



Quantum Photonics

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

