Andrew Putnis

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Metamorphic Differentiation via Enhanced Dissolution along High Permeability Zones. Journal of Petrology, 2021, 61, .	2.8	4
2	Acceptance of the 2020 Roebling Medal of the Mineralogical Society of America. American Mineralogist, 2021, 106, 849-850.	1.9	0
3	Comparative analysis of copper dissolution and mineral transformations in coarse chalcopyrite for different oxidant/lixiviant systems at elevated temperature (110â€Â°C and 170â€Â°C). Hydrometallurgy, 2021, , 105700.	4.3	1
4	Preservation of granulite in a partially eclogitized terrane: Metastable phenomena or local pressure variations?. Lithos, 2021, 400-401, 106413.	1.4	12
5	Fluid–Mineral Interactions: Controlling Coupled Mechanisms of Reaction, Mass Transfer and Deformation. Journal of Petrology, 2021, 62, .	2.8	15
6	Microstructurally controlled trace element (Zr, U–Pb) concentrations in metamorphic rutile: An example from the amphibolites of the Bergen Arcs. Journal of Metamorphic Geology, 2020, 38, 103-127.	3.4	17
7	Effect of multistage solution–mineral contact in in-situ recovery for low-grade natural copper samples: Extraction, acid consumption, gangue-mineral changes and precipitation. Minerals Engineering, 2020, 159, 106616.	4.3	2
8	Apatite and monazite: An effective duo to unravel superimposed fluid-flow and deformation events in reactivated shear zones. Lithos, 2020, 376-377, 105752.	1.4	8
9	Replacement reactions of copper sulphides at moderate temperature in acidic solutions. Ore Geology Reviews, 2020, 123, 103569.	2.7	16
10	Kinetics and mineralogical analysis of copper dissolution from a bornite/chalcopyrite composite sample in ferric-chloride and methanesulfonic-acid solutions. Hydrometallurgy, 2019, 188, 140-156.	4.3	48
11	Stress orientation–dependent reactions during metamorphism. Geology, 2019, 47, 151-154.	4.4	25
12	Monazite as a monitor for meltâ€rock interaction during cooling and exhumation. Journal of Metamorphic Geology, 2019, 37, 415-438.	3.4	13
13	Timescales of geological processes: Preface. Geoscience Frontiers, 2019, 10, 1-3.	8.4	3
14	Direct Observation of Simultaneous Immobilization of Cadmium and Arsenate at the Brushite–Fluid Interface. Environmental Science & Technology, 2018, 52, 3493-3502.	10.0	21
15	Peridotite weathering is the missing ingredient of Earth's continental crust composition. Nature Communications, 2018, 9, 634.	12.8	36
16	Textural and chemical evolution of pyroxene during hydration and deformation: A consequence of retrograde metamorphism. Lithos, 2018, 296-299, 245-264.	1.4	18
17	Oxygen isotope analysis of olivine by ion microprobe: Matrix effects and applications to a serpentinised dunite. Chemical Geology, 2018, 499, 126-137.	3.3	19
18	Interfacial Precipitation of Phosphate on Hematite and Goethite. Minerals (Basel, Switzerland), 2018, 8, 207.	2.0	25

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19	Kinetic study of chalcopyrite dissolution with iron(III) chloride in methanesulfonic acid. Minerals Engineering, 2018, 125, 66-74.	4.3	40
20	The replacement of a carbonate rock by fluorite: Kinetics and microstructure. American Mineralogist, 2017, 102, 126-134.	1.9	25
21	Mineral Surface Rearrangement at High Temperatures: Implications for Extraterrestrial Mineral Grain Reactivity. ACS Earth and Space Chemistry, 2017, 1, 113-121.	2.7	7
22	Halide-Dependent Dissolution of Dicalcium Phosphate Dihydrate and Its Modulation by an Organic Ligand. Crystal Growth and Design, 2017, 17, 3868-3876.	3.0	2
23	In Situ Atomic Force Microscopy Imaging of Octacalcium Phosphate Crystallization and Its Modulation by Amelogenin's C-Terminus. Crystal Growth and Design, 2017, 17, 2194-2202.	3.0	14
24	Imaging Organophosphate and Pyrophosphate Sequestration on Brucite by in Situ Atomic Force Microscopy. Environmental Science & Technology, 2017, 51, 328-336.	10.0	21
25	Symplectite formation in the presence of a reactive fluid: insights from hydrothermal experiments. Journal of Metamorphic Geology, 2017, 35, 281-299.	3.4	23
26	Metamorphic Processes and Seismicity: the Bergen Arcs as a Natural Laboratory. Journal of Petrology, 2017, 58, 1871-1898.	2.8	36
