Special Issue

Multifunctional Organic-Inorganic Hybrid Materials for Therapy, Diagnosis and Regenerative Medicine

Message from the Guest Editors

Innovative multifunctional hybrid materials, merging organic and inorganic components, have proven their high potential in the biomedical field, although the realization of applicable materials and devices still represents a significant technological challenge. This Special Issue aims at highlighting the main progresses in the design, fabrication, and advanced characterizations of such hybrid materials, sheding light on their extraordinary properties and reviewing various proofs of concept and application achievements in the fields of therapy, diagnosis, and regenerative medicine. Special consideration will be given to multifunctional hybrid materials, including those with a stimuli-responsive tailoring, to fight cancer, neurodegeneration, osteoarticular diseases, and bacterial and viral infections. Likewise, significant attention will be paid to assessing accomplishments in the area of bioelectronic and wearable devices, with a special focus on diagnostic and theranostic applications.

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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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