Frank C Hawthorne

List of Publications by Year
in descending order

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510 papers	14,279 citations	29994 54 h-index	34900 98 g-index
521 all docs	521 docs citations	521 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. Mineralogical Magazine, 1997, 61, 295-310.	0.6	1,264
2	Nomenclature of the amphibole supergroup. American Mineralogist, 2012, 97, 2031-2048.	0.9	898
3	Nomenclature of the tourmaline-supergroup minerals. American Mineralogist, 2011, 96, 895-913.	0.9	456
4	Classification of the minerals of the tourmaline group. European Journal of Mineralogy, 1999, 11, 201-216.	0.4	427
5	Detection and discrimination of sulfate minerals using reflectance spectroscopy. Icarus, 2006, 184, 121-157.	1.1	317
6	Comprehensive derivation of bond-valence parameters for ion pairs involving oxygen. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 562-578.	0.5	298
7	Crystal Chemical Aspects of Vanadium:Â Polyhedral Geometries, Characteristic Bond Valences, and Polymerization of (VOn) Polyhedra. Chemistry of Materials, 2000, 12, 1248-1259.	3.2	234
8	The Crystal Chemistry of Sulfate Minerals. Reviews in Mineralogy and Geochemistry, 2000, 40, 1-112.	2.2	229
9	The Crystal Chemistry of the Phosphate Minerals. Reviews in Mineralogy and Geochemistry, 2002, 48, 123-253.	2.2	148
10	The crystal chemistry of the M+VO3 (M+ = Li, Na, K, NH4, Tl, Rb, and Cs) pyroxenes. Journal of Solid State Chemistry, 1977, 22, 157-170.	1.4	143
11	Nomenclature of amphiboles: additions and revisions to the International Mineralogical Association's amphibole nomenclature. Mineralogical Magazine, 2004, 68, 209-215.	0.6	135
12	XPS spectra of uranyl minerals and synthetic uranyl compounds. I: The U 4f spectrum. Geochimica Et Cosmochimica Acta, 2009, 73, 2471-2487.	1.6	129
13	NOMENCLATURE OF AMPHIBOLES: ADDITIONS AND REVISIONS TO THE INTERNATIONAL MINERALOGICAL ASSOCIATION'S 1997 RECOMMENDATIONS. Canadian Mineralogist, 2003, 41, 1355-1362.	0.3	128
14	The role of OH and H₂O in oxide and oxysalt minerals. Zeitschrift Fur Kristallographie - Crystalline Materials, 1992, 201, 183-206.	0.4	127
15	Structural aspects of oxide and oxysalt crystals. Acta Crystallographica Section B: Structural Science, 1994, 50, 481-510.	1.8	124
16	Amphiboles: Crystal Chemistry. Reviews in Mineralogy and Geochemistry, 2007, 67, 1-54.	2.2	118
17	Graphical enumeration of polyhedral clusters. Acta Crystallographica Section A: Foundations and Advances, 1983, 39, 724-736.	0.3	113
18	Bond-length distributions for ions bonded to oxygen: alkali and alkaline-earth metals. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 602-625.	0.5	94

