

# Jeffrey J Derby

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

132  
papers

2,575  
citations

30  
h-index

42  
g-index

145  
ext. papers

2,822  
ext. citations

2.3  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
132	Stability-based optimization of ACRT for the growth of CZT by the traveling heater method. <i>Journal of Crystal Growth</i> , <b>2022</b> , 579, 126446	1.6	2
131	The engulfment of a precipitated particle in a saturated melt during solidification. <i>Journal of Crystal Growth</i> , <b>2022</b> , 577, 126400	1.6	0
130	Modeling optical floating zone crystal growth in a high-pressure, single-lamp furnace. <i>Journal of Crystal Growth</i> , <b>2022</b> , 591, 126723	1.6	1
129	Physically-based, lumped-parameter models for the prediction of oxygen concentration during Czochralski growth of silicon crystals. <i>Journal of Crystal Growth</i> , <b>2021</b> , 576, 126384	1.6	0
128	Optimizing ACRT to reduce inclusion formation during the VGF growth of cadmium zinc telluride: II. Application to experiments. <i>Journal of Crystal Growth</i> , <b>2021</b> , 576, 126385	1.6	3
127	Optimizing ACRT to reduce inclusion formation during the VGF growth of cadmium zinc telluride: I. Computational approach. <i>Journal of Crystal Growth</i> , <b>2021</b> , 576, 126386	1.6	1
126	The effects of ACRT on melt undercooling during the growth of CZT via the traveling heater method: Ekman versus Taylor-Görtler flows. <i>Journal of Crystal Growth</i> , <b>2021</b> , 577, 126409	1.6	3
125	In-situ observation and analysis of solid-state diffusion and liquid migration in a crystal growth system: A segregation-driven diffusion couple. <i>Acta Materialia</i> , <b>2020</b> , 186, 434-442	8.4	3
124	Analysis of chemical stress and the propensity for cracking during the vertical Bridgman growth of BaBrCl:Eu. <i>Journal of Crystal Growth</i> , <b>2020</b> , 546, 125794	1.6	1
123	Computational modeling and neutron imaging to understand interface shape and solute segregation during the vertical gradient freeze growth of BaBrCl:Eu. <i>Journal of Crystal Growth</i> , <b>2020</b> , 536, 125572	1.6	3
122	Advances in CdMnTe Nuclear Radiation Detectors Development <b>2018</b> ,		3
121	The synergy of modeling and novel experiments for melt crystal growth research. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 355, 012001	0.4	4
120	A quantitative model with new scaling for silicon carbide particle engulfment during silicon crystal growth. <i>Journal of Crystal Growth</i> , <b>2017</b> , 463, 100-109	1.6	6
119	Towards optimization of ACRT schedules applied to the gradient freeze growth of cadmium zinc telluride. <i>Journal of Crystal Growth</i> , <b>2017</b> , 480, 126-131	1.6	8
118	In-Situ Observation of Phase Separation During Growth of Cs <sub>2</sub> LiLaBr <sub>6</sub> :Ce Crystals Using Energy-Resolved Neutron Imaging. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 6372-6381	3.5	13
117	Particle engulfment dynamics under oscillating crystal growth conditions. <i>Journal of Crystal Growth</i> , <b>2017</b> , 468, 24-27	1.6	7
116	Analysis of the accelerated crucible rotation technique applied to the gradient freeze growth of cadmium zinc telluride. <i>Journal of Crystal Growth</i> , <b>2017</b> , 468, 630-634	1.6	12

