Elias Vlieg

List of Publications by Year
in descending order

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342 papers	12,121 citations	29994 54 h-index	38300 95 g-index
358 all docs	358 docs citations	358 times ranked	8763 citing authors

#	Article	IF	Citations
1	Twinning superlattices in indium phosphide nanowires. Nature, 2008, 456, 369-372.	13.7	625
2	Emergence of a Single Solid Chiral State from a Nearly Racemic Amino Acid Derivative. Journal of the American Chemical Society, 2008, 130, 1158-1159.	6.6	424
3	Surfactant-induced layer-by-layer growth of Ag on Ag(111). Physical Review Letters, 1992, 68, 3335-3338.	2.9	400
4	ROD: a program for surface X-ray crystallography. Journal of Applied Crystallography, 2000, 33, 401-405.	1.9	316
5	Integrated Intensities Using a Six-Circle Surface X-ray Diffractometer. Journal of Applied Crystallography, 1997, 30, 532-543.	1.9	288
6	Surfactant-Induced Layer-by-Layer Growth of Ag on Ag(111): Origins and Side Effects. Physical Review Letters, 1994, 72, 3843-3846.	2.9	284
7	Complete chiral symmetry breaking of an amino acid derivative directed by circularly polarized light. Nature Chemistry, 2009, 1, 729-732.	6.6	210
8	Structure determination of the Si(111):B(â˜š3Ã—â˜š3)R30Â° surface: Subsurface substitutional doping. Physical Review Letters, 1989, 63, 1253-1256.	2.9	204
9	Solvates, Salts, and Cocrystals: A Proposal for a Feasible Classification System. Crystal Growth and Design, 2016, 16, 3237-3243.	1.4	191
10	From Ostwald Ripening to Single Chirality. Angewandte Chemie - International Edition, 2009, 48, 9600-9606.	7.2	183
11	Viedma ripening: a reliable crystallisation method to reach single chirality. Chemical Society Reviews, 2015, 44, 6723-6732.	18.7	165
12	Surface X-Ray Scattering during Crystal Growth: Ge on Ge(111). Physical Review Letters, 1988, 61, 2241-2244.	2.9	155
13	Surface Atomic Structure of KDP Crystals in Aqueous Solution: An Explanation of the Growth Shape. Physical Review Letters, 1998, 80, 2229-2232.	2.9	140
14	The Dutchâ€“Belgian beamline at the ESRF. Journal of Synchrotron Radiation, 1998, 5, 518-520.	1.0	139
15	The Driving Mechanism Behind Attritionâ€Enhanced Deracemization. Angewandte Chemie - International Edition, 2010, 49, 8435-8438.	7.2	139
16	Relaxations in the missing-row structure of the (1 Ã— 2) reconstructed surfaces of Au(110) and Pt(110). Surface Science, 1990, 233, 248-254.	0.8	136
17	Non-Ising behavior of the Pt(110) surface phase transition. Physical Review Letters, 1989, 63, 2578-2581.	2.9	134
18	Geometric structure of the NiSi2î—¸Si(111) interface: An X-ray standing-wave analysis. Surface Science, 1986, 178, 36-46.	0.8	133

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19	X-ray diffraction from rough, relaxed and reconstructed surfaces. Surface Science, 1989, 210, 301-321.	0.8	133
20	Understanding the Effect of a Solvent on the Crystal Habit. Crystal Growth and Design, 2004, 4, 765-768.	1.4	122
21	Attritionâ€Enhanced Deracemization of an Amino Acid Derivative That Forms an Epitaxial Racemic Conglomerate. Angewandte Chemie - International Edition, 2008, 47, 7226-7229.	7.2	118
22	Explanation for the Emergence of a Single Chiral Solid State during Attrition-Enhanced Ostwald Ripening: Survival of the Fittest. Crystal Growth and Design, 2008, 8, 1675-1681.	1.4	118
23	Attrition-Enhanced Deracemization in the Synthesis of Clopidogrel - A Practical Application of a New Discovery. Organic Process Research and Development, 2009, 13, 1195-1198.	1.3	115
24	Molden 2.0: quantum chemistry meets proteins. Journal of Computer-Aided Molecular Design, 2017, 31, 789-800.	1.3	107
