



nanomaterials

IMPACT
FACTOR
4.4

Indexed in:
PubMed

CITESCORE
8.5

Special Issue Reprint

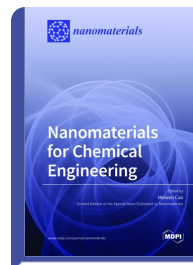
Nanomaterials for Chemical Engineering

www.mdpi.com/books/reprint/7264

Edited by
Meiwen Cao

ISBN 978-3-0365-7537-7 (Hardback)

ISBN 978-3-0365-7536-0 (PDF)



Scientists and engineers have emphasized the study of nanomaterials in recent decades. By having superior properties, nanomaterials are helping to greatly improve and even revolutionize the development of various technology and industry sectors. Despite many advantages, there are challenges present in the control and design of nanomaterials with specific properties (e.g., morphology, size, porosity, conductivity, optical property, photoelectric property, chemical activity, etc.) to meet with their functional aims. The main applications of nanomaterials in the chemical engineering area are catalyst, coating, adsorption, sensor, drug delivery, etc., which all have fascinating yet challenging research topics.

This reprint collects original research papers and comprehensive review papers that cover the topics of development of novel nanomaterials and synthesis methods, experimental characterization and computational modelling studies, as well as exploitation in devices and practical applications, hoping to bring new insights into the chemical engineering area.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/7264

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.