

Bruno Reynard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4685273/publications.pdf>

Version: 2024-02-01

141
papers

6,967
citations

50170

46
h-index

69108

77
g-index

151
all docs

151
docs citations

151
times ranked

6808
citing authors

#	ARTICLE	IF	CITATIONS
1	Clumped isotope evidence for Early Jurassic extreme polar warmth and high climate sensitivity. <i>Climate of the Past</i> , 2022, 18, 435-448.	1.3	5
2	3D microstructural study of selachimorph enameloid evolution. <i>Journal of Structural Biology</i> , 2021, 213, 107664.	1.3	4
3	Mo(VI) dithiocarbamate with no pre-existing Mo-S-Mo core as an active lubricant additive. <i>Tribology International</i> , 2021, 154, 106690.	3.0	6
4	Pushing Raman spectroscopy over the edge: purported signatures of organic molecules in fossil animals are instrumental artefacts. <i>BioEssays</i> , 2021, 43, e2000295.	1.2	23
5	Impact glasses from Belize represent tektites from the Pleistocene Pantasma impact crater in Nicaragua. <i>Communications Earth & Environment</i> , 2021, 2, 94.	2.6	14
6	A 650 km ² Miocene strewnfield of splash-form impact glasses in the Atacama Desert, Chile. <i>Earth and Planetary Science Letters</i> , 2021, 569, 117049.	1.8	4
7	A carbonaceous chondrite and cometary origin for icy moons of Jupiter and Saturn. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115920.	1.8	25
8	Interplay between internal stresses and matrix stiffness influences hydrothermal ageing behaviour of zirconia-toughened-alumina. <i>Acta Materialia</i> , 2020, 185, 55-65.	3.8	19
9	New insights into the structure and formation of coals, terrestrial and extraterrestrial kerogens from resonant UV Raman spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 282, 156-176.	1.6	16
10	Porosity of metamorphic rocks and fluid migration within subduction interfaces. <i>Earth and Planetary Science Letters</i> , 2019, 522, 107-117.	1.8	20
11	Pantasma: Evidence for a Pleistocene circa 14 km diameter impact crater in Nicaragua. <i>Meteoritics and Planetary Science</i> , 2019, 54, 880-901.	0.7	13
12	High-pressure yield strength of rocksalt structures using quartz Raman piezometry. <i>Comptes Rendus - Geoscience</i> , 2019, 351, 71-79.	0.4	4
13	Multi-scale characterization of the incipient carbonation of peridotite. <i>Chemical Geology</i> , 2018, 476, 150-160.	1.4	29
14	Deuterium-hydrogen inter-diffusion in chlorite. <i>Chemical Geology</i> , 2018, 493, 518-524.	1.4	5
15	Anharmonic contribution to the stabilization of Mg(OH) ₂ from first principles. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17799-17808.	1.3	10
16	Spark plasma sintering preparation of reference targets for field spectroscopy on Mars. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1419-1425.	1.2	11
17	D/H diffusion in serpentine. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 211, 355-372.	1.6	9
18	Deep crustal fracture zones control fluid escape and the seismic cycle in the Cascadia subduction zone. <i>Earth and Planetary Science Letters</i> , 2017, 460, 1-11.	1.8	21

