Special Issue

High Temperature Dispersed Particle Radiation Physical Properties and Temperature Measurement

Message from the Guest Editors

This Special Issue aims to promote the progress and development of physical information measurement of high-temperature dispersed particles from the aspects of mechanism research and experimental technology and encourage researchers to publish their original research and innovative discoveries on the optimization calculation method of complex functions or extreme environment measurement technology when obtaining the radiation characteristics and temperature distribution of high temperature dispersed particles. Suitable topics include, but are not limited to, the following:

- Numerical calculation method of high temperature dispersed particle radiation characteristics and temperature measurement;
- Equipment design and experimental technology for online detection of physical properties of dispersed particles in high-temperature environments;
- Research on the identification of multiple types and parameters of high-temperature dispersed particles;
- High temperature dispersed particle spectral analysis and image processing.

Guest Editors

Prof. Dr. Hong Qi

School of Energy Science and Engineering, Harbin Institute of Technology, Harbin 150001, China

Dr. Yatao Ren

Associate Professor, School of Energy Science and Engineering, Harbin Institute of Technology, Harbin 150001, China

Deadline for manuscript submissions

closed (20 July 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/190290

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

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

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.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)