

Ross Angel

List of Publications by Year in descending order

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250
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28274

55
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36028

97
g-index

261
all docs

261
docs citations

261
times ranked

6434
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity in the high-TcBi-Ca-Sr-Cu-O system: Phase identification. <i>Physical Review Letters</i> , 1988, 60, 1174-1177.	7.8	567
2	Equations of State. <i>Reviews in Mineralogy and Geochemistry</i> , 2000, 41, 35-59.	4.8	498
3	Effective hydrostatic limits of pressure media for high-pressure crystallographic studies. <i>Journal of Applied Crystallography</i> , 2007, 40, 26-32.	4.5	440
4	EosFit7c and a Fortran module (library) for equation of state calculations. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, 405-419.	0.8	410
5	100-K superconducting phases in the Tl-Ca-Ba-Cu-O system. <i>Physical Review Letters</i> , 1988, 60, 1657-1660.	7.8	407
6	The Use of Quartz as an Internal Pressure Standard in High-Pressure Crystallography. <i>Journal of Applied Crystallography</i> , 1997, 30, 461-466.	4.5	351
7	<i>EosFit7-GUI</i> : 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
8	Crystallographic description of phases in the Y-Ba-Cu-O superconductor. <i>Physical Review B</i> , 1987, 35, 7238-7241.	3.2	298
9	Stability of high-density clinoenstatite at upper-mantle pressures. <i>Nature</i> , 1992, 358, 322-324.	27.8	208
10	Structure and elasticity of single-crystal (Mg,Fe)O and a new method of generating shear waves for gigahertz ultrasonic interferometry. <i>Journal of Geophysical Research</i> , 2002, 107, ECV 4-1.	3.3	149
11	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
12	General Rules for Predicting Phase Transitions in Perovskites due to Octahedral Tilting. <i>Physical Review Letters</i> , 2005, 95, 025503.	7.8	146
13	HDP: A Novel Heme Detoxification Protein from the Malaria Parasite. <i>PLoS Pathogens</i> , 2008, 4, e1000053.	4.7	146
14	Absorption corrections for diamond-anvil pressure cells implemented in the software package Absorb6.0. <i>Journal of Applied Crystallography</i> , 2004, 37, 486-492.	4.5	132
15	Equations of state and thermodynamic properties of enstatite pyroxenes. <i>Journal of Geophysical Research</i> , 1994, 99, 19777-19783.	3.3	130
16	Equation of state of stishovite to lower mantle pressures. <i>American Mineralogist</i> , 2003, 88, 301-307.	1.9	123
17	<i>SINGLE</i> : a program to control single-crystal diffractometers. <i>Journal of Applied Crystallography</i> , 2011, 44, 247-251.	4.5	119
18	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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19	Structural characterization of pentacoordinate silicon in a calcium silicate. <i>Nature</i> , 1996, 384, 441-444.	27.8	105
20	A diamond-anvil cell for single-crystal x-ray diffraction studies to pressures in excess of 10 GPa. <i>Review of Scientific Instruments</i> , 1996, 67, 840-842.	1.3	101
21	New view of the high-pressure behaviour of GdFeO ₃ -type perovskites. <i>Acta Crystallographica Section B: Structural Science</i> , 2004, 60, 263-271.	1.8	98
22	Triclinic elastic constants for low albite. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 256-265.	0.8	98
23	Comparative compressibility of end-member feldspars. <i>Physics and Chemistry of Minerals</i> , 1988, 15, 313-318.	0.8	96
24	Displacive phase transitions in C-centred clinopyroxenes: spodumene, LiScSi ₂ O ₆ and ZnSiO ₃ . <i>Physics and Chemistry of Minerals</i> , 2000, 27, 719-731.	0.8	96
25	EosFit-Pinc: A simple GUI for host-inclusion elastic thermobarometry. <i>American Mineralogist</i> , 2017, 102, 1957-1960.	1.9	94
26	New Zinc Phosphates Decorated by Imidazole-Containing Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 552-558.	4.0	92
27	High-Temperature-High- Pressure Diffractometry. <i>Reviews in Mineralogy and Geochemistry</i> , 2000, 41, 559-597.	4.8	89
28	Stabilities and equations of state of dense hydrous magnesium silicates. <i>Physics of the Earth and Planetary Interiors</i> , 2001, 127, 181-196.	1.9	88
29	How large are departures from lithostatic pressure? Constraints from host-inclusion elasticity. <i>Journal of Metamorphic Geology</i> , 2015, 33, 801-813.	3.4	84
30	Thermal expansion of plagioclase feldspars. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 899-908.	3.1	83
31	Stress, strain and Raman shifts. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2019, 234, 129-140.	0.8	83
32	Elastic geothermobarometry: Corrections for the geometry of the host-inclusion system. <i>Geology</i> , 2018, 46, 231-234.	4.4	81
33	High-pressure single-crystal X-ray diffraction study of YAlO ₃ perovskite. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1276-1284.	2.9	80
34	High-pressure semiconductor-semimetal transition in TiS ₂ . <i>Physical Review B</i> , 1998, 57, 5106-5110.	3.2	78
35	Reversal of the orthoferrosilite - high-P clinoferrosilite transition, a phase diagram for FeSiO ₃ and implications for the mineralogy of the Earth's upper mantle. <i>European Journal of Mineralogy</i> , 1997, 9, 245-254.	1.3	78
36	Elasticity of plagioclase feldspars. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 663-675.	3.4	76

