Special Issue

Advanced Functional Materials for Energy Harvesting and Storage Applications

Message from the Guest Editors

This Special Issue is dedicated to exploring cutting-edge advancements in functional materials designed for energy harvesting and storage applications. Encompassing a broad spectrum of research, the aim is to present innovative approaches and breakthroughs in the development of materials that play a pivotal role in enhancing the efficiency and performance of energy harvesting and storage systems. Contributions covering a diverse range of materials, from nanomaterials to advanced composites, and their applications in renewable energy technologies are encouraged. The scope of this Special Issue extends to the synthesis, characterization, and application of these materials, fostering a deeper understanding of their potential impact on the sustainable energy landscape. Researchers and practitioners are invited to share their insights, paving the way for the next generation of materials poised to revolutionize energy harvesting and storage technologies.

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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.

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