Special Issue

Irradiation Damage Research of Advanced Nuclear Structural Materials

Message from the Guest Editor

Nuclear reactors cannot function without excellent structural materials, especially the advanced fourth generation fission and fusion reactor. In recent years, based on the development needs of various advanced reactor types, a series of advanced nuclear structural materials have been developed and a lot of research has been carried out, such as ferritic martensitic steel, austenitic steel, high-temperature nickel-based alloy, tungsten alloy, high-temperature refractory alloy, high-entropy alloy, silicon carbide, carbon-based composites and so on. Structural materials will face huge challenges due to the severe service environment. Please view more details, including submission entrance ("Submit to Special Issue" option on the left side of the website), via the Special Issue website at:
https://www.mdpi.com/journal/materials/special_issues/irradiation_damage

Guest Editor

Dr. Hefei Huang

Department of Materials Research, Shanghai Institute of Applied Physics, Chinese Academy of Sciences, Shanghai 201800, China

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

mdpi.com/journal/materials

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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.

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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