

Thomas Armbruster

List of Publications by Year in descending order

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208
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101384

36
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102304

66
g-index

218
all docs

218
docs citations

218
times ranked

4881
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Chemistry and Stability of $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ Garnet: A Fast Lithium-Ion Conductor. <i>Inorganic Chemistry</i> , 2011, 50, 1089-1097.	1.9	600
2	The real structure of tobermorite 11A: normal and anomalous forms, OD character and polytypic modifications. <i>European Journal of Mineralogy</i> , 2001, 13, 577-590.	0.4	333
3	Recommended nomenclature of epidote-group minerals. <i>European Journal of Mineralogy</i> , 2006, 18, 551-567.	0.4	232
4	Hydrogen Bonding and Jahn-Teller Distortion in Groutite, MnOOH , and Manganite, MnOOH , and Their Relations to the Manganese Dioxides Ramsdellite and Pyrolusite. <i>Journal of Solid State Chemistry</i> , 1997, 133, 486-500.	1.4	222
5	Tobermorites; their real structure and order-disorder (OD) character. <i>American Mineralogist</i> , 1999, 84, 1613-1621.	0.9	222
6	Recommended nomenclature for zeolite minerals: report of the subcommittee on zeolites of the International Mineralogical Association, Commission on New Minerals and Mineral Names. <i>Mineralogical Magazine</i> , 1998, 62, 533-571.	0.6	157
7	Crystal Structures of Natural Zeolites. <i>Reviews in Mineralogy and Geochemistry</i> , 2001, 45, 1-67.	2.2	125
8	A Study in Crystal Engineering: Structure, Crystal Growth, and Physical Properties of a Polar Perhydrotriphenylene Inclusion Compound. <i>Journal of the American Chemical Society</i> , 1997, 119, 10632-10640.	6.6	104
9	Struvite-(K), $\text{KMgPO}_4 \cdot 6\text{H}_2\text{O}$, the potassium equivalent of struvite a new mineral. <i>European Journal of Mineralogy</i> , 2008, 20, 629-633.	0.4	103
10	Peculiarity and defect structure of the natural and synthetic zeolite mordenite: A single-crystal X-ray study. <i>American Mineralogist</i> , 2004, 89, 421-431.	0.9	102
11	Andradite crystal chemistry, dynamic X-site disorder and structural strain in silicate garnets. <i>European Journal of Mineralogy</i> , 1993, 5, 59-72.	0.4	101
12	Clinoptilolite-heulandite: applications and basic research. <i>Studies in Surface Science and Catalysis</i> , 2001, 135, 13-27.	1.5	84
13	Low-temperature phase transitions and role of hydrogen bonds in lawsonite. <i>American Mineralogist</i> , 1995, 80, 1277-1285.	0.9	79
14	The dynamic properties of zircon studied by single-crystal X-ray diffraction and Raman spectroscopy. <i>European Journal of Mineralogy</i> , 2001, 13, 939-948.	0.4	79
15	Recommended nomenclature for zeolite minerals: Report of the Subcommittee on Zeolites of the International Mineralogical Association, Commission on New Minerals and Mineral Names. <i>European Journal of Mineralogy</i> , 1998, 10, 1037-1081.	0.4	72
16	Harmunite CaFe_2O_4 : A new mineral from the Jabel Harmun, West Bank, Palestinian Autonomy, Israel. <i>American Mineralogist</i> , 2014, 99, 965-975.	0.9	64
17	Silanol groups in minerals and inorganic compounds. <i>American Mineralogist</i> , 1998, 83, 119-125.	0.9	59
18	Lakargiite CaZrO_3 : A new mineral of the perovskite group from the North Caucasus, Kabardino-Balkaria, Russia. <i>American Mineralogist</i> , 2008, 93, 1903-1910.	0.9	58