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19	Structural relations in copper oxysalt minerals. I. Structural hierarchy. Acta Crystallographica Section B: Structural Science, 1993, 49, 28-56.	1.8	92
20	Ikaite crystals in melting sea ice â€“ implications for <i>p</i>CO₂ and pH levels in Arctic surface waters. Cryosphere, 2012, 6, 901-908.	1.5	91
21	The behaviour of Ti in amphiboles: I. Four- and six-coordinate Ti in richterite. European Journal of Mineralogy, 1992, 4, 425-440.	0.4	90
22	SIMONKOLLEITE, Zn5 (OH)8 Cl2 (H2O), A DECORATED INTERRUPTED-SHEET STRUCTURE OF THE FORM [MÂ2]4. Canadian Mineralogist, 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. Canadian Mineralogist, 2002, 40, 699-710.	0.3	88
24	BOND-VALENCE CONSTRAINTS ON THE CHEMICAL COMPOSITION OF TOURMALINE. Canadian Mineralogist, 2002, 40, 789-797.	0.3	85
25	Classification of the Amphiboles. Reviews in Mineralogy and Geochemistry, 2007, 67, 55-88.	2.2	85
26	The crystal structure of ianthinite, [U24+(UO2)4O6(OH)4(H2O)4](H2O)5: a possible phase for Pu4+ incorporation during the oxidation of spent nuclear fuel. Journal of Nuclear Materials, 1997, 249, 199-206.	1.3	84
27	A CRYSTAL-CHEMICAL APPROACH TO THE COMPOSITION AND OCCURRENCE OF VANADIUM MINERALS. Canadian Mineralogist, 2000, 38, 1443-1456.	0.3	84
28	Compositional evolution of tourmaline in lepidolite-subtype pegmatites. European Journal of Mineralogy, 1999, 11, 569-584.	0.4	82
29	XPS spectra of uranyl minerals and synthetic uranyl compounds. II: The O 1s spectrum. Geochimica Et Cosmochimica Acta, 2009, 73, 2488-2509.	1.6	77
30	Spectral reflectance properties of minerals exposed to simulated Mars surface conditions. Icarus, 2008, 195, 140-168.	1.1	76
31	A bond-topological approach to theoretical mineralogy: crystal structure, chemical composition and chemical reactions. Physics and Chemistry of Minerals, 2012, 39, 841-874.	0.3	75
32	Understanding the weakly bonded constituents in oxysalt minerals. Zeitschrift Fur Kristallographie - Crystalline Materials, 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. Canadian Mineralogist, 2001, 39, 1225-1242.	0.3	73
34	Nomenclature of amphiboles: additions and revisions to the International Mineralogical Association's amphibole nomenclature. European Journal of Mineralogy, 2004, 16, 190-195.	0.4	73
35	Temperature-dependent Al order-disorder in the tetrahedral double chain of C2/m amphiboles. European Journal of Mineralogy, 1995, 7, 1049-1064.	0.4	72
36	Short-range order of cations in synthetic amphiboles along the richterite-pargasite join. European Journal of Mineralogy, 1999, 11, 79-94.	0.4	71

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37	Long-Range Order in Amphiboles. Reviews in Mineralogy and Geochemistry, 2007, 67, 125-171.	2.2	70
38	THE CRYSTAL CHEMISTRY OF NEPHELINE. Canadian Mineralogist, 2003, 41, 61-70.	0.3	69
39	Tourmaline the Indicator Mineral: From Atomic Arrangement to Viking Navigation. Elements, 2011, 7, 307-312.	0.5	69
40	A Rietveld and infrared study of synthetic amphiboles along the potassium-richterite-tremolite join. American Mineralogist, 1997, 82, 708-716.	0.9	68
41	Structure and chemistry of phosphate minerals. Mineralogical Magazine, 1998, 62, 141-164.	0.6	66
42	THE STEREOCHEMISTRY AND CHEMICAL COMPOSITION OF INTERSTITIAL COMPLEXES IN URANYL-OXYSALT MINERALS. Canadian Mineralogist, 2008, 46, 467-501.	0.3	66
43	The hydrogen positions in scorodite. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 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. American Mineralogist, 2002, 87, 1477-1485.	0.9	63
45	Liquidlike correlations in single-crystalline Y<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Mo<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>7</mml:mn></mml:msub></mml:math>	1.1	62
46	Structural hierarchy in M^[6]T^[4]Ï•_n minerals. Zeitschrift Fur Kristallographie - Crystalline Materials, 1990, 192, 1-52.	0.4	61
47	Short-range order in synthetic aluminous tremolites: An infrared and triple-quantum MAS NMR study. American Mineralogist, 2000, 85, 1716-1724.	0.9	61
48	THE CRYSTAL STRUCTURE OF NIKISCHERITE, Na Fe2+6 Al3(SO4)2 (OH)18 (H2O)12, A MINERAL OF THE SHIGAITE GROUP. Canadian Mineralogist, 2003, 41, 79-82.	0.3	61
49	STRUCTURE TOPOLOGY AND HYDROGEN BONDING IN MARTHOZITE, Cu2+[(UO2)3(SeO3)2O2](H2O)8, A COMPARISON WITH GUILLEMINITE, Ba[(UO2)3(SeO3)2O2](H2O)3. Canadian Mineralogist, 2001, 39, 797-807.	0.3	60
50	Bond-length distributions for ions bonded to oxygen: metalloids and post-transition metals. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 63-78.	0.5	60
51	Some systematics of the garnet structure. Journal of Solid State Chemistry, 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. IUCrJ, 2020, 7, 581-629.	1.0	59
53	The Crystal Chemistry of Beryllium. Reviews in Mineralogy and Geochemistry, 2002, 50, 333-403.	2.2	58
54	Tourmaline of the elbaite-dravite series from an elbaite-subtype pegmatite at BliÅ¾nÃ¡, southern Bohemia, Czech Republic. European Journal of Mineralogy, 1999, 11, 557-568.	0.4	56

