

Giacomo D Gatta

List of Publications by Year in descending order

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205
papers

3,969
citations

136740

32
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189595

50
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208
all docs

208
docs citations

208
times ranked

3001
citing authors

#	ARTICLE	IF	CITATIONS
1	May a comprehensive mineralogical study of a jackstone calculus and some other human bladder stones unveil health and environmental implications?. <i>Environmental Geochemistry and Health</i> , 2022, 44, 3297-3320.	1.8	3
2	High-pressure behaviour and atomic-scale deformation mechanisms in inyoite, $\text{CaB}_3\text{O}_3(\text{OH})_5 \cdot 4\text{H}_2\text{O}$. <i>Physics and Chemistry of Minerals</i> , 2022, 49, 1.	0.3	5
3	A Multi-Methodological Investigation of Natural and Synthetic Red Beryl Gemstones. <i>Minerals (Basel)</i> , 2022, 12, 1094. TJ ETQq1 1 0.784314 rgBT /Ove	0.8	1
4	On the crystal-chemistry of meyerhofferite, $\text{CaB}_3\text{O}_3(\text{OH})_5 \cdot \text{H}_2\text{O}$. <i>Physics and Chemistry of Minerals</i> , 2022, 49, .	0.3	0
5	Thermal and compressional behavior of the natural borate kurnakovite, $\text{MgB}_3\text{O}_3(\text{OH})_5 \cdot 5\text{H}_2\text{O}$. <i>Construction and Building Materials</i> , 2021, 266, 121094.	3.2	9
6	$\text{Cs}(\text{Be}_2\text{Li})\text{Al}_2\text{Si}_6\text{O}_{18}$, a cesium-stuffed host-guest structure, and its structure-property variations with temperature and pressure. <i>Journal of Solid State Chemistry</i> , 2021, 293, 121841.	1.4	1
7	Age, palaeoenvironment, and preservation of prehistoric petroglyphs on a boulder in the oasis of Salut (northern Sultanate of Oman). <i>Quaternary International</i> , 2021, 572, 106-119.	0.7	10
8	Podiform magnetite ore(s) in the Sabzevar ophiolite (NE Iran): oceanic hydrothermal alteration of a chromite deposit. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	3
9	Where is the Hydrogen?. <i>Elements</i> , 2021, 17, 163-168.	0.5	4
10	Phase transition and high-pressure behavior of ulexite, a potential aggregate in radiation-shielding concretes. <i>Construction and Building Materials</i> , 2021, 291, 123188.	3.2	9
11	Archaeometallurgical Analyses on Two Renaissance Swords from the "Luigi Marzoli" Museum in Brescia: Manufacturing and Provenance. <i>Heritage</i> , 2021, 4, 1269-1283.	0.9	3
12	Allanite at high temperature: effect of REE on the thermal behaviour of epidote-group minerals. <i>Physics and Chemistry of Minerals</i> , 2021, 48, 1.	0.3	2
13	Reinvestigation of probertite, $\text{CaNa}[\text{B}_5\text{O}_7(\text{OH})_4] \cdot 3\text{H}_2\text{O}$, a mineral commodity of boron. <i>American Mineralogist</i> , 2021, , .	0.9	0
14	Crystal structure of the high-pressure polymorph of $\text{Ca}_2\text{B}_6\text{O}_{10}(\text{OH})_2 \cdot 2\text{H}_2\text{O}$ (meyerhofferite). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 940-945.	0.5	4
15	The elastic behavior of zeolitic frameworks: The case of MFI type zeolite under high-pressure methanol intrusion. <i>Catalysis Today</i> , 2020, 345, 88-96.	2.2	5
16	Effect of red mud added to zeolite LTA synthesis: Where is Fe in the newly-formed material?. <i>Microporous and Mesoporous Materials</i> , 2020, 298, 110058.	2.2	24
17	High-pressure behaviour and phase stability of $\text{Ca}_2\text{B}_6\text{O}_6(\text{OH})_{10} \cdot 2(\text{H}_2\text{O})$ (meyerhofferite). <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.3	6
18	High-pressure behavior and phase stability of $\text{Na}_2\text{B}_4\text{O}_6(\text{OH})_2 \cdot 3\text{H}_2\text{O}$ (kernite). <i>Journal of the American Ceramic Society</i> , 2020, 103, 5291-5301.	1.9	11

