

Special Issue

Synthesis, Experimental Characterization and Modeling of Advanced Materials

Message from the Guest Editor

With the advancement of industrial productivity and the development of artificial intelligence, the importance of advanced materials has become increasingly prominent. They are not only catalysts for technological progress but also significant forces driving social development. From the cutting-edge aerospace industry and chip industry to everyday items that are closely related to our lives, advanced materials play an irreplaceable role.

- Design and preparation of advanced structural materials and functional materials.
- Design and preparation of micro-/nanomaterials.
- Advanced characterization techniques for material structures and properties.
- Numerical simulation of material structures and properties, especially to understand the microstructure–property relationship.

Guest Editor

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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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