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Epitaxial Growth of Crystalline Semiconductors

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Message from the Guest Editor

Dear Colleagues,

Currently, society has come into a digital age built by various kinds of semiconductor materials. Tremendous inventions and developments of semiconductors have been achieved. High-performance devices depend on high-quality epitaxial growth of crystalline semiconductor materials. For example, (silica-based) integrated circuit, (III-nitride-based) LEDs and laser diodes (LDs) and (2D semiconductor-related) novel devices have been established with the progress in epitaxial growth and device processing technologies.

To further improve the performance of semiconductor devices, advanced epitaxial growth and device processing technologies need to be explored. Developments and progress in epitaxial growth and processing techniques are laborious and time consuming. Therefore, those technologies are fundamental, vital and urgently needed, which should be encouraged and paid more attention to.

Dr. Tao Tao
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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