Special Issue

Study on Rare Earth Doped Luminescent Materials and Transparent Ceramics

Message from the Guest Editors

Transparent ceramic materials have very similar physical and chemical properties to their single crystalline counterparts, are feasible for large-sized and profiled shape fabrication, and are cost effective. During the past several decades, the optical quality, fabrication cost, and application of transparent ceramic materials have all advanced greatly. The practical application of transparent ceramic materials is developing, with use in ceramic phosphor and scintillators, etc. To summarize the achievements to date and also promote future work in this community, Materials is organizing a Special Issue titled “Transparent Ceramic Materials for Various Optical Applications”.

As the guest editor of this Special Issue, I am inviting you to contribute your work on transparent ceramic materials, which may include (but is not limited to) the following topics: fields of lasers, optical switches, scintillators, IR windows/domes, transparent armors, Faraday materials, and ceramic phosphor.

Your submission is highly appreciated and would be valuable to this Special Issue.

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Deadline for manuscript submissions

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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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