Fabrizio Nestola

List of Publications by Year
in descending order

306 papers	7,595 citations	81900 39 h-index	85541 71 g-index
322 all docs	322 docs citations	322 times ranked	5065 citing authors

#	Article	IF	Citations
1	Hydrous mantle transition zone indicated by ringwoodite included within diamond. Nature, 2014, 507, 221-224.	27.8	613
2	Diamonds and the Geology of Mantle Carbon. Reviews in Mineralogy and Geochemistry, 2013, 75, 355-421.	4.8	360
3	<i>EosFit7-GUI</i>: a new graphical user interface for equation of state calculations, analyses and teaching. Journal of Applied Crystallography, 2016, 49, 1377-1382.	4.5	329
4	Large gem diamonds from metallic liquid in Earthâ€™s deep mantle. Science, 2016, 354, 1403-1405.	12.6	266
5	Olivine hydration in the deep upper mantle: Effects of temperature and silica activity. Geophysical Research Letters, 2006, 33, .	4.0	169
6	Electrical conductivity anisotropy of dry and hydrous olivine at 8 GPa. Physics of the Earth and Planetary Interiors, 2010, 181, 103-111.	1.9	163
7	CaSiO3 perovskite in diamond indicates the recycling of oceanic crust into the lower mantle. Nature, 2018, 555, 237-241.	27.8	123
8	Geobarometry from host-inclusion systems: The role of elastic relaxation. American Mineralogist, 2014, 99, 2146-2149.	1.9	119
9	Blue boron-bearing diamonds from Earthâ€™s lower mantle. Nature, 2018, 560, 84-87.	27.8	119
10	EosFit-Pinc: A simple GUI for host-inclusion elastic thermobarometry. American Mineralogist, 2017, 102, 1957-1960.	1.9	94
11	How large are departures from lithostatic pressure? Constraints from hostâ€“inclusion elasticity. Journal of Metamorphic Geology, 2015, 33, 801-813.	3.4	84
12	Thermal expansion of plagioclase feldspars. Contributions To Mineralogy and Petrology, 2010, 160, 899-908.	3.1	83
13	Elastic geothermobarometry: Corrections for the geometry of the host-inclusion system. Geology, 2018, 46, 231-234.	4.4	81
14	A simple and generalised Pâ€“Tâ€“V EoS for continuous phase transitions, implemented in EosFit and applied to quartz. Contributions To Mineralogy and Petrology, 2017, 172, 1.	3.1	75
15	First crystal-structure determination of olivine in diamond: Composition and implications for provenance in the Earth's mantle. Earth and Planetary Science Letters, 2011, 305, 249-255.	4.4	71
16	Diamondâ€“garnet geobarometry: The role of garnet compressibility and expansivity. Lithos, 2015, 227, 140-147.	1.4	67
17	The high-temperature<i>P</i>2₁/<i>c</i>-<i>C</i>2/<i>c</i>phase transition in Fe-free pyroxene (Ca_{0.15}Mg_{1.85}Si₂O₆): Structural and thermodynamic behavior. American Mineralogist, 2002, 87, 648-657.	1.9	64
18	Elastic behavior, phase transition, and pressure induced structural evolution of analcime. American Mineralogist, 2006, 91, 568-578.	1.9	63

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19	Microanalyses link sulfur from large igneous provinces and Mesozoic mass extinctions. Geology, 2014, 42, 895-898.	4.4	63
20	Development of crystallographic preferred orientation and microstructure during plastic deformation of natural coarseâ€grained quartz veins. Journal of Geophysical Research, 2010, 115, .	3.3	62
21	First evidence of hydrous silicic fluid films around solid inclusions in gem-quality diamonds. Lithos, 2016, 260, 384-389.	1.4	61
22	Fossil intermediate-depth earthquakes in subducting slabs linked to differential stress release. Nature Geoscience, 2017, 10, 960-966.	12.9	61
23	Olivine with diamond-imposed morphology included in diamonds. Syngenesis or protogenesis?. International Geology Review, 2014, 56, 1658-1667.	2.1	59
