

# Frank C Hawthorne

## List of Publications by Year in descending order

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510  
papers

14,279  
citations

30047

54  
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34964

98  
g-index

521  
all docs

521  
docs citations

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times ranked

7387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nomenclature of Amphiboles; Report of the Subcommittee on Amphiboles of the International Mineralogical Association Commission on New Minerals and Mineral Names. <i>Mineralogical Magazine</i> , 1997, 61, 295-310.	0.6	1,264
2	Nomenclature of the amphibole supergroup. <i>American Mineralogist</i> , 2012, 97, 2031-2048.	0.9	898
3	Nomenclature of the tourmaline-supergroup minerals. <i>American Mineralogist</i> , 2011, 96, 895-913.	0.9	456
4	Classification of the minerals of the tourmaline group. <i>European Journal of Mineralogy</i> , 1999, 11, 201-216.	0.4	427
5	Detection and discrimination of sulfate minerals using reflectance spectroscopy. <i>Icarus</i> , 2006, 184, 121-157.	1.1	317
6	Comprehensive derivation of bond-valence parameters for ion pairs involving oxygen. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 562-578.	0.5	298
7	Crystal Chemical Aspects of Vanadium: Polyhedral Geometries, Characteristic Bond Valences, and Polymerization of (VO <sub>n</sub> ) Polyhedra. <i>Chemistry of Materials</i> , 2000, 12, 1248-1259.	3.2	234
8	The Crystal Chemistry of Sulfate Minerals. <i>Reviews in Mineralogy and Geochemistry</i> , 2000, 40, 1-112.	2.2	229
9	The Crystal Chemistry of the Phosphate Minerals. <i>Reviews in Mineralogy and Geochemistry</i> , 2002, 48, 123-253.	2.2	148
10	The crystal chemistry of the M+VO <sub>3</sub> (M+ = Li, Na, K, NH <sub>4</sub> , Tl, Rb, and Cs) pyroxenes. <i>Journal of Solid State Chemistry</i> , 1977, 22, 157-170.	1.4	143
11	Nomenclature of amphiboles: additions and revisions to the International Mineralogical Association's amphibole nomenclature. <i>Mineralogical Magazine</i> , 2004, 68, 209-215.	0.6	135
12	XPS spectra of uranyl minerals and synthetic uranyl compounds. I: The U 4f spectrum. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2471-2487.	1.6	129
13	NOMENCLATURE OF AMPHIBOLES: ADDITIONS AND REVISIONS TO THE INTERNATIONAL MINERALOGICAL ASSOCIATION'S 1997 RECOMMENDATIONS. <i>Canadian Mineralogist</i> , 2003, 41, 1355-1362.	0.3	128
14	The role of OH and H <sub>2</sub> O in oxide and oxysalt minerals. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1992, 201, 183-206.	0.4	127
15	Structural aspects of oxide and oxysalt crystals. <i>Acta Crystallographica Section B: Structural Science</i> , 1994, 50, 481-510.	1.8	124
16	Amphiboles: Crystal Chemistry. <i>Reviews in Mineralogy and Geochemistry</i> , 2007, 67, 1-54.	2.2	118
17	Graphical enumeration of polyhedral clusters. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1983, 39, 724-736.	0.3	113
18	Bond-length distributions for ions bonded to oxygen: alkali and alkaline-earth metals. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 602-625.	0.5	94

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19	Structural relations in copper oxysalt minerals. I. Structural hierarchy. <i>Acta Crystallographica Section B: Structural Science</i> , 1993, 49, 28-56.	1.8	92
20	lkaite crystals in melting sea ice – implications for $\text{CO}_2$ and pH levels in Arctic surface waters. <i>Cryosphere</i> , 2012, 6, 901-908.	1.5	91
21	The behaviour of Ti in amphiboles: I. Four- and six-coordinate Ti in richterite. <i>European Journal of Mineralogy</i> , 1992, 4, 425-440.	0.4	90
22	SIMONKOLLEITE, $\text{Zn}_5(\text{OH})_8\text{Cl}_2(\text{H}_2\text{O})$ , A DECORATED INTERRUPTED-SHEET STRUCTURE OF THE FORM $[\text{M}^{2+}]_4$ . <i>Canadian Mineralogist</i> , 2002, 40, 939-946.	0.3	88
23	THE USE OF END-MEMBER CHARGE-ARRANGEMENTS IN DEFINING NEW MINERAL SPECIES AND HETEROVALENT SUBSTITUTIONS IN COMPLEX MINERALS. <i>Canadian Mineralogist</i> , 2002, 40, 699-710.	0.3	88
24	BOND-VALENCE CONSTRAINTS ON THE CHEMICAL COMPOSITION OF TOURMALINE. <i>Canadian Mineralogist</i> , 2002, 40, 789-797.	0.3	85
25	Classification of the Amphiboles. <i>Reviews in Mineralogy and Geochemistry</i> , 2007, 67, 55-88.	2.2	85
26	The crystal structure of ianthinite, $[\text{U}^{24+}(\text{UO}_2)_4\text{O}_6(\text{OH})_4(\text{H}_2\text{O})_4](\text{H}_2\text{O})_5$ : a possible phase for $\text{Pu}^{4+}$ incorporation during the oxidation of spent nuclear fuel. <i>Journal of Nuclear Materials</i> , 1997, 249, 199-206.	1.3	84
27	A CRYSTAL-CHEMICAL APPROACH TO THE COMPOSITION AND OCCURRENCE OF VANADIUM MINERALS. <i>Canadian Mineralogist</i> , 2000, 38, 1443-1456.	0.3	84
28	Compositional evolution of tourmaline in lepidolite-subtype pegmatites. <i>European Journal of Mineralogy</i> , 1999, 11, 569-584.	0.4	82
29	XPS spectra of uranyl minerals and synthetic uranyl compounds. II: The O 1s spectrum. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2488-2509.	1.6	77
30	Spectral reflectance properties of minerals exposed to simulated Mars surface conditions. <i>Icarus</i> , 2008, 195, 140-168.	1.1	76
31	A bond-topological approach to theoretical mineralogy: crystal structure, chemical composition and chemical reactions. <i>Physics and Chemistry of Minerals</i> , 2012, 39, 841-874.	0.3	75
32	Understanding the weakly bonded constituents in oxysalt minerals. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2008, 223, 41-68.	0.4	74
33	A BOND-VALENCE APPROACH TO THE STRUCTURE, CHEMISTRY AND PARAGENESIS OF HYDROXY-HYDRATED OXYSALT MINERALS. I. THEORY. <i>Canadian Mineralogist</i> , 2001, 39, 1225-1242.	0.3	73
34	Nomenclature of amphiboles: additions and revisions to the International Mineralogical Association's amphibole nomenclature. <i>European Journal of Mineralogy</i> , 2004, 16, 190-195.	0.4	73
35	Temperature-dependent Al order-disorder in the tetrahedral double chain of $C2/m$ amphiboles. <i>European Journal of Mineralogy</i> , 1995, 7, 1049-1064.	0.4	72
36	Short-range order of cations in synthetic amphiboles along the richterite-pargasite join. <i>European Journal of Mineralogy</i> , 1999, 11, 79-94.	0.4	71

