

# Ross Angel

## List of Publications by Year in descending order

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250  
papers

11,540  
citations

28274

55  
h-index

36028

97  
g-index

261  
all docs

261  
docs citations

261  
times ranked

6434  
citing authors

#	ARTICLE	IF	CITATIONS
1	The contribution of elastic geothermobarometry to the debate on HP versus UHP metamorphism. <i>Journal of Metamorphic Geology</i> , 2022, 40, 229-242.	3.4	18
2	Inclusions in diamonds probe Earth's chemistry through deep time. <i>Communications Chemistry</i> , 2022, 5, .	4.5	3
3	Garnet EoS: a critical review and synthesis. <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, .	3.1	21
4	Using the elastic properties of zircon-garnet host-inclusion pairs for thermobarometry of the ultrahigh-pressure Dora-Maira whiteschists: problems and perspectives. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	17
5	Elastic Geobarometry for Anisotropic Inclusions in Anisotropic Host Minerals: Quartz in Zircon. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022080.	3.4	15
6	Elastic geobarometry: How to work with residual inclusion strains and pressures. <i>American Mineralogist</i> , 2021, 106, 1530-1533.	1.9	17
7	A Gr <sup>1/4</sup> neisen tensor for rutile and its application to host-inclusion systems. <i>American Mineralogist</i> , 2021, 106, 1586-1595.	1.9	6
8	A self-consistent approach to describe unit-cell-parameter and volume variations with pressure and temperature. <i>Journal of Applied Crystallography</i> , 2021, 54, 1621-1630.	4.5	4
9	Fossil subduction recorded by quartz from the coesite stability field. <i>Geology</i> , 2020, 48, 24-28.	4.4	56
10	Quartz metastability at high pressure: what new can we learn from polarized Raman spectroscopy?. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	15
11	“EosFit-Pinc: A simple GUI for host-inclusion elastic thermobarometry” Reply to Zhong et al.. <i>American Mineralogist</i> , 2020, , .	1.9	1
12	Commentary on “Constraints on the Equations of State of stiff anisotropic minerals: rutile, and the implications for rutile elastic barometry” [ <i>Miner. Mag</i> (2019) pp. 339–347]. <i>Mineralogical Magazine</i> , 2020, 84, 355-357.	1.4	6
13	Using polarized Raman spectroscopy to study the stress gradient in mineral systems with anomalous birefringence. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	9
14	Elastic geobarometry for anisotropic inclusions in cubic hosts. <i>Lithos</i> , 2019, 350-351, 105218.	1.4	27
15	Limits to the Validity of Thermal-Pressure Equations of State. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 562.	2.0	13
16	Assessment of the reliability of elastic geobarometry with quartz inclusions. <i>Lithos</i> , 2019, 350-351, 105201.	1.4	45
17	The pressure-induced phase transition(s) of $\text{ZrSiO}_4$ : revised. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 807-814.	0.8	16
18	New insights into the zircon-reidite phase transition. <i>American Mineralogist</i> , 2019, 104, 830-837.	1.9	21

