Special Issue

Design of Advanced Materials for Energy Conversion and Storage Applications

Message from the Guest Editors

This Special Issue on the "Design of Functional Materials for Energy Conversion and Storage Applications" aims to assess the current state of the art and to identify future directions in research, design, and applications of functional energy materials. We invite authors to submit original research articles, review articles, and significant preliminary communications covering (but not limited to) the following topics and scopes:

- Functional materials for fuel cells and electrochemical cells;
- Battery materials and supercapacitors;
- Thermoelectric materials;
- Solar energy and materials;
- Bioenergy and materials;
- Hydrogen energy production technologies;
- Electrocatalyst and electrochemical reactions;
- Carbon nanomaterials and energy applications;
- Nanomaterials and nanostructures for energy applications;
- 2D materials for energy conversion and storage;
- Polymer membranes for energy applications.

Guest Editors

Dr. Dongkyu Lee

Department of Mechanical Engineering, University of South Carolina, Columbia, SC 29208, USA

Dr. Dahyun Oh

Department of Chemical and Materials Engineering, Charles W. Davidson College of Engineering, San Jose State University, San Jose, CA 95192, USA

Deadline for manuscript submissions

closed (31 January 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/30510

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)