

Special Issue

Advances in Dielectric Ceramics

Message from the Guest Editor

Advanced dielectric ceramics are known as high-performance ceramics, fine ceramics, high-tech ceramics, etc., through the use of high-purity, ultra-fine synthetic or selected inorganic compounds as raw materials. Advanced dielectric ceramics have excellent characteristics on mechanics, sound, light, heat, electricity and biology. Advanced ceramics are different from traditional ceramics in terms of raw materials and technology. Their specific fine structure enables them to have a series of advantages, such as high strength, high hardness, wear resistance, corrosion resistance, high temperature resistance, insulation, superconductivity, biocompatibility, etc.; as such, they are widely used in national defense, chemical industry, metallurgy, electronics, machinery, aviation, aerospace, biomedicine, etc. In the future, we expect the development of advanced ceramics to be promoted through the implementation of combined synthesis methods and new processing technologies. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

Prof. Dr. Ru-Yuan Yang

Graduate Institute of Materials Engineering, National Pingtung University of Science and Technology, Pingtung 91201, Taiwan

Deadline for manuscript submissions

closed (10 August 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/85576

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

[mdpi.com/journal/
materials](https://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](https://mdpi.com/journal/materials)



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)