Special Issue

Layered Crystal Materials: Design, Synthesis and Characterisation

Message from the Guest Editor

Today, chemistry and physics of layered materials constitute an important and rapidly developing area of solid-state and materials science. Of particular interest is the pronounced anisotropy of many physical and even chemical properties which have permitted scientists to achieve outstanding results. The materials obtained by analogy to minerals are widely used in a variety of industrial processes. Various methods of rational design and targeted synthesis of layered materials have been and are being developed. Nonetheless, there are still many unsolved problems to address in chemistry and physics of natural and synthetic layered materials. This Special Issue welcomes contributions on all respects of layered minerals and synthetic compounds. Suggested publications are expected to cover various issues concerning this fascinating group of materials and provide new data on mineralogy, geochemistry (including biogeochemistry), physics, and inorganic chemistry of layered minerals and materials.

Guest Editor

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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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