27	Direct Observation of Spiral Growth, Particle Attachment, and Morphology Evolution of Hydroxyapatite. Crystal Growth and Design, 2016, 16, 4509-4518.	3.0	43
28	A potentiometric study of the performance of a commercial copolymer in the precipitation of scale forming minerals. CrystEngComm, 2016, 18, 5744-5753.	2.6	7
29	Exploring the effect of poly(acrylic acid) on pre- and post-nucleation BaSO ₄ species: new insights into the mechanisms of crystallization control by polyelectrolytes. CrystEngComm, 2016, 18, 2830-2842.	2.6	24
30	The role of reacting solution and temperature on compositional evolution during harzburgite alteration: Constraints from the Mesoarchean Nuasahi Massif (eastern India). Lithos, 2016, 256-257, 228-242.	1.4	4
31	Porosity generated during the fluid-mediated replacement of calcite by fluorite. CrystEngComm, 2016, 18, 6867-6874.	2.6	14
32	Mass transfer and trace element redistribution during hydration of granulites in the Bergen Arcs, Norway. Lithos, 2016, 262, 1-10.	1.4	19
33	The pseudomorphic replacement of marble by apatite: The role of fluid composition. Chemical Geology, 2016, 425, 1-11.	3.3	27
34	Control of silicate weathering by interface-coupled dissolution-precipitation processes at the mineral-solution interface. Geology, 2016, 44, 567-570.	4.4	68
35	Disequilibrium metamorphism of stressed lithosphere. Earth-Science Reviews, 2016, 154, 1-13.	9.1	58
36	Visualizing Organophosphate Precipitation at the Calcite–Water Interface by in Situ Atomic-Force Microscopy. Environmental Science & Technology, 2016, 50, 259-268.	10.0	15

ARTICLE IF CITATIONS Formation of Mg-rich Olivine Pseudomorphs in Serpentinized Dunite from the Mesoarchean Nuasahi Massif, Eastern India: Insights into the Evolution of Fluid Composition at the Mineral–Fluid Interface. 2.8 Journal of Petrology, 2016, 57, 3-26. 1. Transient Porosity Resulting from Fluidâ€"Mineral Interaction and its Consequences. , 2015, , 1-24. 38 1 Sharpened interface. Nature Materials, 2015, 14, 261-262. 27.5 Mechanistic Principles of Barite Formation: From Nanoparticles to Micron-Sized Crystals. Crystal 40 3.0 43 Growth and Design, 2015, 15, 3724-3733. Experimental study of the replacement of calcite by calcium sulphates. Geochimica Et Cosmochimica Acta, 2015, 156, 75-93. In situ Imaging of Interfacial Precipitation of Phosphate on Goethite. Environmental Science & amp; 42 10.0 56 Technology, 2015, 49, 4184-4192. Distribution of halogens between fluid and apatite during fluid-mediated replacement processes. 120 Geochimica Et Cosmochimica Acta, 2015, 170, 225-246. Coupled mass transfer through a fluid phase and volume preservation during the hydration of 1.4 44 32 granulite: An example from the Bergen Arcs, Norway. Lithos, 2015, 236-237, 245-255. Transient Porosity Resulting from Fluid–Mineral Interaction and its Consequences. Reviews in 4.8 102 Mineralogy and Geochemistry, 2015, 80, 1-23. 46 The influence of pH on barite nucleation and growth. Chemical Geology, 2015, 391, 7-18. 3.3 48 The effect of a copolymer inhibitor on baryte precipitation. Mineralogical Magazine, 2014, 78, 1423-1430. 1.4 Surface-specific measurements of olivine dissolution by phase-shift interferometry. American 48 1.9 22 Mineralogist, 2014, 99, 377-386. Why Mineral Interfaces Matter. Science, 2014, 343, 1441-1442. 12.6 159 The role of grain boundaries and transient porosity in rocks as fluid pathways for reaction front 50 4.4 68 propagation. Earth and Planetary Science Letters, 2014, 386, 64-74. Textural Evolution of Plagioclase Feldspar across a Shear Zone: Implications for Deformation 2.8 Mechanism and Rock Strength. Journal of Petrology, 2014, 55, 1457-1477. Forming Cohesive Calcium Oxalate Layers on Marble Surfaces for Stone Conservation. Crystal 52 3.0 27 Growth and Design, 2014, 14, 3910-3917. Coupled dissolution and precipitation at mineralâ€"fluid interfaces. Chemical Geology, 2014, 383, 132-146. 3.3 290 Replacement and ion exchange reactions of scolecite in a high pH aqueous solution. European Journal 54 1.310 of Mineralogy, 2014, 26, 61-69.

