

Special Issue

Advances in Si-Based Semiconductor Materials, Devices and Their Optoelectronic Application

Message from the Guest Editors

This Special Issue aims to cover various aspects of the recent advances in Si-based materials, semiconductor devices and their optoelectronic application, including but not limited to:

- Material design and property
- Material growth and characterization
- Advanced substrate design and development
- Electronic device design and simulation
- Photonic device design and simulation
- Device fabrication and characterization
- Computational optical imaging
- Photoacoustic spectroscopy
- Monolithic optoelectronic integrated chip

Guest Editors

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Deadline for manuscript submissions

closed (28 February 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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).