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19	Metallogeny of Serpentine-hosted Magnetite Deposits: Hydrothermal Overgrowth on Chromite or Metamorphic Transformation of Chromite?. <i>Acta Geologica Sinica</i> , 2020, 94, 5-5.	0.8	6
20	Wardite (NaAl ₃ (PO ₄) ₂ (OH) ₄ ·2H ₂ O) at High Pressure: Compressional Behavior and Structure Evolution. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 877.	0.8	0
21	Synchrotron radiation 1/4 X-ray diffraction in transmission geometry for investigating the penetration depth of conservation treatments on cultural heritage stone materials. <i>Analytical Methods</i> , 2020, 12, 1587-1594.	1.3	12
22	Strain partitioning in host rock controls light rare earth element release from allanite-(Ce) in subduction zones. <i>Mineralogical Magazine</i> , 2020, 84, 93-108.	0.6	3
23	A multi-methodological study of kernite, a mineral commodity of boron. <i>American Mineralogist</i> , 2020, 105, 1424-1431.	0.9	6
24	Armstrongite at non-ambient conditions: An in-situ high-pressure single-crystal X-ray diffraction study. <i>Microporous and Mesoporous Materials</i> , 2019, 274, 171-175.	2.2	5
25	Reconstruction of residual melts from the zeolitized explosive products of alkaline-mafic volcanoes. <i>American Mineralogist</i> , 2019, , .	0.9	0
26	H-bonding in lazulite: a single-crystal neutron diffraction study at 298 and 3ÅK. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 449-458.	0.3	0
27	Consolidation of building materials with a phosphate-based treatment: Effects on the microstructure and on the 3D pore network. <i>Materials Characterization</i> , 2019, 154, 315-324.	1.9	11
28	Huenite, Cu ₄ Mo ₃ O ₁₂ (OH) ₂ , a New Copper-molybdenum Oxy-hydroxide Mineral from the San Samuel Mine, Carrera Pinto, Cachiuyo De Llampos District, Copiapu Province, Atacama Region, Chile. <i>Canadian Mineralogist</i> , 2019, 57, 467-474.	0.3	0
29	Thermal stability and high-temperature behavior of the natural borate colemanite: An aggregate in radiation-shielding concretes. <i>Construction and Building Materials</i> , 2019, 203, 679-686.	3.2	28
30	Allanite at high pressure: effect of REE on the elastic behaviour of epidote-group minerals. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 783-793.	0.3	4
31	Minerals in cement chemistry: A single-crystal neutron diffraction study of ettringite, Ca ₆ Al ₂ (SO ₄) ₃ (OH) ₁₂ ·27H ₂ O. <i>American Mineralogist</i> , 2019, 104, 73-78.	0.9	14
32	Diammonium Hydrogenphosphate Treatment on Dolostone: the Role of Mg in the Crystallization Process. <i>Coatings</i> , 2019, 9, 169.	1.2	14
33	Anisotropic compressional behavior of ettringite. <i>Cement and Concrete Research</i> , 2019, 120, 46-51.	4.6	16
34	A multi-methodological study of kurnakovite: A potential B-rich aggregate. <i>American Mineralogist</i> , 2019, 104, 1315-1322.	0.9	6
35	The High-Pressure Structural Evolution of Olivine along the Forsterite-Fayalite Join. <i>Minerals (Basel)</i> , 2019, 9, 1078-1091.	0.8	12
36	The dark colour of the Plutonion at Hierapolis of Phrygiae (Turkey). <i>Archaeometry</i> , 2019, 61, 296-308.	0.6	5