115	An axial temperature profile curvature criterion for the engineering of convex crystal growth interfaces in Bridgman systems. <i>Journal of Crystal Growth</i> , <b>2017</b> , 468, 899-904	1.6	4
114	Analysis of particle engulfment during the growth of crystalline silicon. <i>Journal of Crystal Growth</i> , <b>2016</b> , 452, 1-5	1.6	8
113	Analysis of the effects of a rotating magnetic field on the growth of cadmium zinc telluride by the traveling heater method under microgravity conditions. <i>Journal of Crystal Growth</i> , <b>2016</b> , 452, 17-21	1.6	6
112	A fundamental limitation on growth rates in the traveling heater method. <i>Journal of Crystal Growth</i> , <b>2016</b> , 452, 12-16	1.6	8
111	Fluid dynamics in crystal growth: The good, the bad, and the ugly. <i>Progress in Crystal Growth and Characterization of Materials</i> , <b>2016</b> , 62, 286-301	3.5	13
110	Steady-state and dynamic models for particle engulfment during solidification. <i>Journal of Computational Physics</i> , <b>2016</b> , 315, 238-263	4.1	17
109	Analysis of the traveling heater method for the growth of cadmium telluride. <i>Journal of Crystal Growth</i> , <b>2016</b> , 454, 45-58	1.6	20
108	Heat Transfer Analysis and Design for Bulk Crystal Growth: Perspectives on the Bridgman Method <b>2015</b> , 793-843		7
107	An analysis of segregation during horizontal ribbon growth of silicon. <i>Journal of Crystal Growth</i> , <b>2014</b> , 390, 80-87	1.6	12
106	Modeling insights on the melt growth of cadmium zinc telluride. <i>Journal of Crystal Growth</i> , <b>2013</b> , 379, 28-33	1.6	8
105	Stability limits for the horizontal ribbon growth of silicon crystals. <i>Journal of Crystal Growth</i> , <b>2013</b> , 363, 132-140	1.6	15
104	Simulation of heat transfer and convection during sapphire crystal growth in a modified heat exchanger method. <i>Journal of Crystal Growth</i> , <b>2013</b> , 367, 27-34	1.6	14
103	The prospects for traveling magnetic fields to affect interface shape in the vertical gradient freeze growth of cadmium zinc telluride. <i>Journal of Crystal Growth</i> , <b>2013</b> , 364, 133-144	1.6	10
102	Analysis of scintillator crystal production via the edge-defined film-fed growth method <b>2013</b> ,		4
101	Maintaining convex interface shapes during electrodynamic gradient freeze growth of cadmium zinc telluride using a dynamic, bell-curve furnace profile. <i>Journal of Crystal Growth</i> , <b>2012</b> , 355, 113-121	1.6	18
100	Stabilizing detached Bridgman melt crystal growth: Proportional-integral feedback control. <i>Journal of Crystal Growth</i> , <b>2012</b> , 356, 33-45	1.6	6
99	Thermal-capillary analysis of the horizontal ribbon growth of silicon crystals. <i>Journal of Crystal Growth</i> , <b>2012</b> , 355, 129-139	1.6	18
98	Parametric sensitivity and temporal dynamics of sapphire crystal growth via the micro-pulling-down method. <i>Journal of Crystal Growth</i> , <b>2012</b> , 359, 99-106	1.6	5

