

Fiona C Meldrum

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2032988/publications.pdf>

Version: 2024-02-01

166
papers

14,131
citations

20759

60
h-index

20900

115
g-index

171
all docs

171
docs citations

171
times ranked

12604
citing authors

#	ARTICLE	IF	CITATIONS
1	Micron-sized biogenic and synthetic hollow mineral spheres occlude additives within single crystals. <i>Faraday Discussions</i> , 2022, 235, 536-550.	1.6	4
2	Starfish grow extraordinary crystals. <i>Science</i> , 2022, 375, 615-616.	6.0	8
3	Magnesium Ions Direct the Solid-State Transformation of Amorphous Calcium Carbonate Thin Films to Aragonite, Magnesium Calcite, or Dolomite. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	10
4	Positively Charged Additives Facilitate Incorporation in Inorganic Single Crystals. <i>Chemistry of Materials</i> , 2022, 34, 4910-4923.	3.2	10
5	Calcite Kinetics for Spiral Growth and Two-Dimensional Nucleation. <i>Crystal Growth and Design</i> , 2022, 22, 4431-4436.	1.4	3
6	Active sites for ice nucleation differ depending on nucleation mode. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
7	Dichroic Calcite Reveals the Pathway from Additive Binding to Occlusion. <i>Crystal Growth and Design</i> , 2021, 21, 3746-3755.	1.4	5
8	Embracing Mechanobiology in Next Generation Organ-On-A-Chip Models of Bone Metastasis. <i>Frontiers in Medical Technology</i> , 2021, 3, 722501.	1.3	9
9	Exploiting Confinement to Study the Crystallization Pathway of Calcium Sulfate. <i>Advanced Functional Materials</i> , 2021, 31, 2107312.	7.8	11
10	Incorporation of nanogels within calcite single crystals for the storage, protection and controlled release of active compounds. <i>Chemical Science</i> , 2021, 12, 9839-9850.	3.7	12
11	An innovative data processing method for studying nanoparticle formation in droplet microfluidics using X-rays scattering. <i>Lab on A Chip</i> , 2021, 21, 4498-4506.	3.1	10
12	Solvent-Mediated Enhancement of Additive-Controlled Crystallization. <i>Crystal Growth and Design</i> , 2021, 21, 7104-7115.	1.4	9
13	Ptychographic X-ray tomography reveals additive zoning in nanocomposite single crystals. <i>Chemical Science</i> , 2020, 11, 355-363.	3.7	17
14	Intermolecular channels direct crystal orientation in mineralized collagen. <i>Nature Communications</i> , 2020, 11, 5068.	5.8	90
15	Evaluation of microflow configurations for scale inhibition and serial X-ray diffraction analysis of crystallization processes. <i>Lab on A Chip</i> , 2020, 20, 2954-2964.	3.1	3
16	Dynamic Crystallization Pathways of Polymorphic Pharmaceuticals Revealed in Segmented Flow with Inline Powder X-ray Diffraction. <i>Analytical Chemistry</i> , 2020, 92, 7754-7761.	3.2	12
17	A facile method for generating worm-like micelles with controlled lengths and narrow polydispersity. <i>Chemical Communications</i> , 2020, 56, 7463-7466.	2.2	9
18	Investigating the Nucleation Kinetics of Calcium Carbonate Using a Zero-Water-Loss Microfluidic Chip. <i>Crystal Growth and Design</i> , 2020, 20, 2787-2795.	1.4	9