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37	Diammonium hydrogenphosphate for the consolidation of building materials. Investigation of newly-formed calcium phosphates. <i>Construction and Building Materials</i> , 2019, 195, 557-563.	3.2	34
38	A single-crystal neutron diffraction study of wardite, $\text{NaAl}_3(\text{PO}_4)_2(\text{OH})_4 \cdot 2\text{H}_2\text{O}$. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 427-435.	0.3	2
39	Systematics, crystal structures, and occurrences of zeolites. , 2019, , 1-25.		5
40	Plagioclase composition by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 684-698.	1.2	41
41	The effect of pressure on open-framework silicates: elastic behaviour and crystal–fluid interaction. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 115-138.	0.3	44
42	Grazing incidence synchrotron X-ray diffraction of marbles consolidated with diammonium hydrogen phosphate treatments: non-destructive probing of buried minerals. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	9
43	On the labyrinthine world of arsenites: a single-crystal neutron and X-ray diffraction study of cafarsite. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 819-829.	0.3	4
44	Pargasite at high pressure and temperature. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 259-278.	0.3	7
45	Crystal-fluid interactions in laumontite. <i>Microporous and Mesoporous Materials</i> , 2018, 263, 86-95.	2.2	14
46	Crystal chemistry and temperature behavior of the natural hydrous borate colemanite, a mineral commodity of boron. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 405-422.	0.3	17
47	Comparative compressional behavior of chabazite with Li^+ , Na^+ , Ag^+ , K^+ , Rb^+ , and Cs^+ as extra-framework cations. <i>American Mineralogist</i> , 2018, 103, 207-215.	0.9	2
48	$\text{Al}^{\text{IV}}\text{Si}$ ordering in albite: A combined single-crystal X-ray diffraction and Raman spectroscopy study. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 2028-2035.	1.2	7
49	Cation distribution and valence in synthetic $\text{Al}^{\text{IV}}\text{Mn}^{\text{IV}}\text{O}$ and $\text{Fe}^{\text{IV}}\text{Mn}^{\text{IV}}\text{O}$ spinels under varying conditions. <i>Mineralogical Magazine</i> , 2018, 82, 975-992.	0.6	6
50	What's underneath? A non-destructive depth profile of painted stratigraphies by synchrotron grazing incidence X-ray diffraction. <i>Analyst</i> , The, 2018, 143, 4290-4297.	1.7	10
51	High-pressure behavior and P -induced phase transition of $\text{CaB}_3\text{O}_4(\text{OH})_3 \cdot \text{H}_2\text{O}$ (colemanite). <i>Journal of the American Ceramic Society</i> , 2017, 100, 2209-2220.	1.9	16
52	High-pressure Raman spectroscopy of $\text{Ca}(\text{Mg},\text{Co})\text{Si}_2\text{O}_6$ and $\text{Ca}(\text{Mg},\text{Co})\text{Ge}_2\text{O}_6$ clinopyroxenes. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1443-1448.	1.2	13
53	High-pressure Raman spectroscopy on low albite. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 213-220.	0.3	10
54	Synthesis and crystal structure of $\text{Ca}(\text{Co},\text{Mg})\text{Si}_2\text{O}_6$ pyroxenes: effect of the cation substitution on cell volume. <i>Mineralogical Magazine</i> , 2017, 81, 1129-1139.	0.6	5