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19	Revised nomenclature of hogbomite, nigerite, and taaffeite minerals. <i>European Journal of Mineralogy</i> , 2002, 14, 389-395.	0.4	57
20	P-T-X data on P21/c-clinopyroxenes and their displacive phase transitions. <i>Contributions To Mineralogy and Petrology</i> , 2000, 138, 35-45.	1.2	56
21	Tripuyite, FeSbO ₄ , revisited. <i>Mineralogical Magazine</i> , 2003, 67, 31-46.	0.6	55
22	Rock-forming moissanite (natural $\hat{1}\pm$ -silicon carbide). <i>American Mineralogist</i> , 2003, 88, 1817-1821.	0.9	53
23	Na, K, Rb, and Cs Exchange in Heulandite Single-Crystals: X-Ray Structure Refinements at 100 K. <i>Journal of Solid State Chemistry</i> , 1996, 123, 140-149.	1.4	49
24	Transition metal complexes with thiosemicarbazide-based ligands. Part LIV. Nickel(II) complexes with pyridoxal semi- (PLSC) and thiosemicarbazone (PLTSC). Crystal and molecular structure of [Ni(PLSC)(H ₂ O) ₃](NO ₃) ₂ and [Ni(PLTSC-H)py]NO ₃ . <i>Polyhedron</i> , 2007, 26, 49-58.	1.0	47
25	Highlights in Mineralogical Crystallography. , 2015, , .		47
26	Crystal structures of lamprophyllite-2M and lamprophyllite-2O from the Lovozero alkaline massif, Kola peninsula, Russia. <i>European Journal of Mineralogy</i> , 2003, 15, 711-718.	0.4	46
27	Elbrusite-(Zr)-A new uranian garnet from the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia. <i>American Mineralogist</i> , 2010, 95, 1172-1181.	0.9	45
28	Cordierite I: The coordination of Fe ²⁺ . <i>American Mineralogist</i> , 2000, 85, 1255-1264.	0.9	43
29	Cationic methylene blue incorporated into zeolite mordenite-Na: a single crystal X-ray study. <i>Microporous and Mesoporous Materials</i> , 2005, 81, 87-95.	2.2	43
30	Crystal-chemistry of mullite-type aluminoborates Al ₁₈ B ₄ O ₃₃ and Al ₅ B ₉ O ₁₉ : A stoichiometry puzzle. <i>Journal of Solid State Chemistry</i> , 2011, 184, 70-80.	1.4	43
31	Ar, N ₂ , and CO ₂ in the structural cavities of cordierite, an optical and X-ray single-crystal study. <i>Physics and Chemistry of Minerals</i> , 1985, 12, 233-245.	0.3	42
32	Manganvesuvianite and tweddillite, two new Mn ³⁺ -silicate minerals from the Kalahari manganese fields, South Africa. <i>Mineralogical Magazine</i> , 2002, 66, 137-150.	0.6	42
33	The temperature-dependent P21/c - C2/c phase transition in the clinopyroxene kanoite MnMg[Si ₂ O ₆]: a single-crystal X-ray and optical study. <i>European Journal of Mineralogy</i> , 1997, 9, 953-964.	0.4	41
34	Shulamitite Ca ₃ TiFe ₃ + AlO ₈ - a new perovskite-related mineral from Hatrurim Basin, Israel. <i>European Journal of Mineralogy</i> , 2013, 25, 97-111.	0.4	40
35	Synthesis and biological evaluation of some 17-picolyl and 17-picolinylidene androst-5-ene derivatives. <i>Steroids</i> , 2007, 72, 31-40.	0.8	38
36	Ferromerrillite, Ca ₉ NaFe ₂ +(PO ₄) ₇ , a new mineral from the Martian meteorites, and some insights into merrillite \hat{e} transformation in shergottites. <i>European Journal of Mineralogy</i> , 2016, 28, 125-136.	0.4	38

