

Frank C Hawthorne

List of Publications by Citations

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490
papers

8,919
citations

41
h-index

75
g-index

520
ext. papers

10,054
ext. citations

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L-index

#	Paper	IF	Citations
490	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	1.7	650
489	Nomenclature of the amphibole supergroup. <i>American Mineralogist</i> , 2012 , 97, 2031-2048	2.9	540
488	Classification of the minerals of the tourmaline group. <i>European Journal of Mineralogy</i> , 1999 , 11, 201-216.	2.2	306
487	Nomenclature of the tourmaline-supergroup minerals. <i>American Mineralogist</i> , 2011 , 96, 895-913	2.9	273
486	Detection and discrimination of sulfate minerals using reflectance spectroscopy. <i>Icarus</i> , 2006 , 184, 121-158	1.58	269
485	Crystal Chemical Aspects of Vanadium: Polyhedral Geometries, Characteristic Bond Valences, and Polymerization of (VO _n) Polyhedra. <i>Chemistry of Materials</i> , 2000 , 12, 1248-1259	9.6	197
484	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, 562-78	1.8	184
483	The Crystal Chemistry of Sulfate Minerals. <i>Reviews in Mineralogy and Geochemistry</i> , 2000 , 40, 1-112	7.1	148
482	The crystal chemistry of the M+VO ₃ (M+ = Li, Na, K, NH ₄ , Tl, Rb, and Cs) pyroxenes. <i>Journal of Solid State Chemistry</i> , 1977 , 22, 157-170	3.3	131
481	The Crystal Chemistry of the Phosphate Minerals. <i>Reviews in Mineralogy and Geochemistry</i> , 2002 , 48, 123-253	7.1	102
480	XPS spectra of uranyl minerals and synthetic uranyl compounds. I: The U 4f spectrum. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 2471-2487	5.5	96
479	Structural aspects of oxide and oxysalt crystals. <i>Acta Crystallographica Section B: Structural Science</i> , 1994 , 50, 481-510		92
478	NOMENCLATURE OF AMPHIBOLES: ADDITIONS AND REVISIONS TO THE INTERNATIONAL MINERALOGICAL ASSOCIATION'S 1997 RECOMMENDATIONS. <i>Canadian Mineralogist</i> , 2003 , 41, 1355-1362	0.7	84
477	Amphiboles: Crystal Chemistry. <i>Reviews in Mineralogy and Geochemistry</i> , 2007 , 67, 1-54	7.1	75
476	The crystal structure of ianthinite, [U ₂₄ +(UO ₂) ₄ O ₆ (OH) ₄ (H ₂ O) ₄](H ₂ O) ₅ : a possible phase for Pu ⁴⁺ incorporation during the oxidation of spent nuclear fuel. <i>Journal of Nuclear Materials</i> , 1997 , 249, 199-206	2.3	73
475	SIMONKOLLEITE, Zn ₅ (OH) ₈ Cl ₂ (H ₂ O), A DECORATED INTERRUPTED-SHEET STRUCTURE OF THE FORM [M ²⁺] ₄ . <i>Canadian Mineralogist</i> , 2002 , 40, 939-946	0.7	72
474	Ikaite crystals in melting sea ice: Implications for CO ₂ and pH levels in Arctic surface waters. <i>Cryosphere</i> , 2012 , 6, 901-908	5.5	70