#	ARTICLE	IF	CITATIONS
19	A testing protocol combining shocks, hydrothermal ageing and friction, applied to Zirconia Toughened Alumina (ZTA) hip implants. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 65, 600-608.	1.5	28
20	Ageing, Shocks and Wear Mechanisms in ZTA and the Long-Term Performance of Hip Joint Materials. <i>Materials</i> , 2017, 10, 569.	1.3	23
21	Structural changes in perylene from UV Raman spectroscopy up to 1 GPa. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 720-725.	1.2	5
22	Effects of in vitro shocks and hydrothermal degradation on wear of ceramic hip joints: Towards better experimental simulation of in vivo ageing. <i>Tribology International</i> , 2016, 100, 410-419.	3.0	14
23	Mantle hydration and Cl-rich fluids in the subduction forearc. <i>Progress in Earth and Planetary Science</i> , 2016, 3, .	1.1	18
24	Multi-mode conversion imaging of the subducted Gorda and Juan de Fuca plates below the North American continent. <i>Earth and Planetary Science Letters</i> , 2016, 440, 135-146.	1.8	28
25	Plasticity of the dense hydrous magnesium silicate phase A at subduction zones conditions. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 248, 1-11.	0.7	1
26	Carbonate mineralization in percolated olivine aggregates: Linking effects of crystallographic orientation and fluid flow. <i>American Mineralogist</i> , 2015, 100, 474-482.	0.9	30
27	Special issue "Geofluid processes in subduction zones and mantle dynamics". <i>Earth, Planets and Space</i> , 2015, 67, .	0.9	8
28	Tectonic significance of serpentinites. <i>Tectonophysics</i> , 2015, 646, 1-19.	0.9	174
29	Lattice Vibrations and Spectroscopy of Mantle Phases. , 2015, , 203-231.		3
30	Serpentines, talc, chlorites, and their high-pressure phase transitions: a Raman spectroscopic study. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 641-649.	0.3	21
31	Model formation of ZDDP tribofilm from a mixture of zinc metaphosphate and goethite. <i>Tribology International</i> , 2014, 79, 197-203.	3.0	22
32	Pressure-induced P21/c phase transition of natural orthoenstatite: The effect of high temperature and its geophysical implications. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 228, 150-159.	0.7	14
33	Measurement of water contents in olivine using Raman spectroscopy. <i>American Mineralogist</i> , 2014, 99, 149-156.	0.9	24
34	Deformation mechanisms and rheology of serpentines in experiments and in nature. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 4640-4655.	1.4	49
35	Trace elements and their isotopes in bones and teeth: Diet, environments, diagenesis, and dating of archeological and paleontological samples. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 416, 4-16.	1.0	91
36	Elasticity of lawsonite and seismological signature of metamorphism and water cycling in the subducting oceanic crust. <i>Journal of Metamorphic Geology</i> , 2014, 32, 479-487.	1.6	16

#	ARTICLE	IF	CITATIONS
37	Degradation of alumina and zirconia toughened alumina (ZTA) hip prostheses tested under microseparation conditions in a shock device. <i>Tribology International</i> , 2013, 63, 151-157.	3.0	14
38	Raman spectroscopic properties and Raman identification of $\text{CaMgMnFeCr}_2\text{FeS}_4$ sulfides in meteorites and reduced sulfur-rich systems. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1415-1426.	0.7	68
39	Structural Changes in Tribo-Stressed Zinc Polyphosphates. <i>Tribology Letters</i> , 2013, 51, 489-498.	1.2	31
40	Anharmonicity of graphite from UV Raman spectroscopy to 2700K. <i>Carbon</i> , 2013, 54, 68-75.	5.4	18
41	Serpentine in active subduction zones. <i>Lithos</i> , 2013, 178, 171-185.	0.6	179
42	Pressure-temperature estimates of the lizardite/antigorite transition in high pressure serpentinites. <i>Lithos</i> , 2013, 178, 197-210.	0.6	238
43	High-pressure elasticity of serpentine and seismic properties of the hydrated mantle wedge. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 527-535.	1.4	44
44	Pressure-induced Pbc ₂ /c phase transition of natural orthoenstatite: Compositional effect and its geophysical implications. <i>American Mineralogist</i> , 2013, 98, 986-992.	0.9	15
45	Carbon and oxygen isotope fractionations between aragonite and calcite of shells from modern molluscs. <i>Chemical Geology</i> , 2012, 332-333, 92-101.	1.4	48
46	Stable carbon and oxygen isotope compositions of invertebrate carbonate shells and the reconstruction of paleotemperatures and paleosalinities: A case study of the early Pleistocene of Rhodes, Greece. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 350-352, 39-48.	1.0	11
47	Creep of phyllosilicates at the onset of plate tectonics. <i>Earth and Planetary Science Letters</i> , 2012, 345-348, 142-150.	1.8	59
48	Electrical conductivity of the serpentinitised mantle and fluid flow in subduction zones. <i>Earth and Planetary Science Letters</i> , 2011, 307, 387-394.	1.8	100
49	Early Archean serpentine mud volcanoes at Isua, Greenland, as a niche for early life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17639-17643.	3.3	90
50	Elasticity of glaucophane, seismic velocities and anisotropy of the subducted oceanic crust. <i>Tectonophysics</i> , 2010, 494, 201-210.	0.9	67
51	High-temperature elastic softening of orthopyroxene and seismic properties of the lithospheric upper mantle. <i>Geophysical Journal International</i> , 2010, 181, 557-566.	1.0	12
52	Electron backscattering diffraction (EBSD) measurements of antigorite lattice preferred orientations (LPO). <i>Journal of Microscopy</i> , 2010, 239, 245-248.	0.8	27
53	Earthquakes and plastic deformation of anhydrous slab mantle in double Wadati-Benioff zones. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	48
54	Elasticity of antigorite, seismic detection of serpentinites, and anisotropy in subduction zones. <i>Earth and Planetary Science Letters</i> , 2010, 289, 198-208.	1.8	147

