Keywords for Journal of Crystal Growth

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A. PROCESSES INDEX

A1. Fundamental Aspects

Adsorption
Atomic force microscopy
Biocrystallization
Biomaterials
Characterization
Computer simulation
Convection
Crystal morphology
Crystal structure
Crystallites
Defects
Dendrites
Desorption
Diffusion
Directional solidification
Doping
Etching
Eutectics
Fluid flows
Growth models
Heat transfer
High resolution X-ray diffraction
Impurities
Interfaces
Light scattering tomography
Line defects
Low dimensional structures
Magnetic fields
Mass transfer
Morphological stability
Nanostructures
Nucleation
Optical microscopy
Phase diagrams
Phase equilibria
Planar defects
Point defects
Purification
Radiation
Recrystallization
Reflection high energy electron diffraction
Roughening
Segregation
Solid solutions
Solidification
Solubility
Solvents
Stirring
Stresses
Substrates
Supersaturated solutions
Surfaces
Surface structure
Surface processes
Surface structure
Volume defects
X-ray diffraction
X-ray topography

A2. Bulk Crystal Growth

Accelerated crucible rotation technique
Bridgman technique
Czochralski method
Double crucible technique
Edge defined film fed growth
Electrochemical growth
Floating zone technique
Gradient freeze technique
Growth from high temperature solutions
Growth from melt
Growth from solutions
Growth from vapor
Hydrothermal crystal growth
Industrial crystallization
Laser heated pedestal growth
Liquid encapsulated Czochralski method
Magnetic field assisted Czochralski method
Microgravity conditions
Natural crystal growth
Seed crystals
Single crystal growth
Stepanov method
Top seeded solution growth
Travelling solvent zone growth
Verneuil crystal growth

A3. Thin Film/Epitaxial Growth

Atomic layer epitaxy
Chemical beam epitaxy
Chemical vapor deposition processes
Chloride vapor phase epitaxy
Graphoepitaxy
Hot wall epitaxy
Hydride vapor phase epitaxy
Laser epitaxy
Liquid phase epitaxy
Low press. metalorganic vapor phase epitaxy
Metalorganic chemical vapor deposition
Metalorganic molecular beam epitaxy
Metalorganic vapor phase epitaxy
Migration enhanced epitaxy
Molecular beam epitaxy
Organometallic vapor phase epitaxy
Pendeoepitaxy
Physical vapor deposition processes
Polycrystalline deposition
Quantum wells
Selective epitaxy
Solid phase epitaxy
Superlattices
Topotaxy
Vapor phase epitaxy

B. MATERIALS/DEVICES INDEX

B1. Materials by Type

Acids
Alloys
Antimonides
Aromatic compounds
Arsenates
Barium compounds
Biological macromolcules
Biological substances
Bismuth compounds
Borates
Cadmium compounds
Calcium compounds
Cuprates
Diamond
Elemental solids
Fullerenes
Gadolinium compounds
Gallium compounds
Gems
Germanium silicon alloys
Glasses
Halides
Inorganic compounds
Lithium compounds
Lysozyme
Manganites
Metals
Minerals
Nanomaterials
Niobates
Nitrides
Organic compounds
Oxides
Perovskites
Phosphates
Phosphides
Polymers
Potassium compounds
Proteins
Quartz
Rare earth compounds
Salts
Sapphire
Sodium chloride
Sucrose
Sulfides
Tellurites
Thulium compounds
Titanium compounds
Tungstates
Tungsten bronzes
Vanadates
Yttrium compounds
Zinc compounds

B2. Materials by Property Class

Acousto-optic materials
Dielectric materials
Ferroelectric materials
Magnetic materials
Magneto-optic materials
Nonlinear optic materials
Oxide superconducting materials
Phosphors
Photorefractive materials
Piezoelectric materials
Scintillator materials
Semiconducting aluminum compounds
Semiconducting cadmium compounds
Semiconducting gallium arsenide
Semiconducting gallium compounds
Semiconducting germanium
Semiconducting III-V materials
Semiconducting II-VI materials
Semiconducting indium compounds
Semiconducting indium gallium phosphide
Semiconducting indium phosphide
Semiconducting lead compounds
Semiconducting materials
Semiconducting mercury compounds
Semiconducting quarternary alloys
Semiconducting silicon
Semiconducting silicon compounds
Semiconducting ternary compounds
Superconducting materials

B3. Devices

Bipolar transistors
Field effect transistors
Filters
Harmonic generators
Heterojunction semiconductor devices
High electron mobility transistors
Infrared devices
Laser diodes
Light emitting diodes
MESFET devices
Nonlinear optical
Optical fiber devices
Scintillators
Solar cells
Solid state lasers