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37	Crystallography, chemistry and structural disorder in the new high- T_c Bi CaSrCuO superconductor. <i>Nature</i> , 1988, 332, 334-337.	27.8	75
38	Five New Zinc Phosphite Structures: Tertiary Building Blocks in the Construction of Hybrid Materials. <i>Inorganic Chemistry</i> , 2005, 44, 2719-2727.	4.0	75
39	A simple and generalised P TV 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
40	A silica-rich sodium pyroxene phase with six-coordinated silicon. <i>Nature</i> , 1988, 335, 156-158.	27.8	73
41	Oxygen vacancy ordering in CaTiO_3 $\text{CaFeO}_{2.5}$ perovskites: From isolated defects to infinite sheets. <i>Phase Transitions</i> , 1999, 69, 133-146.	1.3	71
42	Synthesis, crystal structure, and phase relations of AlSi_3OH , a high-pressure hydrous phase. <i>American Mineralogist</i> , 1998, 83, 881-888.	1.9	69
43	High-pressure behaviour and equation of state of calcite, CaCO_3 . <i>Contributions To Mineralogy and Petrology</i> , 1999, 134, 102-106.	3.1	67
44	Short-range ordering of oxygen vacancies in $\text{CaFe}_x\text{Ti}_{1-x}\text{O}_3$ perovskites ($0 < x < 0.4$). <i>Journal of Physics Condensed Matter</i> , 2000, 12, 2969-2984.	1.8	66
45	Anomalous compression and equation of state of coesite. <i>Physics of the Earth and Planetary Interiors</i> , 2001, 124, 71-79.	1.9	64
46	Compression of albite, $\text{NaAlSi}_3\text{O}_8$. <i>American Mineralogist</i> , 2005, 90, 1115-1120.	1.9	63
47	Al, Si ordering in cordierite using magic angle spinning NMR. <i>Physics and Chemistry of Minerals</i> , 1985, 12, 217-222.	0.8	61
48	Tilting and distortion of CaSnO_3 perovskite to 7 GPa determined from single-crystal X-ray diffraction. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 299-305.	0.8	61
49	First evidence of hydrous silicic fluid films around solid inclusions in gem-quality diamonds. <i>Lithos</i> , 2016, 260, 384-389.	1.4	61
50	Single-crystal elasticity of fayalite to 12 GPa. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	59
51	Olivine with diamond-imposed morphology included in diamonds. Syngensis or protogenesis?. <i>International Geology Review</i> , 2014, 56, 1658-1667.	2.1	59
52	Elasticity of CaSnO_3 perovskite. <i>Physics and Chemistry of Minerals</i> , 2001, 28, 35-43.	0.8	58
53	Elasticity and equation of state of orthoenstatite, MgSiO_3 . <i>American Mineralogist</i> , 2002, 87, 558-561.	1.9	58
54	Al, Fe substitution in the MgSiO_3 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