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55	Pseudomorphic replacement of diopside during interaction with (Ni,Mg)Cl2 aqueous solutions: Implications for the Ni-enrichment mechanism in talc- and serpentine-type phases. Chemical Geology, 2014, 380, 27-40.	3.3	14
56	Modelling the effects of salt solutions on the hydration of calcium ions. Physical Chemistry Chemical Physics, 2014, 16, 7772-7785.	2.8	54
57	Influence of temperature and Cl on the hydrothermal replacement of calcite by apatite and the development of porous microstructures. American Mineralogist, 2013, 98, 1516-1525.	1.9	16
58	Nanoscale Observations of Magnesite Growth in Chloride- And Sulfate-Rich Solutions. Environmental Science & Technology, 2013, 47, 130722083055001.	10.0	7
59	Influence of chemical and structural factors on the calcite–calcium oxalate transformation. CrystEngComm, 2013, 15, 9968.	2.6	22
60	An atomic force microscopy study of the dissolution of calcite in the presence of phosphate ions. Geochimica Et Cosmochimica Acta, 2013, 117, 115-128.	3.9	42
61	Coupled Dissolution and Precipitation at the Cerussite-Phosphate Solution Interface: Implications for Immobilization of Lead in Soils. Environmental Science & Technology, 2013, 47, 13502-13510.	10.0	29
62	Dissolution and Carbonation of Portlandite [Ca(OH) ₂] Single Crystals. Environmental Science & Technology, 2013, 47, 11342-11349.	10.0	105
63	Mechanisms of Metasomatism and Metamorphism on the Local Mineral Scale: The Role of Dissolution-Reprecipitation During Mineral Re-equilibration. Lecture Notes in Earth System Sciences, 2013, , 141-170.	0.6	24
64	Hydrothermal replacement of Aragonite by Calcite: interplay between replacement, fracturing and growth. European Journal of Mineralogy, 2013, 25, 123-136.	1.3	39
65	Mechanism of leached layer formation during chemical weathering of silicate minerals. Geology, 2012, 40, 947-950.	4.4	127
66	Kinetics of Calcium Phosphate Nucleation and Growth on Calcite: Implications for Predicting the Fate of Dissolved Phosphate Species in Alkaline Soils. Environmental Science & Technology, 2012, 46, 834-842.	10.0	92
67	In situ nanoscale observations of the dissolution of dolomite cleavage surfaces. Geochimica Et Cosmochimica Acta, 2012, 80, 1-13.	3.9	53
68	Metasomatic Formation and Replacement of Apatite (Bamble Sector, South Norway). , 2012, , 163-170.		0
69	Posner's cluster revisited: direct imaging of nucleation and growth of nanoscale calcium phosphate clusters at the calcite-water interface. CrystEngComm, 2012, 14, 6252.	2.6	71
70	Direct observations of the modification of calcite growth morphology by Li+ through selectively stabilizing an energetically unfavourable face. CrystEngComm, 2011, 13, 3962.	2.6	20
71	Experimental investigations into the silicification of olivine: Implications for the reaction mechanism and acid neutralization. American Mineralogist, 2011, 96, 1503-1511.	1.9	58
72	Mineral replacement reactions in solid solution-aqueous solution systems: Volume changes, reactions paths and end-points using the example of model salt systems. Numerische Mathematik, 2011, 311, 211-236.	1.4	72

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73	Ion-specific effects on the kinetics of mineral dissolution. Chemical Geology, 2011, 281, 364-371.	3.3	64
74	Effect of pH on calcite growth at constant ratio and supersaturation. Geochimica Et Cosmochimica Acta, 2011, 75, 284-296.	3.9	84
75	Polycrystalline apatite synthesized by hydrothermal replacement of calcium carbonates. Geochimica Et Cosmochimica Acta, 2011, 75, 3486-3500.	3.9	65
76	Specific effects of background electrolytes on the kinetics of step propagation during calcite growth. Geochimica Et Cosmochimica Acta, 2011, 75, 3803-3814.	3.9	57
77	Experimental study of the aragonite to calcite transition in aqueous solution. Geochimica Et Cosmochimica Acta, 2011, 75, 6211-6224.	3.9	72
