Special Issue

Development of Advanced Materials for Energy Conversion

Message from the Guest Editors

This Special Issue focuses on groundbreaking research and technological advancements in the field of energy materials. This emerging discipline covers the design, fabrication, characterization, and application of novel materials that can efficiently convert and store energy. Whether it's improving solar cells, creating better batteries, or innovating fuel cell technology, this Special Issue aims to highlight the fundamental research that enhances the performance and sustainability of energy conversion systems. By bringing together experts from various scientific backgrounds, this Special Issue aims to foster collaboration and drive innovation, contributing to a cleaner and more energy-efficient future. The exploration of new materials and techniques in this field is not only critical for addressing the global energy crisis but also has potential implications in various industrial applications. It is our pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editors

Dr. Yiyu Zeng
School of Photovoltaic and Renewable Energy Engineering, University of New South Wales, Sydney, NSW 2052, Australia

Dr. Hui Song
TJU-NIMS International Collaboration Laboratory, School of Material Science and Engineering, Tianjin University, Tianjin, China

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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