Special Issue

Optical Materials for Sensing and Bioimaging: Advances and Challenges

Message from the Guest Editor

The rapid progress in the sensing and bioimaging research fields have significantly benefited from the development of responsive fluorescence/luminescence materials. The performance of these sensors with regard to sensitivity, stability, and reliability when applied to the detection of specific analytes is also dominated by the fluorescence/luminescence materials mentioned above. Here, we propose a special issue to highlight "Optical Materials for Sensing and Bioimaging: Advances and Challenges". It is anticipated that this special issue will provide a forum for mutual communication among researchers in the fields of chemistry, materials science, spectroscopy, environmental research and biology. Specifically, the scope includes: Chemistry: organic chemistry, analytical chemistry, inorganic chemistry Material Science: luminescent nanocrystals, organic dyes, organometallics, lanthanide chelates, etc. Spectroscopy: electrochemical luminescence, fluorescence, bioluminescence, luminescence, time-resolved luminescence, etc Applications in Environment and biology: sensing and bioimaging

Guest Editor

Dr. Run Zhang

Australian Institute for Bioengineering and Nanotechnology, University of Queensland, Brisbane 4072, Australia

Deadline for manuscript submissions

closed (31 October 2019)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/14455

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)