24	How geometry and anisotropy affect residual strain in host-inclusion systems: Coupling experimental and numerical approaches. American Mineralogist, 2018, 103, 2032-2035.	1.9	58
25	Evidence for H2O-bearing fluids in the lower mantle from diamond inclusion. Lithos, 2016, 265, 237-243.	1.4	57
26	Fossil subduction recorded by quartz from the coesite stability field. Geology, 2020, 48, 24-28.	4.4	56
27	The (100), (111) and (110) surfaces of diamond: an<i>ab initio</i>B3LYP study. Molecular Physics, 2014, 112, 1030-1039.	1.7	55
28	Depth of formation of CaSiO 3 -walstromite included in super-deep diamonds. Lithos, 2016, 265, 138-147.	1.4	55
29	Diamond thermoelastic properties and implications for determining the pressure of formation of diamondâ€"inclusion systems. Russian Geology and Geophysics, 2015, 56, 211-220.	0.7	54
30	High-pressure behaviour along the jadeite NaAlSi2O6â€"aegirine NaFeSi2O6 solid solution up to 10ÂGPa. Physics and Chemistry of Minerals, 2006, 33, 417-425.	0.8	52
31	High-pressure thermo-elastic properties of beryl (Al4Be6Si12O36) from ab initio calculations, and observations about the source of thermal expansion. Physics and Chemistry of Minerals, 2011, 38, 223-239.	0.8	52
32	The crystal structure of pyroxenes along the jadeite hedenbergite and jadeite aegirine joins. American Mineralogist, 2007, 92, 1492-1501.	1.9	50
33	40Âyears of mineral elasticity: a critical review and a new parameterisation of equations of state for mantle olivines and diamond inclusions. Physics and Chemistry of Minerals, 2018, 45, 95-113.	0.8	49
34	Ab Initio Calculations of the Main Crystal Surfaces of Forsterite (Mg₂SiO₄): A Preliminary Study to Understand the Nature of Geochemical Processes at the Olivine Interface. Journal of Physical Chemistry C, 2014, 118, 2498-2506.	3.1	48
35	Mineral inclusions in diamonds may be synchronous but not syngenetic. Nature Communications, 2017, 8, 14168.	12.8	46
36	The real topological configuration of the extra-framework content in alkali-poor beryl: A multi-methodological study. American Mineralogist, 2006, 91, 29-34.	1.9	42

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37	N-Phosphorylated Azolylidenes: Novel Ligands for Dinuclear Complexes of Coinage Metals. Organometallics, 2013, 32, 718-721.	2.3	42
38	Antigorite equation of state and anomalous softening at 6 GPa: an in situ single-crystal X-ray diffraction study. Contributions To Mineralogy and Petrology, 2010, 160, 33-43.	3.1	41
39	Tetragonal Almandine-Pyrope Phase, TAPP: finally a name for it, the new mineral jeffbenite. Mineralogical Magazine, 2016, 80, 1219-1232.	1.4	41
40	New Coordination Polymers and Porous Supramolecular Metal Organic Network Based on the Trinuclear Triangular Secondary Building Unit [Cu3(Î¼3-OH)(Î¼-pz)3]2+ and 4,4â€²-Bypiridine. 1Â°. Crystal Growth and Design, 2012, 12, 2890-2901.	3.0	40
41	Strong inheritance of texture between perovskite and post-perovskite in the Dâ€²â€² layer. Nature Geoscience, 2013, 6, 575-578.	12.9	40
42	Diamonds and water in the deep Earth: a new scenario. International Geology Review, 2016, 58, 263-276.	2.1	40
43	H2O in olivine and garnet inclusions still trapped in diamonds from the Siberian craton: Implications for the water content of cratonic lithosphere peridotites. Lithos, 2015, 230, 180-183.	1.4	39
44	High pressure behavior, transformation and crystal structure of synthetic iron-free pigeonite. American Mineralogist, 2004, 89, 189-196.	1.9	38