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37	Long-Range Order in Amphiboles. <i>Reviews in Mineralogy and Geochemistry</i> , 2007, 67, 125-171.	2.2	70
38	THE CRYSTAL CHEMISTRY OF NEPHELINE. <i>Canadian Mineralogist</i> , 2003, 41, 61-70.	0.3	69
39	Tourmaline the Indicator Mineral: From Atomic Arrangement to Viking Navigation. <i>Elements</i> , 2011, 7, 307-312.	0.5	69
40	A Rietveld and infrared study of synthetic amphiboles along the potassium-richterite-tremolite join. <i>American Mineralogist</i> , 1997, 82, 708-716.	0.9	68
41	Structure and chemistry of phosphate minerals. <i>Mineralogical Magazine</i> , 1998, 62, 141-164.	0.6	66
42	THE STEREOCHEMISTRY AND CHEMICAL COMPOSITION OF INTERSTITIAL COMPLEXES IN URANYL-OXYSALT MINERALS. <i>Canadian Mineralogist</i> , 2008, 46, 467-501.	0.3	66
43	The hydrogen positions in scorodite. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1976, 32, 2891-2892.	0.4	64
44	SIMS matrix effects in the analysis of light elements in silicate minerals: Comparison with SREF and EMPA data. <i>American Mineralogist</i> , 2002, 87, 1477-1485.	0.9	63
45	$\text{MoO}_2$	1.1	62
46	Structural hierarchy in $\text{M}^{6+}\text{T}^{4+}\text{I}^n$ minerals. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1990, 192, 1-52.	0.4	61
47	Short-range order in synthetic aluminous tremolites: An infrared and triple-quantum MAS NMR study. <i>American Mineralogist</i> , 2000, 85, 1716-1724.	0.9	61
48	THE CRYSTAL STRUCTURE OF NIKISCHERITE, $\text{Na Fe}_{2+6} \text{Al}_3(\text{SO}_4)_2 (\text{OH})_{18} (\text{H}_2\text{O})_{12}$ , A MINERAL OF THE SHIGAITE GROUP. <i>Canadian Mineralogist</i> , 2003, 41, 79-82.	0.3	61
49	STRUCTURE TOPOLOGY AND HYDROGEN BONDING IN MARTHOZITE, $\text{Cu}_{2+}[(\text{UO}_2)_3(\text{SeO}_3)_2\text{O}_2](\text{H}_2\text{O})_8$ , A COMPARISON WITH GUILLEMINITE, $\text{Ba}[(\text{UO}_2)_3(\text{SeO}_3)_2\text{O}_2](\text{H}_2\text{O})_3$ . <i>Canadian Mineralogist</i> , 2001, 39, 797-807.	0.3	60
50	Bond-length distributions for ions bonded to oxygen: metalloids and post-transition metals. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 63-78.	0.5	60
51	Some systematics of the garnet structure. <i>Journal of Solid State Chemistry</i> , 1981, 37, 157-164.	1.4	59
52	Bond-length distributions for ions bonded to oxygen: results for the transition metals and quantification of the factors underlying bond-length variation in inorganic solids. <i>IUCr</i> , 2020, 7, 581-629.	1.0	59
53	The Crystal Chemistry of Beryllium. <i>Reviews in Mineralogy and Geochemistry</i> , 2002, 50, 333-403.	2.2	58
54	Tourmaline of the elbaite-dravite series from an elbaite-subtype pegmatite at BliÅ¼nÄ, southern Bohemia, Czech Republic. <i>European Journal of Mineralogy</i> , 1999, 11, 557-568.	0.4	56

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55	Refinement of the crystal structure of khr̄h̄nkite. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1975, 31, 1753-1755.	0.4	54
56	Refinement of the crystal structure of botallackite. Mineralogical Magazine, 1985, 49, 87-89.	0.6	54
57	Short-Range Order in Amphiboles. Reviews in Mineralogy and Geochemistry, 2007, 67, 173-222.	2.2	54
58	Mineralogy and Weathering of Smelter-Derived Spherical Particles in Soils: Implications for the Mobility of Ni and Cu in the Surficial Environment. Water, Air, and Soil Pollution, 2012, 223, 3619-3641.	1.1	52
59	THE CRYSTAL CHEMISTRY OF THE [M3Å11 14] TRIMERIC STRUCTURES: FROM HYPERAGPAITIC COMPLEXES TO SALINE LAKES. Canadian Mineralogist, 2001, 39, 1275-1294.	0.3	51
60	THE TANCO PEGMATITE AT BERNIC LAKE, MANITOBA. XIV. INTERNAL TOURMALINE. Canadian Mineralogist, 2000, 38, 877-891.	0.3	49
61	ON THE CLASSIFICATION OF AMPHIBOLES. Canadian Mineralogist, 2006, 44, 1-21.	0.3	49
62	A BOND-VALENCE APPROACH TO THE URANYL-OXIDE HYDROXY-HYDRATE MINERALS: CHEMICAL COMPOSITION AND OCCURRENCE. Canadian Mineralogist, 2004, 42, 1601-1627.	0.3	48
63	Structural complexity and crystallization: the Ostwald sequence of phases in the Cu <sub>2</sub> (OH) <sub>3</sub> Cl system (botallackiteâ€“atacamiteâ€“clinoatacamite). Structural Chemistry, 2017, 28, 153-159.	1.0	48
64	The occurrence of tetrahedrally coordinated Al and B in tourmaline: An 11B and 27Al MAS NMR study. American Mineralogist, 2009, 94, 785-792.	0.9	47
65	Rossmannite, [(LiAl <sub>2</sub> )Al <sub>6</sub> (Si <sub>6</sub> O <sub>18</sub> )(BO <sub>3</sub> ) <sub>3</sub> (OH) <sub>4</sub> ] <sub>46</sub> a new alkali-deficient tourmaline; description and crystal structure. American Mineralogist, 1998, 83, 896-900.	0.9	46
66	Synthesis and infrared spectroscopy of amphiboles along the tremolite-pargasite join. European Journal of Mineralogy, 2003, 15, 341-347.	0.4	46
67	Site occupancies in synthetic monoclinic amphiboles; Rietveld structure refinement and infrared spectroscopy of (nickel, magnesium, cobalt)-richterite. American Mineralogist, 1997, 82, 291-301.	0.9	45
68	Mushroom elbaite from the Kat Chay mine, Momeik, near Mogok, Myanmar: I. Crystal chemistry by SREF, EMPA, MAS NMR and MÅ¶ssbauer spectroscopy. Mineralogical Magazine, 2008, 72, 747-761.	0.6	45
69	Chemical and paragenetic data on gadolinite-group minerals from Baveno and Cuasso al Monte, southern Alps, Italy. American Mineralogist, 1999, 84, 782-789.	0.9	44
70	Empirical Lewis acid strengths for 135 cations bonded to oxygen. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 956-961.	0.5	44
71	Chapter 2. THE CRYSTAL CHEMISTRY OF BORON. , 1996, , 41-116.		43
72	A BOND-VALENCE APPROACH TO THE STRUCTURE, CHEMISTRY AND PARAGENESIS OF HYDROXY-HYDRATED OXYSLT MINERALS. III. PARAGENESIS OF BORATE MINERALS. Canadian Mineralogist, 2001, 39, 1257-1274.	0.3	42

