Special Issue

Green and Unconventional Routes for the Synthesis of Crystalline Inorganic Materials—Selected Papers from AIM 2018

Message from the Guest Editors

Dear colleagues, The huge variety of experimental methodologies for the preparation of inorganic crystalline (nano)materials demonstrates the charms of preparative wet and colloidal chemistry and shows the great power of imagination. Each synthetic approach could, in turn, be optimized to yield shape controlled and nanostructured materials. This Special Issue aims to collect examples of green and/or unconventional methods for the preparation of advanced inorganic materials, with special attention to those approaches with low environmental impact and complying with the twelve principles of Green chemistry. The focuses of this Special Issue include, without being limited to, the following themes: flow or high-throughput methods, biogenic, template, microwave-assisted and solvothermal approaches, syntheses based on deep eutectic/supercritical/ionic liquid solvents, computational-assisted development of syntheses, and design-of-experiment.

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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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