45	Comparative compressibility and structural behavior of spinel MgAl2O4 at high pressures: The independency on the degree of cation order. American Mineralogist, 2007, 92, 1838-1843.	1.9	38
46	Tracing the depositional history of Kalimantan diamonds by zircon provenance and diamond morphology studies. Lithos, 2016, 265, 159-176.	1.4	38
47	Thermo-elastic behavior of grossular garnet at high pressures and temperatures. American Mineralogist, 2017, 102, 851-859.	1.9	38
48	Inclusions under remnant pressure in diamond: a multi-technique approach. European Journal of Mineralogy, 2012, 24, 563-573.	1.3	37
49	Discovery of asimowite, the Fe-analog of wadsleyite, in shock-melted silicate droplets of the Suizhou L6 and the Quebrada Chimborazo 001 CB3.0 chondrites. American Mineralogist, 2019, 104, 775-778.	1.9	37
50	Mineral chemistry and alteration of rare earth element (REE) carbonates from alkaline pegmatites of Mount Malosa, Malawi. American Mineralogist, 2009, 94, 1216-1222.	1.9	36
51	Crystal chemistry of hydrous forsterite and its vibrational properties up to 41 GPa. American Mineralogist, 2009, 94, 751-760.	1.9	35
52	The effect of the hedenbergitic substitution on the compressibility of jadeite. American Mineralogist, 2008, 93, 1005-1013.	1.9	34
53	Multi-methodological investigation of kunzite, hiddenite, alexandrite, elbaite and topaz, based on laser-induced breakdown spectroscopy and conventional analytical techniques for supporting mineralogical characterization. Physics and Chemistry of Minerals, 2014, 41, 127-140.	0.8	34
54	New accurate elastic parameters for the forsterite-fayalite solid solution. American Mineralogist, 2011, 96, 1742-1747.	1.9	33

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55	Depth of formation of super-deep diamonds: Raman barometry of CaSiO3-walstromite inclusions. American Mineralogist, 2018, 103, 69-74.	1.9	33
56	Depth of diamond formation obtained from single periclase inclusions. Geology, 2019, 47, 219-222.	4.4	33
57	AP21/c-C2/chigh-pressure phase transition in Ca0.5Mg1.5Si2O6clinopyroxene. American Mineralogist, 2001, 86, 807-813.	1.9	31
58	The high-temperature P2/c1?C2/c phase transition in Fe-free Ca-rich P21/c clinopyroxenes. Physics and Chemistry of Minerals, 2003, 30, 527-535.	0.8	31
59	The effect of Ca substitution on the elastic and structural behavior of orthoenstatite. American Mineralogist, 2006, 91, 809-815.	1.9	31
60	Thermal expansion and high-temperature P21/câ€"C2/c phase transition in clinopyroxene-type LiFeGe2O6 and comparison to NaFe(Si,Ge)2O6. Physics and Chemistry of Minerals, 2010, 37, 685-704.	0.8	31
61	UCP4C mediates uncoupled respiration in larvae of <i>Drosophila melanogaster</i>. EMBO Reports, 2014, 15, 586-591.	4.5	31
62	Multi-methodological characterisation of calcium phosphate in late-Antique glass mosaic tesserae. Microchemical Journal, 2016, 124, 811-818.	4.5	31
63	Average and local structure in P21/c clinopyroxenes along the join diopside-enstatite (CaMgSi2O6-Mg2Si2O6). European Journal of Mineralogy, 2002, 14, 549-555.	1.3	30
64	Structural characterization of natural diamond shocked to 60 GPa; implications for Earth and planetary systems. Lithos, 2016, 265, 214-221.	1.4	30
65	Automated FTIR mapping of boron distribution in diamond. Diamond and Related Materials, 2019, 96, 207-215.	3.9	30
66	Electrical conductivity of hydrous wadsleyite. European Journal of Mineralogy, 2009, 21, 615-622.	1.3	28
67	Water incorporation in synthetic and natural MgAl2O4 spinel. Geochimica Et Cosmochimica Acta, 2010, 74, 705-718.	3.9	28