#	ARTICLE	IF	CITATIONS
19	Crystallization in Confinement. <i>Advanced Materials</i> , 2020, 32, e2001068.	11.1	158
20	Efficient occlusion of oil droplets within calcite crystals. <i>Chemical Science</i> , 2019, 10, 8964-8972.	3.7	18
21	Super-Resolution Microscopy Reveals Shape and Distribution of Dislocations in Single-Crystal Nanocomposites. <i>Angewandte Chemie</i> , 2019, 131, 17489-17495.	1.6	0
22	Super-Resolution Microscopy Reveals Shape and Distribution of Dislocations in Single-Crystal Nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17328-17334.	7.2	8
23	Skin-Deep Surface Patterning of Calcite. <i>Chemistry of Materials</i> , 2019, 31, 8725-8733.	3.2	10
24	Visualization of the effect of additives on the nanostructures of individual bio-inspired calcite crystals. <i>Chemical Science</i> , 2019, 10, 1176-1185.	3.7	26
25	Spatially Controlled Occlusion of Polymer-Stabilized Gold Nanoparticles within ZnO. <i>Angewandte Chemie</i> , 2019, 131, 4346-4351.	1.6	9
26	Model Anionic Block Copolymer Vesicles Provide Important Design Rules for Efficient Nanoparticle Occlusion within Calcite. <i>Journal of the American Chemical Society</i> , 2019, 141, 2557-2567.	6.6	63
27	What Dictates the Spatial Distribution of Nanoparticles within Calcite?. <i>Journal of the American Chemical Society</i> , 2019, 141, 2481-2489.	6.6	37
28	High-speed imaging of ice nucleation in water proves the existence of active sites. <i>Science Advances</i> , 2019, 5, eaav4316.	4.7	87
29	Spatially Controlled Occlusion of Polymer-Stabilized Gold Nanoparticles within ZnO. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4302-4307.	7.2	35
30	How Many Phosphoric Acid Units Are Required to Ensure Uniform Occlusion of Sterically Stabilized Nanoparticles within Calcite?. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8692-8697.	7.2	27
31	How Many Phosphoric Acid Units Are Required to Ensure Uniform Occlusion of Sterically Stabilized Nanoparticles within Calcite?. <i>Angewandte Chemie</i> , 2019, 131, 8784-8789.	1.6	7
32	Droplet Microfluidics XRD Identifies Effective Nucleating Agents for Calcium Carbonate. <i>Advanced Functional Materials</i> , 2019, 29, 1808172.	7.8	31
33	Hydroxyl-rich macromolecules enable the bio-inspired synthesis of single crystal nanocomposites. <i>Nature Communications</i> , 2019, 10, 5682.	5.8	43
34	Controlling the fluorescence and room-temperature phosphorescence behaviour of carbon nanodots with inorganic crystalline nanocomposites. <i>Nature Communications</i> , 2019, 10, 206.	5.8	128
35	Influence of the Structure of Block Copolymer Nanoparticles on the Growth of Calcium Carbonate. <i>Chemistry of Materials</i> , 2018, 30, 7091-7099.	3.2	22
36	Anionic block copolymer vesicles act as Trojan horses to enable efficient occlusion of guest species into host calcite crystals. <i>Chemical Science</i> , 2018, 9, 8396-8401.	3.7	37

#	ARTICLE	IF	CITATIONS
37	Amino Acid Assisted Incorporation of Dye Molecules within Calcite Crystals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8623-8628.	7.2	36
38	Confinement generates single-crystal aragonite rods at room temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7670-7675.	3.3	61
39	Amino Acid Assisted Incorporation of Dye Molecules within Calcite Crystals. <i>Angewandte Chemie</i> , 2018, 130, 8759-8764.	1.6	1
40	Combinatorial Evolution of Biomimetic Magnetite Nanoparticles. <i>Advanced Functional Materials</i> , 2017, 27, 1604863.	7.8	19
41	Synchrotron FTIR mapping of mineralization in a microfluidic device. <i>Lab on A Chip</i> , 2017, 17, 1616-1624.	3.1	24
42	Physical Confinement Promoting Formation of Cu ₂ O@Au Heterostructures with Au Nanoparticles Entrapped within Crystalline Cu ₂ O Nanorods. <i>Chemistry of Materials</i> , 2017, 29, 555-563.	3.2	20
43	Observing the formation of ice and organic crystals in active sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 810-815.	3.3	66
44	Using Confinement To Study the Crystallization Pathway of Calcium Carbonate. <i>Crystal Growth and Design</i> , 2017, 17, 6787-6792.	1.4	22
45	Passive Picoinjection Enables Controlled Crystallization in a Droplet Microfluidic Device. <i>Small</i> , 2017, 13, 1702154.	5.2	29
46	The Effect of Additives on the Early Stages of Growth of Calcite Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11885-11890.	7.2	46
47	The Effect of Additives on the Early Stages of Growth of Calcite Single Crystals. <i>Angewandte Chemie</i> , 2017, 129, 12047-12052.	1.6	12
48	The role of phase separation and related topography in the exceptional ice-nucleating ability of alkali feldspars. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31186-31193.	1.3	63
49	Incorporation of additives in single crystals – bio-inspired approach. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, a346-a346.	0.0	0
50	Structure and Properties of Nanocomposites Formed by the Occlusion of Block Copolymer Worms and Vesicles Within Calcite Crystals. <i>Advanced Functional Materials</i> , 2016, 26, 1382-1392.	7.8	63
51	Tuning hardness in calcite by incorporation of amino acids. <i>Nature Materials</i> , 2016, 15, 903-910.	13.3	183
52	A reproducible approach to the assembly of microcapillaries for double emulsion production. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	1.0	16
53	Polymer-Directed Assembly of Single Crystal Zinc Oxide/Magnetite Nanocomposites under Atmospheric and Hydrothermal Conditions. <i>Chemistry of Materials</i> , 2016, 28, 7528-7536.	3.2	25
54	Rapid Screening of Calcium Carbonate Precipitation in the Presence of Amino Acids: Kinetics, Structure, and Composition. <i>Crystal Growth and Design</i> , 2016, 16, 5174-5183.	1.4	24

