Elias Vlieg

List of Publications by Year
in descending order

342 papers	12,121 citations	30070 54 h-index	38395 95 g-index
358 all docs	358 docs citations	358 times ranked	8763 citing authors

#	Article	IF	Citations
1	Combining Viedma Ripening and Temperature Cycling Deracemization. Crystal Growth and Design, 2022, 22, 1874-1881.	3.0	10
2	Influence of Ostwaldâ€™s Rule of Stages in the Deracemization of a Compound Using a Racemic Resolving Agent. Crystal Growth and Design, 2022, 22, 1459-1466.	3.0	1
3	Ultrathin GaAs solar cells with a high surface roughness GaP layer for lightâ€trapping application. Progress in Photovoltaics: Research and Applications, 2022, 30, 622-631.	8.1	10
4	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.	8.1	17
5	Comprehensive analysis of photon dynamics in thin-film GaAs solar cells with planar and textured rear mirrors. Solar Energy Materials and Solar Cells, 2022, 244, 111708.	6.2	6
6	A study of the hydration and dehydration transitions of SrCl2 hydrates for use in heat storage. Solar Energy Materials and Solar Cells, 2022, 242, 111770.	6.2	14
7	Ordered and Disordered Carboxylic Acid Monolayers on Calcite (104) and Muscovite (001) Surfaces. Journal of Physical Chemistry C, 2022, 126, 8855-8862.	3.1	2
8	Limiting mechanisms for photon recycling in thinâ€film GaAs solar cells. Progress in Photovoltaics: Research and Applications, 2021, 29, 379-390.	8.1	10
9	Cocrystals of Praziquantel: Discovery by Network-Based Link Prediction. Crystal Growth and Design, 2021, 21, 3428-3437.	3.0	24
10	Proton irradiation induced GaAs solar cell performance degradation simulations using a physics-based model. Solar Energy Materials and Solar Cells, 2021, 223, 110971.	6.2	10
11	Dark curve analysis of thin-film GaAs solar cells, with a focus on photon recycling approaches. , 2021, , .		0
12	Combining Diastereomeric Resolution and Viedma Ripening by Using a Racemic Resolving Agent. European Journal of Organic Chemistry, 2021, 2021, 5975.	2.4	4
13	In-situ XRD study on the selenisation parameters driving Ga/In interdiffusion in Cu(In,Ga)Se2 in a versatile, industrially-relevant selenisation furnace. Solar Energy, 2021, 230, 1085-1094.	6.1	4
14	Monovalent â€“ divalent cation competition at the muscovite mica surface: Experiment and theory. Journal of Colloid and Interface Science, 2020, 559, 291-303.	9.4	14
15	Photoracemizationâ€Based Viedma Ripening of a BINOL Derivative. Chemistry - A European Journal, 2020, 26, 839-844.	3.3	29
16	A facile lightâ€trapping approach for ultrathin GaAs solar cells using wet chemical etching. Progress in Photovoltaics: Research and Applications, 2020, 28, 200-209.	8.1	41
17	Organothiol Monolayer Formation Directly on Muscovite Mica. Angewandte Chemie, 2020, 132, 2343-2347.	2.0	1
18	Organothiol Monolayer Formation Directly on Muscovite Mica. Angewandte Chemie - International Edition, 2020, 59, 2323-2327.	13.8	4

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19	Calcite (104) Surfaceâ€“Electrolyte Structure: A 3D Comparison of Surface X-ray Diffraction and Simulations. Journal of Physical Chemistry C, 2020, 124, 18564-18575.	3.1	23
20	Coâ€crystal Prediction by Artificial Neural Networks**. Angewandte Chemie - International Edition, 2020, 59, 21711-21718.	13.8	53
21	Coâ€crystal Prediction by Artificial Neural Networks**. Angewandte Chemie, 2020, 132, 21895-21902.	2.0	7
22	Observation and implications of the Franzâ€Keldysh effect in ultrathin GaAs solar cells. Progress in Photovoltaics: Research and Applications, 2020, 28, 779-787.	8.1	15