#	ARTICLE	IF	CITATIONS
55	Graphitic carbon nitride C ₆ N ₉ H ₃ ·HCl: Characterisation by UV and near-IR FT Raman spectroscopy. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2670-2677.	1.4	80
56	Precursor and metamorphic condition effects on Raman spectra of poorly ordered carbonaceous matter in chondrites and coals. <i>Earth and Planetary Science Letters</i> , 2009, 287, 185-193.	1.8	113
57	D/H isotopic fractionation between brucite Mg(OH) ₂ and water from first-principles vibrational modeling. <i>Chemical Geology</i> , 2009, 262, 159-168.	1.4	37
58	Stability and dynamics of serpentinite layer in subduction zone. <i>Tectonophysics</i> , 2009, 465, 24-29.	0.9	68
59	Boundary Lubrication by Pure Crystalline Zinc Orthophosphate Powder in Oil. <i>Tribology Letters</i> , 2008, 31, 139-148.	1.2	14
60	Rapid identification of steatite↔enstatite polymorphs at various temperatures. <i>Journal of the European Ceramic Society</i> , 2008, 28, 2459-2462.	2.8	28
61	New experimental constraints on the composition and structure of tholins. <i>Icarus</i> , 2008, 198, 218-231.	1.1	144
62	Secondary ionization mass spectrometry imaging of dilute stable strontium labeling in dentin and enamel. <i>Bone</i> , 2008, 42, 229-234.	1.4	14
63	Akimotoite in the Tenham meteorite: Crystal chemistry and high-pressure transformation mechanisms. <i>Earth and Planetary Science Letters</i> , 2008, 275, 26-31.	1.8	33
64	Analysis of coupled Sr/Ca and ⁸⁷ Sr/ ⁸⁶ Sr variations in enamel using laser-ablation tandem quadrupole-multicollector ICPMS. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3980-3990.	1.6	32
65	Tholins and their relevance for astrophysical issues. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 409-416.	0.0	4
66	Study of inorganic fullerenes and carbon nanotubes by in situ Raman tribometry. <i>Applied Physics Letters</i> , 2007, 91, 153107.	1.5	18
67	High-Pressure Creep of Serpentine, Interseismic Deformation, and Initiation of Subduction. <i>Science</i> , 2007, 318, 1910-1913.	6.0	331
68	Shock-induced metallic iron nanoparticles in olivine-rich Martian meteorites. <i>Earth and Planetary Science Letters</i> , 2007, 262, 37-49.	1.8	53
69	Shock-induced transformation of olivine to a new metastable (Mg,Fe) ₂ SiO ₄ polymorph in Martian meteorites. <i>Earth and Planetary Science Letters</i> , 2007, 261, 469-475.	1.8	36
70	Zinc phosphate chain length study under high hydrostatic pressure by Raman spectroscopy. <i>Journal of Applied Physics</i> , 2007, 101, 063505.	1.1	27
71	Elasticity of serpentines and extensive serpentinization in subduction zones. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	42
72	Equation of state of antigorite, stability field of serpentines, and seismicity in subduction zones. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	62

