Special Issue

New Horizon of Plasmonics and Metamaterials

Message from the Guest Editors

Plasmonics and metamaterials are growing fields that consistently produce new technologies for controlling electromagnetic waves. Many important results in both fundamental science and applications are being addressed for a wide range of materials, structures, and wavelengths from the ultraviolet to the microwave. For instance, these fields have recently expanded to tackle research on graphene and other 2D materials, flat photonics, thermal control, and mechanical structures. This Special Issue aims to introduce recent advances in plasmonics and metamaterials, as well as their applications, for a wide range of topics in order to explore the new horizon emerging for these fields. We hope that this Special Issue will inspire researchers to break new ground. Keywords

- plasmonics
- metamaterials
- metasurfaces
- thermal control
- applications

Guest Editors

Dr. Masafumi Kimata

College of Science and Engineering, Ritsumeikan University, 1-1-1 Noji-higashi, Kusatsu, Shiga 525-8577, Japan

Dr. Shinpei Ogawa

Mitsubishi Electric Corporation, Hyogo 661-0972, Japan

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/11411

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)