23	Epitaxy of Rhodochrosite (MnCO₃) on Muscovite Mica and Its Relation with Calcite (CaCO₃). Crystal Growth and Design, 2020, 20, 4802-4810.	3.0	2
24	Complex Geometric Structure of a Simple Solid-Liquid Interface: GaN(0001)-Ga. Physical Review Letters, 2020, 124, 086101.	7.8	6
25	Electron radiationâ€“induced degradation of GaAs solar cells with different architectures. Progress in Photovoltaics: Research and Applications, 2020, 28, 266-278.	8.1	19
26	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.	2.2	28
27	Quantum Dot-Based Thin-Film IIIâ€“V Solar Cells. Lecture Notes in Nanoscale Science and Technology, 2020, , 1-48.	0.8	2
28	Epitaxial Lift-Off of Ultra-Thin GaAs Solar Cells with Textured Back Contact Layer and Diffuse Silver Mirror. , 2020, , .		2
29	Exploring the Franz-Keldysh effect in ultra-thin GaAs solar cells. , 2020, , .		1
30	Deracemization in a Complex Quaternary System with a Secondâ€Order Asymmetric Transformation by Using Phase Diagram Studies. Chemistry - A European Journal, 2019, 25, 13890-13898.	3.3	8
31	Deracemization in a Complex Quaternary System with a Secondâ€Order Asymmetric Transformation by Using Phase Diagram Studies. Chemistry - A European Journal, 2019, 25, 13837-13837.	3.3	2
32	The Crystalline Sponge Method in Water. Chemistry - A European Journal, 2019, 25, 14999-15003.	3.3	27
33	Toward Continuous Deracemization via Racemic Crystal Transformation Monitored by in Situ Raman Spectroscopy. Crystal Growth and Design, 2019, 19, 5858-5868.	3.0	12
34	Epitaxial Crystallization of Insulin on an Ordered 2D Polymer Template. Chemistry - A European Journal, 2019, 25, 3756-3760.	3.3	2
35	Racemization and Deracemization through Intermolecular Redox Behaviour. Chemistry - A European Journal, 2019, 25, 9639-9642.	3.3	5
36	Cocrystals in the Cambridge Structural Database: a network approach. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 371-383.	1.1	25

#	Article	IF	Citations
37	Advanced Lightweight Flexible Array with Mechanical Architecture. , 2019, , .		1
38	Wet-Chemically Textured Ultra-Thin GaAs Solar Cells with Dielectric/Metal Rear Mirrors. , 2019, , .		0
39	Cocrystal design by network-based link prediction. CrystEngComm, 2019, 21, 6875-6885.	2.6	32
40	Attritionâ€Enhanced Deracemization of the Antimalaria Drug Mefloquine. Angewandte Chemie, 2019, 131, 1684-1687.	2.0	5
41	Attritionâ€Enhanced Deracemization of the Antimalaria Drug Mefloquine. Angewandte Chemie - International Edition, 2019, 58, 1670-1673.	13.8	26
42	The crystal structures of four dimethoxybenzaldehyde isomers. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 38-42.	0.5	1
43	The crystalline sponge method: pitfalls, challenges and solutions. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e514-e514.	0.1	0
44	Surfaces with Controllable Topography and Chemistry Used as a Template for Protein Crystallization. Crystal Growth and Design, 2018, 18, 763-769.	3.0	5
45	Concentration-Dependent Adsorption of CsI at the Muscoviteâ€"Electrolyte Interface. Langmuir, 2018, 34, 3821-3826.	3.5	18
46	Amides as anticaking agents for sodium chloride: is a triple branched variant necessary?. CrystEngComm, 2018, 20, 334-339.	2.6	2
47	Partially shaded III-V concentrator solar cell performance. Solar Energy Materials and Solar Cells, 2018, 179, 231-240.	6.2	7
48	Deracemization of a Racemic Compound by Using Tailorâ€Made Additives. Chemistry - A European Journal, 2018, 24, 2863-2867.	3.3	14