473	Spectral reflectance properties of minerals exposed to simulated Mars surface conditions. <i>Icarus</i> , 2008 , 195, 140-168	3.8	69
472	Nomenclature of amphiboles: additions and revisions to the International Mineralogical Association's amphibole nomenclature. <i>Mineralogical Magazine</i> , 2004 , 68, 209-215	1.7	68
471	The role of OH and H ₂ O in oxide and oxysalt minerals. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1992 , 201,	1	68
470	Classification of the Amphiboles. <i>Reviews in Mineralogy and Geochemistry</i> , 2007 , 67, 55-88	7.1	64
469	Nomenclature of amphiboles: additions and revisions to the International Mineralogical Association's amphibole nomenclature. <i>European Journal of Mineralogy</i> , 2004 , 16, 190-195	2.2	57
468	Structural relations in copper oxysalt minerals. I. Structural hierarchy. <i>Acta Crystallographica Section B: Structural Science</i> , 1993 , 49, 28-56		56
467	Some systematics of the garnet structure. <i>Journal of Solid State Chemistry</i> , 1981 , 37, 157-164	3.3	55
466	The behaviour of Ti in amphiboles: I. Four- and six-coordinate Ti in richterite. <i>European Journal of Mineralogy</i> , 1992 , 4, 425-440	2.2	55
465	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, 602-25	1.8	54
464	XPS spectra of uranyl minerals and synthetic uranyl compounds. II: The O 1s spectrum. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 2488-2509	5.5	53
463	A CRYSTAL-CHEMICAL APPROACH TO THE COMPOSITION AND OCCURRENCE OF VANADIUM MINERALS. <i>Canadian Mineralogist</i> , 2000 , 38, 1443-1456	0.7	53
462	Temperature-dependent Al order-disorder in the tetrahedral double chain of C2/m amphiboles. <i>European Journal of Mineralogy</i> , 1995 , 7, 1049-1064	2.2	53
461	Tourmaline the Indicator Mineral: From Atomic Arrangement to Viking Navigation. <i>Elements</i> , 2011 , 7, 307-312	3.8	51
460	Graphical enumeration of polyhedral clusters. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1983 , 39, 724-736		51
459	Short-range order of cations in synthetic amphiboles along the richterite-pargasite join. <i>European Journal of Mineralogy</i> , 1999 , 11, 79-94	2.2	50
458	Liquidlike correlations in single-crystalline Y ₂ Mo ₂ O ₇ : An unconventional spin glass. <i>Physical Review B</i> , 2014 , 89,	3.3	49
457	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	1.6	47
456	THE CRYSTAL CHEMISTRY OF NEPHELINE. <i>Canadian Mineralogist</i> , 2003 , 41, 61-70	0.7	47

455	THE CRYSTAL STRUCTURE OF NIKISCHERITE, Na Fe ₂₊₆ Al ₃ (SO ₄) ₂ (OH) ₁₈ (H ₂ O) ₁₂ , A MINERAL OF THE SHIGAITE GROUP. <i>Canadian Mineralogist</i> , 2003 , 41, 79-82	0.7	46
454	The hydrogen positions in scorodite. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1976 , 32, 2891-2892		46
453	Structure and chemistry of phosphate minerals*. <i>Mineralogical Magazine</i> , 1998 , 62, 141-164	1.7	44
452	THE STEREOCHEMISTRY AND CHEMICAL COMPOSITION OF INTERSTITIAL COMPLEXES IN URANYL-OXYSALT MINERALS. <i>Canadian Mineralogist</i> , 2008 , 46, 467-501	0.7	43
451	Understanding the weakly bonded constituents in oxysalt minerals. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2008 , 223,	1	42
450	Refinement of the crystal structure of botallackite. <i>Mineralogical Magazine</i> , 1985 , 49, 87-89	1.7	42
449	Long-Range Order in Amphiboles. <i>Reviews in Mineralogy and Geochemistry</i> , 2007 , 67, 125-171	7.1	41
448	Compositional evolution of tourmaline in lepidolite-subtype pegmatites. <i>European Journal of Mineralogy</i> , 1999 , 11, 569-584	2.2	41
447	Mushroom elbaite from the Kat Chay mine, Momeik, near Mogok, Myanmar: I. Crystal chemistry by SREF, EMPA, MAS NMR and Mössbauer spectroscopy. <i>Mineralogical Magazine</i> , 2008 , 72, 747-761	1.7	40
446	Mineralogy and Weathering of Smelter-Derived Spherical Particles in Soils: Implications for the Mobility of Ni and Cu in the Surficial Environment. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 3619-3641	2.6	39
445	Refinement of the crystal structure of krönkite. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1975 , 31, 1753-1755		38
444	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	1.8	38
443	Structural hierarchy in M[6]T[4]n minerals. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1990 , 192, 1-52	1	37
442	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	0.7	36
441	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	2.9	35
440	Chapter 2. THE CRYSTAL CHEMISTRY OF BORON 1996 , 41-116		35
439	Short-Range Order in Amphiboles. <i>Reviews in Mineralogy and Geochemistry</i> , 2007 , 67, 173-222	7.1	34
438	ON THE CLASSIFICATION OF AMPHIBOLES. <i>Canadian Mineralogist</i> , 2006 , 44, 1-21	0.7	34