97	Stabilizing detached Bridgman melt crystal growth: Model-based nonlinear feedback control. <i>Journal of Crystal Growth</i> , <b>2012</b> , 361, 16-24	1.6	7
96	Analysis of limits for sapphire growth in a micro-pulling-down system. <i>Journal of Crystal Growth</i> , <b>2011</b> , 335, 148-159	1.6	17
95	Effects of a traveling magnetic field on vertical gradient freeze growth of cadmium zinc telluride <b>2011</b> ,		1
94	Anomalous segregation during electrodynamic gradient freeze growth of cadmium zinc telluride. <i>Journal of Crystal Growth</i> , <b>2011</b> , 325, 10-19	1.6	40
93	Existence, stability, and nonlinear dynamics of detached Bridgman growth states under zero gravity. <i>Journal of Crystal Growth</i> , <b>2011</b> , 314, 310-323	1.6	17
92	Computer Modelling of Bulk Crystal Growth <b>2010</b> , 73-119		8
91	Modeling and bulk crystal growth processes: What is to be learned? <b>2010</b> ,		2
90	A Schur complement formulation for solving free-boundary, Stefan problems of phase change. <i>Journal of Computational Physics</i> , <b>2010</b> , 229, 7942-7955	4.1	3
89	Multi-scale crystal growth computations via an approximate block Newton method. <i>Journal of Crystal Growth</i> , <b>2010</b> , 312, 1463-1467	1.6	5
88	Modeling the Crystal Growth of Cadmium Zinc Telluride: Accomplishments and Future Challenges. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1164, 1		5
87	An approximate block Newton method for coupled iterations of nonlinear solvers: Theory and conjugate heat transfer applications. <i>Journal of Computational Physics</i> , <b>2009</b> , 228, 8566-8588	4.1	19
86	On crucible effects during the growth of cadmium zinc telluride in an electrodynamic gradient freeze furnace. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 2327-2335	1.6	21
85	Influence of thermal phenomena on crystal reattachment during dewetted Bridgman growth. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 2572-2579	1.6	12
84	On favorable thermal fields for detached Bridgman growth. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 3337-3346	1.6	7
83	Transport mechanisms and densification during sintering: I. Viscous flow versus vacancy diffusion. <i>Chemical Engineering Science</i> , <b>2009</b> , 64, 3799-3809	4.4	50
82	Transport mechanisms and densification during sintering: II. Grain boundaries. <i>Chemical Engineering Science</i> , <b>2009</b> , 64, 3810-3816	4.4	23
81	Protein Salt Water Solution Phase Diagram Determination by a Combined Experimental/Computational Scheme <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 4208-4214	3.5	4
80	Modeling the growth of CZT by the EDG process <b>2008</b> ,		1

79	The role of fluid flow and convective steering during the assembly of colloidal crystals. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 131-139	1.6	31
78	Permeability calculations in three-dimensional isotropic and oriented fiber networks. <i>Physics of Fluids</i> , <b>2008</b> , 20, 123601	4.4	68
77	Control of interface shape of cadmium zinc telluride grown via an electrodynamic gradient freeze furnace <b>2007</b> ,		3
76	Assessing the dynamics of liquid-phase solution growth via step growth models: From BCF to FEM. <i>Progress in Crystal Growth and Characterization of Materials</i> , <b>2007</b> , 53, 167-206	3.5	11
75	Strategies for the coupling of global and local crystal growth models. <i>Journal of Crystal Growth</i> , <b>2007</b> , 303, 114-123	1.6	16
74	Computational Models for Crystal Growth of Radiation Detector Materials: Growth of CZT by the EDG Method. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1038, 1		1
73	Large-Scale Numerical Modeling of Melt and Solution Crystal Growth. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	4
72	Fixed-point convergence of modular, steady-state heat transfer models coupling multiple scales and phenomena for melt-crystal growth. <i>International Journal for Numerical Methods in Engineering</i> , <b>2006</b> , 67, 1768-1789	2.4	16
71	Mass transfer limitations at crystallizing interfaces in an atomic force microscopy fluid cell: a finite element analysis. <i>Langmuir</i> , <b>2006</b> , 22, 6578-86	4	30
70	On the effects of furnace gradients on interface shape during the growth of cadmium zinc telluride in EDG furnaces. <i>Journal of Crystal Growth</i> , <b>2006</b> , 290, 35-43	1.6	20
69	Decreasing lateral segregation in cadmium zinc telluride via ampoule tilting during vertical Bridgman growth. <i>Journal of Crystal Growth</i> , <b>2006</b> , 291, 348-357	1.6	13
68	Developing quantitative, multiscale models for microgravity crystal growth. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 1077, 124-45	6.5	4
67	Analysis of the growth of cadmium zinc telluride in an electrodynamic gradient freeze furnace via a self-consistent, multi-scale numerical model. <i>Journal of Crystal Growth</i> , <b>2005</b> , 276, 133-147	1.6	35
66	Time-dependent, three-dimensional flow and mass transport during solution growth of potassium titanil phosphate. <i>Journal of Crystal Growth</i> , <b>2005</b> , 281, 391-406	1.6	20
65	On the validity of boundary layer analysis for flow and mass transfer caused by rotation during the solution growth of large, single crystals. <i>Journal of Crystal Growth</i> , <b>2005</b> , 283, 479-489	1.6	4
64	Hopf bifurcation and solution multiplicity in a model for destabilized Bridgman crystal growth. <i>Chemical Engineering Science</i> , <b>2005</b> , 60, 1323-1336	4.4	10
63	The feedback control of the vertical Bridgman crystal growth process by crucible rotation: two case studies. <i>Computers and Chemical Engineering</i> , <b>2005</b> , 29, 887-896	4	7
62	Three-Dimensional Finite-Element Analysis of Viscous Sintering. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 533-540	3.8	41