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55	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
56	High Pressure Study of Ru ₃ (CO) ₁₂ by X-ray Diffraction, Raman, and Infrared Spectroscopy. <i>Inorganic Chemistry</i> , 2004, 43, 5245-5252.	4.0	57
57	P-T-X data on P21/c-clinopyroxenes and their displacive phase transitions. <i>Contributions To Mineralogy and Petrology</i> , 2000, 138, 35-45.	3.1	56
58	Elasticity measurements on minerals: a review. <i>European Journal of Mineralogy</i> , 2009, 21, 525-550.	1.3	56
59	Fossil subduction recorded by quartz from the coesite stability field. <i>Geology</i> , 2020, 48, 24-28.	4.4	56
60	Automated profile analysis for single-crystal diffraction data. <i>Journal of Applied Crystallography</i> , 2003, 36, 295-300.	4.5	55
61	Depth of formation of CaSiO ₃ -walsstromite included in super-deep diamonds. <i>Lithos</i> , 2016, 265, 138-147.	1.4	55
62	ABSORB-7 and ABSORB-GUI for single-crystal absorption corrections. <i>Journal of Applied Crystallography</i> , 2013, 46, 252-254.	4.5	54
63	Nanogranite inclusions in migmatitic garnet: behavior during piston-cylinder remelting experiments. <i>Geofluids</i> , 2013, 13, 405-420.	0.7	54
64	Diamond thermoelastic properties and implications for determining the pressure of formation of diamond-inclusion systems. <i>Russian Geology and Geophysics</i> , 2015, 56, 211-220.	0.7	54
65	The high-pressure, high-temperature equation of state of calcium fluoride, CaF ₂ . <i>Journal of Physics Condensed Matter</i> , 1993, 5, L141-L144.	1.8	53
66	A high-pressure structural study of microcline (KAlSi ₃ O ₈) to 7 GPa. <i>European Journal of Mineralogy</i> , 1997, 9, 263-276.	1.3	52
67	High-pressure P2 ₁ /c-C2/c phase transitions in clinopyroxenes; influence of cation size and electronic structure. <i>American Mineralogist</i> , 1998, 83, 1176-1181.	1.9	51
68	Equations of state of Plagioclase Feldspars. <i>Contributions To Mineralogy and Petrology</i> , 2004, 146, 506-512.	3.1	51
69	High-pressure structural behavior of GdAlO ₃ and GdFeO ₃ perovskites. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3768-3775.	2.9	51
70	Polyhedral control of the rhombohedral to cubic phase transition in LaAlO ₃ perovskite. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 8763-8773.	1.8	50
71	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
72	Tetrahedral compression in (Mg,Fe)SiO ₃ orthopyroxenes. <i>Physics and Chemistry of Minerals</i> , 1997, 24, 301-310.	0.8	46