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73	Crystal chemistry of three tourmalines by SREF, EMPA, and SIMS. <i>American Mineralogist</i> , 2002, 87, 1437-1442.	0.9	41
74	Hydrogen bonding in coemanite; an X-ray and structure-energy study. <i>Canadian Mineralogist</i> , 1993, 31, 297-304.	0.3	41
75	THE CRYSTAL CHEMISTRY OF EPISTOLITE. <i>Canadian Mineralogist</i> , 2004, 42, 797-806.	0.3	40
76	The crystal structure of Ba <sub>2</sub> V <sub>2</sub> O <sub>7</sub> . <i>Journal of Solid State Chemistry</i> , 1978, 26, 345-355.	1.4	39
77	Metastructures: homeomorphisms between complex inorganic structures and three-dimensional nets. <i>Acta Crystallographica Section B: Structural Science</i> , 1999, 55, 811-829.	1.8	39
78	Oscillatory zoned liddicoatite from Anjanabonoina, central Madagascar. I. Crystal chemistry and structure by SREF and <sup>11</sup> B and <sup>27</sup> Al MAS NMR spectroscopy. <i>Canadian Mineralogist</i> , 2011, 49, 63-88.	0.3	39
79	Toward theoretical mineralogy: A bond-topological approach. <i>American Mineralogist</i> , 2015, 100, 696-713.	0.9	39
80	A new anhydrous amphibole from the Hoskins Mine, Grenfell, New South Wales, Australia; description and crystal structure of ungarrettiite, NaNa <sub>2</sub> (Mn <sup>2+</sup> ) <sub>2</sub> Mn <sup>Tj</sup> ETQqO <sub>10</sub> rgBT / Overlock 10 Tf 50 165-172.	0.9	38
81	Silvialite, a new sulfate-dominant member of the scapolite group with an Al-Si composition near the 14/m <sup>̂</sup> P42/n phase transition. <i>Mineralogical Magazine</i> , 1999, 63, 321-329.	0.6	37
82	Near-infrared study of short-range disorder of OH and F in monoclinic amphiboles. <i>American Mineralogist</i> , 1999, 84, 86-91.	0.9	37
83	A structure hierarchy for silicate minerals: sheet silicates. <i>Mineralogical Magazine</i> , 2019, 83, 3-55.	0.6	37
84	Structure of calcium tartrate tetrahydrate. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1982, 38, 2461-2463.	0.4	36
85	The crystal structure of tancoite. <i>TMPM Tschermaks Mineralogische Und Petrographische Mitteilungen</i> , 1983, 31, 121-135.	0.3	36
86	TOPOLOGICAL ENUMERATION OF DECORATED [Cu <sub>2</sub> + <sup>̂</sup> 2]N SHEETS IN HYDROXY-HYDRATED COPPER-OXYSALT MINERALS. <i>Canadian Mineralogist</i> , 2000, 38, 751-761.	0.3	36
87	A BOND-VALENCE APPROACH TO THE STRUCTURE, CHEMISTRY AND PARAGENESIS OF HYDROXY-HYDRATED OXYSALT MINERALS. II. CRYSTAL STRUCTURE AND CHEMICAL COMPOSITION OF BORATE MINERALS. <i>Canadian Mineralogist</i> , 2001, 39, 1243-1256.	0.3	36
88	The structure hierarchy hypothesis. <i>Mineralogical Magazine</i> , 2014, 78, 957-1027.	0.6	36
89	Symesite, Pb <sub>10</sub> (SO <sub>4</sub> ) <sub>7</sub> Cl <sub>4</sub> (H <sub>2</sub> O), a new PbO-related sheet mineral: Description and crystal structure. <i>American Mineralogist</i> , 2000, 85, 1526-1533.	0.9	35
90	Amphibole synthesis at low pressure: what grows and what doesn't. <i>European Journal of Mineralogy</i> , 1991, 3, 983-1004.	0.4	35

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91	REFINEMENT OF THE CRYSTAL STRUCTURE OF BILLIETITE, Ba [(UO <sub>2</sub> ) <sub>6</sub> O <sub>4</sub> (OH) <sub>6</sub> ] (H <sub>2</sub> O) <sub>8</sub> . Canadian Mineralogist, 2006, 44, 1197-1205.	0.3	35
92	Structural Characterization of the $\hat{1}^2$ -Cu <sub>2</sub> V <sub>2</sub> O <sub>7</sub> â€“ $\hat{1}^{\pm}$ -Zn <sub>2</sub> V <sub>2</sub> O <sub>7</sub> Solid Solution. Journal of Solid State Chemistry, 1999, 146, 271-276.	1.4	34
93	THE CRYSTAL STRUCTURE OF DEHYDRATED WYARTITE, Ca (CO <sub>3</sub> ) [U <sub>5+</sub> (U <sub>6</sub> +O <sub>2</sub> ) <sub>2</sub> O <sub>4</sub> (OH)] (H <sub>2</sub> O) <sub>3</sub> . Canadian Mineralogist, 2006, 44, 1379-1385.	0.3	34
94	Refinement of the crystal structure of NaScSi <sub>2</sub> O <sub>6</sub> . Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1973, 29, 2615-2616.	0.4	33
95	EXTREME FRACTIONATION AND DEFORMATION OF THE LEUCOGRANITE - PEGMATITE SUITE AT RED CROSS LAKE, MANITOBA, CANADA. IV. MINERALOGY. Canadian Mineralogist, 2012, 50, 1839-1875.	0.3	33
96	Short-range atomic arrangements in minerals. I: The minerals of the amphibole, tourmaline and pyroxene supergroups. European Journal of Mineralogy, 2016, 28, 513-536.	0.4	33
97	Pezzottaite from Ambatovita, Madagascar: A New Gem Mineral. Gems & Gemology, 2003, 39, 284-301.	0.4	33
98	The OH-F substitution in synthetic pargasite at 1.5 kbar, 850 Â°C. American Mineralogist, 2000, 85, 926-931.	0.9	32
99	Refinement of the structure of descloizite. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1979, 35, 717-720.	0.4	31
100	A new anhydrous amphibole from the Eifel region, Germany: Description and crystal structure of obertiite, NaNa <sub>2</sub> (Mg <sub>3</sub> Fe <sub>3</sub> +Ti <sub>4</sub> )Si <sub>8</sub> O <sub>22</sub> O <sub>2</sub> . American Mineralogist, 2000, 85, 236-241.	0.9	31
101	OXYKINOSHITALITE, A NEW SPECIES OF MICA FROM FERNANDO DE NORONHA ISLAND, PERNAMBUCO, BRAZIL: OCCURRENCE AND CRYSTAL STRUCTURE. Canadian Mineralogist, 2005, 43, 1501-1510.	0.3	31
102	Maruyamaite, K(MgAl <sub>2</sub> )(Al <sub>5</sub> Mg)Si <sub>6</sub> O <sub>18</sub> (BO <sub>3</sub> ) <sub>3</sub> (OH) <sub>3</sub> O, a potassium-dominant tourmaline from the ultrahigh-pressure Kokchetav massif, northern Kazakhstan: Description and crystal structure. American Mineralogist, 2016, 101, 355-361.	0.9	31
103	A structure hierarchy for silicate minerals: chain, ribbon, and tube silicates. Mineralogical Magazine, 2020, 84, 165-244.	0.6	31
104	THE CRYSTAL CHEMISTRY OF THE "NICKELALUMITE"-GROUP MINERALS. Canadian Mineralogist, 2005, 43, 1511-1519.	0.3	31
105	POLYPHITE AND SOBOLEVITE: REVISION OF THEIR CRYSTAL STRUCTURES. Canadian Mineralogist, 2005, 43, 1527-1544.	0.3	30
106	From structure topology to chemical composition. IX. Titanium silicates: revision of the crystal chemistry of lomonosovite and murmanite, Group-IV minerals. Mineralogical Magazine, 2008, 72, 1207-1228.	0.6	30
107	A secondary ion mass spectrometry (SIMS) re-evaluation of B and Li isotopic compositions of Cu-bearing elbaite from three global localities. Mineralogical Magazine, 2011, 75, 2485-2494.	0.6	30
108	PREDICTION OF CRYSTAL MORPHOLOGY OF COMPLEX URANYL-SHEET MINERALS. I. THEORY. Canadian Mineralogist, 2004, 42, 1629-1649.	0.3	30