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37	Vorlanite (CaU ₆₊)O ₄ —A new mineral from the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia. <i>American Mineralogist</i> , 2011, 96, 188-196.	0.9	37
38	Crystal structures of Pb ₈ O ₅ (AsO ₄) ₂ and Pb ₅ O ₄ (CrO ₄), and review of PbO-related structural units in inorganic compounds. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1321-1332.	1.4	36
39	Crystal chemistry of the mendipite-type system Pb ₃ O ₂ Cl ₂ ↔ Pb ₃ O ₂ Br ₂ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2008, 223, 204-211.	0.4	36
40	Cd-exchanged heulandite: symmetry lowering and site preference. <i>Microporous and Mesoporous Materials</i> , 2000, 37, 233-242.	2.2	34
41	Structure, compressibility, hydrogen bonding, and dehydration of the tetragonal Mn ³⁺ hydrogarnet, henritermierite. <i>American Mineralogist</i> , 2001, 86, 147-158.	0.9	34
42	Chegemite Ca ₇ (SiO ₄) ₃ (OH) ₂ a new humite-group calcium mineral from the Northern Caucasus, Kabardino-Balkaria, Russia. <i>European Journal of Mineralogy</i> , 2009, 21, 1045-1059.	0.4	34
43	Stability at high pressure, elastic behavior and pressure-induced structural evolution of Al ₅ BO ₉ , a mullite-type ceramic material. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 227-236.	0.3	34
44	Na, K, Rb, and Cs exchange in heulandite single crystals; diffusion kinetics. <i>American Mineralogist</i> , 1997, 82, 517-525.	0.9	34
45	Another step toward understanding the true nature of sartorite: Determination and refinement of a ninefold superstructure. <i>American Mineralogist</i> , 2003, 88, 450-461.	0.9	33
46	MENZERITE-(Y), A NEW SPECIES, Å[(Mg,Fe ²⁺)(Fe ³⁺ ,Al)](Si ₃)O ₁₂ , FROM A FELSIC GRANULITE, PARRY SOUND, ONTARIO, AND A NEW GARNET END-MEMBER, Å[Mg ₂](Si ₃)O ₁₂ . <i>Canadian Mineralogist</i> , 2010, 48, 1171-1193.	0.3	32
47	New minerals with a modular structure derived from hatrurite from the pyrometamorphic Hatrurim Complex. Part II. Zadovite, BaCa ₆ [(SiO ₄)(PO ₄)](PO ₄) ₂ F and aradite, BaCa ₆ [(SiO ₄)(VO ₄)](VO ₄) ₂ F, from paralavas of the Hatrurim Basin, Negev Desert, Israel. <i>Mineralogical Magazine</i> , 2015, 79, 1073-1087.	0.6	32
48	Long-range ordering in low-temperature vesuvianites. <i>American Mineralogist</i> , 2000, 85, 563-569.	0.9	31
49	Dimensional Reduction in Alkali Metal Uranyl Molybdates: Synthesis and Structure of Cs ₂ [(UO ₂)O(MoO ₄)]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1979-1984.	0.6	31
50	Stepwise dehydration and change of framework topology in Cd-exchanged heulandite. <i>Microporous and Mesoporous Materials</i> , 2003, 61, 85-103.	2.2	29
51	Mayenite supergroup, part III: Fluormayenite, Ca ₁₂ Al ₁₄ O ₃₂ [F ₂], and fluorkyuygenite, Ca ₁₂ Al ₁₄ O ₃₂ [(H ₂ O) ₄ F ₂], two new minerals from pyrometamorphic rocks of the Hatrurim Complex, South Levant. <i>European Journal of Mineralogy</i> , 2015, 27, 123-136.	0.4	29
52	X-ray single-crystal structure refinement of NH ₄ -exchanged heulandite at 100 K. <i>European Journal of Mineralogy</i> , 1998, 10, 461-472.	0.4	29
53	Relationship among metamorphic grade, vesuvianite "rod polytypism," and vesuvianite composition. <i>American Mineralogist</i> , 2006, 91, 862-870.	0.9	28
54	Stability at high-pressure, elastic behaviour and pressure-induced structural evolution of CsAlSi ₅ O ₁₂ , a potential host for nuclear waste. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 521-533.	0.3	28

