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Advanced Multifunctional Materials under High Temperature and High Pressure

Guest Editor:

Prof. Dr. Di Yun

School of Nuclear Science and Technology, Xi'an Jiaotong University, Xi'an 710049, China

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Message from the Guest Editor

Dear Colleagues,

Under extreme conditions, such as those of high temperature and high pressure, engineering materials are frequently required to perform multiple functions. Consequently, it is necessary to evaluate the performance of these materials in serving the multi-ended needs and provide mechanistic-level understandings to progressively address the increasingly harsh requirements.

The aim of this Special Issue is to provide a platform for researchers to share their original research outcomes and to contribute to the outstanding collection of reviews and experimental, numerical and technical studies on the performance of multi-functional materials under high temperatures and high pressures.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Nuclear fuels and structural materials under high temperatures and high pressures;
- Performance of containment structural materials under high temperatures and high pressures;
- Conductive materials under extreme engineering conditions;
- Performance of catalytic materials under high temperatures and high pressures.













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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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