

Special Issue

Advances in Materials for Organic Optoelectronics and Photonics

Message from the Guest Editor

Low and high molecular weight compounds with spatially extended p-p or p-n-p bonding systems have great potential for applications in modern fields of science and technology, such as organic optoelectronics and organic photonics, which have seen intense development in recent years. Although remarkable progress has been made and some technologies have grown from a research laboratory concept to commercial applications there is still room for improvement of device parameters including efficiency, lifetime, and cost-effectiveness. A key issue in the development of organic optoelectronics and photonics is organic material and device architecture.

The aim of this Special Issue, entitled "*Advances in Materials for Organic Optoelectronics and Photonics*" is to address current challenges associated with design, synthesis, and characterization of new functional materials aiming at their utilization in optoelectronic and photonic devices. Keywords

- organic semiconductors
- hole-transporting compounds
- low and high molecular weight compounds
- azopolymers
- photoinduced anisotropy
- organic light emitting diodes
- photovoltaic cells
- organic field-effect transistors

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2020)



Materials

an Open Access Journal
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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



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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.

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