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55	High-pressure behavior of $(\text{Cs,K})\text{Al}_4\text{Be}_5\text{B}_{11}\text{O}_{28}$ (londonite): A single-crystal synchrotron diffraction study up to 26 GPa. <i>Journal of the American Ceramic Society</i> , 2017, 100, 4893-4901.	1.9	7
56	Dolomite-IV: Candidate structure for a carbonate in the Earth's lower mantle. <i>American Mineralogist</i> , 2017, 102, 1763-1766.	0.9	42
57	On the P-induced behavior of the zeolite phillipsite: an in situ single-crystal synchrotron X-ray diffraction study. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 1-20.	0.3	12
58	Order of $[\text{6}]\text{Ti}^{4+}$ in a Ti-rich calcium amphibole from Kaersut, Greenland: a combined X-ray and neutron diffraction study. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 83-94.	0.3	6
59	Albertiniite, $\text{Fe}^{2+}(\text{SO}_3)\cdot 3\text{H}_2\text{O}$, a new sulfite mineral species from the Monte Falò Pb-Zn mine, Coiromonte, Armeno Municipality, Verbano Cusio Ossola Province, Piedmont, Italy. <i>Mineralogical Magazine</i> , 2016, 80, 985-994.	0.6	4
60	ALPO4-5 zeolite at high pressure: Crystal-fluid interaction and elastic behavior. <i>Microporous and Mesoporous Materials</i> , 2016, 228, 158-167.	2.2	22
61	H-bonding scheme and cation partitioning in axinite: a single-crystal neutron diffraction and Mössbauer spectroscopic study. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 341-352.	0.3	1
62	H-bonding scheme in allactite: a combined single-crystal X-ray and neutron diffraction, optical absorption spectroscopy, FTIR and EPMA-WDS study. <i>Mineralogical Magazine</i> , 2016, 80, 719-732.	0.6	5
63	High-temperature and high-pressure behavior of carbonates in the ternary diagram $\text{CaCO}_3\text{-MgCO}_3\text{-FeCO}_3$. <i>American Mineralogist</i> , 2016, 101, 1423-1430.	0.9	22
64	New insights on pressure, temperature, and chemical stability of $\text{CsAlSi}_5\text{O}_{12}$, a potential host for nuclear waste. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 639-647.	0.3	15
65	A comprehensive evaluation of sedimentary zeolites from Turkey as pozzolanic addition of cement- and lime-based binders. <i>Construction and Building Materials</i> , 2016, 105, 46-61.	3.2	40
66	Cancrinite-group minerals: Crystal-chemical description and properties under non-ambient conditions – A review. <i>American Mineralogist</i> , 2016, 101, 253-265.	0.9	21
67	Behaviour at high pressure of $\text{Rb}_7\text{NaGa}_8\text{Si}_{12}\text{O}_{40}\cdot 3\text{H}_2\text{O}$ (a zeolite with EDI topology): a combined experimental-computational study. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 209-216.	0.3	12
68	Single-crystal neutron diffraction and Mössbauer spectroscopic study of hureaulite, $(\text{Mn,Fe})_5(\text{PO}_4)_2(\text{HPO}_4)_2(\text{H}_2\text{O})_4$. <i>European Journal of Mineralogy</i> , 2016, 28, 93-103.	0.4	6
69	High-pressure behavior of synthetic mordenite-Na: an in situ single-crystal synchrotron X-ray diffraction study. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2015, 230, 201-211.	0.4	18
70	A multi-methodological study of the (K,Ca)-variety of the zeolite merlinoite. <i>Mineralogical Magazine</i> , 2015, 79, 1755-1767.	0.6	6
71	High-pressure behavior and crystal-fluid interaction under extreme conditions in paulingite [PAU-topology]. <i>Microporous and Mesoporous Materials</i> , 2015, 206, 34-41.	2.2	9
72	Compressibility and crystal-fluid interactions in all-silica ferrierite at high pressure. <i>Microporous and Mesoporous Materials</i> , 2015, 218, 42-54.	2.2	20

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73	Topotactic and reconstructive changes at high pressures and temperatures from Cs-natrolite to Cs-hexacelsian. <i>American Mineralogist</i> , 2015, 100, 1562-1567.	0.9	3
74	Synthesis of calcium oxalate trihydrate: New data by vibrational spectroscopy and synchrotron X-ray diffraction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 721-730.	2.0	44
75	Elastic behaviour and phase stability of pyrophyllite and talc at high pressure and temperature. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 309-318.	0.3	11
76	Manganese incorporation in synthetic hercynite. <i>Mineralogical Magazine</i> , 2015, 79, 635-647.	0.6	4
77	A comparison between <i>ab initio</i> calculated and measured Raman spectrum of triclinic albite ($\text{NaAlSi}_3\text{O}_8$). <i>Journal of Raman Spectroscopy</i> , 2015, 46, 501-508.	1.2	42
78	New data on Cu-exchanged phillipsite: a multi-methodological study. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 723-733.	0.3	8
79	Elastic behavior and pressure-induced structural modifications of the microporous $\text{Ca}(\text{VO})\text{Si}_4\text{O}_{10}\cdot 4\text{H}_2\text{O}$ dimorphs cavansite and pentagonite. <i>Microporous and Mesoporous Materials</i> , 2015, 204, 257-268.	2.2	4
80	The high-pressure behavior of balliranoite: a cancrinite-group mineral. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, .	0.4	2
81	High-pressure Raman study of CH_4 in melanophlogite (type I clathrate). <i>Mineralogical Magazine</i> , 2014, 78, 1661-1669.	0.6	5
82	ON THE CRYSTAL-CHEMISTRY OF A NEAR-ENDMEMBER TRIPLITE, $\text{Mn}_2+2(\text{PO}_4)\text{F}$, FROM THE CODERA VALLEY (SONDRIO PROVINCE, CENTRAL ALPS, ITALY). <i>Canadian Mineralogist</i> , 2014, 52, 235-245.	0.3	5
83	Raman and structural comparison between the new gemstone pezzottaite $\text{Cs}(\text{Be}_2\text{Li})\text{Al}_2\text{Si}_6\text{O}_{18}$ and Cs -beryl. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 993-999.	1.2	13
84	New Mineral Names,. <i>American Mineralogist</i> , 2014, 99, 1511-1518.	0.9	1
85	The high-pressure behavior of balliranoite: a cancrinite-group mineral. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, .	0.4	3
86	A single-crystal neutron and X-ray diffraction study of a Li, Be-bearing brittle mica. <i>Mineralogical Magazine</i> , 2014, 78, 55-72.	0.6	4
87	New Mineral Names,. <i>American Mineralogist</i> , 2014, 99, 870-875.	0.9	0
88	Cordierite under hydrostatic compression: Anomalous elastic behavior as a precursor for a pressure-induced phase transition. <i>American Mineralogist</i> , 2014, 99, 479-493.	0.9	23
89	New Mineral Names. <i>American Mineralogist</i> , 2014, 99, 242-247.	0.9	0
90	Static positional disorder in ulvospinel: A single-crystal neutron diffraction study. <i>American Mineralogist</i> , 2014, 99, 255-260.	0.9	7