49	Solidâ€"Liquid Interface Structure of Muscovite Mica in SrCl₂ and BaCl₂ Solutions. Langmuir, 2018, 34, 4241-4248.	3.5	12
50	Additive Induced Formation of Ultrathin Sodium Chloride Needle Crystals. Crystal Growth and Design, 2018, 18, 755-762.	3.0	12
51	The Rich Solid-State Phase Behavior of dl-Aminoheptanoic Acid: Five Polymorphic Forms and Their Phase Transitions. Crystal Growth and Design, 2018, 18, 242-252.	3.0	11
52	Racemic and Enantiopure Camphene and Pinene Studied by the Crystalline Sponge Method. Crystal Growth and Design, 2018, 18, 126-132.	3.0	19
53	Increased Performance of Thin-film GaAs Solar Cells with Improved Rear Interface Reflectivity. , 2018, , .		0
54	Solidâ€Phase Conversion of Four Stereoisomers into a Single Enantiomer. Angewandte Chemie, 2018, 130, 15667-15670.	2.0	6

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55	Solidâ€Phase Conversion of Four Stereoisomers into a Single Enantiomer. Angewandte Chemie - International Edition, 2018, 57, 15441-15444.	13.8	22
56	Water Structure, Dynamics and Ion Adsorption at the Aqueous {010} Brushite Surface. Minerals (Basel, Switzerland), 2018, 8, 334.	2.0	8
57	Role of Additives during Deracemization Using Temperature Cycling. Crystal Growth and Design, 2018, 18, 6617-6620.	3.0	24
58	Critical vacancy density for melting in two-dimensions: the case of high density Bi on Cu(111). New Journal of Physics, 2018, 20, 083045.	2.9	0
59	Additive induced pseudo-homoepitaxy of nanoneedles on NaCl crystals. Journal of Crystal Growth, 2018, 498, 43-50.	1.5	4
60	Increased performance of thin-film GaAs solar cells by rear contact/mirror patterning. Thin Solid Films, 2018, 660, 10-18.	1.8	30
61	Influence of laterally split spectral illumination on multi-junction CPV solar cell performance. Solar Energy, 2018, 170, 86-94.	6.1	6
62	The structure of PbCl2on the {100} surface of NaCl and its consequences for crystal growth. Journal of Chemical Physics, 2018, 148, 144703.	3.0	1
63	Epitaxy of Anthraquinone on (100) NaCl: A Quantitative Approach. Crystal Growth and Design, 2018, 18, 5099-5107.	3.0	3
64	Discovering new cocrystals via coformerâ€"network analysis. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e339-e339.	0.1	0
65	The illumination angle dependency of CPV solar cell electrical performance. Solar Energy, 2017, 144, 166-174.	6.1	21
66	Metal diffusion barriers for GaAs solar cells. Physical Chemistry Chemical Physics, 2017, 19, 7607-7616.	2.8	6
67	Observation of Ultrathin Precursor Film Formation during Geâ€"Si Liquid-Phase Epitaxy from an Undersaturated Solution. Langmuir, 2017, 33, 814-819.	3.5	5
68	Additive Enhanced Creeping of Sodium Chloride Crystals. Crystal Growth and Design, 2017, 17, 3107-3115.	3.0	13
69	Noble metal surface degradation induced by organothiols. Surface Science, 2017, 662, 59-66.	1.9	3
70	Temperature-Induced Degradation of Thin-Film IIIâ€"V Solar Cells for Space Applications. IEEE Journal of Photovoltaics, 2017, 7, 702-708.	2.5	14
71	Solid Phase Deracemization of an Atropisomer. Crystal Growth and Design, 2017, 17, 5583-5585.	3.0	11
72	Molden 2.0: quantum chemistry meets proteins. Journal of Computer-Aided Molecular Design, 2017, 31, 789-800.	2.9	107

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73	Metal ion-exchange on the muscovite mica surface. Surface Science, 2017, 665, 56-61.	1.9	28
74	Polymorphism and Modulation of Para-Substituted l-Phenylalanine. Crystal Growth and Design, 2017, 17, 6231-6238.	3.0	1
