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Surface and Interface Defects of Semiconductor Materials

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Message from the Guest Editor

Understanding the static and dynamic properties of defects is one of the key research areas in semiconductor materials science. Especially for semiconductor devices, surface and interface defects of semiconductor materials affect or even determine the performance and reliability of the devices. An in-depth understanding of the structure and characteristics of defects at the surface and interface and their impact on electrical properties is important for the performance optimization of semiconductor devices.

Considering the above, this Special Issue aims to bring together cutting-edge research and covers topics contributing to a better understanding of surface and interface defects and their applications. We aim to share, present, and discuss innovative methods of analysis, characterization, and regulation which may help us to further identify surface and interface defects and improve the performance of semiconductor devices. The submission of original research and review articles is welcome, whether they are about theoretical calculations or experimental characterization techniques.



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Message from the Editor-in-Chief

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