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19	Constraints on the Equations of State of stiff anisotropic minerals: rutile, and the implications for rutile elastic barometry. <i>Mineralogical Magazine</i> , 2019, 83, 339-347.	1.4	11
20	Crystallographic orientations of magnesiochromite inclusions in diamonds: what do they tell us?. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	19
21	The effects of non-hydrostatic stress on the structure and properties of alpha-quartz. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 487-499.	0.8	27
22	Stress, strain and Raman shifts. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2019, 234, 129-140.	0.8	83
23	The true structural relationship between zircon and scheelite structure types, and a new polymorph of zircon. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e254-e254.	0.1	0
24	Ab initio simulation and X-ray diffraction measurements of deviatoric stress in mineral inclusions. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e261-e261.	0.1	0
25	40 years of mineral elasticity: a critical review and a new parameterisation of equations of state for mantle olivines and diamond inclusions. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 95-113.	0.8	49
26	How geometry and anisotropy affect residual strain in host-inclusion systems: Coupling experimental and numerical approaches. <i>American Mineralogist</i> , 2018, 103, 2032-2035.	1.9	58
27	Raman Elastic Geobarometry For Anisotropic Mineral Inclusions. <i>American Mineralogist</i> , 2018, , .	1.9	18
28	Elastic geothermobarometry: Corrections for the geometry of the host-inclusion system. <i>Geology</i> , 2018, 46, 231-234.	4.4	81
29	The fate of garnet during (deep-seated) coseismic frictional heating: The role of thermal shock. <i>Geology</i> , 2018, 46, 471-474.	4.4	25
30	Radiation-damaged zircon under high pressures. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 981-993.	0.8	20
31	Thermo-elastic behavior of grossular garnet at high pressures and temperatures. <i>American Mineralogist</i> , 2017, 102, 851-859.	1.9	38
32	Accurate structures and energetics of neutral-framework zeotypes from dispersion-corrected DFT calculations. <i>Journal of Chemical Physics</i> , 2017, 146, 174111.	3.0	30
33	EosFit-Pinc: A simple GUI for host-inclusion elastic thermobarometry. <i>American Mineralogist</i> , 2017, 102, 1957-1960.	1.9	94
34	A simple and generalised P-T-V EoS for continuous phase transitions, implemented in EosFit and applied to quartz. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	3.1	75
35	Ferroelasticity in palmierite-type $(\text{Pb}_{3-x}\text{AsO}_4)_2$ . <i>Journal of Physics Condensed Matter</i> , 2017, 29, 213001.	1.8	1
36	EosFit7-GUI: a new graphical user interface for equation of state calculations, analyses and teaching. <i>Journal of Applied Crystallography</i> , 2016, 49, 1377-1382.	4.5	329

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37	Extending the single-crystal quartz pressure gauge up to hydrostatic pressure of 19â€¦GPa. <i>Journal of Applied Crystallography</i> , 2016, 49, 2129-2137.	4.5	36
38	The elastic tensor of monoclinic alkali feldspars. <i>American Mineralogist</i> , 2016, 101, 1228-1231.	1.9	33
39	Crystallographic orientations of olivine inclusions in diamonds. <i>Lithos</i> , 2016, 265, 312-316.	1.4	21
40	Depth of formation of CaSiO <sub>3</sub> -wastromite included in super-deep diamonds. <i>Lithos</i> , 2016, 265, 138-147.	1.4	55
41	Experimental and <i>ab Initio</i> Study of Catena(bis(1/4<sub>2</sub>-iodo)-6-methylquinoline-copper(II)) under Pressure: Synthesis, Crystal Structure, Electronic, and Luminescence Properties. <i>Inorganic Chemistry</i> , 2016, 55, 7476-7484.	4.0	27
42	A century of mineral structures: How well do we know them?. <i>American Mineralogist</i> , 2016, 101, 1036-1045.	1.9	27
43	First evidence of hydrous silicic fluid films around solid inclusions in gem-quality diamonds. <i>Lithos</i> , 2016, 260, 384-389.	1.4	61
44	High-quality structures at high pressure? Insights from inclusions in diamonds. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2016, 231, 467-473.	0.8	7
45	Elasticity of plagioclase feldspars. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 663-675.	3.4	76
46	Kumdykolite, kokchetavite, and cristobalite crystallized in nanogranites from felsic granulites, Orlica-Snieznik Dome (Bohemian Massif): not evidence for ultrahigh-pressure conditions. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	45
47	Anisotropy of magnetic susceptibility in alkali feldspar and plagioclase. <i>Geophysical Journal International</i> , 2016, 205, 479-489.	2.4	20
48	How large are departures from lithostatic pressure? Constraints from hostâ€“inclusion elasticity. <i>Journal of Metamorphic Geology</i> , 2015, 33, 801-813.	3.4	84
49	A new micro-furnace for in situ high-temperature single-crystal X-ray diffraction measurements. <i>Journal of Applied Crystallography</i> , 2015, 48, 1192-1200.	4.5	3
50	Pressure-induced transformation processes in ferroelastic Pb<sub>3</sub>(P<sub>1</sub>â€“ <i>x</i> )Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 <i>Kristallographie - Crystalline Materials</i> , 2015, 230, 593-603.	0.8	4
51	<i>OrientXplot</i> : a program to analyse and display relative crystal orientations. <i>Journal of Applied Crystallography</i> , 2015, 48, 1330-1334.	4.5	20
52	Diamond thermoelastic properties and implications for determining the pressure of formation of diamondâ€“inclusion systems. <i>Russian Geology and Geophysics</i> , 2015, 56, 211-220.	0.7	54
53	Olivine with diamond-imposed morphology included in diamonds. Syngensis or protogenesis?. <i>International Geology Review</i> , 2014, 56, 1658-1667.	2.1	59
54	Geobarometry from host-inclusion systems: The role of elastic relaxation. <i>American Mineralogist</i> , 2014, 99, 2146-2149.	1.9	119