68	Thermoelastic and thermodynamic properties of plagioclase feldspars from thermal expansion measurements. American Mineralogist, 2011, 96, 992-1002.	1.9	28
69	Impact shock origin of diamonds in ureilite meteorites. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25310-25318.	7.1	28
70	Compressional behaviour of CaNiSi2O6 clinopyroxene: bulk modulus systematic and cation type in clinopyroxenes. Physics and Chemistry of Minerals, 2005, 32, 222-227.	0.8	27
71	New insight into crystal chemistry of topaz: A multi-methodological study. American Mineralogist, 2006, 91, 1839-1846.	1.9	27
72	Platinum(II) Complexes with Novel Diisocyanide Ligands: Catalysts in Alkyne Hydroarylation. Organometallics, 2013, 32, 7153-7162.	2.3	27

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73	A century of mineral structures: How well do we know them?. American Mineralogist, 2016, 101, 1036-1045.	1.9	27
74	Coordination Polymers Based on the Trinuclear Triangular Secondary Building Unit [Cu₃(Î¼₃-OH)(Î¼-pz)₃]²⁺ (pz = pyrazolate) and Succinate Anion. Crystal Growth and Design, 2013, 13, 126-135.	3.0	26
75	Deep carbon through time: Earthâ€™s diamond record and its implications for carbon cycling and fluid speciation in the mantle. Geochimica Et Cosmochimica Acta, 2020, 275, 99-122.	3.9	26
76	High-pressure phase transformation in LiFeGe2O6 pyroxene. American Mineralogist, 2009, 94, 616-621.	1.9	25
77	HT P21/câ€“C2/c phase transition and kinetics of Fe2+â€“Mg orderâ€“disorder of an Fe-poor pigeonite: implications for the cooling history of ureilites. Contributions To Mineralogy and Petrology, 2011, 162, 599-613.	3.1	25
78	Volume thermal expansion along the jadeiteâ€“diopside join. Physics and Chemistry of Minerals, 2015, 42, 1-14.	0.8	25
79	Very fast crystallisation of MFe2O4 spinel ferrites (M = Co, Mn, Ni, Zn) under low temperature hydrothermal conditions: a time-resolved structural investigation. Green Chemistry, 2018, 20, 2257-2268.	9.0	25
80	Coordination polymers from mild condition reactions of copper(II) carboxylates with pyrazole (Hpz). Influence of carboxylate basicity on the self-assembly of the [Cu3(Î¼3-OH)(Î¼-pz)3]2+ secondary building unit. Inorganica Chimica Acta, 2017, 455, 618-626.	2.4	24
81	Quantifying hexagonal stacking in diamond. Scientific Reports, 2019, 9, 10334.	3.3	24
82	New insights into the crystal chemistry of epididymite and eudidymite from Malosa, Malawi: A single-crystal neutron diffraction study. American Mineralogist, 2008, 93, 1158-1165.	1.9	23
83	Dalnegroite, Tl_{5â€“<i>x</i>}Pb_{2<i>x</i>}(As,Sb)_{21â€“<i>x</i>}S₃₄, a new thallium sulphosalt from Lengenbach quarry, Binntal, Switzerland. Mineralogical Magazine, 2009, 73, 1027-1032.	1.4	23
84	Looking for jarosite on Mars: The low-temperature crystal structure of jarosite. American Mineralogist, 2013, 98, 1966-1971.	1.9	23
85	X-ray topographic study of a diamond from Udachnaya: Implications for the genetic nature of inclusions. Lithos, 2016, 248-251, 153-159.	1.4	23
86	Diamond-inclusion system recording old deep lithosphere conditions at Udachnaya (Siberia). Scientific Reports, 2019, 9, 12586.	3.3	23
87	Quantum-mechanical modeling of minerals at high pressures. The role of the Hamiltonian in a case study: the beryl (Al4Be6Si12O36). Physics and Chemistry of Minerals, 2005, 32, 471-479.	0.8	22
88	Elastic behaviour and structural evolution of topaz at high pressure. Physics and Chemistry of Minerals, 2006, 33, 235-242.	0.8	22