25	Complete Deracemization by Attritionâ€Enhanced Ostwald Ripening Elucidated. Angewandte Chemie - International Edition, 2008, 47, 6445-6447.	7.2	106
26	Oxygen-induced missing-row reconstruction of Cu(001) and Cu(001)-vicinal surfaces. Physical Review B, 1990, 42, 6954-6962.	1.1	105
27	The structure of Si(111)-()R30Â°-Ag determined by surface X-ray diffraction. Surface Science, 1989, 209, 100-114.	0.8	104
28	Liquid Order at the Interface of KDP Crystals with Water: Evidence for Icelike Layers. Physical Review Letters, 2003, 90, 066103.	2.9	102
29	Structure determination of theCoSi2:Si(111) interface by x-ray standing-wave analysis. Physical Review B, 1987, 36, 4769-4773.	1.1	101
30	Crystal Structure Transfer in Core/Shell Nanowires. Nano Letters, 2011, 11, 1690-1694.	4.5	93
31	Angle calculations for a six-circle surface X-ray diffractometer. Journal of Applied Crystallography, 1993, 26, 706-716.	1.9	92
32	The Role of Surface Energies and Chemical Potential during Nanowire Growth. Nano Letters, 2011, 11, 1259-1264.	4.5	92
33	Fast Attritionâ€Enhanced Deracemization of Naproxen by a Gradual Inâ€…Situ Feed. Angewandte Chemie - International Edition, 2009, 48, 4581-4583.	7.2	91
34	A (2+3)-Type Surface Diffractometer: Mergence of the z-Axis and (2+2)-Type Geometries. Journal of Applied Crystallography, 1998, 31, 198-203.	1.9	90
35	Structure analysis of Si(111)-(âˆš3 Ã— âˆš3)R30Â°/Ag using x-ray standing waves. Physical Review B, 1991, 43, 7185-7193.	1.1	89
36	Three-Dimensional Morphology of GaPâˆ’GaAs Nanowires Revealed by Transmission Electron Microscopy Tomography. Nano Letters, 2007, 7, 3051-3055.	4.5	87

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37	Importance of the additional step-edge barrier in determining film morphology during epitaxial growth. Physical Review B, 1995, 51, 14790-14793.	1.1	86
38	X-ray diffraction studies of potassium dihydrogen phosphate (KDP) crystal surfaces. Journal of Crystal Growth, 1999, 205, 202-214.	0.7	75
39	Scaling Up Attrition-Enhanced Deracemization by Use of an Industrial Bead Mill in a Route to Clopidogrel (Plavix). Organic Process Research and Development, 2010, 14, 908-911.	1.3	72
40	Complete Chiral Resolution Using Additiveâ€Induced Crystal Size Bifurcation During Grinding. Angewandte Chemie - International Edition, 2009, 48, 3278-3280.	7.2	71
41	Indium-induced layer-by-layer growth and suppression of twin formation in the homoepitaxial growth of Cu(111). Physical Review B, 1995, 52, 17443-17448.	1.1	70
42	Generic nano-imprint process for fabrication of nanowire arrays. Nanotechnology, 2010, 21, 065305.	1.3	70
43	Versatile Wedge-Based System for the Construction of Unidirectional Collagen Scaffolds by Directional Freezing: Practical and Theoretical Considerations. ACS Applied Materials & Interfaces, 2015, 7, 8495-8505.	4.0	70
44	An ultrahigh-vacuum chamber for surface X-ray diffraction combined with MBE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 262, 522-527.	0.7	68
45	Sb-enhanced nucleation in the homoepitaxial growth of Ag(111). Physical Review B, 1998, 57, 4127-4131.	1.1	68
46	Emergence of single-molecular chirality from achiral reactants. Nature Communications, 2014, 5, 5543.	5.8	66
47	Deracemization of a Racemic Compound via Its Conglomerate-Forming Salt Using Temperature Cycling. Crystal Growth and Design, 2016, 16, 5563-5570.	1.4	63
48	Muscovite mica: Flatter than a pancake. Surface Science, 2014, 619, 19-24.	0.8	61
