



materials



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Seeds for Crystal Growth: Mechanism, Design, and Applications

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Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editor

Dear Colleagues,

We focus on the breakthrough in crystal growth science and engineering. The development of methodologies has unlocked the origin of elementary processes in crystallization, such as atomic alignment on crystal surfaces, nucleation, and step dynamics. The unconventional selection of materials such as inorganic/organic hybrid materials, colloidal systems, and proteins has also resulted in the discovery of the unexplored phenomena of crystallization, such as hierarchical structure, twisting, and self-assembly. Today, the innovation of crystal growth techniques has unveiled the practicality of a wide variety of industrial crystals for a variety of applications, such as nonlinear optical elements and surface-acoustic-wave elements, scintillation, and power devices in the market. The themes include but are not limited to vapor growth, solution growth, and melt growth, and both experimental and simulation studies are welcome for submissions. The Special Issue intends to support all fields related to crystallization such as geology, biology, and chemical engineering.



mdpi.com/si/184452

Special Issue



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Message from the Editor-in-Chief

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