

# Special Issue

## Laser-Induced Damage

### Message from the Guest Editor

The complex dynamic process of laser damage involves multidisciplinary fields such as physics, chemistry and materials. In particular, with the construction of large-scale high-power laser devices built in many countries and the rapid development of commercial high-power lasers around the world, the research on laser-induced damage has become more interdisciplinary in scientific issues, more progressive in research methods and more urgent in user needs. Based on the exploration of laser-induced damage science and extensive market demand, this topic focuses on the basic research, key technologies and application prospects of laser-induced damage, and promotes new research developments. This Special Issue on “Laser-Induced Damage” will welcome basic, methodological and applied cutting-edge research contributions, as regular and review papers, dealing with:

- High-power/ultra-fast lasers and fiber lasers;
- Laser induced damage mechanisms, modeling and simulation;
- Optical materials, thin films and gratings;
- Measurement and characterization;
- Fabrication, processing technologies for high-damage-threshold elements.

### Guest Editor

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### Deadline for manuscript submissions

closed (15 March 2024)



## Photonics

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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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