Special Issue

Design and Synthesis of Three-Dimensional Hybrid Organic-Inorganic Structures

Message from the Guest Editor

Research on Hybrid Organic-Inorganic Structures has been developed for the last decade due to the impact of the new structures on technological development of materials for optoelectronics, luminescence sensors, or medicine materials and biopolymers. In this Special Issue, recent developments within the field of 3D organic-inorganic structures and structural characterization will be presented. Submissions will be welcomed across a broad range of material systems, with the special interest on characterization focusing on fabrication development and novel applications. It is my pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications and reviews are all welcome. The topics of interest include, but are not limited to:

- 3D inorganic networks
- MOF structures and char acteristics
- hybrid layers with designed properties for opto-materials
- crystal engineering
- molecular crystals for luminescence
- inorganic structures for personalized medicine
- precursors for 3D structures
- methods of 3D structures fabrications

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2022)

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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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