437	Synthesis and infrared spectroscopy of amphiboles along the tremolite-pargasite join. <i>European Journal of Mineralogy</i> , 2003 , 15, 341-347	2.2	34
436	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	0.7	33
435	STRUCTURE TOPOLOGY AND HYDROGEN BONDING IN MARTHOZITE, $Cu_{2+}[(UO_2)_3(SeO_3)_2O_2](H_2O)_8$, A COMPARISON WITH GUILLEMINITE, $Ba[(UO_2)_3(SeO_3)_2O_2](H_2O)_3$. <i>Canadian Mineralogist</i> , 2001 , 39, 797-807	0.7	33
434	BOND-VALENCE CONSTRAINTS ON THE CHEMICAL COMPOSITION OF TOURMALINE. <i>Canadian Mineralogist</i> , 2002 , 40, 789-797	0.7	33
433	The crystal structure of $Ba_2V_2O_7$. <i>Journal of Solid State Chemistry</i> , 1978 , 26, 345-355	3.3	33
432	Tourmaline of the elbaite-dravite series from an elbaite-subtype pegmatite at Bližňov, southern Bohemia, Czech Republic. <i>European Journal of Mineralogy</i> , 1999 , 11, 557-568	2.2	32
431	Structure of calcium tartrate tetrahydrate. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1982 , 38, 2461-2463		31
430	The Crystal Chemistry of Beryllium. <i>Reviews in Mineralogy and Geochemistry</i> , 2002 , 50, 333-403	7.1	30
429	Amphibole synthesis at low pressure: what grows and what doesn't. <i>European Journal of Mineralogy</i> , 1991 , 3, 983-1004	2.2	30
428	Hydrogen bonding in colemanite; an X-ray and structure-energy study. <i>Canadian Mineralogist</i> , 1993 , 31, 297-304	0.7	30
427	Silvialite, a new sulfate-dominant member of the scapolite group with an Al-Si composition near the $14/m\bar{2}42/n$ phase transition. <i>Mineralogical Magazine</i> , 1999 , 63, 321-329	1.7	29
426	Amphiboles 2007 ,		29
425	Structural complexity and crystallization: the Ostwald sequence of phases in the $Cu_2(OH)_3Cl$ system (botallackite-tacamite-linoatacamite). <i>Structural Chemistry</i> , 2017 , 28, 153-159	1.8	28
424	The structure hierarchy hypothesis. <i>Mineralogical Magazine</i> , 2014 , 78, 957-1027	1.7	28
423	Chapter 8. MOSSBAUER SPECTROSCOPY 1988 , 255-340		28
422	A BOND-VALENCE APPROACH TO THE URANYL-OXIDE HYDROXY-HYDRATE MINERALS: CHEMICAL COMPOSITION AND OCCURRENCE. <i>Canadian Mineralogist</i> , 2004 , 42, 1601-1627	0.7	27
421	A secondary ion mass spectrometry (SIMS) re-evaluation of B and Li isotopic compositions of Cu-bearing elbaite from three global localities. <i>Mineralogical Magazine</i> , 2011 , 75, 2485-2494	1.7	26
420	THE CRYSTAL STRUCTURE OF DEHYDRATED WYARTITE, $Ca(CO_3)[U_5+(U_6+O_2)_2O_4(OH)](H_2O)_3$. <i>Canadian Mineralogist</i> , 2006 , 44, 1379-1385	0.7	26

