# Special Issue

# Materials Design for Energy Conversion and Storage

### Message from the Guest Editor

With the rapid, worldwide growth in concern regarding renewable energy, the development of high efficiency, low-cost, and environmentally friendly energy conversion and storage systems has become a major challenge. In particular, there is an exceptionally high demand for advanced materials with a novel design and function that can overcome the current limitations of energy devices. Therefore, through this Special Issue, we are seeking impressive works that describe recent advances in micro/nanomaterials in relation to renewable energy storage and conversion processes. We welcome research papers, communications, and reviews from a broad range of topics related to micro/nanomaterials aiming at future energy resources, low-emission energy conversion, energy storage, energy efficiency, and many other related applications. High-quality manuscripts will be published in the Special Issue after rigorous peer-review. We will work hard towards the rapid and wide dissemination of your valuable research results, recent developments, and novel applications in the area of materials, and renewable energy storage and conversion. Keywords

- energy storage
- energy conversion
- nanotechnology

### Guest Editor

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### Deadline for manuscript submissions

closed (31 May 2021)

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## About the Journal

### 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

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