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109	Chapter 8. MOSSBAUER SPECTROSCOPY. , 1988, , 255-340.		29
110	Dellaventurite, NaNa <sub>2</sub> (MgMn <sub>23</sub> +Ti <sub>4</sub> +Li)Si <sub>8</sub> O <sub>22</sub> O <sub>2</sub> , a new anhydrous amphibole from the Kajlidongri Manganese Mine, Jhabua District, Madhya Pradesh, India. American Mineralogist, 2005, 90, 304-309.	0.9	29
111	The high-temperature behaviour of riebeckite: expansivity, deprotonation, selective Fe oxidation and a novel cation disordering scheme for amphiboles. European Journal of Mineralogy, 2018, 30, 437-449.	0.4	29
112	Crystals from first principles. Nature, 1990, 345, 297-297.	13.7	28
113	BOBJONESITE, V <sub>4+</sub> O (SO <sub>4</sub> ) (H <sub>2</sub> O) <sub>3</sub> , A NEW MINERAL SPECIES FROM TEMPLE MOUNTAIN, EMERY COUNTY, UTAH, U.S.A.. Canadian Mineralogist, 2003, 41, 83-90.	0.3	28
114	MALEEVITE, BaB <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> , AND PEKOVITE, SrB <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> , NEW MINERAL SPECIES FROM THE DARA-I-PIOZ ALKALINE MASSIF, NORTHERN TAJIKISTAN: DESCRIPTION AND CRYSTAL STRUCTURE. Canadian Mineralogist, 2004, 42, 107-119.	0.3	28
115	SHORT-RANGE ORDER IN MINERALS: AMPHIBOLES. Canadian Mineralogist, 2005, 43, 1895-1920.	0.3	28
116	Bond-length distributions for ions bonded to oxygen: results for the non-metals and discussion of lone-pair stereoactivity and the polymerization of PO <sub>4</sub> . Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 79-96.	0.5	28
117	CHEVKINITE-(Ce): CRYSTAL STRUCTURE AND THE EFFECT OF MODERATE RADIATION-INDUCED DAMAGE ON SITE-OCCUPANCY REFINEMENT. Canadian Mineralogist, 2004, 42, 1013-1025.	0.3	28
118	The crystal chemistry of the amphiboles II Refinement of the crystal structure of oxy-kaersutite. Mineralogical Magazine, 1973, 39, 390-400.	0.6	27
119	Crystal structure of vanadium(III) tris(metaphosphate). Canadian Journal of Chemistry, 1977, 55, 1673-1679.	0.6	27
120	The crystal chemistry of the amphiboles. III: Refinement of the crystal structure of a sub-silicic hastingsite. Mineralogical Magazine, 1977, 41, 43-50.	0.6	27
121	Short-range disorder of Si and Ti in the tetrahedral double-chain unit of synthetic Ti-bearing potassium-rich richterite. American Mineralogist, 1996, 81, 56-60.	0.9	27
122	Synthesis and crystal-chemistry of alkali amphiboles in the system Na <sub>2</sub> O-MgO-FeO-Fe <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -H <sub>2</sub> O as a function of fO <sub>2</sub> . American Mineralogist, 2005, 90, 1375-1383.	0.9	27
123	THE CRYSTAL CHEMISTRY OF THE SCAPOLITE-GROUP MINERALS. I. CRYSTAL STRUCTURE AND LONG-RANGE ORDER. Canadian Mineralogist, 2008, 46, 1527-1554.	0.3	27
124	FROM STRUCTURE TOPOLOGY TO CHEMICAL COMPOSITION. V. TITANIUM SILICATES: THE CRYSTAL CHEMISTRY OF NACARENIOBSITE-(Ce). Canadian Mineralogist, 2008, 46, 1333-1342.	0.3	27
125	Hydrous Silica Coatings: Occurrence, Speciation of Metals, and Environmental Significance. Environmental Science & Technology, 2009, 43, 8775-8780.	4.6	27
126	Rietveld structure refinement of synthetic strontium-rich potassium-rich richterites. European Journal of Mineralogy, 1993, 5, 199-206.	0.4	27



