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

Prof. Dr. Ewa Schab-Balcerzak

1. Institute of Chemistry, University of Silesia, 40-007 Katowice, Poland
2. Centre of Polymer and Carbon Materials, Polish Academy of Sciences, 34 M. Curie-Skłodowska Str., 41-819 Zabrze, Poland

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

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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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