#	ARTICLE	IF	CITATIONS
55	Effect of Nanoscale Confinement on the Crystallization of Potassium Ferrocyanide. <i>Crystal Growth and Design</i> , 2016, 16, 5403-5411.	1.4	22
56	Occlusion of Sulfate-Based Diblock Copolymer Nanoparticles within Calcite: Effect of Varying the Surface Density of Anionic Stabilizer Chains. <i>Journal of the American Chemical Society</i> , 2016, 138, 11734-11742.	6.6	67
57	Cooperative Effects of Confinement and Surface Functionalization Enable the Formation of Au/Cu ₂ O Metal-Semiconductor Heterostructures. <i>Crystal Growth and Design</i> , 2016, 16, 6804-6811.	1.4	9
58	3D visualization of additive occlusion and tunable full-spectrum fluorescence in calcite. <i>Nature Communications</i> , 2016, 7, 13524.	5.8	40
59	Learning from sea shells – bio-inspired approaches toward mesoscale architectures in functional spinel oxides. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s55-s56.	0.0	1
60	Strain-relief by single dislocation loops in calcite crystals grown on self-assembled monolayers. <i>Nature Communications</i> , 2016, 7, 11878.	5.8	41
61	Combinatorial microfluidic droplet engineering for biomimetic material synthesis. <i>Science Advances</i> , 2016, 2, e1600567.	4.7	67
62	Direct observation of mineral-organic composite formation reveals occlusion mechanism. <i>Nature Communications</i> , 2016, 7, 10187.	5.8	110
63	Rapid preparation of highly reliable PDMS double emulsion microfluidic devices. <i>RSC Advances</i> , 2016, 6, 25927-25933.	1.7	24
64	Phosphonic Acid-Functionalized Diblock Copolymer Nano-Objects via Polymerization-Induced Self-Assembly: Synthesis, Characterization, and Occlusion into Calcite Crystals. <i>Macromolecules</i> , 2016, 49, 192-204.	2.2	58
65	Three-dimensional imaging of dislocation propagation during crystal growth and dissolution. <i>Nature Materials</i> , 2015, 14, 780-784.	13.3	143
66	Precipitation of Amorphous Calcium Oxalate in Aqueous Solution. <i>Chemistry of Materials</i> , 2015, 27, 3999-4007.	3.2	53
67	The Crystal Hotel: A Microfluidic Approach to Biomimetic Crystallization. <i>Advanced Materials</i> , 2015, 27, 7395-7400.	11.1	40
68	Bioinspired Synthesis of Large-Pore, Mesoporous Hydroxyapatite Nanocrystals for the Controlled Release of Large Pharmaceuticals. <i>Crystal Growth and Design</i> , 2015, 15, 723-731.	1.4	32
69	Crystallization by particle attachment in synthetic, biogenic, and geologic environments. <i>Science</i> , 2015, 349, aaa6760.	6.0	1,467
70	Is Ice Nucleation from Supercooled Water Insensitive to Surface Roughness?. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1164-1169.	1.5	85
71	Genetic Algorithm-Guided Discovery of Additive Combinations That Direct Quantum Dot Assembly. <i>Advanced Materials</i> , 2015, 27, 223-227.	11.1	14
72	Dehydration and crystallization of amorphous calcium carbonate in solution and in air. <i>Nature Communications</i> , 2014, 5, 3169.	5.8	265