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127	5. The Crystal Chemistry of the Phosphate Minerals. , 2002, , 123-254.		27
128	THE CRYSTAL CHEMISTRY OF MALINKOITE, NaBSiO <sub>4</sub> , AND LISITSYNITE, KBSi <sub>2</sub> O <sub>6</sub> , FROM THE Khibina LOVOZERO COMPLEX, KOLA PENINSULA, RUSSIA. Canadian Mineralogist, 2001, 39, 159-169.	0.3	26
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228	SAAMITE, Ba $\hat{\text{A}}$ TiNbNa <sub>3</sub> Ti(Si <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> O <sub>2</sub> (OH) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> , A GROUP-III Ti-DISILICATE MINERAL FROM THE Khibiny Alkaline Massif, Kola Peninsula, Russia: Description and Crystal Structure. Canadian Mineralogist, 2014, 52, 745-762.	0.3	14
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231	PARAVINOGRADOVITE, (Na,Å) <sub>2</sub> [(Ti <sub>4+</sub> ,Fe <sub>3+</sub> ) <sub>4</sub> {Si <sub>2</sub> O <sub>6</sub> } <sub>2</sub> {Si <sub>3</sub> Al O <sub>10</sub> } (OH) <sub>4</sub> ] H <sub>2</sub> O, A NEW MINERAL SPECIES FROM THE Khibina Alkaline Massif, Kola Peninsula, Russia: Description and Crystal Structure. Canadian Mineralogist, 2003, 41, 989-1002.	0.3	13
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321	Carlfrancisite: Mn <sub>32</sub> +(Mn <sub>2</sub> +,Mg,Fe <sub>3</sub> +,Al) <sub>42</sub> (As <sub>3</sub> +O <sub>3</sub> ) <sub>2</sub> (As <sub>5</sub> +O <sub>4</sub> ) <sub>4</sub> [(Si,As <sub>5</sub> +O <sub>4</sub> ) <sub>6</sub> [(As <sub>5</sub> +,Si)O <sub>4</sub> ] <sub>2</sub> (OH) <sub>42</sub> , a new arseno-silicate mineral from the Kombat mine, Otavi Valley, Namibia. <i>American Mineralogist</i> , 2013, 98, 1693-1696.	0.9	8
322	Veblenite, K <sub>2</sub> âNa(Fe <sub>2</sub> +5Fe <sub>3</sub> +4Mn <sub>2</sub> +7â)Nb <sub>3</sub> Ti(Si <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> (Si <sub>8</sub> O <sub>22</sub> ) <sub>2</sub> O <sub>6</sub> (OH) <sub>10</sub> (H <sub>2</sub> O) <sub>3</sub> , a new mineral from Seal Lake, Newfoundland and Labrador: mineral description, crystal structure, and a new veblenite Si <sub>8</sub> O <sub>22</sub> ribbon. <i>Mineralogical Magazine</i> , 2013, 77, 2955-2974.	0.6	8
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#	ARTICLE	IF	CITATIONS
343	FERRO-OBERTIITE, Na <sub>2</sub> (Fe <sup>2+</sup> +3Fe <sup>3+</sup> +Ti)Si <sub>8</sub> O <sub>22</sub> O <sub>2</sub> , A NEW MINERAL SPECIES OF THE AMPHIBOLE GROUP FROM COYOTE PEAK, HUMBOLDT COUNTY, CALIFORNIA. <i>Canadian Mineralogist</i> , 2010, 48, 301-306.	0.3	7
344	Noonkanbahite, BaKNaTi <sub>2</sub> (Si <sub>4</sub> O <sub>12</sub> )O <sub>2</sub> , a new mineral species: description and crystal structure. <i>Mineralogical Magazine</i> , 2010, 74, 441-450.	0.6	7
345	MANITOBAITE, Na <sub>16</sub> Mn <sub>2+25</sub> Al <sub>8</sub> (PO <sub>4</sub> ) <sub>30</sub> , A NEW PHOSPHATE MINERAL SPECIES FROM CROSS LAKE, MANITOBA, CANADA. <i>Canadian Mineralogist</i> , 2010, 48, 1455-1463.	0.3	7
346	Byzantievite, Ba <sub>5</sub> (Ca,REE,Y) <sub>22</sub> (Ti,Nb) <sub>18</sub> (SiO <sub>4</sub> ) <sub>4</sub> [(PO <sub>4</sub> ),(SiO <sub>4</sub> )] <sub>4</sub> (BO <sub>3</sub> ) <sub>9</sub> O <sub>21</sub> [(OH),F] <sub>43</sub> (H <sub>2</sub> O) <sub>1.5</sub> : the crystal structure and crystal chemistry of the only known mineral with the oxyanions (BO <sub>3</sub> ), (SiO <sub>4</sub> ) and (PO <sub>4</sub> ). <i>Mineralogical Magazine</i> , 2010, 74, 285-308.	0.6	7
347	THE CRYSTAL STRUCTURE OF ALFREDSTELZNERITE, Ca <sub>4</sub> (H <sub>2</sub> O) <sub>4</sub> [B <sub>4</sub> O <sub>4</sub> (OH) <sub>6</sub> ] <sub>4</sub> (H <sub>2</sub> O) <sub>15</sub> , A COMPLEX HYDROXY-HYDRATED CALCIUM BORATE MINERAL. <i>Canadian Mineralogist</i> , 2010, 48, 129-138.	0.3	7
348	Short-range constraints on chemical and structural variations in bavenite. <i>Mineralogical Magazine</i> , 2011, 75, 213-239.	0.6	7
349	Agakhanovite-(Y), ideally (YCa)Å <sup>2</sup> KBe <sub>3</sub> Si <sub>12</sub> O <sub>30</sub> , a new milarite-group mineral from the Heftetjern pegmatite, Tordal, Southern Norway: Description and crystal structure. <i>American Mineralogist</i> , 2014, 99, 2084-2088.	0.9	7
350	Yusupovite, Na <sub>2</sub> Zr(Si <sub>6</sub> O <sub>15</sub> )(H <sub>2</sub> O) <sub>3</sub> , a new mineral species from the Darai-Pioz alkaline massif and its implications as a new microporous filter for large ions. <i>American Mineralogist</i> , 2015, 100, 1502-1508.	0.9	7
351	Ferro-ferri-hornblende from the Traversella mine (Ivrea, Italy): occurrence, mineral description and crystal-chemistry. <i>Mineralogical Magazine</i> , 2016, 80, 1233-1242.	0.6	7
352	From Structure Topology To Chemical Composition. XXII. Titanium Silicates: Revision of the Crystal Structure of Jinshajiangite, NaBaFe <sub>2+4</sub> Ti <sub>2</sub> (Si <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> O <sub>2</sub> (OH) <sub>2</sub> F, A Group-II TS-Block Mineral. <i>Canadian Mineralogist</i> , 2016, 54, 1187-1204.	0.3	7
353	The crystal chemistry of oxo-mangani-leakeite and mangano-mangani-ungarettiite from the Hoskins mine and their impossible solid-solution: An XRD and FTIR study. <i>Mineralogical Magazine</i> , 2017, 81, 707-722.	0.6	7
354	Proof That a Dominant Endmember Formula Can Always Be Written for a Mineral or a Crystal Structure. <i>Canadian Mineralogist</i> , 2021, 59, 159-167.	0.3	7
355	POTASSIC-CARPHOLITE, A NEW MINERAL SPECIES FROM THE SAWTOOTH BATHOLITH, BOISE COUNTY, IDAHO, U.S.A.. <i>Canadian Mineralogist</i> , 2004, 42, 121-124.	0.3	7
356	Euchoite, a heteropolyhedral framework structure. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1989, 45, 1479-1482.	0.4	6
357	Cornetite: Modulated densely-packed Cu <sup>2+</sup> oxysalt. <i>Mineralogy and Petrology</i> , 1989, 40, 127-136.	0.4	6
358	Rietveld refinement of the crystal structure of Å±-CoSO <sub>4</sub> . <i>Powder Diffraction</i> , 1993, 8, 54-56.	0.4	6
359	Geochemistry and petrology of late K and Rb-feldspars in the Rubellite pegmatite, Lilypad Lakes, NW Ontario. <i>Mineralogy and Petrology</i> , 1999, 65, 237-247.	0.4	6
360	Simmonsite, Na <sub>2</sub> LiAlF <sub>6</sub> , a new mineral from the Zapot amazonite-topaz-zinnwaldite pegmatite, Hawthorne, Nevada, U.S.A.. <i>American Mineralogist</i> , 1999, 84, 769-772.	0.9	6



