Special Issue

Photodetector Materials and Optoelectronic Devices

Message from the Guest Editors

Optoelectronic devices are special types of semiconductor devices that are able to convert light energy into electrical energy, or electrical energy into light energy. This Special Issue aims to collect research articles concerning this topic to show the advantages of low-dimensional nanostructures in photodetector and optoelectronic devices. Topics include, but are not limited to, the following:

- Ultraviolet photodetecting technology and its application;
- Visible-light photodetecting technology and its application;
- Infrared photodetecting technology and its application;
- Terahertz photodetecting technology and its application;
- Weak-light photodetecting technology and its application;
- Polarization photodetecting technology and its application;
- Broadband and narrowband photodetecting technology and its application;
- High-speed imaging applications;
- High-sensitivity X-ray detector;
- High-performance LED technology;
- High-efficiency solar cell applications;
- Design and optimization of optoelectronic materials, etc.

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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