49	Formation and stabilization of pyramidal etch hillocks on silicon {100} in anisotropic etchants: Experiments and Monte Carlo simulation. Journal of Applied Physics, 2001, 89, 4113-4123.	1.1	60
50	Oxidative etching of cleaved synthetic diamond {111} surfaces. Surface Science, 2001, 492, 91-105.	0.8	59
51	Indium-induced lowering of the Schwoebel barrier in the homoepitaxial growth of Cu(100). Physical Review B, 1995, 51, 14806-14809.	1.1	57
52	Epitaxial 2D Nucleation of Metastable Polymorphs:â€‰ A 2D Version of Ostwald's Rule of Stages. Crystal Growth and Design, 2005, 5, 975-981.	1.4	57
53	Growth and characteristics of the NaCl crystal surface grown from solution. Surface Science, 2003, 523, 307-315.	0.8	55
54	Surface morphology of Ag(110) close to its roughening transition. Physical Review Letters, 1991, 67, 1890-1893.	2.9	54

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55	Selective electron capture into He II (n, l) subshells in collisions of He2+with atomic and molecular hydrogen. Journal of Physics B: Atomic and Molecular Physics, 1985, 18, 4745-4762.	1.6	53
56	The structure of the surface determined using X-ray diffraction. Surface Science, 1989, 215, 555-565.	0.8	53
57	Coâ€crystal Prediction by Artificial Neural Networks**. Angewandte Chemie - International Edition, 2020, 59, 21711-21718.	7.2	53
58	Complete Deracemization of Proteinogenic Glutamic Acid Using Viedma Ripening on a Metastable Conglomerate. Crystal Growth and Design, 2012, 12, 5796-5799.	1.4	51
59	Crystal Growth and Morphology:â€‰ New Developments in an Integrated Hartmanâ€“PerdokConnected NetRoughening Transition Theory, Supported by Computer Simulations. Crystal Growth and Design, 2004, 4, 905-913.	1.4	50
60	Surface atomic structure of the reconstructions of Ag(111) and Cu(111). Surface Science, 1998, 414, 159-169.	0.8	49
61	Angle calculations for a five-circle diffractometer used for surface X-ray diffraction. Journal of Applied Crystallography, 1987, 20, 330-337.	1.9	48
62	Formation of a Salt Enables Complete Deracemization of a Racemic Compound through Viedma Ripening. Crystal Growth and Design, 2014, 14, 1744-1748.	1.4	48
63	Segregation and trapping of erbium during silicon molecular beam epitaxy. Applied Physics Letters, 1995, 66, 1385-1387.	1.5	47
64	Surface alloys, overlayer and incommensurate structures of Bi on Cu(111). Surface Science, 2005, 575, 233-246.	0.8	47
65	Magnetically controlled gravity for protein crystal growth. Applied Physics Letters, 2007, 90, .	1.5	47
66	X-ray reflectivity study of the Si(111)7 Ã— 7 surface. Surface Science, 1992, 261, 123-128.	0.8	46
67	The growth of indium on the Si(111) surface studied by X-ray reflectivity and Auger electron spectroscopy. Surface Science, 1992, 277, 330-336.	0.8	46
68	Thickness-dependent ordering of water layers at the NaCl(100) surface. Journal of Chemical Physics, 2004, 120, 9720-9724.	1.2	45
69	Formation of epitaxial Î²â€FeSi2films on Si(001) as studied by mediumâ€energy ion scattering. Journal of Applied Physics, 1993, 73, 1104-1109.	1.1	44
70	Liquid ordering at the Brushite-{010}â€“water interface. Physical Review B, 2004, 69, .	1.1	44
71	Anticaking Activity of Ferrocyanide on Sodium Chloride Explained by Charge Mismatch. Crystal Growth and Design, 2012, 12, 1919-1924.	1.4	44
72	Incorporation and optical activation of erbium in silicon using molecular beam epitaxy. Journal of Applied Physics, 1996, 79, 2658-2662.	1.1	42

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73	Spherulitic Growth of Hen Egg-White Lysozyme Crystals. Journal of Physical Chemistry B, 2007, 111, 1567-1573.	1.2	42
