

## Special Issue

# Semiconductor Nanomaterials for Energy Conversion and Environmental Applications

### Message from the Guest Editors

Driven by the rapid development of human civilization and technology, energy and environmental issues have increasingly attracted attention worldwide. In particular, the design of novel materials with good application performances in energy conversion and environmental remediation is a cutting-edge research topic. Semiconductor nanomaterials are a promising candidate due to their unique crystal and electronic structures, controlled composition and morphology, tuneable optical, electronic, and magnetic properties, etc. Therefore, this Special Issue, "Semiconductor Nanomaterials for Energy Conversion and Environmental Applications", will cover the latest developments in semiconductor nanomaterials. We warmly welcome you to submit to the current special issue.

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### Guest Editors

Dr. Tong Cai

Dr. Zhen Xiao

Dr. Zhenghong Dai

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### Deadline for manuscript submissions

closed (22 December 2022)



## Crystals

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*Crystals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[crystals@mdpi.com](mailto:crystals@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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### Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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