



materials



an Open Access Journal by MDPI

Photodetectors: Research Progress, Structure and Materials

Guest Editor:

Dr. Xun Yang

Diamond Optoelectronic
Materials and Devices Group,
Zhengzhou University,
Zhengzhou, China

Deadline for manuscript
submissions:

closed (20 October 2023)

Message from the Guest Editor

Dear Colleagues,

Photodetectors, which convert optical signals into electrical signals, have attracted notable research interest, due to their great potential for applications in information technology. Great efforts have been made to develop high-performance and functional photodetectors. Moreover, to meet the requirements of practical applications, various materials, device structures, physical effects, and micro/nano structures have been widely applied. This Special Issue, entitled Photodetectors: Research Progress, Structure and Materials, aims to cover the most recent advances in the design, materials, characterization, modeling, simulation, functions, and applications of photodetectors. Therefore, we invite you to submit manuscripts for this Special Issue. Full papers, communications, and reviews are all welcome.

Dr. Xun Yang
Guest Editor



mdpi.com/si/158382

Special issue



an Open Access Journal by MDPI

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

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.

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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)