78	Processes of oxidation and HCI-leaching of Tellnes ilmenite. Hydrometallurgy, 2011, 109, 194-201.	4.3	26
79	The mechanism of the hydrothermal alteration of cerium- and plutonium-doped zirconolite. Journal of Nuclear Materials, 2011, 410, 10-23.	2.7	30
80	The replacement of plagioclase feldspars by albite: observations from hydrothermal experiments. Contributions To Mineralogy and Petrology, 2010, 159, 43-59.	3.1	169
81	Crystal growth of apatite by replacement of an aragonite precursor. Journal of Crystal Growth, 2010, 312, 2431-2440.	1.5	47
82	AFM study of the epitaxial growth of brushite (CaHPO4{middle dot}2H2O) on gypsum cleavage surfaces. American Mineralogist, 2010, 95, 1747-1757.	1.9	19
83	Where on Earth has our water come from?. Chemical Communications, 2010, 46, 8923.	4.1	27
84	Strain-Induced Segmentation of Magnesian Calcite Thin Films Growing on a Calcite Substrate. Crystal Growth and Design, 2010, 10, 4319-4326.	3.0	22
85	Effect of Secondary Phase Formation on the Carbonation of Olivine. Environmental Science & Technology, 2010, 44, 6503-6509.	10.0	126
86	Crystal Growth and Dissolution of Calcite in the Presence of Fluoride Ions: An Atomic Force Microscopy Study. Crystal Growth and Design, 2010, 10, 60-69.	3.0	30
87	Interactions between Organophosphonate-Bearing Solutions and (101ì4) Calcite Surfaces: An Atomic Force Microscopy and First-Principles Molecular Dynamics Study. Crystal Growth and Design, 2010, 10, 3022-3035.	3.0	25
88	The experimental replacement of ilmenite by rutile in HCl solutions. Mineralogical Magazine, 2010, 74, 633-644.	1.4	53
89	Replacement Processes in the Earth's Crust. Elements, 2010, 6, 159-164.	0.5	175
90	Aqueous corrosion of borosilicate glass under acidic conditions: A new corrosion mechanism. Journal of Non-Crystalline Solids, 2010, 356, 1458-1465.	3.1	190

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91	Kinetics of crystal nucleation in ionic solutions: Electrostatics and hydration forces. Geochimica Et Cosmochimica Acta, 2010, 74, 469-481.	3.9	46
92	The role of background electrolytes on the kinetics and mechanism of calcite dissolution. Geochimica Et Cosmochimica Acta, 2010, 74, 1256-1267.	3.9	128
93	Computer simulations of water interactions with low-coordinated forsterite surface sites: Implications for the origin of water in the inner solar system. Earth and Planetary Science Letters, 2010, 300, 11-18.	4.4	68
94	The role of magnesium in the growth of calcite: An AFM study. Chemical Geology, 2010, 271, 52-58.	3.3	96
95	3. Mineral Replacement Reactions. , 2009, , 87-124.		71
96	The application of Lorentz transmission electron microscopy to the study of lamellar magnetism in hematite-ilmenite. American Mineralogist, 2009, 94, 262-269.	1.9	18
97	Intragranular replacement of chlorapatite by hydroxy-fluor-apatite during metasomatism. Lithos, 2009, 112, 236-246.	1.4	60
98	The mechanism of cation and oxygen isotope exchange in alkali feldspars under hydrothermal conditions. Contributions To Mineralogy and Petrology, 2009, 157, 65-76.	3.1	86
99	The Control of Solution Composition on Ligand-Promoted Dissolution: DTPAâ^Barite Interactions. Crystal Growth and Design, 2009, 9, 5266-5272.	3.0	14
100	Mechanism and kinetics of pseudomorphic mineral replacement reactions: A case study of the replacement of pentlandite by violarite. Geochimica Et Cosmochimica Acta, 2009, 73, 1945-1969.	3.9	193
101	The Complex Hydrothermal History of Granitic Rocks: Multiple Feldspar Replacement Reactions under Subsolidus Conditions. Journal of Petrology, 2009, 50, 967-987.	2.8	125
102	An Atomic Force Microscopy Study of the Growth of a Calcite Surface as a Function of Calcium/Total Carbonate Concentration Ratio in Solution at Constant Supersaturation. Crystal Growth and Design, 2009, 9, 4344-4350.	3.0	52