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55	Tetrahedral vacancies and cation ordering in low-temperature Mn-bearing vesuvianites: Indication of a hydrogarnet-like substitution. <i>American Mineralogist</i> , 2000, 85, 570-577.	0.9	27
56	Polysomatism in hÄggbomite: The crystal structures of 10<i>T</i>, 12<i>H</i>, 14<i>T,</i> and 24<i>R</i> polysomes. <i>American Mineralogist</i> , 2002, 87, 277-292.	0.9	27
57	Microporous titanosilicate AM-2: Ion-exchange and thermal stability. <i>Microporous and Mesoporous Materials</i> , 2007, 99, 279-287.	2.2	27
58	Mayenite supergroup, part I: Recommended nomenclature. <i>European Journal of Mineralogy</i> , 2015, 27, 99-111.	0.4	27
59	New minerals with a modular structure derived from hatrurite from the pyrometamorphic Hatrurim Complex. Part I. Nabimusaite, $KCa_{12}(SiO_4)_4(SO_4)_2O_2F$, from Iarnite rocks of Jabel Harmun, Palestinian Autonomy, Israel. <i>Mineralogical Magazine</i> , 2015, 79, 1061-1072.	0.6	27
60	One-dimensional chains in uranyl tungstates: Syntheses and structures of $A_8[(UO_2)_4(WO_4)_4(WO_5)_2]$ ($A=Rb, Cs$) and $Rb_6[(UO_2)_2O(WO_4)_4]$. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2977-2987.	1.4	26
61	Cationic Thionin Blue in the Channels of Zeolite Morденite: A Single-Crystal X-ray Study. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17352-17360.	1.2	25
62	Crystal structure, thermodynamic properties, and paragenesis of bukovskite, $Fe_2(AsO_4)(SO_4)(OH) \cdot 9H_2O$. <i>Journal of Mineralogical and Petrological Sciences</i> , 2012, 107, 133-148.	0.4	25
63	Vapnikite Ca_3UO_6 a new double-perovskite mineral from pyrometamorphic Iarnite rocks of the Jabel Harmun, Palestinian Autonomy, Israel. <i>Mineralogical Magazine</i> , 2014, 78, 571-581.	0.6	25
64	Phase relations and exsolution phenomena in the system $NiOTiO_2$. <i>Journal of Solid State Chemistry</i> , 1981, 36, 275-288.	1.4	24
65	Se incorporated into zeolite mordenite-Na: a single-crystal X-ray study. <i>Microporous and Mesoporous Materials</i> , 2004, 71, 185-198.	2.2	24
66	Thermodynamic and crystallographic properties of kornelite $[Fe_2(SO_4)_3 \cdot 7.75H_2O]$ and paracoquimbite $[Fe_2(SO_4)_3 \cdot 9H_2O]$. <i>American Mineralogist</i> , 2009, 94, 1620-1628.	0.9	24
67	THE CRYSTAL STRUCTURE OF NACAPHITE, $Na_2Ca(PO_4)F$: A RE-INVESTIGATION. <i>Canadian Mineralogist</i> , 2007, 45, 915-920.	0.3	23
68	Boromullite, $Al_9BSi_2O_{19}$, a new mineral from granulite-facies metapelites, Mount Stafford, central Australia: a natural analogue of a synthetic "boron-mullite". <i>European Journal of Mineralogy</i> , 2008, 20, 935-950.	0.4	23
69	The crystal structure of flamite and its relation to Ca_2SiO_4 polymorphs and nagelschmidite. <i>European Journal of Mineralogy</i> , 2015, 27, 755-769.	0.4	23
70	Lawsonite-type phase transitions in hennomartinite, $SrMn_2[Si_2O_7](OH)_2 \cdot H_2O$. <i>American Mineralogist</i> , 1996, 81, 9-18.	0.9	22
71	Cu^{2+} -acetate and Cu^{2+} -amine exchanged heulandite: a structural comparison. <i>Microporous and Mesoporous Materials</i> , 2003, 57, 121-131.	2.2	22
72	Stornesite-(Y), $(Y, Ca)_2Na_6(Ca, Na)_8(Mg, Fe)_{43}(PO_4)_{36}$, the first terrestrial Mg-dominant member of the fillowite group, from granulite-facies paragneiss in the Larsemann Hills, Prydz Bay, East Antarctica. <i>American Mineralogist</i> , 2006, 91, 1412-1424.	0.9	22

