Special Issue

Novel Applications of Solid-State Laser and Future Prospects

Message from the Guest Editor

This Special Issue will cover all new advancements in solid-state lasers, which play an essential role in many fields in science, industry, and daily life. Laser sources with flexible wavelengths and pulse capabilities will provide significant improvements in the science and performance of many applications. Articles can include recent advances in both material and source aspects of solid-state lasers. Material aspects include new laser gain media and its characterization and resonator components, while energy, power, and brightness scaling are among the key areas in terms of advances in sources, which include lasers as well as other high-brightness pump sources for solid-state lasers. This Special Issue will feature original research articles as well as reviews.

- laser crystals
- rod lasers
- slab lasers
- resonator
- diode pumping
- LED pumping
- high-brightness pump sources
- saturable absorbers
- damage threshold
- wavelength tuning
- single-frequency operation
- Q switching

Guest Editor

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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.

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