

Special Issue

Quantum Photonics

Message from the Guest Editor

This Special Issue is devoted to publishing cutting-edge research progress bridging advancements of quantum science and developments of nanophotonic technology. The scope of the issue is international and broad and falls within materials science, photonic engineering, quantum optics, and telecommunication categories. The journal recognizes the complexity of issues and therefore particularly welcomes innovative interdisciplinary research with a wide impact. The readership of the journal includes both researchers and engineers from academia and industry. The topic of the issue focuses on the design and fabrication of novel photonic structures in various crystal and 2D semiconductors, photophysics, and device study of emergent optical-active emitters toward enhanced light-matter interactions and advanced optoelectronic applications, charge carrier spin dynamics, and quantum control of single and ensemble qubits, including but not limited to quantum emitters in crystals, semiconductor nanostructures, 2D semiconductors, and halide perovskite materials. All types of contributions, i.e., research papers, reviews, and communications, are welcome.

Guest Editor

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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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