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361	HYDROGEN BONDING IN THE CRYSTAL STRUCTURE OF SEAMANITE. Canadian Mineralogist, 2002, 40, 923-928.	0.3	6
362	Quantification of H, B and F in Kornerupine: Accuracy of SIMS and SREF (X-Ray Single-Crystal) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 702	2.5	6
363	Strategies for Quantification of Light Elements in Minerals by SIMS: H, B and F. Mikrochimica Acta, 2006, 155, 229-233.	2.5	6
364	THE CRYSTAL CHEMISTRY OF Al-RICH AMPHIBOLES: SADANAGAITE AND POTASSIC-FERRISADANAGAITE. Canadian Mineralogist, 2008, 46, 151-162.	0.3	6
365	Zigrasite, MgZr(PO <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> , a new phosphate mineral from the Dunton Quarry, Newry, Oxford County, Maine, USA. Mineralogical Magazine, 2009, 73, 415-420.	0.6	6
366	THE CRYSTAL STRUCTURE OF BURGESSITE, Co <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> [AsO <sub>3</sub> (OH)] <sub>2</sub> (H <sub>2</sub> O), AND ITS RELATION TO ERYTHRITE. Canadian Mineralogist, 2009, 47, 165-172.	0.3	6
367	PARAERSHOVITE, Na <sub>3</sub> K <sub>3</sub> Fe <sub>3</sub> +2(Si <sub>4</sub> O <sub>10</sub> OH) <sub>2</sub> (OH) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> , A NEW MINERAL SPECIES FROM THE Khibina Alkaline Massif, Kola Peninsula, Russia: Description and Crystal Structure. Canadian Mineralogist, 2010, 48, 279-290.	0.3	6
368	THE CRYSTAL STRUCTURE AND CRYSTAL CHEMISTRY OF MANITOBAITE, IDEALLY (Na <sub>16</sub> Å)Mn <sub>2</sub> + 25Al <sub>8</sub> (PO <sub>4</sub> ) <sub>30</sub> , FROM CROSS LAKE, MANITOBA. Canadian Mineralogist, 2011, 49, 1221-1242.	0.3	6
369	Natotitanite, ideally (Na <sub>0.5</sub> Y <sub>0.5</sub> )Ti(SiO <sub>4</sub> )O, a new mineral from the Verkhnee Espe deposit, Akjailyautas mountains, Eastern Kazakhstan district, Kazakhstan: description and crystal structure. Mineralogical Magazine, 2012, 76, 37-44.	0.6	6
370	THE CRYSTAL CHEMISTRY OF THE GRAFTONITE-BEUSITE MINERALS. Canadian Mineralogist, 2013, 51, 653-662.	0.3	6
371	Ferri-fluoro-leakeite: a second occurrence at Bratthagen (Norway), with new data on Zn partitioning and the oxo component in Na amphiboles. Mineralogical Magazine, 2014, 78, 861-869.	0.6	6
372	Katophorite from the Jade Mine Tract, Myanmar: mineral description of a rare (grandfathered) endmember of the amphibole supergroup. Mineralogical Magazine, 2015, 79, 355-363.	0.6	6
373	The crystal structure of gianellaite, [(NH <sub>4</sub> ) <sub>2</sub> ](SO <sub>4</sub> )(H <sub>2</sub> O) <sub>x</sub> , a framework of (NH <sub>4</sub> ) tetrahedra with ordered (SO <sub>4</sub> ) groups in the interstices. Mineralogical Magazine, 2016, 80, 869-875.	0.6	6
374	Mendeleevite-(Nd), (Cs,â-j) <sub>6</sub> (â-j,Cs) <sub>6</sub> (â-j,K) <sub>6</sub> (i>REE</i>,Ca) <sub>30</sub> (Si <sub>70</sub> O <sub>175</sub> )(OH,H <sub>2</sub> O,F) <sub>35</sub> , a new mineral from the Darai-Pioz alkaline massif, Tajikistan. Mineralogical Magazine, 2017, 81, 135-141.	0.6	6
375	Order of [6]Ti <sup>4+</sup> in a Ti-rich calcium amphibole from Kaersut, Greenland: a combined X-ray and neutron diffraction study. Physics and Chemistry of Minerals, 2017, 44, 83-94.	0.3	6
376	Mean bond-length variations in crystals for ions bonded to oxygen. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 1019-1031.	0.5	6
377	The effect of type-B carbonate content on the elasticity of fluorapatite. Physics and Chemistry of Minerals, 2018, 45, 789-800.	0.3	6
378	Davidbrownite-(NH <sub>4</sub> ), (NH <sub>4</sub> ,K) <sub>5</sub> (V <sup>4+</sup> O) <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> )[PO <sub>2.75</sub> (OH) <sub>6</sub> ]	0.6	6
	a new phosphate-oxalate mineral from the Rowley mine, Arizona, USA. Mineralogical Magazine, 2019, 83, 869-877.		



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379	The pascoite family of minerals, including the redefinition of rakovanite. Canadian Mineralogist, 2021, 59, 771-779.	0.3	6
380	TERLINGUACREEKITE, Hg <sub>2</sub> + 3O <sub>2</sub> Cl <sub>2</sub> , A NEW MINERAL SPECIES FROM THE PERRY PIT, MARIPOSA MINE, TERLINGUA MINING DISTRICT, BREWSTER COUNTY, TEXAS, U.S.A.. Canadian Mineralogist, 2005, 43, 1055-1060.	0.3	6
381	The crystal structure of ruizite, a sorosilicate with an [Si <sub>4</sub> i <sub>2</sub> 1/2 <sup>13</sup> ] cluster. TPM Tschermaks Mineralogische Und Petrographische Mitteilungen, 1984, 33, 135-146.	0.3	5
382	Schoepite and Dehydrated Schoepite. Materials Research Society Symposia Proceedings, 1995, 412, 361.	0.1	5
383	THE OD (ORDER DISORDER) STRUCTURE OF HOLFERTITE, A HYDRATED URANYL TITANATE MINERAL FROM SEARLE CANYON, THOMAS RANGE, UTAH, USA. Canadian Mineralogist, 2005, 43, 1545-1552.	0.3	5
384	Amphiboles from the Kola Superdeep Borehole: Fe <sup>3+</sup> contents from crystal-chemical analysis and Mössbauer spectroscopy. Mineralogical Magazine, 2007, 71, 651-669.	0.6	5
385	Fluoro-sodic-ferropedrizite, NaLi <sub>2</sub> (Fe <sub>2</sub> ) <sup>2+</sup> Al <sub>2</sub> LiSi <sub>8</sub> O <sub>22</sub> F <sub>2</sub> , a new mineral of the amphibole group from the Sutlug River, Tuva Republic, Russia: description and crystal structure. Mineralogical Magazine, 2009, 73, 487-494.	0.6	5
386	THE CRYSTAL CHEMISTRY OF THE KORNERUPINE-PRISMATINE SERIES. II. THE ROLE OF HYDROGEN. Canadian Mineralogist, 2009, 47, 263-274.	0.3	5
387	THE CRYSTAL CHEMISTRY OF THE KORNERUPINE-PRISMATINE SERIES. III. CHEMICAL RELATIONS. Canadian Mineralogist, 2009, 47, 275-296.	0.3	5
388	The crystal structure of zigrasite, MgZr(PO <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> , a heteropolyhedral framework structure. Mineralogical Magazine, 2010, 74, 567-575.	0.6	5
389	Spectroscopy and X-ray structure refinement of sekaninaite from DolnĀ-Bory (Czech Republic). Mineralogical Magazine, 2013, 77, 485-498.	0.6	5
390	THE CRYSTAL STRUCTURE OF YOFORTIERITE. Canadian Mineralogist, 2013, 51, 243-251.	0.3	5
391	LONG-RANGE AND SHORT-RANGE ORDER IN GEM PARGASITE FROM MYANMAR: CRYSTAL-STRUCTURE REFINEMENT AND INFRARED SPECTROSCOPY. Canadian Mineralogist, 2015, 53, 497-510.	0.3	5
392	Ti-RICH FLUORO-RICHTERITE FROM KARIĀ...SEN (NORWAY): THE OXO-COMPONENT AND THE USE OF Ti <sup>4+</sup> AS A PROXY. Canadian Mineralogist, 2015, 53, 285-294.	0.3	5
393	Ā»abiĀ,,skĀite, ideally Ca(Al <sub>0.5</sub> Ta <sub>0.5</sub> )(SiO <sub>4</sub> )O, a new mineral of the titanite group from the PiĀ,awa GĀrna pegmatite, the GĀry Sowie Block, southwestern Poland. Mineralogical Magazine, 2017, 81, 591-610.	0.6	5
394	Uranium-bearing opals: Products of U-mobilization, diffusion, and transformation processes. American Mineralogist, 2017, 102, 1154-1164.	0.9	5
395	High-temperature behaviour of astrophyllite, K <sub>2</sub> NaFe <sub>7</sub> 2+Ti <sub>2</sub> (Si <sub>4</sub> O <sub>12</sub> ) <sub>2</sub> O <sub>2</sub> (OH) <sub>4</sub> F: a combined X-ray diffraction and Mössbauer spectroscopic study. Physics and Chemistry of Minerals, 2017, 44, 595-613.	0.3	5
396	Wiklundite, ideally Pb <sub>2</sub> (Mn <sup>2+</sup> ,Zn) <sub>3</sub> (Fe <sup>3+</sup> ,Mn <sup>2+</sup> ) <sub>2</sub> (Mn <sup>2+</sup> ) <sub>5</sub> a new mineral from LĀngban, Filipstad, VĀrmland, Sweden: Description and crystal structure. Mineralogical Magazine, 2017, 81, 841-855.	0.6	5