103	Zircon coronas around Fe–Ti oxides: a physical reference frame for metamorphic and metasomatic reactions. Contributions To Mineralogy and Petrology, 2008, 156, 517-527.	3.1	48
104	Pseudomorphic replacement of single calcium carbonate crystals by polycrystalline apatite. Mineralogical Magazine, 2008, 72, 77-80.	1.4	42
105	The mechanism and kinetics of DTPA-promoted dissolution of barite. Applied Geochemistry, 2008, 23, 2778-2788.	3.0	60
106	ALBITIZATION OF GRANITIC ROCKS: THE MECHANISM OF REPLACEMENT OF OLIGOCLASE BY ALBITE. Canadian Mineralogist, 2008, 46, 1401-1415.	1.0	130
107	The effect of specific background electrolytes on water structure and solute hydration: Consequences for crystal dissolution and growth. Geochimica Et Cosmochimica Acta, 2008, 72, 4476-4487.	3.9	102
108	Complex replacement patterns in garnets from Bergen Arcs eclogites: A combined EBSD and analytical TEM study. Chemie Der Erde, 2008, 68, 177-191.	2.0	32

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109	An Atomic Force Microscopy study of the growth of calcite in the presence of sodium sulfate. Chemical Geology, 2008, 253, 243-251.	3.3	56
110	The effect of fluid composition on the mechanism of the aragonite to calcite transition. Mineralogical Magazine, 2008, 72, 111-114.	1.4	26
111	Macro- to nanoscale study of the effect of aqueous sulphate on calcite growth. Mineralogical Magazine, 2008, 72, 141-144.	1.4	2
	Comment: Supersaturation in binary solid solution-Aqueous solution systems: (Comment on) Tj ETQq0 0 0 rgBT	/Overlock	10 Tf 50 632
112	Numerische Mathematik, 2007, 307, 1034-1045.	1.4	15
113	Mechanism of hydrothermal alteration of natural self-irradiated and synthetic crystalline titanate-based pyrochlore. Geochimica Et Cosmochimica Acta, 2007, 71, 3311-3322.	3.9	48
114	The effect of cation:anion ratio in solution on the mechanism of barite growth at constant supersaturation: Role of the desolvation process on the growth kinetics. Geochimica Et Cosmochimica Acta, 2007, 71, 5168-5179.	3.9	105
115	The mechanism of reequilibration of solids in the presence of a fluid phase. Journal of Solid State Chemistry, 2007, 180, 1783-1786.	2.9	328
116	Hematite in porous red-clouded feldspars: Evidence of large-scale crustal fluid–rock interaction. Lithos, 2007, 95, 10-18.	1.4	114
117	Order/disorder phase transition in cordierite and its possible relationship to the development of symplectite reaction textures in granulites. Petrology, 2007, 15, 427-440.	0.9	6
118	Crystallisation of sodium sulfate: supersaturation and metastable phases. Environmental Geology, 2007, 52, 329-337.	1.2	44
119	Static lattice energy calculations of mixing and ordering enthalpy in binary carbonate solid solutions. Chemical Geology, 2006, 225, 304-313.	3.3	24
120	Nanoscale phenomena during the growth of solid solutions on calcite {101Â ⁻ 4} surfaces. Chemical Geology, 2006, 225, 322-335.	3.3	44
121	Transformation of pentlandite to violarite under mild hydrothermal conditions. American Mineralogist, 2006, 91, 706-709.	1.9	56
122	Nano-cluster composite structure of calcitic sponge spicules—A case study of basic characteristics of biominerals. Journal of Inorganic Biochemistry, 2006, 100, 88-96.	3.5	118
123	Infrared spectroscopy of superionic conductor LiNaSO4: Vibrational modes and thermodynamics. Solid State Ionics, 2006, 177, 37-43.	2.7	18
124	Monte Carlo simulation of mixing in Ca3Fe2Ge3O12–Ca4Ge4O12 garnets and implications for the thermodynamic stability of pyrope–majorite solid solution. Physics and Chemistry of Minerals, 2006, 33, 533-544.	0.8	3
125	Thermodynamics of pyrope–majorite, Mg3Al2Si3O12–Mg4Si4O12, solid solution from atomistic model calculations. Molecular Simulation, 2006, 32, 85-99.	2.0	31
126	DISSOLUTION OF URANYL-OXIDE-HYDROXY-HYDRATE MINERALS. I. CURITE. Canadian Mineralogist, 2006, 44, 415-431.	1.0	16