89	Thermal expansion along the NaAlSi2O6â€“NaFe3+Si2O6 and NaAlSi2O6â€“CaFe2+Si2O6 solid solutions. Physics and Chemistry of Minerals, 2008, 35, 241-248.	0.8	22
90	In situ analysis of garnet inclusion in diamond using single-crystal X-ray diffraction and X-ray micro-tomography. European Journal of Mineralogy, 2012, 24, 599-606.	1.3	22

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91	Protogenetic garnet inclusions and the age of diamonds. Geology, 2019, 47, 431-434.	4.4	22
92	Origin, properties, and structure of breyite: The second most abundant mineral inclusion in super-deep diamonds. American Mineralogist, 2021, 106, 38-43.	1.9	22
93	A SINGLE-CRYSTAL NEUTRON-DIFFRACTION INVESTIGATION OF SPODUMENE AT 54 K. Canadian Mineralogist, 2003, 41, 521-527.	1.0	21
94	Evidence of dmisteinbergite (hexagonal form of CaAl2Si2O8) in pseudotachylyte: A tool to constrain the thermal history of a seismic event. American Mineralogist, 2010, 95, 405-409.	1.9	21
95	Coordination polymers based on trinuclear and mononuclear copper-pyrazolate building moieties connected by fumarate or 2-methylfumarate ions. Journal of Organometallic Chemistry, 2012, 714, 74-80.	1.8	21
96	Synthesis and Structural Characterizations of New Coordination Polymers Generated by the Interaction Between the Trinuclear Triangular SBU [Cu₃(Î¼₃-OH)(Î¼-pz)₃]²⁺ and 4,4â€²-Bipyridine. 3Â°. Crystal Growth and Design, 2015, 15, 4854-4862.	3.0	21
97	Crystallographic orientations of olivine inclusions in diamonds. Lithos, 2016, 265, 312-316.	1.4	21
98	OH incorporation in nearly pure MgAl2O4 natural and synthetic spinels. Geochimica Et Cosmochimica Acta, 2008, 72, 475-479.	3.9	20
99	The high-pressure behavior of an Al- and Fe-rich natural orthopyroxene. American Mineralogist, 2008, 93, 644-652.	1.9	20
100	Olivine thermal emissivity under extreme temperature ranges: Implication for Mercury surface. Earth and Planetary Science Letters, 2013, 371-372, 252-257.	4.4	20
101	OxycalcioromÃ©ite, Ca₂Sb₂O₆O, from Buca della Vena mine, Apuan Alps, Tuscany, Italy: a new member of the pyrochlore supergroup. Mineralogical Magazine, 2013, 77, 3027-3037.	1.4	20
102	Tondiite, Cu₃Mg(OH)₆Cl₂, the Mg-analogue of herbertsmithite. Mineralogical Magazine, 2014, 78, 583-590.	1.4	20
103	Interaction of the Trinuclear Triangular Secondary Building Unit [Cu₃(Î¼₃-OH)(Î¼-pz)₃]²⁺ with 4,4â€²-Bipyridine. Structural Characterizations of New Coordination Polymers and Hexanuclear Cu^{II} Clusters. 2Â°. Crystal Growth and Design, 2015, 15, 1259-1272.	3.0	20
104	<i>OrientXplot</i>: a program to analyse and display relative crystal orientations. Journal of Applied Crystallography, 2015, 48, 1330-1334.	4.5	20
105	Diamond and its olivine inclusions: A strange relation revealed by ab initio simulations. Earth and Planetary Science Letters, 2016, 435, 31-35.	4.4	20
106	Pseudotachylyte Alteration and the Rapid Fade of Earthquake Scars From the Geological Record. Geophysical Research Letters, 2020, 47, e2020GL090020.	4.0	20
107	Mineral inclusions are not immutable: Evidence of post-entrapment thermally-induced shape change of quartz in garnet. Earth and Planetary Science Letters, 2021, 555, 116708.	4.4	20
108	Charge-density analysis of spodumene (LiAlSi2O6), from ab initio Hartree?Fock calculations. Physics and Chemistry of Minerals, 2003, 30, 606-614.	0.8	19

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109	Tl-bearing sulfosalt from the Lengenbach quarry, Binn Valley, Switzerland: Philrothite, TlAs3S5. Mineralogical Magazine, 2014, 78, 1-9.	1.4	19
