Special Issue

Metal–Semiconductor Photodetector

Message from the Guest Editors

Photodetectors have attracted increasing attention in the past few decades, primarily due to their wide applications in various purposes, such as image sensing, optical communication, biomedical imaging, and motion detection. Metal–semiconductor photodetectors have attracted much attention due to their figures of merit, including fabrication simplicity and direct compatibility with modern high-speed integrated circuitry. Recently, efforts have been made to improve the responsivity, detectivity, and other key parameters of photodetectors. To bring additional attention to this area of research, this Special Issue highlights progress reports, reviews, and original research articles on "Metal–Semiconductor Photodetectors"; potential topics include, but are not limited to:

- Manufacturing process for metal–semiconductor photodetectors.
- Metallic nanostructures in metal–semiconductor photodetectors.
- Carrier transport in metal–semiconductor photodetectors.
- Internal gain mechanism in metal–semiconductor photodetectors.
- Defects and dislocations near metal–semiconductor interfaces and their influence on photodetection properties.

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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