#	ARTICLE	IF	CITATIONS
73	Magnetite-like nanocrystals formed by laser-driven shocks in siderite. <i>Earth and Planetary Science Letters</i> , 2006, 243, 820-827.	1.8	22
74	Petrography and geochemistry of the chassignite Northwest Africa 2737 (NWA 2737). <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2127-2139.	1.6	78
75	Quantification of water content and speciation in natural silicic glasses (phonolite, dacite, rhyolite) by confocal microRaman spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2868-2884.	1.6	84
76	Reflectance spectra and chemical structure of Titan's tholins: Application to the analysis of Cassini's Huygens observations. <i>Icarus</i> , 2006, 185, 301-307.	1.1	84
77	An extended field of crater-shaped structures in the Gilf Kebir region, Egypt: Observations and hypotheses about their origin. <i>Journal of African Earth Sciences</i> , 2006, 46, 281-299.	0.9	32
78	P-V Equations of State and the relative stabilities of serpentine varieties. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 629-637.	0.3	45
79	High-pressure behavior of synthetic antigorite in the MgO-SiO ₂ -H ₂ O system from Raman spectroscopy. <i>American Mineralogist</i> , 2006, 91, 459-462.	0.9	27
80	Pressure-induced exfoliation of inorganic fullerene-like WS ₂ particles in a Hertzian contact. <i>Journal of Applied Physics</i> , 2006, 99, 023524.	1.1	86
81	Analysis of molecular oxygen formation in irradiated glasses: a Raman depth profile study. <i>Journal of Nuclear Materials</i> , 2005, 340, 209-213.	1.3	52
82	Silica as a shock index in shergottites: A cathodoluminescence study. <i>Meteoritics and Planetary Science</i> , 2005, 40, 967-979.	0.7	18
83	Boron isotopic fractionation between minerals and fluids: New insights from in situ high pressure-high temperature vibrational spectroscopic data. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 4301-4313.	1.6	57
84	Kinetics of antigorite dehydration: A real-time X-ray diffraction study. <i>Earth and Planetary Science Letters</i> , 2005, 236, 899-913.	1.8	112
85	Determination of trace element partition coefficients between water and minerals by high-pressure and high-temperature experiments: Leaching technique. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	1.0	6
86	Progress in quantitative elemental analyses in high-P fluids using synchrotron x-ray fluorescence (SXRF). <i>Journal of Physics Condensed Matter</i> , 2004, 16, S1197-S1206.	0.7	8
87	¹² C irradiation in borosilicate glasses: the role of the mixed alkali effect. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004, 218, 176-182.	0.6	49
88	High-pressure behaviour of serpentine minerals: a Raman spectroscopic study. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 269-277.	0.3	176
89	Rare earth element evolution of Phanerozoic seawater recorded in biogenic apatites. <i>Chemical Geology</i> , 2004, 204, 63-102.	1.4	152
90	Can crystallinity be used to determine the degree of chemical alteration of biogenic apatites?. <i>Chemical Geology</i> , 2004, 205, 83-97.	1.4	182

#	ARTICLE	IF	CITATIONS
91	Stable isotope fractionation between mollusc shells and marine waters from Martinique Island. <i>Chemical Geology</i> , 2004, 213, 293-305.	1.4	79
92	High-pressure and high-temperature Raman spectroscopy of carbonate ions in aqueous solution. <i>Chemical Geology</i> , 2004, 207, 47-58.	1.4	51
93	Discovery of the largest impact crater field on Earth in the Gifl Kebir region, Egypt. <i>Comptes Rendus - Geoscience</i> , 2004, 336, 1491-1500.	0.4	36
94	Discovery of a double impact crater in Libya: the astrobleme of Arkenu. <i>Comptes Rendus - Geoscience</i> , 2003, 335, 1059-1069.	0.4	33
95	Raman spectroscopy study of \hat{I}^2 -irradiated silica glass. <i>Journal of Non-Crystalline Solids</i> , 2003, 325, 22-28.	1.5	60
96	Raman spectroscopic study of garnet inclusions in diamonds from the mantle transition zone. <i>American Mineralogist</i> , 2002, 87, 312-317.	0.9	34
97	Raman spectra of ilmenite-type phases on the $Mg_4Si_4O_{12}$ - $Mg_3Al_2Si_3O_{12}$ join. <i>European Journal of Mineralogy</i> , 2002, 14, 745-747.	0.4	1
98	Optimization of Sm^{3+} fluorescence in Sm-doped yttrium aluminum garnet: Application to pressure calibration in diamond-anvil cell at high temperature. <i>Journal of Applied Physics</i> , 2002, 92, 4349-4353.	1.1	27
99	$^{11}B/^{10}B$ analysis of geological materials by ICP-MS Plasma 54: Application to the boron fractionation between brachiopod calcite and seawater. <i>Chemical Geology</i> , 2002, 186, 45-55.	1.4	101
100	Micro-Raman and EPR studies of \hat{I}^2 -radiation damages in aluminosilicate glass. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 191, 337-341.	0.6	25
101	Evolution of nuclear glass structure under \hat{I}^{\pm} -irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000, 166-167, 445-450.	0.6	48
102	Migration and segregation of sodium under \hat{I}^2 -irradiation in nuclear glasses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000, 166-167, 500-504.	0.6	59
103	A high-temperature and high-pressure Raman spectroscopic study of $CaGeO_3$ garnet. <i>Physics and Chemistry of Minerals</i> , 2000, 27, 213-219.	0.3	8
104	Temperature and time-dependent changes of structure in phosphorus containing aluminosilicate liquids and glasses: in situ Raman spectroscopy at high temperature. <i>Journal of Non-Crystalline Solids</i> , 2000, 263-264, 123-131.	1.5	20
105	Equations of state of ^{12}C and ^{13}C diamond. <i>Physical Review B</i> , 1999, 60, 14660-14664.	1.1	51
106	A Raman spectroscopic study of shock-wave densification of vitreous silica. <i>Physics and Chemistry of Minerals</i> , 1999, 26, 304-311.	0.3	87
107	A Raman spectroscopic study of shock-wave densification of anorthite ($CaAl_2Si_2O_8$) glass. <i>Physics and Chemistry of Minerals</i> , 1999, 26, 432-436.	0.3	36
108	Crystal-chemical controls on rare-earth element concentrations in fossil biogenic apatites and implications for paleoenvironmental reconstructions. <i>Chemical Geology</i> , 1999, 155, 233-241.	1.4	336