#	ARTICLE	IF	CITATIONS
73	Systematic Study of the Effects of Polyamines on Calcium Carbonate Precipitation. <i>Chemistry of Materials</i> , 2014, 26, 2703-2711.	3.2	72
74	Bio-inspired formation of functional calcite/metal oxide nanoparticle composites. <i>Nanoscale</i> , 2014, 6, 852-859.	2.8	35
75	A critical analysis of calcium carbonate mesocrystals. <i>Nature Communications</i> , 2014, 5, 4341.	5.8	122
76	Oxygen Spectroscopy and Polarization-Dependent Imaging Contrast (PIC)-Mapping of Calcium Carbonate Minerals and Biominerals. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8449-8457.	1.2	60
77	Confinement Increases the Lifetimes of Hydroxyapatite Precursors. <i>Chemistry of Materials</i> , 2014, 26, 5830-5838.	3.2	48
78	Efficient Selection of Biomining DNA Aptamers Using Deep Sequencing and Population Clustering. <i>ACS Nano</i> , 2014, 8, 387-395.	7.3	33
79	Confinement stabilises single crystal vaterite rods. <i>Chemical Communications</i> , 2014, 50, 4729-4732.	2.2	43
80	Correlation between Anisotropy and Lattice Distortions in Single Crystal Calcite Nanowires Grown in Confinement. <i>Small</i> , 2014, 10, 2697-2702.	5.2	8
81	One-pot synthesis of an inorganic heterostructure: uniform occlusion of magnetite nanoparticles within calcite single crystals. <i>Chemical Science</i> , 2014, 5, 738-743.	3.7	75
82	Colouring crystals with inorganic nanoparticles. <i>Chemical Communications</i> , 2014, 50, 67-69.	2.2	48
83	The role of poly(aspartic acid) in the precipitation of calcium phosphate in confinement. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6586.	2.9	67
84	Nanoscale Confinement Controls the Crystallization of Calcium Phosphate: Relevance to Bone Formation. <i>Chemistry - A European Journal</i> , 2013, 19, 14918-14924.	1.7	95
85	Simple Photosystem II Water Oxidation Centre Analogues in Visible Light Oxygen and H ₂ Generation. <i>Small</i> , 2013, 9, 61-66.	5.2	12
86	Solid state crystallization of amorphous calcium carbonate nanoparticles leads to polymorph selectivity. <i>CrystEngComm</i> , 2013, 15, 697-705.	1.3	21
87	The Effect of Additives on Amorphous Calcium Carbonate (ACC): Janus Behavior in Solution and the Solid State. <i>Advanced Functional Materials</i> , 2013, 23, 1575-1585.	7.8	95
88	Elucidating Mechanisms of Diffusion-Based Calcium Carbonate Synthesis Leads to Controlled Mesocrystal Formation. <i>Advanced Functional Materials</i> , 2013, 23, 1965-1973.	7.8	114
89	Freeze-drying yields stable and pure amorphous calcium carbonate (ACC). <i>Chemical Communications</i> , 2013, 49, 3134.	2.2	60
90	Confinement Leads to Control over Calcium Sulfate Polymorph. <i>Advanced Functional Materials</i> , 2013, 23, 5615-5623.	7.8	56

