

Special Issue

Trends and Perspectives in Photodetectors

Message from the Guest Editors

Photodetectors, which can convert incident light signals into electrical signals, are considered essential components in a variety of applications, from imaging sensors and memory to environmental detection, military surveillance, and remote temperature monitoring. We are pleased to invite you to contribute articles to illustrate the hotspots and trends in the field of photodetectors, and to point out the development direction of photodetectors. In this Special Issue, original research articles, reviews, short communications and letters are welcome. Research areas may include, but are not limited to, the following:

- Functional nanomaterials for the fabrication of photodetectors
- Novel materials for photoelectrochemical sensors
- Mechanisms and applications of the wearable photodetectors
- Simulation and computation for photodetector materials
- Photodiodes, photoconductors, and phototransistors, etc.
- New photoconductance effect analysis for neuromorphic computing, data storage, and memory logic hardware applications

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2023)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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