

## Special Issue

# Design, Characterization and Applications of Advanced Rare Earth Materials

### Message from the Guest Editors

The rare earth elements play an important role in improving the properties of materials, such as improving the strength, plasticity, toughness, fatigue resistance, high-temperature performance, and corrosion resistance of alloys. Moreover, rare earth elements also can enrich the function of the materials, such as luminescence, magnetism, catalysis, etc. This Special Issue will focus on Design, Characterization, and Applications of Advanced Rare Earth Materials. This Special Issue covers all research and application of 17 rare earth elements, including rare earth alloys, rare earth processing, rare earth luminescence materials, rare earth magnetic materials, rare earth catalysis, rare earth chemistry, rare earth metallography, advanced rare earth new materials, rare earth applications, etc.

We would like to invite you with great pleasure to submit a manuscript for this Special Issue. Full articles, short communications, and review papers are all welcome.

### Guest Editors

Prof. Dr. Guangming Li

School of Chemistry and Materials Science, Heilongjiang University,  
Harbin 150080, China

Dr. Jingfang Li

School of Chemistry and Materials Science, Heilongjiang University,  
Harbin 150080, China

### Deadline for manuscript submissions

closed (10 May 2023)



## Materials

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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## About the Journal

### 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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### 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

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