

Special Issue

Advanced Micro/Nanomaterials for Electronic Packaging and Energy Storage

Message from the Guest Editors

This Special Issue, 'Advanced Micro/Nanomaterials for Electronic Packaging and Energy Storage', aims to gather cutting-edge research that addresses the growing demand for high-performance, reliable, and energy-efficient systems. We welcome contributions that explore novel material design, interface engineering, thermal and electrical management, mechanical reliability, and multifunctional integration at micro/nano dimensions. Studies in the following areas are particularly encouraged:

- Advanced interconnects;
- Packaging materials;
- Flexible and stretchable electronics;
- Next-generation energy storage and conversion;
- Micro-/nano-electrode materials;
- Nanocomposites for supercapacitors.

By highlighting fundamental mechanisms, innovative fabrication strategies, and application-driven demonstrations, this Special Issue seeks to provide a comprehensive platform for researchers developing next-generation materials solutions that enable more compact, sustainable, and robust electronic and energy devices. Potential authors should aim to present impactful advances that bridge material innovation with practical engineering needs.

Guest Editors

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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.

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