Special Issue

Deep Study of Luminescent Materials: From Fundamental to Applications

Message from the Guest Editor

Phosphors as spectral-converting luminescent materials were invented in the early 17th century. Spectral-converting materials were used due to their down-shift, down-conversion, and up-conversion processes when they were excited by ultraviolet (UV), near-UV, visible or infrared light. As you are already aware, phosphors were initially used in television tubes, fluorescent lamps, and X-ray screens. Currently, new inorganic and organic phosphors, quantum dots, and light-emitting diodes with enhanced optical properties are extensively developed to meet the various needs of upcoming applications. The search for new phosphors can be driven by the expedition for higher energy efficiency in many luminescent technologies. The field of luminescent materials is deeply studied in various areas of discovery. It is my pleasure to invite you to submit a manuscript on the “Deep Study of Luminescent Materials: From Fundament to Applications”. 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 (30 December 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/80249

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)