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73	Enhancement of Cation Diffusion Rates Across the 410-Kilometer Discontinuity in Earth's Mantle. <i>Science</i> , 1999, 283, 362-365.	12.6	46
74	Pressure-Induced Phase Transition in $\text{PbSc}_{0.5}\text{TaO}_3$ as a Model Pb-Based Perovskite-Type Relaxor Ferroelectric. <i>Physical Review Letters</i> , 2008, 101, 017602.	7.8	45
75	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
76	Assessment of the reliability of elastic geobarometry with quartz inclusions. <i>Lithos</i> , 2019, 350-351, 105201.	1.4	45
77	Fluorinert as a pressure-transmitting medium for high-pressure diffraction studies. <i>Review of Scientific Instruments</i> , 2003, 74, 4564-4566.	1.3	42
78	Transformation processes in relaxor ferroelectric $\text{PbSc}_{0.5}\text{Ta}_{0.5}\text{O}_3$ heavily doped with Nb and Sn. <i>Zeitschrift für Kristallographie</i> , 2011, 226, 126-137.	1.1	42
79	Calibration of Al/Si order variations in anorthite. <i>Contributions To Mineralogy and Petrology</i> , 1990, 104, 471-480.	3.1	41
80	Single-crystal synchrotron X-ray diffraction study of $\text{w}_{1/4}$ stite and $\text{magnesiow}_{1/4}$ stite at lower-mantle pressures. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 577-583.	2.4	41
81	Crystal structure and equation of state of MgSiO_3 perovskite. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	41
82	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
83	Thermodynamic properties of MgSiO_3 majorite and phase transitions near 660 km depth in MgSiO_3 and Mg_2SiO_4 : A first principles study. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	41
84	The transition of orthoferrosilite to high-pressure C2/c clinoferrosilite at ambient temperature. <i>European Journal of Mineralogy</i> , 1997, 8, 1337-1346.	1.3	41
85	Crystal structure and cation stoichiometry of superconducting $\text{Tl}_2\text{Ba}_2\text{CuO}_{6+\delta}$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 198, 203-208.	1.2	40
86	Tilts and tetrahedra: The origin of the anisotropy of feldspars. <i>American Mineralogist</i> , 2012, 97, 765-778.	1.9	39
87	Compressibility of brownmillerite ($\text{Ca}_2\text{Fe}_2\text{O}_5$): effect of vacancies on the elastic properties of perovskites. <i>Physics of the Earth and Planetary Interiors</i> , 2002, 129, 145-151.	1.9	38
88	Thermo-elastic behavior of grossular garnet at high pressures and temperatures. <i>American Mineralogist</i> , 2017, 102, 851-859.	1.9	38
89	Complete substitution of Si for Ti in titanite $\text{Ca}(\text{Ti}_{1-x}\text{Si}_x)\text{O}_6$. <i>Contributions To Mineralogy and Petrology</i> , 2017, 171, 1168-1175.	1.9	37
90	Structural characterisation of the high-pressure phase $\text{CaAl}_4\text{Si}_2\text{O}_{11}$. <i>Physics and Chemistry of Minerals</i> , 1999, 27, 47-51.	0.8	37

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91	High-Pressure- and Low-Temperature-Induced Changes in [(CH ₃) ₂ NH(CH ₂) ₂ NH ₃][SbCl ₅]. Journal of Physical Chemistry B, 2006, 110, 10322-10331.	2.6	36
92	Extending the single-crystal quartz pressure gauge up to hydrostatic pressure of 19â€¦GPa. Journal of Applied Crystallography, 2016, 49, 2129-2137.	4.5	36
93	High-pressure transformation behaviour of the cummingtonite-grunerite solid solution. European Journal of Mineralogy, 2000, 12, 1195-1213.	1.3	36
94	Effect of Ca ²⁺ and Fe ²⁺ on the equation of state of MgSiO ₃ orthopyroxene. Journal of Geophysical Research, 1997, 102, 12333-12340.	3.3	35
95	Compression mechanisms of coesite. Physics and Chemistry of Minerals, 2003, 30, 167-176.	0.8	35
96	Equations of state and structures of andalusite to 9.8 GPa and sillimanite to 8.5 GPa. American Mineralogist, 2006, 91, 319-326.	1.9	34
97	The incommensurate structure of mullite by Patterson synthesis. Acta Crystallographica Section B: Structural Science, 1987, 43, 116-126.	1.8	33
98	Ab initio study of MgSiO ₃ C2/c enstatite. Physics and Chemistry of Minerals, 1995, 22, 453.	0.8	33
99	The elastic tensor of monoclinic alkali feldspars. American Mineralogist, 2016, 101, 1228-1231.	1.9	33
100	Single crystal X-ray diffraction studies on [(CH ₃) _n NH ₄ â€¦ ⁿ] ₃ [Sb ₂ Cl ₉] (, 3) chloroantimonates(III) in their low-temperature ferroelectric phasesâ€”structures and phase transitions. Journal of Solid State Chemistry, 2005, 178, 2237-2246.	2.9	32
101	The transition from short-range to long-range ordering of oxygen vacancies in CaFexTi _{1-x} O _{3-x/2} perovskites. Physical Chemistry Chemical Physics, 2000, 2, 3933-3941.	2.8	30
102	High-pressure structural evolution of a perovskite solid solution (La _{1-âˆª} x,Ndx)GaO ₃ . Journal of Solid State Chemistry, 2007, 180, 3408-3424.	2.9	30
103	Accurate structures and energetics of neutral-framework zeotypes from dispersion-corrected DFT calculations. Journal of Chemical Physics, 2017, 146, 174111.	3.0	30
104	High-pressure phase transition in CaTiOSiO ₄ titanite. Phase Transitions, 1999, 68, 533-543.	1.3	29
105	New diamond anvil cells for gigahertz ultrasonic interferometry and X-ray diffraction. American Mineralogist, 2000, 85, 283-287.	1.9	29
106	Phase relations in the system fayalite-magnetite at high pressures and temperatures. Contributions To Mineralogy and Petrology, 2000, 139, 734-747.	3.1	29
107	Thermoelastic and thermodynamic properties of plagioclase feldspars from thermal expansion measurements. American Mineralogist, 2011, 96, 992-1002.	1.9	28
108	Elastic behavior and pressure-induced structural evolution of nepheline: Implications for the nature of the modulated superstructure. American Mineralogist, 2007, 92, 1446-1455.	1.9	27