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397	Empirical electronic polarizabilities: deviations from the additivity rule. I. $M_2+SO_4 \cdot nH_2O$ , bismutite $Na_2M_2+(SO_4)_2 \cdot 4H_2O$ , and kieserite-related minerals with sterically strained structures. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 303-310.	0.3	5
398	Classification of the minerals of the graftonite group. <i>Mineralogical Magazine</i> , 2018, 82, 1301-1306.	0.6	5
399	Protocaseyite, a new decavanadate mineral containing a $[Al_4(OH)_6(H_2O)_{12}]^{6+}$ linear tetramer, a novel isopolycation. <i>American Mineralogist</i> , 2022, 107, 1181-1189.	0.9	5
400	Light lithophile elements in metamorphic rock-forming minerals. <i>European Journal of Mineralogy</i> , 1995, 7, 607-622.	0.4	5
401	The relationship between cell volume, mean bond length and effective ionic radius. <i>The Acta Crystallographica Section A, Crystal Physics, Diffraction and General Crystallography</i> , 1978, 34, 139-140.	0.6	4
402	Diamagnetic and structural characterization of orthorhombic high-temperature superconductors in the system $YBaCuO$ . <i>Canadian Journal of Physics</i> , 1987, 65, 1145-1148.	0.4	4
403	Bond topology, bond valence and structure stability. , 1992, , 25-87.		4
404	A multinuclear NMR study of synthetic pargasite; discussion and reply. <i>American Mineralogist</i> , 1995, 80, 628-629.	0.9	4
405	The Crystal Structure of lanthinite, a Mixed-Valence Uranium Oxide Hydrate. <i>Materials Research Society Symposia Proceedings</i> , 1996, 465, 1193.	0.1	4
406	THE CRYSTAL CHEMISTRY OF FERSMANITE, $Ca_4(Na,Ca)_4(Ti,Nb)_4(Si_2O_7)_2O_8F_3$ . <i>Canadian Mineralogist</i> , 2002, 40, 1421-1428.	0.3	4
407	THE CRYSTAL STRUCTURE OF HUBEITE, A NOVEL SOROSILICATE MINERAL. <i>Canadian Mineralogist</i> , 2004, 42, 825-834.	0.3	4
408	The crystal structure of braithwaiteite. <i>Journal of Coordination Chemistry</i> , 2008, 61, 15-29.	0.8	4
409	THE CRYSTAL CHEMISTRY OF ALKALI AMPHIBOLES FROM THE KAJLIDONGRI MANGANESE MINE, INDIA. <i>Canadian Mineralogist</i> , 2008, 46, 455-466.	0.3	4
410	BRAITHWAITEITE, $NaCu_5(TiSb)O_2(AsO_4)_4[AsO_3(OH)]_2(H_2O)_8$ , A NEW MINERAL SPECIES FROM LAURANI, BOLIVIA. <i>Canadian Mineralogist</i> , 2009, 47, 947-952.	0.3	4
411	THE CRYSTAL CHEMISTRY OF THE KORNERUPINE-PRISMATINE SERIES. IV. COMPLETE CHEMICAL FORMULAE FROM ELECTRON-MICROPROBE DATA AND X-RAY POWDER DIFFRACTION. <i>Canadian Mineralogist</i> , 2009, 47, 297-302.	0.3	4
412	GEORGEROBINSONITE, $Pb_4(CrO_4)_2(OH)_2FCl$ , A NEW CHROMATE MINERAL FROM THE MAMMOTH - ST. ANTHONY MINE, TIGER, PINAL COUNTY, ARIZONA: DESCRIPTION AND CRYSTAL STRUCTURE. <i>Canadian Mineralogist</i> , 2011, 49, 865-876.	0.3	4
413	Far-infrared spectra of synthetic $[4][(Al_2-xGax)(Si_2-yGe_y)](OH,OD,F)_2$ -kinoshitalite: Characterization and assignment of interlayer Ba-Oinner and Ba-Oouter stretching bands. <i>American Mineralogist</i> , 2011, 96, 566-576.	0.9	4
414	Mendelevite-(Ce) $(Cs, \text{â})_6(\text{â},Cs)_6(\text{â},K)_6(REE,Ca, \text{â})_{30}(Si_{70}O_{175})(H_2O,OH,F, \text{â})_{35}$ : A new mineral from the Darai-Pioz massif, Tajikistan. <i>Doklady Earth Sciences</i> , 2013, 452, 1023-1026.	0.2	4