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55	EosFit7c and a Fortran module (library) for equation of state calculations. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, 405-419.	0.8	410
56	Simulation of the hydration kinetics and elastic moduli of cement mortars by microstructural modelling. Cement and Concrete Composites, 2014, 52, 54-63.	10.7	26
57	High-pressure X-ray study of LiCrSi <sub>2</sub> O <sub>6</sub> clinopyroxene and the general compressibility trends for Li-clinopyroxenes. Physics and Chemistry of Minerals, 2013, 40, 387-399.	0.8	4
58	Chemically induced renormalization phenomena in Pb-based relaxor ferroelectrics under high pressure. Journal of Physics Condensed Matter, 2013, 25, 115403.	1.8	10
59	<i>ABSORB-7</i> and <i>ABSORB-GUI</i> for single-crystal absorption corrections. Journal of Applied Crystallography, 2013, 46, 252-254.	4.5	54
60	High-pressure Brillouin scattering of the single-crystal PbSc <sub>1/2</sub> Ta <sub>1/2</sub> O <sub>3</sub> relaxor ferroelectric. Physical Review B, 2013, 87, .	3.2	3
61	Pressure impact on the structure, elasticity, and electron density distribution of CaSi <sub>2</sub> O <sub>7</sub> . Physical Review B, 2013, 87, .	3.2	8
62	Pressure-induced structural transformations in advanced ferroelectrics with relaxor behaviour. High Pressure Research, 2013, 33, 595-606.	1.2	8
63	Fe <sub>4</sub> O <sub>5</sub> and its solid solutions in several simple systems. Contributions To Mineralogy and Petrology, 2013, 166, 1677-1686.	3.1	23
64	Structural controls on the anisotropy of tetrahedral frameworks: the example of monoclinic feldspars. European Journal of Mineralogy, 2013, 25, 597-614.	1.3	20
65	Nanogranite inclusions in migmatitic garnet: behavior during piston-cylinder remelting experiments. Geofluids, 2013, 13, 405-420.	0.7	54
66	Re-investigation of the crystal structure of enstatite under high-pressure conditions. American Mineralogist, 2012, 97, 1741-1748.	1.9	16
67	Acceptance of the Dana Medal of the Mineralogical Society of America for 2011. American Mineralogist, 2012, 97, 1011-1012.	1.9	0
68	Minerals and materials at high pressures: the challenges of complexity. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, s6-s6.	0.3	0
69	Diamonds, the mantle petrologist's best friends. European Journal of Mineralogy, 2012, 24, 561-562.	1.3	2
70	The role of lone pairs in the ferroelastic phase transition in the palmierite-type lead phosphate-arsenate solid solution. Zeitschrift Fur Kristallographie - Crystalline Materials, 2012, 227, 585-593.	0.8	2
71	Properties of atoms under pressure: Bonded interactions of the atoms in three perovskites. Journal of Chemical Physics, 2012, 137, 164313.	3.0	12
72	The thermodynamics of the P phase transition in Ca-rich plagioclase from an assessment of the spontaneous strain. Physics and Chemistry of Minerals, 2012, 39, 699-712.	0.8	8