74	Structure of Ge(111)â^š3 Ã— â^š3R30Â°-Au determined by surface x-ray diffraction. Physical Review B, 1993, 48, 1632-1642.	1.1	41
75	Enantioselective Symmetry Breaking Directed by the Order of Process Steps. Angewandte Chemie - International Edition, 2010, 49, 2539-2541.	7.2	41
76	Paired Twins and {112Ì…} Morphology in GaP Nanowires. Nano Letters, 2010, 10, 2349-2356.	4.5	41
77	A facile lightâ€trapping approach for ultrathin GaAs solar cells using wet chemical etching. Progress in Photovoltaics: Research and Applications, 2020, 28, 200-209.	4.4	41
78	Atomic structure and thermal stability of two-dimensional Er silicide on Si(111). Physical Review B, 1996, 54, 2004-2009.	1.1	40
79	Understanding crystal growth in vacuum and beyond. Surface Science, 2002, 500, 458-474.	0.8	39
80	Formamide adsorption and habit changes of alkali halide crystals grown from solutions. Journal of Crystal Growth, 2004, 263, 544-551.	0.7	39
81	Polymorphic behavior of a yellow isoxazolone dye. Dyes and Pigments, 2007, 72, 339-344.	2.0	38
82	Integration techniques for surface X-ray diffraction data obtained with a two-dimensional detector. Journal of Applied Crystallography, 2014, 47, 365-377.	1.9	38
83	Solidâ€“Liquid Interface Structure of Muscovite Mica in CsCl and RbBr Solutions. Langmuir, 2016, 32, 12955-12965.	1.6	38
84	Asymmetrical dimers on the Ge(001)-2 Ã— 1-Sb surface observed using X-ray diffraction. Surface Science, 1992, 275, 190-200.	0.8	37
85	Enantiopure Isoindolinones through Viedma Ripening. Chemistry - A European Journal, 2014, 20, 13527-13530.	1.7	37
86	Controlling the Effect of Chiral Impurities on Viedma Ripening. Crystal Growth and Design, 2013, 13, 4776-4780.	1.4	36
87	Arsenic Formation on GaAs during Etching in HF Solutions: Relevance for the Epitaxial Lift-Off Process. ECS Journal of Solid State Science and Technology, 2013, 2, P58-P65.	0.9	36
88	Interface structure of Si(111)-(â^š3 Ã— â^š3)R30Â°-ErSi2 â^' x. Surface Science, 1996, 345, 247-260.	0.8	35
89	Reversible place-exchange during film growth: a mechanism for surfactant transport. Surface Science, 1996, 355, L375-L380.	0.8	34
90	In Situ Observation of Epitaxial Polymorphic Nucleation of the Model Steroid Methyl Analogue 17 Norethindrone. Journal of Physical Chemistry B, 2002, 106, 4725-4731.	1.2	34

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91	The effect of Sb on the nucleation and growth of Ag on Ag(100). Surface Science, 1995, 330, 101-112.	0.8	33
92	Atomic structure of diamond {111} surfaces etched in oxygen water vapor. Physical Review B, 2001, 64, .	1.1	33
93	Kink density and propagation velocity of the [] step on the Kossel () surface. Surface Science, 2002, 506, 183-195.	0.8	33
94	Linear Deracemization Kinetics during Viedma Ripening: Autocatalysis Overruled by Chiral Additives. Crystal Growth and Design, 2015, 15, 1975-1982.	1.4	33
95	Structure determination of Cu(100)-p(2Ã—2)-S using x-ray diffraction. Physical Review B, 1990, 41, 7896-7898.	1.1	32
96	Cocrystal design by network-based link prediction. CrystEngComm, 2019, 21, 6875-6885.	1.3	32
97	Stability of the polar {111} NaCl crystal face. Journal of Chemical Physics, 2006, 124, 164706.	1.2	31
98	Growth Inhibition of Protein Crystals: A Study of Lysozyme Polymorphs. Crystal Growth and Design, 2008, 8, 270-274.	1.4	30
99	Increased performance of thin-film GaAs solar cells by rear contact/mirror patterning. Thin Solid Films, 2018, 660, 10-18.	0.8	30
100	Using Gradient Magnetic Fields to Suppress Convection during Crystal Growth. Crystal Growth and Design, 2006, 6, 2275-2280.	1.4	29
