



materials



an Open Access Journal by MDPI

Smart Optical Design and Opto-Mechatronics

Guest Editors:

Prof. Dr. Yi Chin Fang

Department of Mechanical and Automation Engineering,
National Kaohsiung University of Science and Technology,
Kaohsiung, Taiwan

Dr. Tsung-Xian Lee

Graduate Institute of Color and Illumination Technology,
National Taiwan University of Science and Technology, Taipei
10607, Taiwan

Dr. Shih-Hsin Ma

Department of Photonics, Feng Chia University, Taichung 407,
Taiwan

Deadline for manuscript submissions:

closed (10 October 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue is seeking submissions related to new or industrially related areas, such as the metaverse, including optics related to VR and AR, light sources from solid state lighting, LED, phosphor, organic light emitting diodes, infrared and UV lasers, optical design testing, integral optical and opto-mechatronics system design, optics and images for remote sensing of air space and ocean, as well as active matrix integration, various automotive applications. Advanced semiconductor physics, semiconductors, application of photonic silicon, materials and technologies for new or improved forms of lighting applied to advanced optical and opto-mechatronics system designs are welcome. Newly developed optical components from UV to infrared related to lighting sources or opto-mechatronics system applications. Most recently the scope has expanded to include contributions from 3D imaging, holography, emerging display technology applications, and immersive art—these too are encouraged. Submissions to the Special Issue are open to all researchers in this field all over the world.



mdpi.com/si/104785

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)