

Special Issue

High-Efficiency Light-Emitting Materials and Devices

Message from the Guest Editor

Down-conversion materials such as garnet phosphors and quantum dots combined with light-emitting-diode (LED) chips have changed the lighting and display industry by facilitating the highly efficient emission of white light. Up-conversion materials, which emit higher-energy visible photons from the excitation of lower-energy infrared photons, have also been widely applied to color displays, in optoelectronics, temperature sensors, biological imaging, and so on. LED devices incorporating organic and hybrid light-emitting materials such as perovskites have attained great achievements and gradually recognized commercialization. The search for new materials is driven by the need for highly energy-efficient materials and devices in many technologies. High-efficiency light-emitting materials and devices are studied in various areas of discovery. It is my pleasure to invite you to submit a manuscript on “High-efficiency light-emitting materials and devices”. Full papers, communications, and reviews are all welcome.

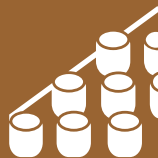
Guest Editor

Dr. Sangmoon Park

Department of Energy and Chemical Engineering, Silla University,
Busan 46958, Korea

Deadline for manuscript submissions

closed (20 September 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/120337

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)