101	Crystal structure prediction of organic pigments: quinacridone as an example. Journal of Applied Crystallography, 2007, 40, 105-114.	1.9	29
102	Photoracemizationâ€Based Viedma Ripening of a BINOL Derivative. Chemistry - A European Journal, 2020, 26, 839-844.	1.7	29
103	Growth of GaN on nano-crystalline diamond substrates. Diamond and Related Materials, 2009, 18, 1043-1047.	1.8	28
104	Metal ion-exchange on the muscovite mica surface. Surface Science, 2017, 665, 56-61.	0.8	28
105	On the mechanism of solid-state phase transitions in molecular crystals â€“ the role of cooperative motion in (quasi)racemic linear amino acids. IUCrJ, 2020, 7, 331-341.	1.0	28
106	Phase transition of a Pb monolayer on Ge(111). Physical Review B, 1999, 59, 13301-13308.	1.1	27
107	Theoretical review of series resistance determination methods for solar cells. Solar Energy Materials and Solar Cells, 2014, 130, 605-614.	3.0	27
108	The Crystalline Sponge Method in Water. Chemistry - A European Journal, 2019, 25, 14999-15003.	1.7	27

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109	Epitaxial Nucleation and Growth of n-Alkane Crystals on Graphite (0001). Crystal Growth and Design, 2004, 4, 361-367.	1.4	26
110	Polymorphism and Migratory Chiral Resolution of the Free Base of Venlafaxine. A Remarkable Topotactical Solid State Transition from a Racemate to a Racemic Conglomerate. Crystal Growth and Design, 2008, 8, 71-79.	1.4	26
111	A Comparative Study of Impurity Effects on Protein Crystallization: Diffusive versus Convective Crystal Growth. Crystal Growth and Design, 2015, 15, 1150-1159.	1.4	26
112	Attritionâ€Enhanced Deracemization of the Antimalaria Drug Mefloquine. Angewandte Chemie - International Edition, 2019, 58, 1670-1673.	7.2	26
113	Structure determination of Cu()â€“O using X-ray diffraction and DFT calculations. Surface Science, 2002, 516, 16-32.	0.8	25
114	Deracemization of a Racemic Allylic Sulfoxide Using Viedma Ripening. Crystal Growth and Design, 2017, 17, 4454-4457.	1.4	25
115	Cocrystals in the Cambridge Structural Database: a network approach. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 371-383.	0.5	25
116	Structure and morphology of the as-polished diamond(111)-1 Ã— 1 surface. Surface Science, 1997, 387, 342-353.	0.8	24
117	Study of the Needle-Like Morphologies of Two Î²-Phthalocyanines. Crystal Growth and Design, 2009, 9, 840-847.	1.4	24
118	Role of Additives during Deracemization Using Temperature Cycling. Crystal Growth and Design, 2018, 18, 6617-6620.	1.4	24
119	Cocrystals of Praziquantel: Discovery by Network-Based Link Prediction. Crystal Growth and Design, 2021, 21, 3428-3437.	1.4	24
120	Evidence for tilted chains on the diamond (111)-(2 Ã— 1) surface. Surface Science, 1998, 396, 241-252.	0.8	23
121	A Monte Carlo study of dislocation growth and etching of crystals. Journal of Crystal Growth, 2000, 219, 165-175.	0.7	23
122	Structure of liquid Sn on Ge(111). Physical Review B, 2001, 64, .	1.1	23
123	Metastable States in Multicomponent Liquidâ€'Solid Systems I:â€‰ A Kinetic Crystallization Model. Journal of Physical Chemistry B, 2002, 106, 7321-7330.	1.2	23
124	The effects of kink correlation and the Monte Carlo probability scheme on the step structure and velocity. Surface Science, 2003, 525, 1-12.	0.8	23
125	Structure of the {111} NaCl crystal surface grown from solution in the presence of CdCl2. Surface Science, 2005, 599, 196-206.	0.8	23
126	Polymorph Formation Studied by 3D Nucleation Simulations. Application to a Yellow Isoxazolone Dye, Paracetamol, andl-Glutamic Acid. Journal of Physical Chemistry B, 2007, 111, 1523-1530.	1.2	23