110	Shilovite, natural copper(II) tetrammine nitrate, a new mineral species. Mineralogical Magazine, 2015, 79, 613-623.	1.4	19
111	Toward a Robust Elastic Geobarometry of Kyanite Inclusions in Eclogitic Diamonds. Journal of Geophysical Research: Solid Earth, 2018, 123, 6411-6423.	3.4	19
112	Fe-rich ferropericlase and magnesiowÃ¼stite inclusions reflecting diamond formation rather than ambient mantle. Geology, 2019, 47, 27-30.	4.4	19
113	Crystallographic orientations of magnesiochromite inclusions in diamonds: what do they tell us?. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	19
114	RIETVELD REFINEMENT OF CLINOPYROXENES WITH INTERMEDIATE Ca-CONTENT ALONG THE JOIN DIOPSIDE ENSTATITE. Canadian Mineralogist, 2005, 43, 1411-1421.	1.0	18
115	Spontaneous strain variations through the low-temperature displacive phase transition of LiGaSi2O6 clinopyroxene. European Journal of Mineralogy, 2009, 21, 599-614.	1.3	18
116	High-pressure phase transition of a natural pigeonite. American Mineralogist, 2010, 95, 300-311.	1.9	18
117	New accurate compression data for Î³-Fe2SiO4. Physics of the Earth and Planetary Interiors, 2010, 183, 421-425.	1.9	18
118	High-pressure behavior of Ca/Na clinopyroxenes: The effect of divalent and trivalent 3d-transition elements. American Mineralogist, 2010, 95, 832-838.	1.9	18
119	Pressure-volume equation of state for chromite and magnesiochromite: A single-crystal X-ray diffraction investigation. American Mineralogist, 2014, 99, 1248-1253.	1.9	18
120	Reaction of Copper(II) Chloroacetate with Pyrazole. Synthesis of a One-Dimensional Coordination Polymer and Unexpected Dehydrochlorination Reaction. Crystal Growth and Design, 2015, 15, 5910-5918.	3.0	18
121	An atomic force microscopy study of diamond dissolution features: The effect of H2O and CO2 in the fluid on diamond morphology. American Mineralogist, 2011, 96, 1768-1775.	1.9	17
122	Synchrotron MÃ¶ssbauer Source technique for in situ measurement of iron-bearing inclusions in natural diamonds. Lithos, 2016, 265, 328-333.	1.4	17
123	Inclusions in super-deep diamonds: windows on the very deep Earth. Rendiconti Lincei, 2017, 28, 595-604.	2.2	17
124	Mn-rich graftonite, ferrisicklerite, stanÄ›kite and Mn-rich vivianite in a granitic pegmatite at SoÃ¨ Valley, central Alps, Italy. Mineralogical Magazine, 2007, 71, 579-585.	1.4	16
125	Re-investigation of the crystal structure of enstatite under high-pressure conditions. American Mineralogist, 2012, 97, 1741-1748.	1.9	16
126	In-situ high-temperature emissivity spectra and thermal expansion of C2/c pyroxenes: Implications for the surface of Mercury. American Mineralogist, 2014, 99, 786-792.	1.9	16

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127	Toward an accurate ab initio estimation of compressibility and thermal expansion of diamond in the [0, 3000 K] temperature and [0, 30 GPa] pressures ranges, at the hybrid HF/DFT theoretical level. American Mineralogist, 2014, 99, 1147-1154.	1.9	16
128	Garnet, the archetypal cubic mineral, grows tetragonal. Scientific Reports, 2019, 9, 14672.	3.3	16
129	Diamonds and the Mantle Geodynamics of Carbon. , 2019, , 89-128.		16
130	High-T phase transition of synthetic ANaB(LiMg)CMg5Si8O22(OH)2 amphibole: an X-ray synchrotron powder diffraction and FTIR spectroscopic study. Physics and Chemistry of Minerals, 2005, 32, 515-523.	0.8	15
131	High temperature single crystal investigation in a clinopyroxene of composition (Na0.5Ca0.5)(Cr0.5Mg0.5)Si2O6. European Journal of Mineralogy, 2005, 17, 297-304.	1.3	15