75	Deracemization of a Racemic Allylic Sulfoxide Using Viedma Ripening. Crystal Growth and Design, 2017, 17, 4454-4457.	3.0	25
76	Flexible shielding layers for solar cells in space applications. Journal of Applied Polymer Science, 2016, 133, .	2.6	21
77	Solidâ€"Liquid Interface Structure of Muscovite Mica in CsCl and RbBr Solutions. Langmuir, 2016, 32, 12955-12965.	3.5	38
78	Degradation mechanism(s) of GaAs solar cells with Cu contacts. Physical Chemistry Chemical Physics, 2016, 18, 10232-10240.	2.8	11
79	Preparation of a smooth GaNâ€"Gallium solidâ€"liquid interface. Journal of Crystal Growth, 2016, 448, 70-75.	1.5	7
80	Solvates, Salts, and Cocrystals: A Proposal for a Feasible Classification System. Crystal Growth and Design, 2016, 16, 3237-3243.	3.0	191
81	Speeding up Viedma ripening. Chemical Communications, 2016, 52, 12048-12051.	4.1	19
82	Deracemization of a Racemic Compound via Its Conglomerate-Forming Salt Using Temperature Cycling. Crystal Growth and Design, 2016, 16, 5563-5570.	3.0	63
83	Resolution of asparagine in a coupled batch grinding process: experiments and modelling. CrystEngComm, 2016, 18, 9252-9259.	2.6	7
84	Persistent Reverse Enantiomeric Excess in Solution during Viedma Ripening. Crystal Growth and Design, 2016, 16, 4752-4758.	3.0	10
85	Impact of shading on a flat CPV system for faÃ§ade integration. Solar Energy, 2016, 140, 162-170.	6.1	16
86	The role of surface and interface structure in crystal growth. Progress in Crystal Growth and Characterization of Materials, 2016, 62, 203-211.	4.0	5
87	Creeping: an efficient way to determine the anticaking ability of additives for sodium chloride. CrystEngComm, 2016, 18, 6176-6183.	2.6	13
88	Structure and activity of the anticaking agent iron(<scp>iii</scp>) meso-tartrate. Dalton Transactions, 2016, 45, 6650-6659.	3.3	7
89	3,4-Dimethoxybenzaldehyde. IUCrData, 2016, 1, .	0.3	3
90	Understanding the polymorphic phase transitions of linear amino acids using in situ characterisation. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s67-s67.	0.1	0

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91	Oneâ€Pot Synthesis, Crystallization and Deracemization of Isoindolinones from Achiral Reactants. European Journal of Organic Chemistry, 2015, 2015, 7249-7252.	2.4	7
92	Linear Deracemization Kinetics during Viedma Ripening: Autocatalysis Overruled by Chiral Additives. Crystal Growth and Design, 2015, 15, 1975-1982.	3.0	33
93	A Comparative Study of Impurity Effects on Protein Crystallization: Diffusive versus Convective Crystal Growth. Crystal Growth and Design, 2015, 15, 1150-1159.	3.0	26
94	A practical kit for micro-scale application of the ceiling crystallisation method. CrystEngComm, 2015, 17, 2602-2605.	2.6	6
95	Viedma ripening: a reliable crystallisation method to reach single chirality. Chemical Society Reviews, 2015, 44, 6723-6732.	38.1	165
96	Sodium Chloride Dihydrate Crystals: Morphology, Nucleation, Growth, and Inhibition. Crystal Growth and Design, 2015, 15, 3166-3174.	3.0	20
97	Effects of copper diffusion in gallium arsenide solar cells for space applications. Solar Energy Materials and Solar Cells, 2015, 140, 45-53.	6.2	15
98	A sample chamber for in situ high-energy X-ray studies of crystal growth at deeply buried interfaces in harsh environments. Journal of Crystal Growth, 2015, 420, 84-89.	1.5	10
99	Influence of anticaking agents on the caking of sodium chloride at the powder and two-crystal scale. Powder Technology, 2015, 277, 262-267.	4.2	19