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127	Calcite (104) Surfaceâ€“Electrolyte Structure: A 3D Comparison of Surface X-ray Diffraction and Simulations. Journal of Physical Chemistry C, 2020, 124, 18564-18575.	1.5	23
128	Interface roughness during thermal and ionâ€induced regrowth of amorphous layers on Si(001). Applied Physics Letters, 1994, 64, 1803-1805.	1.5	22
129	The growth and atomic structure of the Si(1 1 1)-indium interface studied by surface X-ray diffraction. Physica B: Condensed Matter, 1994, 198, 246-248.	1.3	22
130	Etching and surface termination of K2Cr2O7 {0 0 1} faces observed using in situ atomic force microscopy. Journal of Crystal Growth, 2000, 216, 413-427.	0.7	22
131	Submicron liquid crystal pixels on a nanopatterned indium tin oxide surface. Applied Physics Letters, 2002, 80, 4635-4637.	1.5	22
132	Nonequilibrium free energy and kinetic roughening of steps on the Kossel(001) surface. Physical Review B, 2004, 69, .	1.1	22
133	Alizarin crystals: An extreme case of solvent induced morphology change. Journal of Crystal Growth, 2005, 285, 168-177.	0.7	22
134	Epitaxy of Organic Crystal Films:Â Phenanthrene on Potassium Acid Phthalate. Crystal Growth and Design, 2007, 7, 243-249.	1.4	22
135	Formation of Wurtzite InP Nanowires Explained by Liquid-Ordering. Nano Letters, 2011, 11, 44-48.	4.5	22
136	Realising epitaxial growth of GaN on (001) diamond. Journal of Applied Physics, 2011, 110, .	1.1	22
137	Solidâ€Phase Conversion of Four Stereoisomers into a Single Enantiomer. Angewandte Chemie - International Edition, 2018, 57, 15441-15444.	7.2	22
138	Suppression of convection using gradient magnetic fields during crystal growth of NiSO4â˙™6H2O. Applied Physics Letters, 2005, 87, 214105.	1.5	21
139	Epitaxial 2D nucleation of the stable polymorphic form of the steroid 7Î±MNa on the metastable form: Implications for Ostwald's rule of stages. International Journal of Pharmaceutics, 2006, 309, 16-24.	2.6	21
140	Growth Inhibition of Sodium Chloride Crystals by Anticaking Agents: In Situ Observation of Step Pinning. Crystal Growth and Design, 2012, 12, 5889-5896.	1.4	21
141	Deracemization Controlled by Reaction-Induced Nucleation: Viedma Ripening as a Safety Catch for Total Spontaneous Resolution. Crystal Growth and Design, 2015, 15, 3917-3921.	1.4	21
142	Flexible shielding layers for solar cells in space applications. Journal of Applied Polymer Science, 2016, 133, .	1.3	21
143	The illumination angle dependency of CPV solar cell electrical performance. Solar Energy, 2017, 144, 166-174.	2.9	21
144	Efficient Havingaâ€“Kondepudi resolution of conglomerate amino acid derivatives by slow cooling and abrasive grinding. CrystEngComm, 2010, 12, 2051.	1.3	20

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145	Sodium Chloride Dihydrate Crystals: Morphology, Nucleation, Growth, and Inhibition. Crystal Growth and Design, 2015, 15, 3166-3174.	1.4	20
146	Subshell-selective electron capture cross sections in collisions of He2+and C4+with atomic hydrogen. Journal of Physics B: Atomic and Molecular Physics, 1985, 18, L17-L22.	1.6	19
147	The solubility behaviour and thermodynamic relations of the three forms of Venlafaxine free base. International Journal of Pharmaceutics, 2009, 368, 146-153.	2.6	19
148	High Resolution Protein Crystals Using an Efficient Convection-Free Geometry. Crystal Growth and Design, 2013, 13, 775-781.	1.4	19
149	Influence of anticaking agents on the caking of sodium chloride at the powder and two-crystal scale. Powder Technology, 2015, 277, 262-267.	2.1	19