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73	Kumtyubeite $\text{Ca}_5(\text{SiO}_4)_2\text{F}_2$ —A new calcium mineral of the humite group from Northern Caucasus, Kabardino-Balkaria, Russia. <i>American Mineralogist</i> , 2009, 94, 1361-1370.	0.9	22
74	Crystal chemistry and nomenclature of the lovozerite group. <i>European Journal of Mineralogy</i> , 2009, 21, 1061-1071.	0.4	22
75	A temperature-dependent structure study of gem-quality hibonite from Myanmar. <i>Mineralogical Magazine</i> , 2010, 74, 871-885.	0.6	22
76	A reinvestigation of mayenite from the type locality, the Ettringer Bellerberg volcano near Mayen, Eifel district, Germany. <i>Mineralogical Magazine</i> , 2012, 76, 707-716.	0.6	22
77	New minerals with a modular structure derived from hatrurite from the pyrometamorphic rocks. Part III. Gazeevite, $\text{BaCa}_6(\text{SiO}_4)_2(\text{SO}_4)_2\text{O}$, from Israel and the Palestine Autonomy, South Levant, and from South Ossetia, Greater Caucasus. <i>Mineralogical Magazine</i> , 2017, 81, 499-513.	0.6	22
78	Partially dealuminated heulandite produced by acidic REECl_3 solution; a chemical and single-crystal X-ray study. <i>American Mineralogist</i> , 1999, 84, 1126-1134.	0.9	21
79	Chopinite, $[(\text{Mg,Fe})_3(\text{PO}_4)_2]$, a new mineral isostructural with sarcopside, from a fluorapatite segregation in granulite-facies paragneiss, Larsemann Hills, Prydz Bay, East Antarctica. <i>European Journal of Mineralogy</i> , 2007, 19, 229-245.	0.4	21
80	Fe-rich cordierites from acid volcanic rocks, an optical and x-ray single-crystal structure study. <i>Contributions To Mineralogy and Petrology</i> , 1985, 91, 180-187.	1.2	20
81	High pressure single-crystal synthesis, structure and compressibility of the garnet $\text{Mn}^{2+}_3\text{Mn}^{3+}_2[\text{SiO}_4]_3$. <i>Physics and Chemistry of Minerals</i> , 1998, 26, 100-106.	0.3	20
82	1. Crystal Structures of Natural Zeolites. , 2001, , 1-68.		20
83	Description, crystal structure, and paragenesis of krettnichite, $\text{PbMn}_3+2(\text{VO}_4)_2(\text{OH})_2$, the Mn^{3+} analogue of mounanaite. <i>European Journal of Mineralogy</i> , 2001, 13, 145-158.	0.4	20
84	New Mn- and rare-earth-rich epidote-group minerals in metacherts: manganiandrosite-(Ce) and vanadoandrosite-(Ce). <i>European Journal of Mineralogy</i> , 2006, 18, 569-582.	0.4	20
85	Bitikleite-(SnAl) and bitikleite-(ZrFe): New garnets from xenoliths of the Upper Chegem volcanic structure, Kabardino-Balkaria, Northern Caucasus, Russia. <i>American Mineralogist</i> , 2010, 95, 959-967.	0.9	20
86	Rusinovite, $\text{Ca}_{10}(\text{Si}_2\text{O}_7)_3\text{Cl}_2$: a new skarn mineral from the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia. <i>European Journal of Mineralogy</i> , 2011, 23, 837-844.	0.4	20
87	Fe, Ti ordering and octahedral distortions in acentric neptunite: Temperature dependent X-ray and neutron structure refinements and $\text{M}\ddot{\text{i}}\ddot{\text{z}}\text{ssbauer}$ spectroscopy. <i>Physics and Chemistry of Minerals</i> , 1991, 18, 199.	0.3	19
88	Schreyerite, $\text{V}_2\text{Ti}_3\text{O}_9$: New occurrence and crystal structure. <i>American Mineralogist</i> , 2006, 91, 196-202.	0.9	19
89	Lead Rare-Earth Oxyhalides: Syntheses and Characterization of $\text{Pb}_6\text{LaO}_7\text{X}$ (X = Cl, Br). <i>Inorganic Chemistry</i> , 2007, 46, 1523-1525.	1.9	19
90	Galuskinite, $\text{Ca}_7(\text{SiO}_4)_3(\text{CO}_3)_3$, a new skarn mineral from the Birkhin gabbro massif, Eastern Siberia, Russia. <i>Mineralogical Magazine</i> , 2011, 75, 2631-2648.	0.6	19

