



materials



an Open Access Journal by MDPI

Synthesis and Application of Advanced Optical and Optoelectronic Functional Materials

Guest Editor:

Prof. Dr. Shusheng Pan

School of Physics and Materials
Science, Guangzhou University,
Guangzhou, China

Deadline for manuscript
submissions:

closed (20 November 2023)

Message from the Guest Editor

In recent years, great progress has been made in optical and optoelectronic materials for special applications in next-generation information technology, clean energy, environmental science, biological and medical technology. In particular, there are great demands in light-emitting materials and displays, Si-based optoelectronics, photodetection and imaging, solar energy harvesting, etc. Therefore, this Special Issue is focused on impressive works related to experimental and theoretical advances in luminescence nanomaterials and ceramics, photodetection materials and prototype devices, synthesis of nanomaterials by laser ablation, solar energy utilization, optical control by materials, etc. High-quality manuscripts will be published in the Special Issue after rigorous peer review. We will work hard towards the rapid and wide dissemination of your valuable research results, recent progress, and novel applications in optical and optoelectronic functional materials.



mdpi.com/si/133372

Special issue



an Open Access Journal by MDPI

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

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.

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

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)