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91	Zeolites at high pressure: A review. <i>Mineralogical Magazine</i> , 2014, 78, 267-291.	0.6	88
92	On the crystal structure and low-temperature behaviour of davyne: A single-crystal X-ray and neutron diffraction study. <i>Microporous and Mesoporous Materials</i> , 2014, 185, 137-148.	2.2	5
93	On the complex H-bonding network in paravauxite, $\text{Fe}^{2+}_2\text{Al}_2(\text{PO}_4)_2(\text{OH})_8\text{H}_2\text{O}$: A single-crystal neutron diffraction study. <i>Mineralogical Magazine</i> , 2014, 78, 841-850.	0.6	9
94	Single-crystal neutron diffraction and Raman spectroscopic study of hydroxylherderite, $\text{CaBePO}_4(\text{OH},\text{F})$. <i>Mineralogical Magazine</i> , 2014, 78, 723-737.	0.6	9
95	High-pressure behavior of davyne [CAN-topology]: An in situ single-crystal synchrotron diffraction study. <i>Microporous and Mesoporous Materials</i> , 2014, 198, 203-214.	2.2	7
96	First accurate location of two proton sites in tourmaline: A single-crystal neutron diffraction study of oxy-dravite. <i>Mineralogical Magazine</i> , 2014, 78, 681-692.	0.6	32
97	Thermo-elastic behavior and P/T phase stability of TiAlSiO_4 (ABW). <i>Microporous and Mesoporous Materials</i> , 2014, 197, 262-267.	2.2	3
98	Thermoelastic behavior and dehydration process of cancrinite. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 373-386.	0.3	16
99	Elastic behavior and pressure-induced structure evolution of topaz up to 45 GPa. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 569-577.	0.3	17
100	Static elasticity of cordierite I: Effect of heavy ion irradiation on the compressibility of hydrous cordierite. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 579-591.	0.3	8
101	Static elasticity of cordierite II: effect of molecular CO_2 channel constituents on the compressibility. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 617-631.	0.3	3
102	High-Pressure Behavior and Phase Stability of Al_5BO_9 , a Mullite-type Ceramic Material. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2583-2592.	1.9	21
103	Characterization of lead sorption by the natural and Fe(III)-modified zeolite. <i>Applied Surface Science</i> , 2013, 283, 764-774.	3.1	121
104	On the crystal structure and compressional behavior of talc: a mineral of interest in petrology and material science. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 145-156.	0.3	32
105	The low-temperature behavior of balliranoite (CAN topology): An in situ single-crystal X-ray diffraction study. <i>Microporous and Mesoporous Materials</i> , 2013, 174, 44-53.	2.2	6
106	Thermo-elastic behaviour of $\text{Be}_2\text{BO}_3\text{OH}$ (hambergite) up to 7 GPa and 1,100 K. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 401-409.	0.3	0
107	New Mineral Names. <i>American Mineralogist</i> , 2013, 98, 1631-1632.	0.9	0
108	Single-crystal diffraction at the Extreme Conditions beamline P02.2: procedure for collecting and analyzing high-pressure single-crystal data. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 711-720.	1.0	67

