

Special Issue

Rare Earth Materials: Advances in Synthesis, Studies and Applications

Message from the Guest Editor

The scope of this Special Issue, which is based on the 6th International Conference on RARE EARTH MATERIALS (REMAT 2024), covers different aspects of novel rare earth materials. In particular, the scope includes the development of synthesis methods of rare earth materials and studies of their fundamental optical, electric, catalytic, magnetic, and other physical properties in view of their applications. The topics of the results summarized in the articles might be related to magnetism in rare-earth-metal-containing compounds; rare-earth-metal-driven optical phenomena; rare earth metals in catalytic processes; rare earth compounds in energy generation and storage materials; the recyclability and sustainable use of rare earth materials; novel applications and uses of rare earth materials; and others.

Guest Editor

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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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