100	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.	8.0	70
101	Polymer versus Monomer Action on the Growth and Habit Modification of Sodium Chloride Crystals. Crystal Growth and Design, 2015, 15, 5375-5381.	3.0	19
102	Deracemization Controlled by Reaction-Induced Nucleation: Viedma Ripening as a Safety Catch for Total Spontaneous Resolution. Crystal Growth and Design, 2015, 15, 3917-3921.	3.0	21
103	Emergence of single-molecular chirality from achiral reactants. Nature Communications, 2014, 5, 5543.	12.8	66
104	Atomic layering and misfit-induced densification at the Si(111)/In solidâ€"liquid interface. Surface Science, 2014, 621, 69-76.	1.9	7
105	Formation of a Salt Enables Complete Deracemization of a Racemic Compound through Viedma Ripening. Crystal Growth and Design, 2014, 14, 1744-1748.	3.0	48
106	Muscovite mica: Flatter than a pancake. Surface Science, 2014, 619, 19-24.	1.9	61
107	Illuminating protein crystal growth using fluorophore-labelled proteins. CrystEngComm, 2014, 16, 9800-9809.	2.6	5
108	Dibenzo Crown Ether Layer Formation on Muscovite Mica. Langmuir, 2014, 30, 12570-12577.	3.5	9

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109	Theoretical review of series resistance determination methods for solar cells. Solar Energy Materials and Solar Cells, 2014, 130, 605-614.	6.2	27
110	Enantiopure Isoindolinones through Viedma Ripening. Chemistry - A European Journal, 2014, 20, 13527-13530.	3.3	37
111	Temperature-dependent structure, elasticity, and entropic stability of Bi phases on Cu{111}. Physical Review B, 2014, 89, .	3.2	4
112	Experimental review of series resistance determination methods for IIIâ€“V concentrator solar cells. Solar Energy Materials and Solar Cells, 2014, 130, 364-374.	6.2	14
113	Integration techniques for surface X-ray diffraction data obtained with a two-dimensional detector. Journal of Applied Crystallography, 2014, 47, 365-377.	4.5	38
114	Symmetry and symmetry breaking during crystal growth. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C940-C940.	0.1	0
115	Controlling the Effect of Chiral Impurities on Viedma Ripening. Crystal Growth and Design, 2013, 13, 4776-4780.	3.0	36
116	Complexity from Simplicity. Science, 2013, 340, 822-823.	12.6	6
117	High Resolution Protein Crystals Using an Efficient Convection-Free Geometry. Crystal Growth and Design, 2013, 13, 775-781.	3.0	19
118	Space environmental testing of flexible coverglass alternatives based on siloxanes. Polymer Degradation and Stability, 2013, 98, 2503-2511.	5.8	14
119	The development of the depletion zone during ceiling crystallization: phase shifting interferometry and simulation results. CrystEngComm, 2013, 15, 2275.	2.6	12
120	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.	1.8	36
121	Record resolution protein crystals using an efficient convection-free growth geometry. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, s10-s10.	0.3	0
122	Phase Transition Driven Discontinuity in Thermodynamic Size Selection. Physical Review Letters, 2012, 109, 195501.	7.8	5
123	Anticaking Activity of Ferrocyanide on Sodium Chloride Explained by Charge Mismatch. Crystal Growth and Design, 2012, 12, 1919-1924.	3.0	44
124	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, .	3.2	17
125	Anomalous IV-characteristics of a GaAs solar cell under high irradiance. Solar Energy Materials and Solar Cells, 2012, 104, 97-101.	6.2	10
126	Monolayer and aggregate formation of a modified phthalocyanine on mica determined by a delicate balance of surface interactions. Surface Science, 2012, 606, 830-835.	1.9	10

