



materials



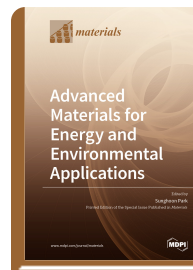
Special Issue Reprint

Advanced Materials for Energy and Environmental Applications

www.mdpi.com/books/reprint/2903

Edited by
Sunghoon Park

ISBN 978-3-03943-072-7 (Hardback)
ISBN 978-3-03943-073-4 (PDF)



Advanced materials for energy and environmental applications (such as rapid heating, anti-fouling/anti-virus surface, chemical sensor, textile/stretchable sensor, fuel cell, and lithium-ion batteries) have been extensively investigated in the academic and industrial fields. The advent of carbon-based nano-materials (carbon nanotubes, graphene, and carbon black) and inorganic nano-materials (Ag wire/particles, Cu mesh, and transition metal dichalcogenide) has accelerated research interest in energy and environmental applications. This book is focused on the emerging concept and improvement of energy and environmental basic research, as well as in the characterization and analysis of novel energy and environmental base materials. The contents of the book are as below: - Theoretical and experimental studies on advanced conducting nanocomposites; - Electrical properties of nanocomposites under various conditions (dynamic mode, aspect ratio, alignment, and contents) and its applications; - Advanced material for energy applications; - Analysis and materials for environmental applications.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/2903

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.