

General Aspects of Crystal Growth Technology

Thermodynamic modeling of crystal growth processes

Prediction of s-l interface shapes and oxygen concentration distributions for 300 mm silicon crystals in a magnetic field

Modeling of vapor-phase growth of SiC and AlN bulk crystals

Advanced technologies of crystal growth from melt using vibrational influence

Convection during bulk crystal growth: The good, the bad, and the ugly

Compound Semiconductors

Defect characterization and control in VCz GaAs crystals grown without B₂O₃ encapsulant

The growth of semiconductor crystals (Ge, GaAs) by the heater-magnet technology

Sublimation growth of bulk AlN crystals

Behaviour of dislocations during Liquid Phase Epitaxy of GaN and CVD epitaxy of SiC

Low temperature growth of ternary III-V semiconductor crystals from quaternary melts

CdHgTe growth technology using ACRT and LPE

Influence of a Pt cold finger in the thermal environments during the growth of CdZnTe by the vertical Bridgman method

Halides and Oxides

Growth, computer modeling, and optimization of sapphire, garnet, and oxide crystals

Advanced material development for inertial fusion energy

Ceramic lasers and ceramic-crystal lasers

LPE of magneto-optical garnet films: preparation, characterization, applications

Growth technology and laser properties of Yb-doped sesquioxides

Continuous growth of large alkali halides: physics and technology

Trends in scintillation crystals

Crystal Growth For Sustaining Energy

Silicon crystal growth for photovoltaics

Low cost semiconductor and solar silicon

Crystal Machining

New developments in multi-wire sawing

Crystal machining using atmospheric pressure plasma

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