Special Issue

Sintering of Ceramic Materials

Message from the Guest Editors

This Special Issue aims to provide a place where researchers can share their progress regarding the sintering of ceramic materials. Currently, the innovation of new sintering technologies is sought with the use of additives and second reinforcement phases in sintered ceramic matrices, which create vast opportunities for the fabrication of ceramic materials with excellent refractory properties. In this sense, emerging technologies such as spark plasma sintering, selective laser sintering, the use of concentrated solar energy, microwave sintering and conventional ovens are of interest. Likewise, the improvement in the properties of ceramic materials doped with micro- or nanoparticles, which are obtained by sintering using different forms of heating, is also an attractive area of research for this topic. Therefore, this Special Issue seeks to compile articles that present modern, conventional or non-conventional approaches based on innovative technologies for sintering inorganic powders with improved properties, as well as the current state of knowledge on the sintering of ceramic materials.

Guest Editors

Prof. Dr. Luis Felipe Verdeja

Dr. Daniel Fernández-González

Dr. Cristian Gómez-Rodríguez

Deadline for manuscript submissions

closed (20 October 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/198145

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)