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127	Lamellar magnetism: effects of interface versus exchange interactions of nanoscale exsolutions in the ilmenite-hematite system. Journal of Physics: Conference Series, 2005, 17, 154-167.	0.4	16
128	Experimental hydrothermal alteration of crystalline and radiation-damaged pyrochlore. Journal of Nuclear Materials, 2005, 344, 17-23.	2.7	30
129	Crystal growth and dissolution processes at the calcite–water interface in the presence of zinc ions. Journal of Crystal Growth, 2005, 273, 535-545.	1.5	37
130	Epitaxial growth of celestite on barite (001) face at a molecular scale. Surface Science, 2005, 581, 225-235.	1.9	29
131	Nanoscale observations of the epitaxial growth of hashemite on barite (001). Surface Science, 2005, 590, 212-223.	1.9	34
132	Observation of nano-clustered calcite growth via a transient phase mediated by organic polyanions: A close match for biomineralization. American Mineralogist, 2005, 90, 1213-1217.	1.9	84
133	Direct observation of heavy metal-mineral association from the Clark Fork River Superfund Complex: Implications for metal transport and bioavailability. Geochimica Et Cosmochimica Acta, 2005, 69, 1651-1663.	3.9	169
134	Experimental observation of an interface-controlled pseudomorphic replacement reaction in a natural crystalline pyrochlore. American Mineralogist, 2005, 90, 1683-1687.	1.9	45
135	Direct observation of spinodal decomposition in the magnetite-hercynite system by susceptibility measurements and transmission electron microscopy. American Mineralogist, 2005, 90, 1278-1283.	1.9	20
136	Environmentally important, poorly crystalline Fe/Mn hydrous oxides: Ferrihydrite and a possibly new vernadite-like mineral from the Clark Fork River Superfund Complex. American Mineralogist, 2005, 90, 718-724.	1.9	101
137	Thermodynamics of mixing and ordering in pyrope — grossular solid solution. Mineralogical Magazine, 2004, 68, 101-121.	1.4	41
138	A kinetic study of the exsolution of pentlandite (Ni, Fe)9S8from the monosulfide solid solution (Fe,) Tj ETQq0 0 C) rgBT /Ov	erlggk 10 Tf 5
139	Periodic precipitation pattern formation in hydrothermally treated metamict zircon. American Mineralogist, 2004, 89, 1341-1347.	1.9	31
140	Off-axis electron holography of magnetic nanowires and chains, rings, and planar arrays of magnetic nanoparticles. Microscopy Research and Technique, 2004, 64, 390-402.	2.2	106
141	An atomic force microscopy and molecular simulations study of the inhibition of barite growth by phosphonates. Surface Science, 2004, 553, 61-74.	1.9	48
142	Nanoscale observations of the effect of cobalt on calcite growth and dissolution. Journal of Crystal Growth, 2004, 267, 288-300.	1.5	34
143	Low-temperature aqueous alteration of crystalline pyrochlore: correspondence between nature and experiment. Mineralogical Magazine, 2004, 68, 905-922.	1.4	38
144	The growth mechanisms of solid solutions crystallising from aqueous solutions. Chemical Geology, 2004, 204, 145-161.	3.3	31

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145	Effects of nanoscale exsolution in hematite–ilmenite on the acquisition of stable natural remanent magnetization. Earth and Planetary Science Letters, 2004, 224, 461-475.	4.4	39
146	High-resolution and energy-filtered TEM of the interface between hematite and ilmenite exsolution lamellae: Relevance to the origin of lamellar magnetism. American Mineralogist, 2004, 88, 1190-1196.	1.9	18
147	Nanoscale growth of solids crystallising from multicomponent aqueous solutions. Surface Science, 2003, 545, L767-L773.	1.9	45
148	Laterally resolved EELS for ELNES mapping of the Fe L2,3- and O K-edge. Ultramicroscopy, 2003, 96, 573-582.	1.9	22
149	Supersaturation functions in binary solid solution–aqueous solution systems. Geochimica Et Cosmochimica Acta, 2003, 67, 1601-1608.	3.9	46
