

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.

Guest Editors

Dr. Hui Lin

Engineering Research Center of Optical Instrument and System, Ministry of Education, Shanghai Key Lab of Modern Optical System, University of Shanghai for Science and Technology, No. 516 Jungong Road, Shanghai 200093, China

Dr. Jun Wang

Jiangsu Key Laboratory of Advanced Laser Materials and Devices, School of Physics and Electronic Engineering, Jiangsu Normal University, Xuzhou, China

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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About the Journal

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.

Editors-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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