#	ARTICLE	IF	CITATIONS
91	Formation and Structure of Calcium Carbonate Thin Films and Nanofibers Precipitated in the Presence of Poly(Allylamine Hydrochloride) and Magnesium Ions. <i>Chemistry of Materials</i> , 2013, 25, 4994-5003.	3.2	39
92	Characterization of Preferred Crystal Nucleation Sites on Mica Surfaces. <i>Crystal Growth and Design</i> , 2013, 13, 1915-1925.	1.4	16
93	High-Magnesian Calcite Mesocrystals: A Coordination Chemistry Approach. <i>Journal of the American Chemical Society</i> , 2012, 134, 1367-1373.	6.6	65
94	Structure-property relationships of a biological mesocrystal in the adult sea urchin spine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3699-3704.	3.3	277
95	In Situ Study of the Precipitation and Crystallization of Amorphous Calcium Carbonate (ACC). <i>Crystal Growth and Design</i> , 2012, 12, 1212-1217.	1.4	61
96	Topographical Control of Crystal Nucleation. <i>Crystal Growth and Design</i> , 2012, 12, 750-755.	1.4	49
97	Calcium carbonate polymorph control using droplet-based microfluidics. <i>Biomicrofluidics</i> , 2012, 6, 22001-2200110.	1.2	43
98	A new precipitation pathway for calcium sulfate dihydrate (gypsum) via amorphous and hemihydrate intermediates. <i>Chemical Communications</i> , 2012, 48, 504-506.	2.2	143
99	The use of cationic surfactants to control the structure of zinc oxide films prepared by chemical vapour deposition. <i>Chemical Communications</i> , 2012, 48, 1490-1492.	2.2	27
100	Impurities in pluronic triblock copolymers can induce the formation of calcite mesocrystals. <i>Chemical Geology</i> , 2012, 294-295, 259-262.	1.4	3
101	Polymer-induced liquid precursor (PILP) phases of calcium carbonate formed in the presence of synthetic acidic polypeptides—relevance to biomineralization. <i>Faraday Discussions</i> , 2012, 159, 327.	1.6	47
102	Additives stabilize calcium sulfate hemihydrate (bassanite) in solution. <i>Journal of Materials Chemistry</i> , 2012, 22, 22055.	6.7	73
103	Think Positive: Phase Separation Enables a Positively Charged Additive to Induce Dramatic Changes in Calcium Carbonate Morphology. <i>Advanced Functional Materials</i> , 2012, 22, 907-915.	7.8	128
104	Early Stages of Crystallization of Calcium Carbonate Revealed in Picoliter Droplets. <i>Journal of the American Chemical Society</i> , 2011, 133, 5210-5213.	6.6	105
105	An artificial biomineral formed by incorporation of copolymer micelles in calcite crystals. <i>Nature Materials</i> , 2011, 10, 890-896.	13.3	248
106	Biopolymer stabilized nanoparticles as co-catalysts for photocatalytic water oxidations. <i>Polymer Chemistry</i> , 2011, 2, 1375.	1.9	9
107	General Route to Functional Metal Oxide Nanosuspensions, Enzymatically Deshelled Nanoparticles, and Their Application in Photocatalytic Water Splitting. <i>Small</i> , 2011, 7, 869-873.	5.2	8
108	Synthesis of Macroporous Calcium Carbonate/Magnetite Nanocomposites and their Application in Photocatalytic Water Splitting. <i>Small</i> , 2011, 7, 2168-2172.	5.2	20

#	ARTICLE	IF	CITATIONS
109	Nanocomposites: Synthesis of Macroporous Calcium Carbonate/Magnetite Nanocomposites and their Application in Photocatalytic Water Splitting (Small 15/2011). Small, 2011, 7, 2126-2126.	5.2	0
110	Porous Single Crystals of Calcite from Colloidal Crystal Templates: ACC Is Not Required for Nanoscale Templating. Advanced Functional Materials, 2011, 21, 948-954.	7.8	36
111	Capillarity Creates Single-Crystal Calcite Nanowires from Amorphous Calcium Carbonate. Angewandte Chemie - International Edition, 2011, 50, 12572-12577.	7.2	90
112	Amorphous Calcium Carbonate is Stabilized in Confinement. Advanced Functional Materials, 2010, 20, 2108-2115.	7.8	157
113	Biom mineralization: Amorphous Calcium Carbonate is Stabilized in Confinement (Adv. Funct. Mater.) Tj ETQq1 1 0.784314 rgBJ /Overlo	7.8	157
114	Bio-Inspired Synthesis and Mechanical Properties of Calcite-Polymer Particle Composites. Advanced Materials, 2010, 22, 2082-2086.	11.1	122
115	Epitaxy of Calcite on Mica. Crystal Growth and Design, 2010, 10, 734-738.	1.4	23
116	Crystallization and formation mechanisms of nanostructures. Nanoscale, 2010, 2, 2326.	2.8	18
117	Nanostructured Calcite Single Crystals with Gyroid Morphologies. Advanced Materials, 2009, 21, 3928-3932.	11.1	103
118	Substrate-directed formation of calcium carbonate fibres. Journal of Materials Chemistry, 2009, 19, 387-398.	6.7	31
119	Controlling Mineral Morphologies and Structures in Biological and Synthetic Systems. Chemical Reviews, 2008, 108, 4332-4432.	23.0	1,222
120	The archaeal lipid composition of partially lithified cold seep mats. Organic Geochemistry, 2008, 39, 1000-1006.	0.9	6
121	Now You See Them. Science, 2008, 322, 1802-1803.	6.0	101
122	Synthesis-dependant structural variations in amorphous calcium carbonate. CrystEngComm, 2007, 9, 1226.	1.3	164
123	Anisotropic nano-papier mache microcapsules. Soft Matter, 2007, 3, 188-190.	1.2	39
124	Profiting from nature: macroporous copper with superior mechanical properties. Chemical Communications, 2007, , 3547.	2.2	53
125	Designer Crystals: Single Crystals with Complex Morphologies. Chemistry of Materials, 2007, 19, 1111-1119.	3.2	72
126	Continuous Structural Evolution of Calcium Carbonate Particles: A Unifying Model of Copolymer-Mediated Crystallization. Journal of the American Chemical Society, 2007, 129, 3729-3736.	6.6	240

