



*electronics*



*Special Issue Reprint*

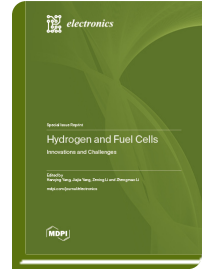
## Hydrogen and Fuel Cells: Innovations and Challenges

[www.mdpi.com/books/reprint/10530](http://www.mdpi.com/books/reprint/10530)

Edited by  
Hanqing Yang  
Jiajia Yang  
Zening Li  
Zhengmao Li

ISBN 978-3-7258-3190-6 (Hardback)

ISBN 978-3-7258-3189-0 (PDF)



As a green and renewable energy source, hydrogen is considered one of the most important directions for future energy development, which has flourished globally in recent years and has broad market prospects. The large-scale utilization of renewable energy for hydrogen production cuts the cost of obtaining hydrogen. Furthermore, the continuous improvement of fuel cell technology and hydrogen storage technology strengthens the integration of hydrogen energy with smart grids and vehicles to reduce holistic carbon emissions and promote sustainable development. Conventional renewable energies, though with numerous merits, also have challenges associated with global hydrogen utilization, especially with the technologies of relevant hydrogen devices, such as fuel cells and electrolyzers.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/10530](http://www.mdpi.com/books/reprint/10530)

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.