

Special Issue

Advances in Optoelectronic Devices: Materials, Designs and Applications

Message from the Guest Editors

With the progress of nano-fabrication, nano-optics, and the discovery of new materials, significant research is being conducted on the development of next-generation optoelectronic devices that can be applied in diverse fields, including energy, IoT sensors, biomedical devices, and novel silicon photonics. This Special Issue focuses on the topic of emerging optical devices, such as photodetectors, solar cells, light-emitting devices, and silicon photonics, which include modulators, waveguides, and metasurface elements. In particular, we focus on the progress of the aforementioned devices promoted by cooperatively designing them with emerging new materials such as colloidal quantum dots and novel optical phenomena such as surface plasmonics and Mie-tronics.

Guest Editors

Dr. Soo Jin Kim

Prof. Dr. Sheng-Joue Young

Prof. Dr. Liang-Wen Ji

Deadline for manuscript submissions

closed (15 January 2024)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.3



mdpi.com/si/141392

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

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.3



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



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

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Control and Systems Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2024).