#	ARTICLE	IF	CITATIONS
127	Template-Directed Control of Crystal Morphologies. <i>Macromolecular Bioscience</i> , 2007, 7, 152-162.	2.1	44
128	Growth of single crystals in structured templates. <i>Journal of Materials Chemistry</i> , 2006, 16, 408-416.	6.7	41
129	Crystallization on Surfaces of Well-Defined Topography. <i>Langmuir</i> , 2006, 22, 1955-1958.	1.6	36
130	Macroporous inorganic solids from a biomineral template. <i>Journal of Crystal Growth</i> , 2006, 294, 69-77.	0.7	47
131	Bioinspired Polymer-Inorganic Hybrid Materials. <i>Advanced Materials</i> , 2006, 18, 2270-2273.	11.1	33
132	Precipitation of Calcium Carbonate in Confinement. <i>Advanced Functional Materials</i> , 2004, 14, 1211-1220.	7.8	145
133	Shape-constraint as a route to calcite single crystals with complex morphologies. <i>Journal of Materials Chemistry</i> , 2004, 14, 2291.	6.7	71
134	Structural and physiological effects of calcium and magnesium in <i>Emiliana huxleyi</i> (Lohmann) Hay and Mohler. <i>Journal of Structural Biology</i> , 2004, 148, 307-314.	1.3	49
135	Calcium carbonate in biomineralisation and biomimetic chemistry. <i>International Materials Reviews</i> , 2003, 48, 187-224.	9.4	455
136	The role of magnesium in stabilising amorphous calcium carbonate and controlling calcite morphologies. <i>Journal of Crystal Growth</i> , 2003, 254, 206-218.	0.7	506
137	Study of Calcium Carbonate Precipitation under a Series of Fatty Acid Langmuir Monolayers Using Brewster Angle Microscopy. <i>Langmuir</i> , 2003, 19, 2830-2837.	1.6	110
138	Particles on Melt-Cut Mica Sheets Are Platinum. <i>Langmuir</i> , 2003, 19, 975-976.	1.6	21
139	Synthesis of controlled-structure sulfate-based copolymers via atom transfer radical polymerisation and their use as crystal habit modifiers for BaSO ₄ . <i>Journal of Materials Chemistry</i> , 2002, 12, 890-896.	6.7	79
140	Synthesis of Single Crystals of Calcite with Complex Morphologies. <i>Advanced Materials</i> , 2002, 14, 1167.	11.1	153
141	Control of calcium carbonate morphology by transformation of an amorphous precursor in a constrained volume. <i>Chemical Communications</i> , 2001, , 901-902.	2.2	114
142	A solvothermal route to capped nanoparticles of Fe_3O_4 and CoFe_2O_4 . <i>Journal of Materials Chemistry</i> , 2001, 11, 3215-3221.	6.7	87
143	A solvothermal route to capped CdSe nanoparticles. <i>Chemical Communications</i> , 2001, , 629-630.	2.2	58
144	Morphological influence of magnesium and organic additives on the precipitation of calcite. <i>Journal of Crystal Growth</i> , 2001, 231, 544-558.	0.7	257