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73	Structural systematics of spinel and spinelloid phases in the system $MFe_2O_4$ - $M_2SiO_4$ with $M = Fe^{2+}$ and Mg. European Journal of Mineralogy, 2012, 24, 657-668.	1.3	5
74	The high pressure behaviour of the 3D copper carbonate framework $\{[Cu(CO_3)_2](CH_6N_3)_2\}_n$ . Journal of Materials Chemistry, 2012, 22, 2074-2080.	6.7	14
75	High-pressure behavior of zoisite. American Mineralogist, 2012, 97, 1165-1176.	1.9	10
76	Tilts and tetrahedra: The origin of the anisotropy of feldspars. American Mineralogist, 2012, 97, 765-778.	1.9	39
77	Pressure-induced structural transformations in pure and Bi-doped $0.9PbZn_{1-x}Nb_xO_3$ . Physical Review B, 2012, 85, .	3.2	13
78	Comparison between beryllium and diamond-backing plates in diamond-anvil cells: Application to single-crystal x-ray diffraction high-pressure data. Review of Scientific Instruments, 2011, 82, 055111.	1.3	14
79	Thermodynamic properties of $MgSiO_3$ majorite and phase transitions near 660 km depth in $MgSiO_3$ and $Mg_2SiO_4$ : A first principles study. Journal of Geophysical Research, 2011, 116, .	3.3	41
80	The structural state of lead-based relaxor ferroelectrics under pressure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1905-1913.	3.0	17
81	Effect of La doping on the ferroic order in Pb-based perovskite-type relaxor ferroelectrics. Physical Review B, 2011, 83, .	3.2	24
82	Structural state of relaxor ferroelectrics $PbSc_{0.5}Ta_{0.5}O_3$ . Physical Review B, 2011, 83, .	3.2	20
83	Transformation processes in relaxor ferroelectric $PbSc_{0.5}Ta_{0.5}O_3$ heavily doped with Nb and Sn. Zeitschrift für Kristallographie, 2011, 226, 126-137.	1.1	42
84	Thermoelastic and thermodynamic properties of plagioclase feldspars from thermal expansion measurements. American Mineralogist, 2011, 96, 992-1002.	1.9	28
85	<i>SINGLE</i> : a program to control single-crystal diffractometers. Journal of Applied Crystallography, 2011, 44, 247-251.	4.5	119
86	Detailed study of the phase transition in $[Ni(H_2O)_6](NO_3)_2 \cdot (15\text{-crown-5}) \cdot H_2O$ and analysis in terms of mean-field theory. Acta Crystallographica Section B: Structural Science, 2011, 67, 130-143.	1.8	3
87	Octahedral tilts, symmetry-adapted displacive modes and polyhedral volume ratios in perovskite structures. Acta Crystallographica Section B: Structural Science, 2011, 67, 302-314.	1.8	26
88	High-pressure powder neutron diffraction study on lead scandium niobate. Journal of Physics Condensed Matter, 2011, 23, 035902.	1.8	16
89	High-pressure structural evolution and equation of state of analbite. American Mineralogist, 2011, 96, 383-392.	1.9	14
90	High-pressure crystal structure of elastically isotropic $CaTiO_3$ perovskite under hydrostatic and non-hydrostatic conditions. Journal of Physics Condensed Matter, 2011, 23, 455401.	1.8	12