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415	HYDROGEN BONDING IN THE CRYSTAL STRUCTURE OF LEGRANDITE: $Zn_2(AsO_4)(OH)(H_2O)$ . Canadian Mineralogist, 2013, 51, 233-241.	0.3	4
416	Metaheawettite, $Ca(V_5+6O_{16})(H_2O)_3$ , from Hodzha-Rushnai-Mazar, southern Kirgizia: occurrence and crystal structure. Journal of Geosciences (Czech Republic), 2014, , 159-168.	0.3	4
417	Magnesio-arfvedsonite from Jade Mine Tract, Myanmar: mineral description and crystal chemistry. Mineralogical Magazine, 2015, 79, 253-260.	0.6	4
418	Refinement of the Crystal Structure of Schneiderh�hnite. Canadian Mineralogist, 2016, 54, 707-713.	0.3	4
419	Magnesio-hornblende from L�deritz, Namibia: mineral description and crystal chemistry. Mineralogical Magazine, 2018, 82, 1253-1259.	0.6	4
420	Beusite-(Ca), ideally $CaMn_{22+}(PO_4)_2$ , a new graftonite-group mineral from the Yellowknife pegmatite field, Northwest Territories, Canada: Description and crystal structure. Mineralogical Magazine, 2018, 82, 1323-1332.	0.6	4
421	Cation order in the crystal structure of �minasgeraisite-(Y)�. Mineralogical Magazine, 2018, 82, 301-312.	0.6	4
422	From structure topology to chemical composition. XXIV. Revision of the crystal structure and chemical formula of vigrishinite, $NaZnTi_4(Si_2O_7)_2O_3(OH)(H_2O)_4$ , a seidozerite-super group mineral from the Lovozero alkaline massif, Kola peninsula, Russia. Mineralogical Magazine, 2018, 82, 787-807.	0.6	4
423	Long-range and short-range cation order in the crystal structures of carlfrancisite and mcgovernite. Mineralogical Magazine, 2018, 82, 1101-1118.	0.6	4
424	Graftonite-(Mn), ideally $M_1M_2M_3Fe_2(PO_4)_2$ , and graftonite-(Ca), ideally $M_1M_2M_3CaFe_2(PO_4)_2$ , two new minerals of the graftonite group from Poland. Mineralogical Magazine, 2018, 82, 1307-1322.	0.6	4
425	Heyerdahlite, $Na_3Mn_7Ti_2(Si_4O_{12})_2O_2(OH)_4F(H_2O)_2$ , a new mineral of the astrophyllite supergroup from the Larvik Plutonic complex, Norway: Description and crystal structure. Mineralogical Magazine, 2018, 82, 243-255.	0.6	4
426	Lepageite, $Mn_{32+}(Fe_{73+}Fe_{42+})O_3[Sb_{53+}As_{83+}O_{34}]$ , a new arsenite-antimonite mineral from the Szklary pegmatite, Lower Silesia, Poland. American Mineralogist, 2019, 104, 1043-1050.	0.9	4
427	THE CRYSTAL STRUCTURE OF GLADIUSITE, $(Fe_{2+},Mg)_4Fe_{3+2}(PO_4)(OH)_{11}(H_2O)$ . Canadian Mineralogist, 2001, 39, 1121-1130.	0.3	4
428	THE CRYSTAL STRUCTURE OF GOLDQUARRYITE, $(Cu_{2+},\hat{A})(Cd,Ca)_2Al_3(PO_4)_4F_2(H_2O)_{10}\hat{A}_2$ , A SECONDARY PHOSPHATE FROM THE GOLD QUARRY MINE, EUREKA COUNTY, NEVADA, U.S.A.. Canadian Mineralogist, 2004, 42, 753-761.	0.3	4
429	Bond topology of chain, ribbon and tube silicates. Part I. Graph-theory generation of infinite one-dimensional arrangements of $T_4O_4$ tetrahedra. Acta Crystallographica Section A: Foundations and Advances, 2022, 78, 212-233.	0.0	4
430	Paradamite. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1979, 35, 720-722.	0.4	3
431	Infrared characterization of (OH, F)-pargasites. Physics and Chemistry of Minerals, 1996, 23, 307-307.	0.3	3
432	Diffuse reflections and the symmetry of vesuvianite. Phase Transitions, 1998, 67, 137-151.	0.6	3

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433	Characterization of tourmaline crystals by Rietveld and single-crystal structure refinement: A comparative study. <i>Geosciences Journal</i> , 2002, 6, 237-243.	0.6	3
434	NEVADAITE, $(\text{Cu}^{2+}, \text{Al}, \text{V}^{3+})_6 [\text{Al}_8 (\text{PO}_4)_8 \text{F}_8] (\text{OH})_2 (\text{H}_2\text{O})_{22}$ , A NEW PHOSPHATE MINERAL SPECIES FROM THE GOLD QUARRY MINE, CARLIN, EUREKA COUNTY, NEVADA: DESCRIPTION AND CRYSTAL STRUCTURE. <i>Canadian Mineralogist</i> , 2004, 42, 741-752.	0.3	3
435	THE CRYSTAL CHEMISTRY OF THE KORNERUPINE-PRISMATINE SERIES. V. THE SITE OF BERYLLIUM IN KORNERUPINE. <i>Canadian Mineralogist</i> , 2009, 47, 303-314.	0.3	3
436	Fontarnauite, $(\text{Na}, \text{K})_2 (\text{Sr}, \text{Ca}) (\text{SO}_4) [\text{B}_5\text{O}_8 (\text{OH})] (\text{H}_2\text{O})_2$ , A New Sulfate-Borate Mineral From DoÄŸanlar (Emet), KÄ¼tahya Province, Western Anatolia, Turkey. <i>Canadian Mineralogist</i> , 2015, 53, 803-820.	0.3	3
437	Khvorovite, $\text{Pb}^{2+}_4 \text{Ca}_2 [\text{Si}_8 \text{B}_2 (\text{SiB}) \text{O}_{28}] \text{F}$ , a new hyalotekite-group mineral from the Darai-Pioz alkaline massif, Tajikistan: Description and crystal structure. <i>Mineralogical Magazine</i> , 2015, 79, 949-963.	0.6	3
438	Oxo-mangani-leakeite from the Hoskins mine, New South Wales, Australia: occurrence and mineral description. <i>Mineralogical Magazine</i> , 2016, 80, 1013-1021.	0.6	3
439	Ferri-obertiite from the Rothenberg quarry, Eifel volcanic complex, Germany: mineral data and crystal chemistry of a new amphibole end-member. <i>Mineralogical Magazine</i> , 2017, 81, 641-651.	0.6	3
440	MÄ±ssbauer spectroscopy of pyroxene in the light-dark structure of the Kapoeta meteorite: implications for thermal history of the Kapoeta parent body. <i>Journal of Physics: Conference Series</i> , 2017, 869, 012096.	0.3	3
441	Manekiite, ideally $\text{NaCa}_2 \text{Fe}_2 (\text{Fe}_3 \text{Mg}) \text{Mn}_2 (\text{PO}_4)_6 (\text{H})_3$ a new phosphate mineral of the wicksite supergroup from the MichaÄ±kowa pegmatite, GÄ±ry Sowie Block, southwestern Poland. <i>Mineralogical Magazine</i> , 2017, 81, 723-736.	0.6	3
442	Chemographic exploration of the hyalotekite structure-type. <i>Mineralogical Magazine</i> , 2018, 82, 929-937.	0.6	3
443	High-temperature Fe oxidation coupled with redistribution of framework cations in lobanovite, $\text{K}_2 \text{Na} (\text{Fe}_2)_4 \text{Mg}_2 (\text{Na}) \text{Ti}_2 (\text{Si}_4 \text{O}_{12})_3$ the first titanosilicate case. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 578-590.	0.5	3
444	Gaidunningite, Ideally $\text{Hg}_{2+3} [\text{NHg}_{2+2}]_{18} (\text{Cl}, \text{I})_{24}$ , a New Mineral from the Clear Creek Mine, San Benito County, California, USA: Description and Crystal Structure. <i>Canadian Mineralogist</i> , 2019, 57, 295-310.	0.3	3
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