Special Issue

Rare Earth-Doped Materials: Fabrication, Characterization and Applications

Message from the Guest Editor

The last 50 years have seen a rapid development in materials doped with rare earth ions. Luminescence from rare earth ions embedded in different matrices exhibits very attractive optical properties across a broad spectral region, owing to their unique electronic configuration. As such, rare earth-doped materials have numerous applications in many areas of research and industry. To date, applications of rare earth-doped materials include rare earth luminescence, phosphorescence, lighting, displays, solid-state laser and amplifier development, waveguiding, optical storage, sensing, and scintillator development. Despite the tremendous success of rare earth-doped materials, there is still an increasing demand for new materials as their practical applications extend to new frontiers. The submission deadline is 20 November 2022. You may send your manuscript at any point from now until the deadline. Submitted papers should not be under consideration for publication elsewhere. For further details on the submission process, please see the Instructions for Authors on the journal's website.

Guest Editor

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Deadline for manuscript submissions

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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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