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91	Phase stability, elastic behavior, and pressure-induced structural evolution of kalsilite: A ceramic material and high-T/high-P mineral. <i>American Mineralogist</i> , 2011, 96, 1363-1372.	1.9	16
92	The structural variation of rhombohedral $\text{LaAlO}_3$ perovskite under non-hydrostatic stress fields in a diamond-anvil cell. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 175901.	1.8	5
93	P21/c2C2/c phase transition in clinopyroxenes and the geodynamic implications. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s42-s43.	0.3	0
94	The effect of Al/Si disorder on the bulk moduli of plagioclase feldspars. <i>Mineralogical Magazine</i> , 2010, 74, 943-950.	1.4	8
95	Antigorite equation of state and anomalous softening at 6 GPa: an in situ single-crystal X-ray diffraction study. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 33-43.	3.1	41
96	Thermal expansion of plagioclase feldspars. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 899-908.	3.1	83
97	Parametric Rietveld refinement for the evaluation of powder diffraction patterns collected as a function of pressure. <i>Journal of Applied Crystallography</i> , 2010, 43, 504-510.	4.5	10
98	Effects of deviatoric stresses in the diamond-anvil pressure cell on single-crystal samples. <i>Journal of Applied Crystallography</i> , 2010, 43, 743-751.	4.5	27
99	Octahedral tilting in Pb-based relaxor ferroelectrics at high pressure. <i>Acta Crystallographica Section B: Structural Science</i> , 2010, 66, 280-291.	1.8	27
100	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{A} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -site doping-induced renormalization of structural transformations in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{PbSc} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.5 \langle \text{mml:mrow} \rangle$ Physical Review B, 2010, 81, .	3.2	15
101	First principles study of thermodynamics and phase transition in low-pressure ( $P_1$ ) and high-pressure ( $P_2$ ) clinoenstatite $\text{MgSiO}_3$ . <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	17
102	Low-temperature behavior of natural kalsilite with $P3_1c$ symmetry: An in situ single-crystal X-ray diffraction study. <i>American Mineralogist</i> , 2010, 95, 1027-1034.	1.9	5
103	High-pressure behavior of Ca/Na clinopyroxenes: The effect of divalent and trivalent 3d-transition elements. <i>American Mineralogist</i> , 2010, 95, 832-838.	1.9	18
104	Crystal chemistry and low-temperature behavior of datolite: A single-crystal X-ray diffraction study. <i>American Mineralogist</i> , 2010, 95, 1413-1421.	1.9	23
105	The response of frameworks to $P$ and $T$ : of tilts and tetrahedra in feldspars. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s45-s45.	0.3	0
106	Comparison of HP data for X-ray diffraction in Be and diamond-backed DACs. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s189-s190.	0.3	0
107	Pressure-induced phase transformations in lead-based relaxor ferroelectrics. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s52-s52.	0.3	0
108	Effect of Ba incorporation on pressure-induced structural changes in the relaxor ferroelectric $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{PbSc} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.5 \langle \text{mml:mrow} \rangle$ Physical Review B, 2009, 80, .	3.2	16

