

Special Issue

Advanced Nonlinear Optics in Ultrafast Lasers: From Novel Materials to System Applications

Message from the Guest Editors

We are pleased to announce the launch of this Special Issue entitled “Advanced Nonlinear Optics in Ultrafast Lasers: From Novel Materials to System Applications”. This Special Issue provides a platform for researchers to share recent advances in ultrafast laser science, nonlinear optical phenomena, and their applications across materials, devices, and integrated systems. The field brings together innovative material development, laser engineering, and nonlinear dynamics, fostering both fundamental discoveries and practical technological solutions. This Special Issue welcomes original research and review articles that advance the understanding and application of nonlinear optics in ultrafast lasers. Contributions can be theoretical, numerical, or experimental. We invite researchers from diverse backgrounds to contribute their work, exchange ideas, and explore new directions in this rapidly evolving field!

Guest Editors

Dr. Defeng Zou

Dr. Xiuqi Wu

Dr. Penglai Guo

Deadline for manuscript submissions

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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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