Special Issue

Soft Materials and Optical Devices

Message from the Guest Editor

Dear colleagues, A lot of soft materials and their devices have been at the center of intense scientific and engineering research for many years because of the fundamental success of molecular engineering in creating a new class of materials with appropriate physical and optical properties and easily controllable by surface treatment or geometrical modulation. Soft materials offer far greater design flexibility and processing simplicity. A significant advantage of macromolecular systems concerns the ability to combine various functional groups and fragments and the ability of polymers to form stable films, fibers, and coatings that can be readily applied onto various substrates by simple methods such as spin coating, dipping, lamination, etc. Additionally, actuators and optical devices that use soft materials to perform programmed motions or implement transformations according to external stimuli have been reported. This collection will provide a platform for interdisciplinary researches of theories, simulations, and applications of soft matter and electro-optical devices based on them.

Guest Editor

Prof. Dr. Jun-Hee Na
Chungnam National University, Daejeon 34134, South Korea

Deadline for manuscript submissions

closed (10 May 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/58562

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

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)

MDPI