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109	Equation of state and structure of prehnite to 9.8 GPa. <i>European Journal of Mineralogy</i> , 2009, 21, 561-570.	1.3	8
110	Spontaneous strain variations through the low-temperature displacive phase transition of LiGaSi <sub>2</sub> O <sub>6</sub> clinopyroxene. <i>European Journal of Mineralogy</i> , 2009, 21, 599-614.	1.3	18
111	Elasticity measurements on minerals: a review. <i>European Journal of Mineralogy</i> , 2009, 21, 525-550.	1.3	56
112	High-pressure crystallography of rhombohedral PrAlO <sub>3</sub> perovskite. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 235403.	1.8	18
113	Pressure-Induced Cooperative Bond Rearrangement in a Zinc Imidazolate Framework: A High-Pressure Single-Crystal X-Ray Diffraction Study. <i>Journal of the American Chemical Society</i> , 2009, 131, 4022-4026.	13.7	148
114	The effect of oxygen vacancies and aluminium substitution on the high-pressure properties of brownmillerite-structured Ca <sub>2</sub> Fe <sub>2</sub> xAl <sub>x</sub> O <sub>5</sub> . <i>Physics and Chemistry of Minerals</i> , 2008, 35, 493-504.	0.8	11
115	Disorder and pseudo-symmetry in octakis(trivinylsilyl)octasilicate. <i>Acta Crystallographica Section B: Structural Science</i> , 2008, 64, 330-337.	1.8	5
116	Pressure-Induced Phase Transition in $PbSc_{0.5}TaO_3$ as a Model Pb-Based Perovskite-Type Relaxor Ferroelectric. <i>Physical Review Letters</i> , 2008, 101, 017602.	7.8	45
117	Crystal chemistry and location of hydrogen atoms in prehnite. <i>Mineralogical Magazine</i> , 2008, 72, 1163-1179.	1.4	11
118	The development of an automated data analysis system for high-pressure powder diffraction data collected using an area detector. <i>High Pressure Research</i> , 2008, 28, 293-298.	1.2	2
119	HDP: A Novel Heme Detoxification Protein from the Malaria Parasite. <i>PLoS Pathogens</i> , 2008, 4, e1000053.	4.7	146
120	Equation of state and crystal structure of a new germanate post-titanite phase. <i>American Mineralogist</i> , 2008, 93, 1424-1428.	1.9	2
121	COMPRESSIBILITY AND HIGH-PRESSURE BEHAVIOR OF Ab <sub>63</sub> Or <sub>27</sub> An <sub>10</sub> ANORTHOCLASE. <i>Canadian Mineralogist</i> , 2008, 46, 1443-1454.	1.0	14
122	THE MECHANISM OF COUPLING IN THE MODULATED STRUCTURE OF NEPHELINE. <i>Canadian Mineralogist</i> , 2008, 46, 1465-1476.	1.0	22
123	Elastic behavior and pressure-induced structural evolution of nepheline: Implications for the nature of the modulated superstructure. <i>American Mineralogist</i> , 2007, 92, 1446-1455.	1.9	27
124	Low-temperature single crystal X-ray diffraction and high-pressure Raman studies on [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ] <sub>2</sub> [SbCl <sub>5</sub> ]. <i>Journal of Solid State Chemistry</i> , 2007, 180, 3026-3034.	2.9	20
125	Effective hydrostatic limits of pressure media for high-pressure crystallographic studies. <i>Journal of Applied Crystallography</i> , 2007, 40, 26-32.	4.5	440
126	High-pressure structural evolution of a perovskite solid solution (La <sub>1-x</sub> Ndx)GaO <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , 2007, 180, 3408-3424.	2.9	30

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127	Crystal structure and equation of state of MgSiO <sub>3</sub> perovskite. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	41
128	High-Pressure- and Low-Temperature-Induced Changes in [(CH <sub>3</sub> ) <sub>2</sub> NH(CH <sub>2</sub> ) <sub>2</sub> NH <sub>3</sub> ][SbCl <sub>5</sub> ]. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10322-10331.	2.6	36
129	Al, Fe substitution in the MgSiO <sub>3</sub> perovskite structure: A single-crystal X-ray diffraction study. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 155, 96-103.	1.9	58
130	Estimation of polyhedral compressibilities and structural evolution of GdFeO <sub>3</sub> -type perovskites at high pressures. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 431-439.	1.8	24
131	Triclinic elastic constants for low albite. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 256-265.	0.8	98
132	Equations of state and structures of andalusite to 9.8 GPa and sillimanite to 8.5 GPa. <i>American Mineralogist</i> , 2006, 91, 319-326.	1.9	34
133	Presentation of the Mineralogical Society of America Award for 2005 to Tiziana Boffa-Ballaran. <i>American Mineralogist</i> , 2006, 91, 969-970.	1.9	0
134	High pressure as a tool to study structure and function of molecular crystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006, 62, s113-s113.	0.3	0
135	New ideas about old chestnuts: phase transitions in perovskites. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006, 62, s56-s56.	0.3	0
136	Single crystal X-ray diffraction studies on [(CH <sub>3</sub> ) <sub>n</sub> NH <sub>4</sub> ] <sup>n</sup> [Sb <sub>2</sub> Cl <sub>9</sub> ] (, 3) chloroantimonates(III) in their low-temperature ferroelectric phases structures and phase transitions. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2237-2246.	2.9	32
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