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127	Surface Degradation during Separation of Crystals from Solution: Minimizing the Shut-off Effect. Crystal Growth and Design, 2012, 12, 2265-2271.	3.0	4
128	Complete Deracemization of Proteinogenic Glutamic Acid Using Viedma Ripening on a Metastable Conglomerate. Crystal Growth and Design, 2012, 12, 5796-5799.	3.0	51
129	Growth Inhibition of Sodium Chloride Crystals by Anticaking Agents: In Situ Observation of Step Pinning. Crystal Growth and Design, 2012, 12, 5889-5896.	3.0	21
130	Formation of Wurtzite InP Nanowires Explained by Liquid-Ordering. Nano Letters, 2011, 11, 44-48.	9.1	22
131	Crystal Structure Transfer in Core/Shell Nanowires. Nano Letters, 2011, 11, 1690-1694.	9.1	93
132	The Role of Surface Energies and Chemical Potential during Nanowire Growth. Nano Letters, 2011, 11, 1259-1264.	9.1	92
133	A genuine circular contact grid pattern for solar cells. Progress in Photovoltaics: Research and Applications, 2011, 19, 517-526.	8.1	12
134	X-ray diffraction analysis of the silicon (111) surface during alkaline etching. Surface Science, 2011, 605, 1027-1033.	1.9	4
135	Realising epitaxial growth of GaN on (001) diamond. Journal of Applied Physics, 2011, 110, .	2.5	22
136	IsoQuestCSP: analyzing sets of predicted crystal structures and selecting the true structure. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C33-C34.	0.3	0
137	Correlated Twins in Nanowires. Microscopy and Microanalysis, 2010, 16, 1808-1809.	0.4	0
138	Absolute etch rates in alkaline etching of silicon (111). Sensors and Actuators A: Physical, 2010, 164, 154-160.	4.1	12
139	Enantioselective Symmetry Breaking Directed by the Order of Process Steps. Angewandte Chemie - International Edition, 2010, 49, 2539-2541.	13.8	41
140	The Driving Mechanism Behind Attritionâ€Enhanced Deracemization. Angewandte Chemie - International Edition, 2010, 49, 8435-8438.	13.8	139
141	Enhanced growth rates and reduced parasitic deposition by the substitution of Cl2 for HCl in GaN HVPE. Journal of Crystal Growth, 2010, 312, 2542-2550.	1.5	7
142	The nucleation of HCl and Cl2-based HVPE GaN on mis-oriented sapphire substrates. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1749-1755.	0.8	0
143	Generic nano-imprint process for fabrication of nanowire arrays. Nanotechnology, 2010, 21, 065305.	2.6	70
144	A new circular contact grid pattern, designed for solar cells in a mechanical stack. , 2010, , .		0

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145	Comparison of GaN and AlN nucleation layers for the oriented growth of GaN on diamond substrates. Diamond and Related Materials, 2010, 19, 437-440.	3.9	16
146	Paired Twins and {112Ì…} Morphology in GaP Nanowires. Nano Letters, 2010, 10, 2349-2356.	9.1	41
147	Self-Assembly of Porphyrins on a Single Crystalline Organic Substrate. Langmuir, 2010, 26, 498-503.	3.5	8
148	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.	2.7	72
149	Crystal Morphology. , 2010, , .		0
150	Periodic nanowire structures. , 2010, , .		0
151	Efficient Havingaâ€"Kondepudi resolution of conglomerate amino acid derivatives by slow cooling and abrasive grinding. CrystEngComm, 2010, 12, 2051.	2.6	20
152	Kinetic switching between two modes of bisurea surfactant self-assembly. Chemical Communications, 2010, 46, 6063.	4.1	16
153	Complete Chiral Resolution Using Additiveâ€Induced Crystal Size Bifurcation During Grinding. Angewandte Chemie - International Edition, 2009, 48, 3278-3280.	13.8	71