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55	Refinement of the crystal structure of krÃ¶hnkite. 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 [M3Â11 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 Cu2(OH)3Cl 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	Rossmanite, []($LiAl_2$)$Al_6(Si_6O_{18})(BO_3)_3(OH)_4$, 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 MÃ¶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 OXYSALT 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. American Mineralogist, 2002, 87, 1437-1442.	0.9	41
74	Hydrogen bonding in colemanite; an X-ray and structure-energy study. Canadian Mineralogist, 1993, 31, 297-304.	0.3	41
75	THE CRYSTAL CHEMISTRY OF EPISTOLITE. Canadian Mineralogist, 2004, 42, 797-806.	0.3	40
76	The crystal structure of Ba2V2O7. Journal of Solid State Chemistry, 1978, 26, 345-355.	1.4	39
77	Metastructures: homeomorphisms between complex inorganic structures and three-dimensional nets. Acta Crystallographica Section B: Structural Science, 1999, 55, 811-829.	1.8	39
78	Oscillatory zoned liddicoatite from Anjanabonoina, central Madagascar. I. Crystal chemistry and structure by SREF and 11B and 27Al MAS NMR spectroscopy. Canadian Mineralogist, 2011, 49, 63-88.	0.3	39
79	Toward theoretical mineralogy: A bond-topological approach. American Mineralogist, 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 ungarettiite, NaNa₂(Mn (super 2+)₂Mn (super) Tj ETQq0 0 0 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/mâ€“P42/n phase transition. Mineralogical Magazine, 1999, 63, 321-329.	0.6	37
82	Near-infrared study of short-range disorder of OH and F in monoclinic amphiboles. American Mineralogist, 1999, 84, 86-91.	0.9	37
83	A structure hierarchy for silicate minerals: sheet silicates. Mineralogical Magazine, 2019, 83, 3-55.	0.6	37
84	Structure of calcium tartrate tetrahydrate. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1982, 38, 2461-2463.	0.4	36
85	The crystal structure of tancoite. TMPM Tschermaks Mineralogische Und Petrographische Mitteilungen, 1983, 31, 121-135.	0.3	36
86	TOPOLOGICAL ENUMERATION OF DECORATED [Cu2+Â2]N SHEETS IN HYDROXY-HYDRATED COPPER-OXYSALT MINERALS. Canadian Mineralogist, 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. Canadian Mineralogist, 2001, 39, 1243-1256.	0.3	36
88	The structure hierarchy hypothesis. Mineralogical Magazine, 2014, 78, 957-1027.	0.6	36
89	Symesite, Pb10(SO4) O7Cl4(H2O), a new PbO-related sheet mineral: Description and crystal structure. American Mineralogist, 2000, 85, 1526-1533.	0.9	35
90	Amphibole synthesis at low pressure: what grows and what doesn't. European Journal of Mineralogy, 1991, 3, 983-1004.	0.4	35