61	Ab Initio simulations of nonstoichiometric Cd(x)Te(1-x) liquids. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 084508	3.9	8
60	Modeling of Crystal Growth Processes <b>2004</b> , 143-167		3
59	Experimental and numerical analysis of coupled interfacial kinetics and heat transport during the axial heat flux close to the phase interface growth of BGO single crystals. <i>Journal of Crystal Growth</i> , <b>2004</b> , 266, 246-256	1.6	4
58	Feasibility study of cadmium zinc telluride growth using a submerged heater in a vertical bridgman system. <i>Journal of Electronic Materials</i> , <b>2004</b> , 33, 488-497	1.9	10
57	Improved radial segregation via the destabilizing vertical Bridgman configuration. <i>Journal of Crystal Growth</i> , <b>2004</b> , 260, 263-276	1.6	8
56	Dynamics of three-dimensional convection in microgravity crystal growth: g-jitter with steady magnetic fields. <i>Journal of Crystal Growth</i> , <b>2004</b> , 263, 40-52	1.6	13
55	Three-dimensional imperfections in a model vertical Bridgman growth system for cadmium zinc telluride. <i>Journal of Crystal Growth</i> , <b>2004</b> , 263, 629-644	1.6	37
54	Development of model-based control for Bridgman crystal growth. <i>Journal of Crystal Growth</i> , <b>2004</b> , 266, 182-189	1.6	10
53	A diffusion-reaction model for DNA microarray assays. <i>Journal of Biotechnology</i> , <b>2004</b> , 114, 31-45	3.7	42
52	Complex dynamics within the vertical Bridgman crystal growth process. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2001</b> , 34, 517-522		
51	Transient polymeric drop extension and retraction in uniaxial extensional flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2001</b> , 98, 141-168	2.7	50
50	An assessment of a parallel, finite element method for three-dimensional, moving-boundary flows driven by capillarity for simulation of viscous sintering. <i>International Journal for Numerical Methods in Fluids</i> , <b>2001</b> , 36, 841-865	1.9	24
49	A comparison of boundary element and finite element methods for modeling axisymmetric polymeric drop deformation. <i>International Journal for Numerical Methods in Fluids</i> , <b>2001</b> , 37, 837-864	1.9	11
48	On stable algorithms and accurate solutions for convection-dominated mass transfer in crystal growth modeling. <i>Journal of Crystal Growth</i> , <b>2001</b> , 230, 202-209	1.6	9
47	Modeling the coupled effects of interfacial and bulk phenomena during solution crystal growth. <i>Journal of Crystal Growth</i> , <b>2001</b> , 230, 328-335	1.6	28
46	Buoyancy and rotation in small-scale vertical Bridgman growth of cadmium zinc telluride using accelerated crucible rotation. <i>Journal of Crystal Growth</i> , <b>2001</b> , 233, 599-608	1.6	38
45	Ab initio simulations of liquid semiconductors using the pseudopotential-density functional method. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, R817-R854	1.8	26
44	First-principles simulations of liquid ZnTe. <i>Physical Review B</i> , <b>2001</b> , 65,	3.3	15