150	Polymer versus Monomer Action on the Growth and Habit Modification of Sodium Chloride Crystals. Crystal Growth and Design, 2015, 15, 5375-5381.	1.4	19
151	Speeding up Viedma ripening. Chemical Communications, 2016, 52, 12048-12051.	2.2	19
152	Racemic and Enantiopure Camphene and Pinene Studied by the Crystalline Sponge Method. Crystal Growth and Design, 2018, 18, 126-132.	1.4	19
153	Electron radiationâ€“induced degradation of GaAs solar cells with different architectures. Progress in Photovoltaics: Research and Applications, 2020, 28, 266-278.	4.4	19
154	CoSi2/Si(111) interface: Determination of the interfacial metal coordination number. Physical Review B, 1992, 45, 6700-6708.	1.1	18
155	A curved Micro-Strip Gas Counter for synchrotron radiation time resolved SAXS/WAXS experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 392, 83-88.	0.7	18
156	Metastable States in Multicomponent Liquidâ^'Solid Systems II:â€‰ Kinetic Phase Separation. Journal of Physical Chemistry B, 2002, 106, 7331-7339.	1.2	18
157	Kink incorporation and step propagation in a non-Kossel model. Surface Science, 2004, 571, 41-62.	0.8	18
158	Concentration-Dependent Adsorption of CsI at the Muscoviteâ€“Electrolyte Interface. Langmuir, 2018, 34, 3821-3826.	1.6	18
159	Determination of the Molecular Arrangement Inside Cyanine Dye Aggregates by Magnetic Orientation. Journal of Physical Chemistry B, 2004, 108, 16386-16391.	1.2	17
160	Observation of a Liquid Phase with an Orthorhombic Orientational Order. Physical Review Letters, 2006, 96, 056102.	2.9	17
161	Structure of singly terminated polar DyScO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>(110) surfaces. Physical Review B, 2012, 85, .	1.1	17
162	Improvements in ultraâ€‘light and flexible epitaxial liftâ€‘off GaInP/GaAs/GaInAs solar cells for space applications. Progress in Photovoltaics: Research and Applications, 2022, 30, 1003-1011.	4.4	17

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163	Epitaxial submonolayer cobalt films on Cu(100) studied by X-ray diffraction. Surface Science, 1991, 250, L363-L367.	0.8	16
164	pH-dependent liquid order at the solid-solution interface ofKH2PO4crystals. Physical Review B, 2005, 72, .	1.1	16
165	Morphology and Surface Structure of Silver Carboxylates. Crystal Growth and Design, 2006, 6, 1027-1032.	1.4	16
166	Liquid Ordering at the KDP {100}-Solution Interface. Crystal Growth and Design, 2006, 6, 588-591.	1.4	16
167	Birth-and-spread growth on the Kossel and a non-Kossel surface. Journal of Crystal Growth, 2006, 286, 188-196.	0.7	16
168	Wet Chemical Etching of Silicon {111}: Autocatalysis in Pit Formation. Journal of the Electrochemical Society, 2008, 155, J79.	1.3	16
169	Comparison of GaN and AlN nucleation layers for the oriented growth of GaN on diamond substrates. Diamond and Related Materials, 2010, 19, 437-440.	1.8	16
170	Kinetic switching between two modes of bisurea surfactant self-assembly. Chemical Communications, 2010, 46, 6063.	2.2	16
171	Impact of shading on a flat CPV system for faÃ§ade integration. Solar Energy, 2016, 140, 162-170.	2.9	16
172	The superionic phase transition of fluorite-type crystals. Journal of Physics and Chemistry of Solids, 1986, 47, 521-528.	1.9	15
173	Floating Stacking Fault during Homoepitaxial Growth of Ag(111). Physical Review Letters, 1998, 81, 381-384.	2.9	15
174	An Atomic Force Microscopy Study of the (001) Surface of Triclinic Hen Egg-White Lysozyme Crystals. Crystal Growth and Design, 2006, 6, 1206-1213.	1.4	15
175	Polymorph prediction of organic pigments. Dyes and Pigments, 2008, 79, 183-192.	2.0	15
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