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91	REFINEMENT OF THE CRYSTAL STRUCTURE OF BILLIETITE, Ba [(UO2)6 O4 (OH)6] (H2O)8. Canadian Mineralogist, 2006, 44, 1197-1205.	0.3	35
92	Structural Characterization of the Î²-Cu2V2O7â€“Î±-Zn2V2O7 Solid Solution. Journal of Solid State Chemistry, 1999, 146, 271-276.	1.4	34
93	THE CRYSTAL STRUCTURE OF DEHYDRATED WYARTITE, Ca (CO3) [U5+ (U6+O2)2 O4 (OH)] (H2O)3. Canadian Mineralogist, 2006, 44, 1379-1385.	0.3	34
94	Refinement of the crystal structure of NaScSi2O6. 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, NaNa2(Mg3Fe3+Ti4+)Si8O22O2. 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(MgAl₂)(Al₅Mg)Si₆O₁₈(BO₃)₃(OH)₃O, 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	Dellaventuraite, NaNa2(MgMn23+Ti4+Li)Si8O22O2, 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, V4+ O (SO4) (H2O)3, A NEW MINERAL SPECIES FROM TEMPLE MOUNTAIN, EMERY COUNTY, UTAH, U.S.A.. Canadian Mineralogist, 2003, 41, 83-90.	0.3	28
114	MALEEVITE, BaB2Si2O8, AND PEKOVITE, SrB2Si2O8, 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 PO₄. 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-richterite. American Mineralogist, 1996, 81, 56-60.	0.9	27
122	Synthesis and crystal-chemistry of alkali amphiboles in the system Na2O-MgO-FeO-Fe2O3-SiO2-H2O as a function of fO2. 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-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, NaBSiO4, AND LISITSYNITE, KBSi2O6, FROM THE KHIBINA LOVOZERO COMPLEX, KOLA PENINSULA, RUSSIA. Canadian Mineralogist, 2001, 39, 159-169.	0.3	26
129	ANORTHOMINASRAGRITE, V4+ O (SO4) (H2O)5, A NEW MINERAL SPECIES FROM TEMPLE MOUNTAIN, EMERY COUNTY, UTAH, U.S.A.: DESCRIPTION, CRYSTAL STRUCTURE AND HYDROGEN BONDING. Canadian Mineralogist, 2003, 41, 959-979.	0.3	26
130	Li-BEARING ARFVEDSONITIC AMPHIBOLES FROM THE STRANGE LAKE PERALKALINE GRANITE, QUEBEC. Canadian Mineralogist, 2001, 39, 1161-1170.	0.3	26
131	Cesstibtantiteâ€"a geologic introduction to the inverse pyrochlores. Mineralogy and Petrology, 1993, 48, 235-255.	0.4	25
132	A new hyper-calcic amphibole with Ca at the A site; fluor-cannilloite from Pargas, Finland. American Mineralogist, 1996, 81, 995-1002.	0.9	25
133	GROWTH OF URANYL-HYDROXY-HYDRATE AND URANYL-CARBONATE MINERALS ON THE (104) SURFACE OF CALCITE. Canadian Mineralogist, 2004, 42, 1683-1697.	0.3	25
134	Mid-IR bands of synthetic calcic amphiboles of tremolite-pargasite series and of natural calcic amphiboles. American Mineralogist, 2008, 93, 1112-1118.	0.9	25
135	An investigation of SIMS matrix effects on H, Li and B ionization in tourmaline. European Journal of Mineralogy, 1999, 11, 679-690.	0.4	25
136	The crystal chemistry of the amphiboles. I: Refinement of the Crystal structure of ferrotschermakite. Mineralogical Magazine, 1973, 39, 36-48.	0.6	24
137	Sigioite : The oxidation mechanism in [M 2 3 + (PO4)2(OH)2(H2O)2]2 - structures. Mineralogy and Petrology, 1988, 38, 201-211.	0.4	24
138	THE TANCO PEGMATITE AT BERNIC LAKE, MANITOBA. XIII. EXOCONTACT TOURMALINE. Canadian Mineralogist, 2000, 38, 869-876.	0.3	24
139	SIMS ionization of hydrogen in silicates: a case study of kornerupine. Journal of Analytical Atomic Spectrometry, 2001, 16, 1266-1270.	1.6	24
140	4. Long-Range Order in Amphiboles. , 2007, , 125-172.		24
141	From structure topology to chemical composition. VII. Titanium silicates: the crystal structure and crystal chemistry of jinshajiangite. European Journal of Mineralogy, 2009, 21, 871-883.	0.4	24
142	Uranium-rich opal from the Nopal I uranium deposit, PeÃ±a Blanca, Mexico: Evidence for the uptake and retardation of radionuclides. Geochimica Et Cosmochimica Acta, 2010, 74, 187-202.	1.6	24
143	The behaviour of Mn in amphiboles: Mn in richterite. European Journal of Mineralogy, 1993, 5, 43-52.	0.4	24
144	FROM STRUCTURE TOPOLOGY TO CHEMICAL COMPOSITION. IV. TITANIUM SILICATES: THE ORTHORHOMBIC POLYTYPE OF NABALAMPROPHYLLITE FROM THE LOVOZERO MASSIF, KOLA PENINSULA, RUSSIA. Canadian Mineralogist, 2008, 46, 1323-1331.	0.3	24

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