#	ARTICLE	IF	CITATIONS
109	Hydrothermalism and diapirism in the Archean: gravitational instability constraints. <i>Tectonophysics</i> , 1999, 304, 29-39.	0.9	21
110	Raman study of $\hat{\Gamma}_2$ -irradiated glasses. <i>Journal of Non-Crystalline Solids</i> , 1999, 243, 268-272.	1.5	94
111	High-pressure equation of state of magnesite; new data and a reappraisal. <i>American Mineralogist</i> , 1999, 84, 856-860.	0.9	39
112	The effect of iron on the P21/c to C2/c transition in (Mg,Fe)SiO ₃ clinopyroxenes. <i>European Journal of Mineralogy</i> , 1999, 11, 585-590.	0.4	49
113	Symmetry and disorder in garnets on the pyrope (Mg ₃ Al ₂ Si ₃ O ₁₂)-majorite (Mg ₄ Si ₄ O ₁₂) join from Cr ³⁺ luminescence spectroscopy. <i>Geophysical Research Letters</i> , 1998, 25, 195-198.	1.5	2
114	High-temperature Raman spectroscopy of Na ₂ TiSi ₂ O ₇ glass and melt: coordination of Ti ⁴⁺ and nature of the configurational changes in the liquid. <i>European Journal of Mineralogy</i> , 1998, 10, 49-58.	0.4	41
115	High-pressure Raman spectroscopic study of Mn ₂ GeO ₄ , Ca ₂ GeO ₄ , Ca ₂ SiO ₄ , and CaMgGeO ₄ olivines. <i>Physics and Chemistry of Minerals</i> , 1997, 24, 77-84.	0.3	26
116	Raman Spectroscopic Investigations of Dicalcium Silicate: Polymorphs and High-Temperature Phase Transformations. <i>Journal of the American Ceramic Society</i> , 1997, 80, 413-423.	1.9	58
117	Orthopyroxene-andalusite symplectites replacing cordierite in granulites from the Strangways Range (Arunta block, central Australia): A new twist to the pressure-temperature history. <i>Geology</i> , 1997, 25, 215.	2.0	18
118	High-pressure luminescence spectroscopy of transition elements: experimental setup and preliminary results on Cr ³⁺ in silicate glasses. <i>Chemical Geology</i> , 1996, 128, 65-75.	1.4	14
119	High-temperature alteration of oceanic gabbros by seawater (Hess Deep, Ocean Drilling Program Leg) Tj ETQq1 1 0.784314 rgBT /Overle 15883-15897.	3.3	46
120	High-pressure, high-temperature Raman spectroscopic study of ilmenite-type MgSiO ₃ . <i>American Mineralogist</i> , 1996, 81, 1092-1096.	0.9	42
121	High-temperature Raman spectroscopic and X-ray diffraction study of beta -Mg ₂ SiO ₄ ; insights into its high-temperature thermodynamic properties and the beta - to alpha -phase-transition mechanism and kinetics. <i>American Mineralogist</i> , 1996, 81, 585-594.	0.9	31
122	High-pressure X-ray diffraction study and equation of state of MgSiO ₃ ilmenite. <i>American Mineralogist</i> , 1996, 81, 45-50.	0.9	37
123	High-temperature properties of geikielite (MgTiO ₃ -ilmenite) from high-temperature high-pressure Raman spectroscopy ? Some implications for MgSiO ₃ -ilmenite. <i>Physics and Chemistry of Minerals</i> , 1994, 21, 441.	0.3	55
124	Pressure-induced structural modifications in Mg ₂ GeO ₄ -olivine: A Raman spectroscopic study. <i>Physics and Chemistry of Minerals</i> , 1994, 20, 556-562.	0.3	22
125	A study of SiO ₂ glass and supercooled liquid to 1950 K via high-temperature Raman spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3653-3664.	1.6	229
126	Raman spectroscopic studies of carbonates part I: High-pressure and high-temperature behaviour of calcite, magnesite, dolomite and aragonite. <i>Physics and Chemistry of Minerals</i> , 1993, 20, 1.	0.3	160

