Special Issue

Photoactive Materials: Synthesis, Applications and Technology (Second Volume)

Message from the Guest Editor

Photoactive materials are materials that interact with the light electromagnetic field and modify either their own properties or those of the field. This Special Issue of MDPI *Materials* aims at collecting a broad range of original research articles on the topics of light–matter interaction and new photoactive materials and structures. This Special Issue is open to all contributors in the field of material science, as well as engineering and applications.

- Nonlinear optical material (Kerr, two-photon absorption, saturable absorber);
- Photorefractive materials (crystal, polymer, hybrid);
- Photochromic materials (glass, azo-dye, chromophore);
- Spectral and orientational hole-burning;
- Plasmonic and photonics material and structures (optical nano-antenna, active nanoparticles)
- 2D material for optics (graphene, RGO, MoS2, WS2);
- Metamaterials (negative index, gradient index, optical cloaking);
- Magneto-optics material (high Verdet constant, optical isolator).

Guest Editor

Prof. Dr. Pierre-Alexandre Blanche
College of Optical Sciences, University of Arizona, 1630 E. University Blvd., Tucson, AZ 85721, USA

Deadline for manuscript submissions

closed (31 December 2022)

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

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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

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