Special Issue

Advances in Photonic Materials and Technologies

Message from the Guest Editors

Photonic materials and technologies serve crucial roles in information processing, chemical sensors, biological imaging, light-emitting devices, and optical memory, among other essential applications. They cover a wide range of materials and material technologies, such as wide band-gap semiconductors, materials for magnetic data storage, diamond materials for extra-bright display screens, nanomaterials for next-generation displays, semiconductor laser materials, and so on. This Special Issue will collect both reviews and original research papers that explore advances in photonic materials and photonic/optical systems. Topics of interest include but are not limited to the following areas: Photonic materials; nonlinear optics; photonic devices; photonic sensors; nanophotonics; biophotonics; upconversion materials; quantum dots; nano-diamond; fluorescence microscopy; super-resolution microscopy; computational imaging; single-pixel imaging; plasmonic; polarization imaging; near-infrared imaging; unconventional imaging; lifetime, on-chip imaging.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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