154	Fast Attritionâ€Enhanced Deracemization of Naproxen by a Gradual Inâ€...Situ Feed. Angewandte Chemie - International Edition, 2009, 48, 4581-4583.	13.8	91
155	From Ostwald Ripening to Single Chirality. Angewandte Chemie - International Edition, 2009, 48, 9600-9606.	13.8	183
156	Growth of scandium aluminum nitride nanowires on ScN(111) films on 6Hâ€SiC substrates by HVPE. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2809-2815.	1.8	7
157	Complete chiral symmetry breaking of an amino acid derivative directed by circularly polarized light. Nature Chemistry, 2009, 1, 729-732.	13.6	210
158	The solubility behaviour and thermodynamic relations of the three forms of Venlafaxine free base. International Journal of Pharmaceutics, 2009, 368, 146-153.	5.2	19
159	Surface alloying and anomalous diffusion of Bi on Cu(111). Surface Science, 2009, 603, 3292-3296.	1.9	13
160	Wet chemical etching of silicon {111}: Etch pit analysis by the Lichtfigur method. Journal of Crystal Growth, 2009, 311, 1371-1377.	1.5	11
161	ScAlN nanowires: A cathodoluminescence study. Journal of Crystal Growth, 2009, 311, 3147-3151.	1.5	14
162	On the nucleation, coalescence, and overgrowth of HVPE GaN on misoriented sapphire substrates and the origin of pinholes. Journal of Crystal Growth, 2009, 311, 4685-4691.	1.5	13

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163	Study of the Needle-Like Morphologies of Two Î²-Phthalocyanines. Crystal Growth and Design, 2009, 9, 840-847.	3.0	24
164	Influence of Additives on Alkaline Etching of Silicon(111). Crystal Growth and Design, 2009, 9, 4315-4323.	3.0	10
165	Analysis of Growth Spirals on Vapor-Grown Metal-free Î²-Phthalocyanine Crystals. Crystal Growth and Design, 2009, 9, 2409-2414.	3.0	2
166	Simple Geometry for Diffusion Limited Protein Crystal Growth: Harnessing Gravity to Suppress Convection. Crystal Growth and Design, 2009, 9, 885-888.	3.0	15
167	Attrition-Enhanced Deracemization in the Synthesis of Clopidogrel - A Practical Application of a New Discovery. Organic Process Research and Development, 2009, 13, 1195-1198.	2.7	115
168	Growth of GaN on nano-crystalline diamond substrates. Diamond and Related Materials, 2009, 18, 1043-1047.	3.9	28
169	Hydration and Dehydration of the Pure Enantiomer and the Racemic of Phencyphos. , 2009, , .		0
170	Polymorph prediction of organic pigments. Dyes and Pigments, 2008, 79, 183-192.	3.7	15
171	Complete Deracemization by Attritionâ€Enhanced Ostwald Ripening Elucidated. Angewandte Chemie - International Edition, 2008, 47, 6445-6447.	13.8	106
172	Attritionâ€Enhanced Deracemization of an Amino Acid Derivative That Forms an Epitaxial Racemic Conglomerate. Angewandte Chemie - International Edition, 2008, 47, 7226-7229.	13.8	118
173	Experimental and computational morphology of three polymorphs of the free base of Venlafaxine: A comparison of morphology prediction methods. International Journal of Pharmaceutics, 2008, 353, 113-123.	5.2	11
174	Twinning superlattices in indium phosphide nanowires. Nature, 2008, 456, 369-372.	27.8	625
175	The Critical Rayleigh Number in Low Gravity Crystal Growth from Solution. Crystal Growth and Design, 2008, 8, 2194-2199.	3.0	9
176	Emergence of a Single Solid Chiral State from a Nearly Racemic Amino Acid Derivative. Journal of the American Chemical Society, 2008, 130, 1158-1159.	13.7	424
177	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.	3.0	26
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