150	Metastable phenomena on calcite {101Ì"4} surfaces growing from Sr2+–Ca2+–CO32â^ aqueous solutions. Chemical Geology, 2003, 193, 93-107.	3.3	54
151	Interaction of Calcium Carbonates with Lead in Aqueous Solutions. Environmental Science & Technology, 2003, 37, 3351-3360.	10.0	155
152	Biomimetic control of crystal assembly by growth in an organic hydrogel network. American Mineralogist, 2003, 88, 647-652.	1.9	94
153	Nucleation of solid solutions crystallizing from aqueous solutions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 615-632.	3.4	21
154	New developments in mineral surface sciences. Journal of Mineralogical and Petrological Sciences, 2003, 98, 9-18.	0.9	1
155	Microscopic and spectroscopic investigation of the calcite surface interacted with Hg(II) in aqueous solutions. Mineralogical Magazine, 2003, 67, 1193-1204.	1.4	16
156	Selective attachment of monovalent background electrolyte ions and growth inhibitors to polar steps on sulfates as studied by molecular simulations and AFM observations. Molecular Simulation, 2002, 28, 607-632.	2.0	37
157	Direct imaging of nanoscale magnetic interactions in minerals. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16556-16561.	7.1	165
158	Mineral replacement reactions: from macroscopic observations to microscopic mechanisms. Mineralogical Magazine, 2002, 66, 689-708.	1.4	944
159	Phase transition behaviour and equilibrium phase relations in the fast-ion conductor system Na3PO4–Na2SO4. Physical Chemistry Chemical Physics, 2002, 4, 3252-3259.	2.8	31
160	The kinetics of nucleation of solid solutions from aqueous solutions: a new model for calculating non-equilibrium distribution coefficients. Geochimica Et Cosmochimica Acta, 2002, 66, 185-192.	3.9	59
161	Molecular-scale surface processes during the growth of calcite in the presence of manganese. Geochimica Et Cosmochimica Acta, 2002, 66, 3177-3189.	3.9	70
162	A triclinic phase of relaxor La-modified Pb(Zr0.65Ti0.35)O3 and its structure at 40 K by high-resolution neutron diffraction. Journal of Applied Physics, 2001, 90, 6321-6326.	2.5	12

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163	Anion Rotation and Cation Diffusion in Low-Temperature Sodium Orthophosphate:  Results from Solid-State NMR. Journal of Physical Chemistry A, 2001, 105, 6808-6816.	2.5	57
164	A two-dimensional spin model of Al/Si order in feldspars: visualization of short-range and long-range order. European Journal of Mineralogy, 2001, 13, 273-288.	1.3	8
165	Valence state mapping and quantitative electron spectroscopic imaging of exsolution in titanohematite by energy-filtered TEM. Physics and Chemistry of Minerals, 2001, 28, 119-129.	0.8	29
166	Analytical transmission electron microscopy of oscillatory zoned grandite garnets. Contributions To Mineralogy and Petrology, 2001, 141, 358-366.	3.1	20
167	Ionic conductivity and pressure dependence of trigonal-to-cubic phase transition in lithium sodium sulphate. Solid State Ionics, 2001, 143, 285-296.	2.7	39
168	Barite scale formation and dissolution at high ionic strength studied with atomic force microscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 191, 201-214.	4.7	89
169	Structural discontinuities in plagioclase and constraints on mixing properties of the low series: a computational study. Mineralogical Magazine, 2001, 65, 1-31.	1.4	11
170	Mineralogical problems in advanced power systems: The contribution of slag and gaseous chemical species to the fly ash. European Journal of Mineralogy, 2000, 12, 639-650.	1.3	4
171	Alkali retention in hot coal slag under controlled oxidizing gas atmospheres (air–CO2). Fuel Processing Technology, 2000, 68, 57-73.	7.2	11
172	Title is missing!. Aquatic Geochemistry, 2000, 6, 133-146.	1.3	35
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