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91	One-dimensional lone electron pair micelles in the crystal structure of $Pb_5(SiO_4)(VO_4)_2$. <i>Materials Research Bulletin</i> , 2004, 39, 1717-1722.	2.7	18
92	Heulandite-Ba, a new zeolite species from Norway. <i>European Journal of Mineralogy</i> , 2005, 17, 143-154.	0.4	18
93	THE CRYSTAL STRUCTURE OF SI-DEFICIENT, OH-SUBSTITUTED, BORON-BEARING VESUVIANITE FROM THE WILUY RIVER, SAKHA-YAKUTIA, RUSSIA. <i>Canadian Mineralogist</i> , 2007, 45, 239-248.	0.3	18
94	Microporous titanosilicate AM-2: Rb-exchange and thermal behaviour. <i>Materials Research Bulletin</i> , 2007, 42, 113-125.	2.7	18
95	Temperature-dependent structural study of microporous $CsAlSi_5O_{12}$. <i>Journal of Solid State Chemistry</i> , 2008, 181, 423-431.	1.4	18
96	Pavlovskyite $Ca_8(SiO_4)_2(Si_3O_{10})$: A new mineral of altered silicate-carbonate xenoliths from the two Russian type localities, Birkhin massif, Baikal Lake area and Upper Chegem caldera, North Caucasus. <i>American Mineralogist</i> , 2012, 97, 503-512.	0.9	18
97	A natural scandian garnet. <i>American Mineralogist</i> , 2005, 90, 1688-1692.	0.9	17
98	Ardennite, tiragalloite and medaite: structural control of $(As^{5+}, V^{5+}, Si^{4+})O_4$ tetrahedra in silicates. <i>Mineralogical Magazine</i> , 2010, 74, 55-71.	0.6	17
99	Vorlanite, $(Ca_{16})O_4$, from Jabel Harmun, Palestinian Autonomy, Israel. <i>American Mineralogist</i> , 2013, 98, 1938-1942.	0.9	17
100	Mg-cordierite: Si/Al ordering, optical properties, and distortion. <i>Contributions To Mineralogy and Petrology</i> , 1981, 77, 332-336.	1.2	16
101	The intensity of forbidden reflections of pyrope: Umweganregung or symmetry reduction?. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1995, 210, 645-649.	0.4	16
102	Mineralogy and crystal structure of bouazzerite from Bou Azzer, Anti-Atlas, Morocco: Bi-As-Fe nanoclusters containing Fe^{3+} in trigonal prismatic coordination. <i>American Mineralogist</i> , 2007, 92, 1630-1639.	0.9	16
103	THE CRYSTAL STRUCTURE OF LENINGRADITE, $PbCu_3(VO_4)_2Cl_2$. <i>Canadian Mineralogist</i> , 2007, 45, 445-449.	0.3	16
104	Eringaite, $Ca_3Sc_2(SiO_4)_3$, a new mineral of the garnet group. <i>Mineralogical Magazine</i> , 2010, 74, 365-373.	0.6	16
105	Topotactic transformation and dehydration of the zeolite gismondine to a novel Ca feldspar structure. <i>American Mineralogist</i> , 2013, 98, 1988-1997.	0.9	16
106	Orangey-red to orangey-pink gem spinels from a new deposit at Lang Chap (Tan Huong-Truc Lau), Vietnam. <i>Journal of Gemmology</i> , 2012, 33, 19-27.	0.1	16
107	Pertsevite, a new silicatian magnesioborate mineral with an end-member composition Mg_2BO_3F , in kotoite marble from east of Verkhoyansk, Sakha-Yakutia, Russia. <i>European Journal of Mineralogy</i> , 2004, 15, 1007-1018.	0.4	15
108	Ordering and elasticity associated with low-temperature phase transitions in lawsonite. <i>American Mineralogist</i> , 2005, 90, 448-456.	0.9	15