419	Symesite, Pb ₁₀ (SO ₄) ₇ Cl ₄ (H ₂ O), a new PbO-related sheet mineral: Description and crystal structure. <i>American Mineralogist</i> , 2000 , 85, 1526-1533	2.9	26
418	Metastructures: homeomorphisms between complex inorganic structures and three-dimensional nets. <i>Acta Crystallographica Section B: Structural Science</i> , 1999 , 55, 811-829		26
417	Structural Characterization of the $\text{Cu}_2\text{V}_2\text{O}_7\text{-Zn}_2\text{V}_2\text{O}_7$ Solid Solution. <i>Journal of Solid State Chemistry</i> , 1999 , 146, 271-276	3.3	26
416	The crystal structure of tancoite. <i>TMPM Tschermaks Mineralogische Und Petrographische Mitteilungen</i> , 1983 , 31, 121-135		26
415	Rietveld structure refinement of synthetic strontium-rich potassium-rich richterites. <i>European Journal of Mineralogy</i> , 1993 , 5, 199-206	2.2	26
414	5. The Crystal Chemistry of the Phosphate Minerals 2002 , 123-254		26
413	Roebing Medal Paper. Toward theoretical mineralogy: A bond-topological approach. <i>American Mineralogist</i> , 2015 , 100, 696-713	2.9	25
412	The occurrence of tetrahedrally coordinated Al and B in tourmaline: An ¹¹ B and ²⁷ Al MAS NMR study. <i>American Mineralogist</i> , 2009 , 94, 785-792	2.9	25
411	Crystals from first principles. <i>Nature</i> , 1990 , 345, 297-297	50.4	25
410	The crystal chemistry of the amphiboles II Refinement of the crystal structure of oxy-kaersutite. <i>Mineralogical Magazine</i> , 1973 , 39, 390-400	1.7	25
409	Empirical Lewis acid strengths for 135 cations bonded to oxygen. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017 , 73, 956-961	1.8	24
408	Hydrous silica coatings: occurrence, speciation of metals, and environmental significance. <i>Environmental Science & Technology</i> , 2009 , 43, 8775-80	10.3	24
407	A Rietveld and infrared study of synthetic amphiboles along the potassium-rich richterite-tremolite join. <i>American Mineralogist</i> , 1997 , 82, 708-716	2.9	24
406	THE CRYSTAL CHEMISTRY OF EPISTOLITE. <i>Canadian Mineralogist</i> , 2004 , 42, 797-806	0.7	24
405	THE CRYSTAL CHEMISTRY OF THE "NICKELALUMITE"-GROUP MINERALS. <i>Canadian Mineralogist</i> , 2005 , 43, 1511-1519	0.7	24
404	4. Long-Range Order in Amphiboles 2007 , 125-172		23
403	Crystal structure of vanadium(III) tris(metaphosphate). <i>Canadian Journal of Chemistry</i> , 1977 , 55, 1673-1679		23
402	The crystal chemistry of the amphiboles. III: Refinement of the crystal structure of a sub-silicic hastingsite. <i>Mineralogical Magazine</i> , 1977 , 41, 43-50	1.7	23

