Special Issue

High-Performance Polymeric Materials: Current Advances and Future Perspectives

Message from the Guest Editor

Though the polymer industry has been incredibly successful in terms of implementation in commodity applications, recent advances in the field mean that it is now time for polymeric materials to enrich our daily lives in new, different ways. This Special Issue, “High-Performance Polymeric Materials: Current Advances and Future Perspectives”, will address advances in materials science from the viewpoints of polymer physics, including polymer blends, alloys, composites, additives, and processing operations. Although most important polymer materials have been already developed, their performance must be further improved by tuning their rheological properties in the molten state as well as structure in the solid state. This Special Issue will include manuscripts focused on various modification techniques using current polymeric materials. Full papers, communications, and reviews are all welcome.

Guest Editor

Prof. Dr. Masayuki Yamaguchi
Japan Advanced Institute of Science and Technology, School of Materials Science, Nomi, Japan

Deadline for manuscript submissions

closed (31 August 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/102659

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)