

Current and future challenges in crystal growth

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1. Introduction
2. Solution, flux and ATS growth (KDP, GaN, SiC)
3. Czochralski (highly-doped Si, perovskites, Ga₂O₃)
4. Floating Zone (200 mm Si, oxides)
5. Vertical gradient Freeze (III-V, TMF-VGF, HP-PVSi)
6. Vapour Transport (SiC, GaN, VLS nanocrystals)
7. Highly-pressure synthesis (diamond)
8. Summary and Outlook

