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Growth and Properties of Crystal Materials

Guest Editor:

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Message from the Guest Editor

Crystals are the foundation of many advanced technologies today. Nonlinear optical crystals have been widely used in the field of high-power all-solid-state lasers. Crystals of all kinds are required for scientific studies and new applications. From piezoelectric, optical, and laser applications to today's overwhelming photovoltaic market and widespread use of electronic devices in information technology, communication, system control, and power conversion, the research on growth and properties of crystal materials has contributed to the development of modern technology, and greatly promoted the progress of science and technology. Therefore, the growth of crystals with higher perfection and lower cost is a prerequisite for its application in any new functionalities, and high-efficiency devices based on high-quality crystals are the driving force for word development.In this Special Issue, theoretical and experimental research on physical, chemical, and biological phenomena and processes related to the growth, epitaxy, characterization, and application of crystal materials are highlighted and discussed.

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Message from the Editor-in-Chief

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