Special Issue

Deep Ultraviolet Detection Materials and Devices

Message from the Guest Editors

The application of ultraviolet short-range secure communication, shipborne guidance, ozone layer monitoring, and water pollution treatment require the continuous development, transformation, and utilization of deep ultraviolet (DUV) detection technology. Therefore, the research and development of DUV detection technology have attracted the extensive attention of researchers. This Special Issue focuses on the research of DUV detection materials and devices, so that researchers in this field can promote the development of wide-bandgap semiconductor materials and devices. In this Special Issue, original research articles and reviews are welcome. The scope of this Special Issue includes, but is not limited to, the following topics:

- III-V semiconductors (GaN, etc.)
- SiC materials and devices
- AlN crystals and templates
- BN growth and fundamental properties
- Heterostructure physics
- First-principles calculation
- Deep UV photodetectors
- Diamonds materials and devices
- Gallium oxide materials and devices.

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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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