Special Issue

Natural Minerals as Smart Materials for Advanced Technologies

Message from the Guest Editor

Recently, materials with the ability to reversibly change some of their functional or structural properties in response to various kinds of deliberately imposed external stimulus have been classified into the group of so-called smart materials. Natural minerals with unique physicochemical properties can also be reasonably be included in the category of smart materials as a separate group of smart natural minerals. Many naturally occurring minerals are characterized by phenomenal properties. The natural minerals arouse great interest due to the possibility of using their active functional structures in many advanced technological solutions and new-generation devices.

This Special Issue is intended for professionals in different fields of science with a special interest in the investigation of new fascinating phenomena occurring in mineral structures at the micro- and nano-scale, and will cover a wide range of smart natural minerals with unique physicochemical properties.

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/64250

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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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