#	ARTICLE	IF	CITATIONS
145	Bioskeletons as Templates for Ordered, Macroporous Structures. <i>Advanced Materials</i> , 2000, 12, 1149-1151.	11.1	74
146	Porous gold structures through templating by echinoid skeletal plates. <i>Chemical Communications</i> , 2000, , 29-30.	2.2	111
147	Formation of patterned PbS and ZnS films on self-assembled monolayers. <i>Thin Solid Films</i> , 1999, 348, 188-195.	0.8	43
148	Chemical deposition of PbS on a series of γ -functionalised self-assembled monolayers. <i>Journal of Materials Chemistry</i> , 1999, 9, 711-723.	6.7	37
149	Chemical Deposition of PbS on Self-Assembled Monolayers of 16-Mercaptohexadecanoic Acid. <i>Langmuir</i> , 1997, 13, 2033-2049.	1.6	93
150	Iron Biomineralization in the Poriferan <i>Ircinia Oros</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1995, 75, 993-996.	0.4	2
151	The Colloid Chemical Approach to Nanostructured Materials. <i>Advanced Materials</i> , 1995, 7, 607-632.	11.1	745
152	Reconstitution of manganese oxide cores in horse spleen and recombinant ferritins. <i>Journal of Inorganic Biochemistry</i> , 1995, 58, 59-68.	1.5	187
153	Epitaxial Growth of Size-Quantized Cadmium Sulfide Crystals Under Arachidic Acid Monolayers. <i>The Journal of Physical Chemistry</i> , 1995, 99, 5500-5504.	2.9	208
154	Formation of Thin Films of Platinum, Palladium, and Mixed Platinum: Palladium Nanocrystallites by the Langmuir Monolayer Technique. <i>Chemistry of Materials</i> , 1995, 7, 1112-1116.	3.2	27
155	Gold Particulate Film Formation under Monolayers. <i>The Journal of Physical Chemistry</i> , 1995, 99, 9869-9875.	2.9	42
156	Ultra-thin particulate films prepared from capped and uncapped reverse-micelle-entrapped silver particles. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 673.	1.7	12
157	Monoparticulate Layers of Titanium Dioxide Nanocrystallites with Controllable Interparticle Distances. <i>The Journal of Physical Chemistry</i> , 1994, 98, 8827-8830.	2.9	106
158	Utilization of Surfactant-Stabilized Colloidal Silver Nanocrystallites in the Construction of Mono- and Multiparticulate Langmuir-Blodgett Films. <i>Langmuir</i> , 1994, 10, 2035-2040.	1.6	114
159	Spreading of Clay Organocomplexes on Aqueous Solutions: Construction of Langmuir-Blodgett Clay Organocomplex Multilayer Films. <i>Langmuir</i> , 1994, 10, 3797-3804.	1.6	85
160	Influence of Membrane Composition on the Intravesicular Precipitation of Nanophase Gold Particles. <i>Journal of Colloid and Interface Science</i> , 1993, 161, 66-71.	5.0	28
161	Overproduction, purification and characterization of the <i>Escherichia coli</i> ferritin. <i>FEBS Journal</i> , 1993, 218, 985-995.	0.2	82
162	Two-dimensional silver electrocrystallization under monolayers spread on aqueous silver nitrate. <i>Langmuir</i> , 1993, 9, 3710-3716.	1.6	52

#	ARTICLE	IF	CITATIONS
163	Characterization of the manganese core of reconstituted ferritin by x-ray absorption spectroscopy. <i>Journal of the American Chemical Society</i> , 1993, 115, 8471-8472.	6.6	60
164	Biom mineralization: Biomimetic Potential at the Inorganic-Organic Interface. <i>MRS Bulletin</i> , 1992, 17, 32-36.	1.7	31
165	Synthesis of inorganic nanophase materials in supramolecular protein cages. <i>Nature</i> , 1991, 349, 684-687.	13.7	449
166	Controlled synthesis of inorganic materials using supramolecular assemblies. <i>Advanced Materials</i> , 1991, 3, 316-318.	11.1	60