Special Issue

Lanthanide-Based Multifunctional Materials

Message from the Guest Editor

This Special Issue aims to address both scientists working in the field of lanthanide-based compounds and materials, as well as researchers whose field of interest is mainly multifunctional materials. Multifunctional Materials (MFM) form part of the broader group of Multifunctional Materials Systems (MFMS). This Special Issue will exploit and evidence the importance and immense potential of lanthanide-based compounds in the world of MFMs. Many scientists working in the field of lanthanide chemistry and lanthanide-based materials science might not even be aware that actual multi-functional materials have been synthesized in their research group in the past. Reasons for this lie in the unique and cross-disciplinary properties of the lanthanide elements. The same lanthanide ion may not only be used to form highly porous molecular frameworks, the same framework material might also exhibit unique magnetic or fluorescence properties. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2021)

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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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