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109	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
110	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
111	Experimental and <i>ab Initio</i> Study of Catena(bis($\frac{1}{4}$ -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
112	A century of mineral structures: How well do we know them?. <i>American Mineralogist</i> , 2016, 101, 1036-1045.	1.9	27
113	Elastic geobarometry for anisotropic inclusions in cubic hosts. <i>Lithos</i> , 2019, 350-351, 105218.	1.4	27
114	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
115	Structure, ordering and cation interactions in Ca-free P2 _{1/c} clinopyroxenes. <i>Physics and Chemistry of Minerals</i> , 1998, 25, 249-258.	0.8	26
116	Equation of state and high-pressure phase transitions in lawsonite. <i>European Journal of Mineralogy</i> , 2003, 15, 241-246.	1.3	26
117	Octahedral tilts, symmetry-adapted displacive modes and polyhedral volume ratios in perovskite structures. <i>Acta Crystallographica Section B: Structural Science</i> , 2011, 67, 302-314.	1.8	26
118	Simulation of the hydration kinetics and elastic moduli of cement mortars by microstructural modelling. <i>Cement and Concrete Composites</i> , 2014, 52, 54-63.	10.7	26
119	Ultrasonic interferometry and X-ray measurements on MgO in a new diamond anvil cell. <i>American Mineralogist</i> , 1998, 83, 1357-1360.	1.9	26
120	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
121	Crystal structure of high pressure SrB ₂ O ₄ (IV). <i>Journal of Solid State Chemistry</i> , 1991, 90, 27-30.	2.9	24
122	The nature of the incommensurate structure in Åkermanite, Ca ₂ MgSi ₂ O ₇ , and the character of its transformation from the normal structure. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2000, 215, .	0.8	24
123	Estimation of polyhedral compressibilities and structural evolution of GdFeO ₃ -type perovskites at high pressures. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 431-439.	1.8	24
124	Effect of La doping on the ferroic order in Pb-based perovskite-type relaxor ferroelectrics. <i>Physical Review B</i> , 2011, 83, .	3.2	24
125	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
126	Fe ₄ O ₅ and its solid solutions in several simple systems. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 1677-1686.	3.1	23

