

Special Issue

Trends and Challenges in Integrated Photonics

Message from the Guest Editor

Integrated photonics is at the forefront of revolutionizing modern information and communication technologies, enabling unprecedented advances in data transmission, signal processing, and sensing. As the demand for higher bandwidth, lower power consumption, and greater integration continues to grow, integrated photonic technologies are becoming essential for applications ranging from telecommunications and data centers to biomedical diagnostics and quantum computing. This Special Issue, "Trends and Challenges in Integrated Photonics", aims to bring together cutting-edge research and innovative developments in the field of integrated photonics. We invite original research articles, reviews, and case studies that address the latest challenges and breakthroughs in the design, fabrication, and application of integrated photonic devices and systems. We are particularly interested in contributions that explore novel materials, device architectures, integration techniques, and emerging applications that push the boundaries of what is possible with photonic integration.

Guest Editor

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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.

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