Special Issue

Advanced Multifunctional and Multiscale Materials

Message from the Guest Editors

Technological advances increasingly require ligthweight materials with multiple funcitonalities that make them respond or adapt to specific internal or external stimuli. Such functionalities either derive from intrinsic properties of the materials themselves or can be delivered through a multiscale and multi-physics material design approach. The latter can be achieved through the manipulation of a material properties, for example, by embedding nanomaterials or by conceiving the material as a self-responding multi-scale system. The scope of this Special issue is to collect high-quality manuscripts that present advances in this emerging field, including novel individual nano-scale elements of a complex material system. Full papers, communications, as well as reviews will be considered for publication.

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Deadline for manuscript submissions

closed (20 August 2022)

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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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