43	On equilibration and sparse factorization of matrices arising in finite element solutions of partial differential equations. <i>Numerical Methods for Partial Differential Equations</i> , <b>2000</b> , 16, 11-29	2.5	8
42	Assessing a flow-based finite element model for the sintering of viscoelastic particles. <i>Chemical Engineering Science</i> , <b>2000</b> , 55, 5733-5746	4.4	14
41	Effect of accelerated crucible rotation on melt composition in high-pressure vertical Bridgman growth of cadmium zinc telluride. <i>Journal of Crystal Growth</i> , <b>2000</b> , 209, 734-750	1.6	76
40	An analysis of flow and mass transfer during the solution growth of potassium titanyl phosphate. <i>Journal of Crystal Growth</i> , <b>2000</b> , 210, 704-718	1.6	30
39	Construction of Solution Curves for Large Two-Dimensional Problems of Steady-State Flows of Incompressible Fluids. <i>SIAM Journal of Scientific Computing</i> , <b>2000</b> , 22, 285-311	2.6	8
38	On the formation of rotational spoke patterns during the Czochralski growth of bismuth silicon oxide. <i>Journal of Crystal Growth</i> , <b>1999</b> , 198-199, 154-160	1.6	19
37	A heat shield to control thermal gradients, melt convection, and interface shape during shouldering in Czochralski oxide growth. <i>Journal of Crystal Growth</i> , <b>1999</b> , 200, 329-334	1.6	11
36	Effect of steady crucible rotation on segregation in high-pressure vertical Bridgman growth of cadmium zinc telluride. <i>Journal of Crystal Growth</i> , <b>1999</b> , 203, 87-102	1.6	54
35	Transient effects during the horizontal Bridgman growth of cadmium zinc telluride. <i>Journal of Crystal Growth</i> , <b>1999</b> , 206, 37-50	1.6	22
34	On setting a pressure datum when computing incompressible flows. <i>International Journal for Numerical Methods in Fluids</i> , <b>1999</b> , 29, 19-34	1.9	7
33	Finite Element Modeling of 3D Fluid Dynamics in Crystal Growth Systems. <i>International Journal of Computational Fluid Dynamics</i> , <b>1999</b> , 12, 225-240	1.2	2
32	First-principles calculations of liquid CdTe at temperatures above and below the melting point. <i>Physical Review B</i> , <b>1999</b> , 60, 8640-8649	3.3	32
31	Three-dimensional computations of solution hydrodynamics during the growth of potassium dihydrogen phosphate. <i>Journal of Crystal Growth</i> , <b>1998</b> , 191, 206-224	1.6	34
30	The diffusion and P1 approximations for modeling buoyant flow of an optically thick fluid. <i>International Journal of Heat and Mass Transfer</i> , <b>1998</b> , 41, 1405-1415	4.9	18
29	Ab Initio Molecular Dynamics Simulation of Liquid CdTe and GaAs: Semiconducting versus Metallic Behavior. <i>Physical Review Letters</i> , <b>1998</b> , 81, 4959-4962	7.4	60
28	Parallel computation of incompressible flows in materials processing: Numerical experiments in diagonal preconditioning. <i>Parallel Computing</i> , <b>1997</b> , 23, 1379-1400	1	19
27	Parallel finite element calculation of flow in a three-dimensional lid-driven cavity using the CM-5 and T3D. <i>International Journal for Numerical Methods in Fluids</i> , <b>1997</b> , 24, 1449-1461	1.9	13
26	Designing thermal environments to promote convex interface shapes during the vertical Bridgman growth of cadmium zinc telluride. <i>Journal of Crystal Growth</i> , <b>1997</b> , 172, 350-360	1.6	55