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109	Neutron diffraction in gemology: Single-crystal diffraction study of brazilianite, NaAl ₃ (PO ₄) ₂ (OH) ₄ . American Mineralogist, 2013, 98, 1624-1630.	0.9	8
110	Coexisting hydroxyl groups and H ₂ O molecules in minerals: A single-crystal neutron diffraction study of eosphorite, MnAlPO ₄ (OH) ₂ ·H ₂ O. American Mineralogist, 2013, 98, 1297-1301.	0.9	10
111	Special issue in honour of Mark D. Welch. Mineralogical Magazine, 2012, 76, 823-825.	0.6	0
112	The low-temperature behaviour of cancrinite: an in situ single-crystal X-ray diffraction study. Mineralogical Magazine, 2012, 76, 933-948.	0.6	17
113	A single-crystal neutron diffraction study of hambergite, Be ₂ BO ₃ (OH,F). American Mineralogist, 2012, 97, 1891-1897.	0.9	13
114	A single-crystal neutron and X-ray diffraction study of pezzottaite, Cs(Be ₂ Li)Al ₂ Si ₆ O ₁₈ . Physics and Chemistry of Minerals, 2012, 39, 829-840.	0.3	12
115	Minerals in cement chemistry: A single-crystal neutron diffraction and Raman spectroscopic study of thaumasite, Ca ₃ Si(OH) ₆ (CO ₃)(SO ₄)·12H ₂ O. American Mineralogist, 2012, 97, 1060-1069.	0.9	37
116	High-pressure study of a natural cancrinite. American Mineralogist, 2012, 97, 872-882.	0.9	19
117	Removal of lead from aqueous solutions by using the natural and Fe(III)-modified zeolite. Applied Surface Science, 2012, 258, 3667-3673.	3.1	114
118	On the high-pressure behavior of gobbinsite, the natural counterpart of the synthetic zeolite Na ⁺ P ₂ . Microporous and Mesoporous Materials, 2012, 163, 259-269.	2.2	14
119	Phase stability and thermo-elastic behavior of CsAlSiO ₄ (ABW): A potential nuclear waste disposal material. Microporous and Mesoporous Materials, 2012, 163, 147-152.	2.2	16
120	A neutron/X-Ray diffraction, IR, and ¹ H/ ²⁹ Si NMR Spectroscopic investigation of armenite: behavior of extra framework Ca cations and H ₂ O molecules in microporous silicates. Zeitschrift Fur Kristallographie - Crystalline Materials, 2012, 227, 411-426.	0.4	1
121	Carbon dioxide in pollucite, a feldspathoid with the ideal composition (Cs, Tj)ETQq ₁ 1.0784314rgBT / Overlock 10 Tf 50 267 Td (Na) Mineralogical Magazine, 2012, 76, 903-911.	0.6	6
122	The thermoelastic behavior of clintonite up to 10 ÅGPa and 1,000 Å°C. Physics and Chemistry of Minerals, 2012, 39, 385-397.	0.3	4
123	A single-crystal neutron and X-ray diffraction study of elbaite. Physics and Chemistry of Minerals, 2012, 39, 577-588.	0.3	14
124	A low temperature X-ray single-crystal diffraction and polarised infra-red study of epidote. Physics and Chemistry of Minerals, 2012, 39, 1-15.	0.3	8
125	Thermal expansion and high temperature structure evolution of zoisite by single-crystal X-ray and neutron diffraction. Physics and Chemistry of Minerals, 2012, 39, 27-45.	0.3	8
126	The high-pressure behavior of orthorhombic amphiboles. American Mineralogist, 2011, 96, 623-630.	0.9	10

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127	Green andradite stones: gemmological and mineralogical characterisation. <i>European Journal of Mineralogy</i> , 2011, 23, 91-100.	0.4	18
128	Behavior of epidote at high pressure and high temperature: a powder diffraction study up to 10ÅGPa and 1,200ÅK. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 419-428.	0.3	21
129	Stability of (Cs, K)Al ₄ Be ₅ B ₁₁ O ₂₈ (londonite) at high pressure and high temperature: a potential neutron absorber material. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 429-434.	0.3	12
130	On the crystal chemistry and elastic behavior of a phlogopite 3T. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 655-664.	0.3	12
131	On the low-temperature behavior of the zeolite gobbinsite: A single-crystal X-ray diffraction study. <i>Microporous and Mesoporous Materials</i> , 2011, 143, 467-476.	2.2	9
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