#	ARTICLE	IF	CITATIONS
127	Experimental evidence for carbonate stability in the Earth's lower mantle. Earth and Planetary Science Letters, 1993, 118, 31-41.	1.8	158
128	Raman spectroscopy at mantle pressure and temperature conditions experimental setâ€p and the example of CaTiO ₃ perovskite. Geophysical Research Letters, 1993, 20, 1931-1934.	1.5	31
129	High pressure structural study of MnGeO ₃ ilmenite. Zeitschrift Fur Kristallographie - Crystalline Materials, 1993, 204, .	0.4	2
130	Infrared reflectivity of $\hat{1}^3$ -(spinel)Ni ₂ SiO ₄ . European Journal of Mineralogy, 1993, 5, 31-36.	0.4	5
131	High-pressure stability of carbonates: quenching of calcite-II, high-pressure polymorph of CaCO ₃ . European Journal of Mineralogy, 1993, 5, 503-510.	0.4	17
132	Thermodynamic and anharmonic properties of forsterite, $\hat{1}^{\pm}\hat{M}g_{2}SiO_{4}$: Computer modelling versus highâ€pressure and highâ€temperature measurements. Journal of Geophysical Research, 1992, 97, 19791-19801.	3.3	17
133	Pressure-induced structural modifications and amorphization in olivine compounds. Chemical Geology, 1992, 96, 411-420.	1.4	51
134	Structure of high-pressure MnGeO ₃ ilmenite. Acta Crystallographica Section C: Crystal Structure Communications, 1991, 47, 1794-1796.	0.4	1
135	Single-crystal infrared reflectivity of pure Mg ₂ SiO ₂ forsterite and (Mg _{0.86} ,Fe _{0.14}) ₂ SiO ₄ olivine. Physics and Chemistry of Minerals, 1991, 18, 19.	0.3	31
136	On the entropy of glaucophane Na ₂ Mg ₃ Al ₂ Si ₈ O ₂₂ (OH) ₂ . Contributions To Mineralogy and Petrology, 1991, 107, 484-486.	1.2	7
137	Thermal expansion of mantle minerals at high pressuresâ€”A theoretical study. Geophysical Research Letters, 1990, 17, 689-692.	1.5	36
138	Thermodynamic properties of glaucophane new data from calorimetric and spectroscopic measurements. Physics and Chemistry of Minerals, 1989, 16, 659.	0.3	28
139	Deformation mechanisms in naturally deformed glaucophanes: a TEM and HREM study. European Journal of Mineralogy, 1989, 1, 611-624.	0.4	33
140	Coexisting amphiboles in an eclogite from the Western Alps: new constraints on the miscibility gap between sodic and calcic amphiboles. Journal of Metamorphic Geology, 1988, 6, 333-350.	1.6	40
141	Raman spectroscopy at high pressure and temperature for the study of the Earthâ€™s mantle and planetary minerals. , 0, , 367-390.		4