25	Understanding horizontal Bridgman shelf growth of cadmium telluride and cadmium zinc telluride. I. Heat and momentum transfer. <i>Journal of Crystal Growth</i> , <b>1997</b> , 179, 120-132	1.6	23
24	Understanding horizontal Bridgman shelf growth of cadmium telluride and cadmium zinc telluride. II. Thermoelastic stresses. <i>Journal of Crystal Growth</i> , <b>1997</b> , 179, 133-143	1.6	16
23	Three-dimensional computations of solution hydrodynamics during the growth of potassium dihydrogen phosphate I. Spin up and steady rotation. <i>Journal of Crystal Growth</i> , <b>1997</b> , 180, 497-509	1.6	37
22	Analysis of interrupted growth strategies for cadmium telluride in an unseeded vertical Bridgman system. <i>Journal of Crystal Growth</i> , <b>1996</b> , 158, 459-470	1.6	38
21	On the effects of ampoule tilting during vertical Bridgman growth: three-dimensional computations via a massively parallel, finite element method. <i>Journal of Crystal Growth</i> , <b>1996</b> , 167, 292-304	1.6	32
20	Viscous Sintering of Spherical Particles via Finite Element Analysis. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 645-649	3.8	70
19	Theoretical analysis and design considerations for float-zone refinement of electronic grade silicon sheets. <i>Journal of Crystal Growth</i> , <b>1995</b> , 152, 51-64	1.6	20
18	Three-dimensional melt flows in Czochralski oxide growth: high-resolution, massively parallel, finite element computations. <i>Journal of Crystal Growth</i> , <b>1995</b> , 152, 169-181	1.6	65
17	Modeling the vertical Bridgman growth of cadmium zinc telluride I. Quasi-steady analysis of heat transfer and convection. <i>Journal of Crystal Growth</i> , <b>1995</b> , 155, 93-102	1.6	80
16	Modeling the vertical Bridgman growth of cadmium zinc telluride II. Transient analysis of zinc segregation. <i>Journal of Crystal Growth</i> , <b>1995</b> , 155, 103-111	1.6	67
15	Macroscopic Transport Processes During the Growth of Single Crystals from the Melt <b>1995</b> , 97-110		5
14	Massively parallel finite element analysis of coupled, incompressible flows: A benchmark computation of baroclinic annulus waves. <i>International Journal for Numerical Methods in Fluids</i> , <b>1995</b> , 21, 1007-1014	1.9	10
13	The cathode design problem in electrochemical machining. <i>Chemical Engineering Science</i> , <b>1995</b> , 50, 2679-2689	4.4	27
12	Modeling the spontaneous ignition of coal stockpiles. <i>AIChE Journal</i> , <b>1994</b> , 40, 991-1004	3.6	39
11	Analysis of capillary-driven viscous flows during the sintering of ceramic powders. <i>AIChE Journal</i> , <b>1994</b> , 40, 1794-1803	3.6	44
10	Massively parallel finite element computations of three-dimensional, time-dependent, incompressible flows in materials processing systems. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1994</b> , 119, 139-156	5.7	35
9	Large-scale numerical analysis of materials processing systems: High-temperature crystal growth and molten glass flows. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1994</b> , 112, 69-89	5.7	23
8	Heat transfer and interface inversion during the Czochralski growth of yttrium aluminum garnet and gadolinium gallium garnet. <i>Journal of Crystal Growth</i> , <b>1994</b> , 139, 147-157	1.6	108



7	FINITE-ELEMENT FORMULATIONS FOR ACCURATE CALCULATION OF RADIANT HEAT TRANSFER IN DIFFUSE-GRAY ENCLOSURES. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>1993</b> , 24, 431-454	1.3	19
6	Three-dimensional heat transfer effects during the growth of LiCaAlF <sub>6</sub> in a modified Bridgman furnace. <i>Journal of Crystal Growth</i> , <b>1993</b> , 132, 261-279	1.6	13
5	The role of internal radiation and melt convection in Czochralski oxide growth: deep interfaces, interface inversion, and spiraling. <i>Journal of Crystal Growth</i> , <b>1993</b> , 128, 188-194	1.6	77
4	Bulk-flow versus thermal-capillary models for Czochralski growth of semiconductors. <i>Journal of Crystal Growth</i> , <b>1993</b> , 129, 593-609	1.6	22
3	Theoretical Modeling of Czochralski Crystal Growth. <i>MRS Bulletin</i> , <b>1988</b> , 13, 29-35	3.2	17
2	A fully implicit method for simulation of the one-dimensional solidification of a binary alloy. <i>Chemical Engineering Science</i> , <b>1986</b> , 41, 37-46	4.4	30
1	Computational Simulations of the Growth of Crystals from Liquids 115-137		1