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109	Mayenite supergroup, part IV: Crystal structure and Raman investigation of Al-free eltyubuite from the Shadil-Khokh volcano, Kel' Plateau, Southern Ossetia, Russia. <i>European Journal of Mineralogy</i> , 2015, 27, 137-143.	0.4	15
110	Stepwise dehydration of Sr-exchanged heulandite: A single-crystal X-ray study. <i>American Mineralogist</i> , 2003, 88, 527-533.	0.9	14
111	Scheuchzerite, Na(Mn,Mg) ₉ [VSi ₉ O ₂₈ (OH)](OH) ₃ , a new single-chain silicate. <i>American Mineralogist</i> , 2006, 91, 937-943.	0.9	14
112	Yakovenchukite-(Y), K ₃ NaCa ₂ (Si ₁₂ O ₃₀)(H ₂ O) ₄ , a new mineral from the Khibiny massif, Kola Peninsula, Russia: A novel type of octahedral-tetrahedral open-framework structure. <i>American Mineralogist</i> , 2007, 92, 1525-1530.	0.9	14
113	Edgrewite Ca ₉ (SiO ₄) ₄ F ₂ -hydroxyledgrewite Ca ₉ (SiO ₄) ₄ (OH) ₂ , a new series of calcium humite-group minerals from altered xenoliths in the ignimbrite of Upper Chegem caldera, Northern Caucasus, Kabardino-Balkaria, Russia. <i>American Mineralogist</i> , 2012, 97, 1998-2006.	0.9	14
114	Dehydration of the zeolite merlinoite from the Khibiny massif, Russia: an in situ temperature-dependent single-crystal X-ray study. <i>European Journal of Mineralogy</i> , 2014, 26, 371-380.	0.4	14
115	Structural and Crystal Chemical Investigation of Intermediate Phases in the System Ca ₂ SiO ₄ –Ca ₃ (PO ₄) ₂ –CaNa ₂ PO ₄ . <i>Journal of the American Ceramic Society</i> , 2015, 98, 3956-3965.		
116	Crystal Structure of Cu(I)Cu(II)4O(SeO ₃)Cl ₅ , a New Heterovalent Copper Compound. <i>Doklady Chemistry</i> , 2004, 399, 226-228.	0.2	13
117	End-member ferrian kanonaite: an andalusite phase with one Al fully replaced by (Mn, Fe) 3+ in a quartz vein from the Ardennes mountains, Belgium, and its origin. <i>Contributions To Mineralogy and Petrology</i> , 2004, 147, 276-287.	1.2	13
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