132	Crystal chemistry of hydration in aluminous orthopyroxene. American Mineralogist, 2007, 92, 973-976.	1.9	15
133	The high-pressure C2/câ€“P21/c phase transition along the LiAlSi2O6â€“LiGaSi2O6 solid solution. Physics and Chemistry of Minerals, 2008, 35, 477-484.	0.8	15
134	Bulk modulus variation along the diopsidekosmochlor solid solution. European Journal of Mineralogy, 2009, 21, 591-597.	1.3	15
135	(Na,Ca)(Ti3+,Mg)Si2O6-clinopyroxenes at high pressure: influence of cation substitution on elastic behavior and phase transition. Physics and Chemistry of Minerals, 2010, 37, 25-43.	0.8	15
136	The crystal structure of dalnegroite, Tl5â^'xPb2x(As,Sb)21â^'xS34: a masterpiece of structural complexity. Mineralogical Magazine, 2010, 74, 999-1012.	1.4	15
137	High-pressure behavior of the synthetic Ca2Sb2O7 weberite-type compound. Solid State Sciences, 2011, 13, 1092-1095.	3.2	15
138	ManganoblÃ¶dite, Na2Mn(SO4)2Â·4H2O, and cobaltoblÃ¶dite, Na2Co(SO4)2Â·4H2O: two new members of the blÃ¶dite group from the Blue Lizard mine, San Juan County, Utah, USA. Mineralogical Magazine, 2013, 77, 367-383.	1.4	15
139	Equation of state of hercynite, FeAl₂O₄, and high-pressure systematics of Mg-Fe-Cr-Al spinels. Mineralogical Magazine, 2015, 79, 285-294.	1.4	15
140	The structure of Pbca orthopyroxenes along the join diopside-enstatite (CaMgSi2O6-Mg2Si2O6). European Journal of Mineralogy, 2003, 15, 365-371.	1.3	14
141	High-pressure phase transitions in Ca_{0.2}Sr_{0.8}Al₂Si₂O₈feldspar. American Mineralogist, 2004, 89, 1474-1479.	1.9	14
142	Minerals at high pressure. Mechanics of compression from quantum mechanical calculations in a case study: the beryl (Al4Be6Si12O36). Physics and Chemistry of Minerals, 2006, 34, 37-52.	0.8	14
143	COMPRESSIBILITY AND HIGH-PRESSURE BEHAVIOR OF Ab63Or27An10 ANORTHOCLASE. Canadian Mineralogist, 2008, 46, 1443-1454.	1.0	14
144	Inclusion Properties, Polymorphism and Desolvation Kinetics in a New 2-Pyridyl Iminophenol Compound with 1D Nanochannels. Crystal Growth and Design, 2009, 9, 3749-3758.	3.0	14

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145	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
146	High-pressure structural evolution and equation of state of analbite. American Mineralogist, 2011, 96, 383-392.	1.9	14
147	On the high-pressure behavior of gobbinsite, the natural counterpart of the synthetic zeolite Naâ€“P2. Microporous and Mesoporous Materials, 2012, 163, 259-269.	4.4	14
148	Arsenic-bearing new mineral species from Valletta mine, Maira Valley, Piedmont, Italy: I. Grandaite, Sr₂Al(AsO₄)₂(OH), description and crystal structure. Mineralogical Magazine, 2014, 78, 757-774.	1.4	14
149	Firstâ€principle modelling of forsterite surface properties: Accuracy of methods and basis sets. Journal of Computational Chemistry, 2015, 36, 1439-1445.	3.3	14
150	Record of intermediate-depth subduction seismicity in a dry slab from an exhumed ophiolite. Earth and Planetary Science Letters, 2020, 548, 116490.	4.4	14
151	Crystallographic Methods for Non-destructive Characterization of Mineral Inclusions in Diamonds. Reviews in Mineralogy and Geochemistry, 2022, 88, 257-305.	4.8	14
152	On the thermo-elastic behaviour of kyanite: a neutron powder diffraction study up to 1200Â°C. Mineralogical Magazine, 2006, 70, 309-317.	1.4	13
153	Effects of non-stoichiometry on the spinel structure at high pressure: Implications for Earthâ€™s mantle mineralogy. Geochimica Et Cosmochimica Acta, 2009, 73, 489-492.	3.9	13
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