

Special Issue

Extreme Ultraviolet and X-ray Optics for Plasma Diagnostics: Systems and Technologies

Message from the Guest Editors

Extreme ultraviolet (EUV) and soft X-rays are important information carriers for laser-driven, heavy-ion-driven, Z-pinch, and other inertial confinement fusion and magnetic-confinement fusion experiments. This Special Issue plans to provide an overview of recent advances in high-performance extreme ultraviolet and soft X-ray optical systems and their applications in different fields. This Special Issue focuses on the new structural design, device development and exploration of new diagnostic methods, technologies and systems for EUV and soft X-ray optics for plasma diagnostics. Potential topics include, but are not limited to:

- EUV and soft X-ray imaging system;
- EUV and soft X-ray spectroscopy element and system;
- High time-resolved EUV and soft X-ray measurement device;
- EUV and soft X-ray diagnostic techniques in inertial confinement fusion;
- EUV and soft X-ray diagnostic techniques in magnetic confinement fusion;
- Key EUV and soft X-ray optical elements for plasma diagnostics;
- Novel optical structures for EUV and soft X-ray imaging or spectroscopy;
- Key technologies in EUV and soft X-ray optics development.

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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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