420066, Fax: +44 (0)1223 420247
Email: booksales@rsc.org
Visit our website at www.rsc.org/books

Materials Challenges

Inorganic Photovoltaic Solar Energy

Edited by

Stuart J C Irvine
Centre for Solar Energy Research, OpTIC Centre, Glyndwr University, St Asaph, UK
Email: s.irvine@glyndwr.ac.uk

RSC Energy and Environment Series No. 12

Print ISBN: 978-1-84973-187-4
PDF eISBN: 978-1-84973-346-5
ISSN: 2044-0774

A catalogue record for this book is available from the British Library

Published by The Royal Society of Chemistry,
Thomas Graham House, Science Park, Milton Road,
Cambridge CB4 0WF, UK

Registered Charity Number 207890

For further information see our web site at www.rsc.org