Special Issue

New Applications of 3D Architectured Materials

Message from the Guest Editors

This Special Issue will serve as a forum for papers (articles, reviews, etc.) regarding innovative approaches that can be used to transform materials by means of physical, chemical, thermal or mechanical processes, providing different and innovative properties caused by material modification or functionalization. The following points summarize the main goals of this Special Issue:

- Treatments to confer 3D structured materials: mechanical and thermomechanical processes, chemical etching, phase separation, electrodeposition, diffusion processes, etc.
- Characterization of engineered materials such as tribological properties, corrosion resistance, phase morphology, structure, or composition.
- Additive manufacturing or 3D printing (metals, ceramics, polymers, or composites).
- Applications of 3D structured materials: catalysis, superwettability, tribology, adhesion, biocompatibility, etc.

Other topics that are not listed here but could be related to 3D structured materials are also welcomed.

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Deadline for manuscript submissions

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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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