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127	Site preference of vanadium doped into ZrSiO ₄ and ZrGeO ₄ and of terbium doped into ZrGeO ₄ . Journal of the Chemical Society Dalton Transactions, 1992, , 1579.	1.1	22
128	A model for the origin of the cell-doubling phase transitions in clinopyroxene and body-centred anorthite. Physics and Chemistry of Minerals, 1995, 22, 129.	0.8	22
129	Gigahertz ultrasonic interferometry at high pressure: new tools for obtaining a thermodynamic equation of state. Journal of Physics Condensed Matter, 2002, 14, 11525-11530.	1.8	22
130	THE MECHANISM OF COUPLING IN THE MODULATED STRUCTURE OF NEPHELINE. Canadian Mineralogist, 2008, 46, 1465-1476.	1.0	22
131	High-Pressure Structural Phase Transitions. Reviews in Mineralogy and Geochemistry, 2000, 39, 85-104.	4.8	21
132	Crystallographic orientations of olivine inclusions in diamonds. Lithos, 2016, 265, 312-316.	1.4	21
133	New insights into the zircon-reidite phase transition. American Mineralogist, 2019, 104, 830-837.	1.9	21
134	Garnet EoS: a critical review and synthesis. Contributions To Mineralogy and Petrology, 2022, 177, .	3.1	21
135	Spontaneous strain below the T_1 - T_2 transition in anorthite at pressure. Physics and Chemistry of Minerals, 1989, 16, 539-544.	0.8	20
136	Equations of state for Fe ₃₂ +Fe ₂₃ +Si ₃₀ garnet and Fe ₂ SiO ₄ -Fe ₃ O ₄ spinel solid solutions. Journal of Geophysical Research, 1999, 104, 20049-20058.	3.3	20
137	Local and long-range order in ferroelastic lead phosphate at high pressure. Acta Crystallographica Section B: Structural Science, 2004, 60, 1-9.	1.8	20
138	Low-temperature single crystal X-ray diffraction and high-pressure Raman studies on [(CH ₃) ₂ NH ₂] ₂ [SbCl ₅]. Journal of Solid State Chemistry, 2007, 180, 3026-3034.	2.9	20
139	Structural state of relaxor ferroelectrics PbSc _{1-x} Mn _x Li ₃ Bi ₂ (0 ≤ x ≤ 1). Journal of Applied Crystallography, 2008, 41, 115-120.	3.2	20
140	Structural controls on the anisotropy of tetrahedral frameworks: the example of monoclinic feldspars. European Journal of Mineralogy, 2013, 25, 597-614.	1.3	20
141	<i>OrientXplot</i>: a program to analyse and display relative crystal orientations. Journal of Applied Crystallography, 2015, 48, 1330-1334.	4.5	20
142	Anisotropy of magnetic susceptibility in alkali feldspar and plagioclase. Geophysical Journal International, 2016, 205, 479-489.	2.4	20
143	Radiation-damaged zircon under high pressures. Physics and Chemistry of Minerals, 2018, 45, 981-993.	0.8	20
144	Single-crystal X-ray diffraction at high pressures with diamond-anvil cells. Phase Transitions, 1992, 39, 13-32.	1.3	19

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145	Crystallographic orientations of magnesiochromite inclusions in diamonds: what do they tell us?. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	19
146	Structural variation in wollastonite and bustamite. Mineralogical Magazine, 1985, 49, 37-48.	1.4	18
147	Polymorphism of nickel sulfate hexahydrate. Acta Crystallographica Section C: Crystal Structure Communications, 1988, 44, 1869-1873.	0.4	18
148	Intersite partitioning of Mg and Fe in Ca-free high-pressure C2/c clinopyroxene. American Mineralogist, 1997, 82, 923-930.	1.9	18
149	Displacive phase transitions and spontaneous strains in oxygen deficient CaFexTi1-xO3-x/2perovskites (0 ≤ x ≤ 0.40). Journal of Physics Condensed Matter, 2000, 12, 3661-3670.	1.8	18
150	Spontaneous strain variations through the low-temperature displacive phase transition of LiGaSi2O6 clinopyroxene. European Journal of Mineralogy, 2009, 21, 599-614.	1.3	18
151	High-pressure crystallography of rhombohedral PrAlO ₃ perovskite. Journal of Physics Condensed Matter, 2009, 21, 235403.	1.8	18
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