Special Issue

Advanced Properties and Applications of Micro-/Nano-Scale Energetic Materials

Message from the Guest Editors

Micro/nano energetic materials are ultrafine and usually have an average particle size of up to 20 micrometers (they can be as small as a few nanometers). Micro/nano energetic materials have higher combustion and energy release efficiencies and complete combustion and explosion processes due to their small particle size, large specific surface area, high surface energy, and surface activity. Micro and nano technologies have become the key technology and research hotspot for the revolutionary change in energetic materials. The research areas include but are not limited to the following areas: emerging technologies and methods for the preparation of micro/nano energetic materials, characterization technologies for micro/nano energetic materials, numerical simulation of the performance for micro/nano energetic materials, application performance of micro/nano energetic materials, and energy release mechanism of micro/nano energetic materials.

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Message from the Editorial Board

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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