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Study on Rare Earth Doped Luminescent Materials and Transparent Ceramics

Guest Editors:

Dr. Hui Lin
Engineering Research Center of Optical Instrument and System, Ministry of Education and Shanghai Key Lab of Modern Optical System, University of Shanghai for Science and Technology, Shanghai, 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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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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Editor-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

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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𝕏@Materials_Mdpi