401	Site occupancies in synthetic monoclinic amphiboles; Rietveld structure refinement and infrared spectroscopy of (nickel, magnesium, cobalt)-richterite. <i>American Mineralogist</i> , 1997 , 82, 291-301	2.9	22
400	Crystal-structure refinement of a rubidian cesian phlogopite. <i>American Mineralogist</i> , 1999 , 84, 782-789	2.9	22
399	Prismatine: revalidation for boron-rich compositions in the kornerupine group. <i>Mineralogical Magazine</i> , 1996 , 60, 483-491	1.7	22
398	REFINEMENT OF THE CRYSTAL STRUCTURE OF BILLIETITE, Ba [(UO ₂) ₆ O ₄ (OH) ₆] (H ₂ O) ₈ . <i>Canadian Mineralogist</i> , 2006 , 44, 1197-1205	0.7	22
397	Uranium-rich opal from the Nopal I uranium deposit, Peñ Blanca, Mexico: Evidence for the uptake and retardation of radionuclides. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 187-202	5.5	21
396	From structure topology to chemical composition. IX. Titanium silicates: revision of the crystal chemistry of lomonosovite and murmanite, Group-IV minerals. <i>Mineralogical Magazine</i> , 2008 , 72, 1207-1228	1.7	21
395	TOPOLOGICAL ENUMERATION OF DECORATED [Cu ₂ + ²]N SHEETS IN HYDROXY-HYDRATED COPPER-OXYSALT MINERALS. <i>Canadian Mineralogist</i> , 2000 , 38, 751-761	0.7	21
394	Short-range order in synthetic aluminous tremolites: An infrared and triple-quantum MAS NMR study. <i>American Mineralogist</i> , 2000 , 85, 1716-1724	2.9	21
393	Maruyamaite, K(MgAl ₂)(Al ₅ Mg)Si ₆ O ₁₈ (BO ₃) ₃ (OH) ₃ O, a potassium-dominant tourmaline from the ultrahigh-pressure Kokchetav massif, northern Kazakhstan: Description and crystal structure. <i>American Mineralogist</i> , 2016 , 101, 355-361	2.9	20
392	From structure topology to chemical composition. XII. Titanium silicates: the crystal chemistry of rinkite, Na ₂ Ca ₄ REETi(Si ₂ O ₇) ₂ OF ₃ . <i>Mineralogical Magazine</i> , 2011 , 75, 2755-2774	1.7	20
391	THE CRYSTAL CHEMISTRY OF THE [M ₃ ' ₁₁ 14] TRIMERIC STRUCTURES: FROM HYPERAGPAITIC COMPLEXES TO SALINE LAKES. <i>Canadian Mineralogist</i> , 2001 , 39, 1275-1294	0.7	20
390	Pezzottaite from Ambatovita, Madagascar: A New Gem Mineral. <i>Gems & Gemology</i> , 2003 , 39, 284-301	1.8	20
389	From structure topology to chemical composition. VII. Titanium silicates: the crystal structure and crystal chemistry of jinshajiangite. <i>European Journal of Mineralogy</i> , 2009 , 21, 871-883	2.2	19
388	NaLi[V ₃ O ₈] insertion electrodes: Structures and diffusion pathways. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 2616-2628	3.3	19
387	POLYPHITE AND SOBOLEVITE: REVISION OF THEIR CRYSTAL STRUCTURES. <i>Canadian Mineralogist</i> , 2005 , 43, 1527-1544	0.7	19
386	The crystal structure of brunogeierite, Fe ₂ GeO ₄ spinel. <i>Mineralogical Magazine</i> , 2001 , 65, 441-444	1.7	19
385	THE Tanco PEGMATITE AT Bernic Lake, Manitoba. XIV. INTERNAL TOURMALINE. <i>Canadian Mineralogist</i> , 2000 , 38, 877-891	0.7	19
384	Near-infrared study of short-range disorder of OH and F in monoclinic amphiboles. <i>American Mineralogist</i> , 1999 , 84, 86-91	2.9	19

- 383 The crystal chemistry of the amphiboles. I: Refinement of the Crystal structure of ferrotschermakite. *Mineralogical Magazine*, **1973**, 39, 36-48 1.7 19
- 382 A structure hierarchy for silicate minerals: sheet silicates. *Mineralogical Magazine*, **2019**, 83, 3-55 1.7 19
- 381 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 1.8 18
- 380 EXTREME FRACTIONATION AND DEFORMATION OF THE LEUCOGRANITE - PEGMATITE SUITE AT RED CROSS LAKE, MANITOBA, CANADA. IV. MINERALOGY. *Canadian Mineralogist*, **2012**, 50, 1839-1875 0.7 18
- 379 Distinguishing among schoepite, [(UO₂)₈O₂(OH)₁₂](H₂O)₁₂, and related minerals by X-ray powder diffraction. *Powder Diffraction*, **1997**, 12, 230-238 1.8 18
- 378 OXYKINOSHITALITE, A NEW SPECIES OF MICA FROM FERNANDO DE NORONHA ISLAND, PERNAMBUCO, BRAZIL: OCCURRENCE AND CRYSTAL STRUCTURE. *Canadian Mineralogist*, **2005**, 43, 1501-1510 0.7 18
- 377 THE CRYSTAL CHEMISTRY OF MALINKOITE, NaBSiO₄, AND LISITSYNITE, KBSi₂O₆, FROM THE Khibina Lovozero Complex, Kola Peninsula, Russia. *Canadian Mineralogist*, **2001**, 39, 159-169 0.7 18
- 376 Crystal chemistry of three tourmalines by SREF, EMPA, and SIMS. *American Mineralogist*, **2002**, 87, 1437-1442 1.7 18
- 375 Rossmanite, (LiAl₂)Al₆(Si₆O₁₈)(BO₃)₃(OH)₄, a new alkali-deficient tourmaline: Description and crystal structure. *American Mineralogist*, **1998**, 83, 896-900 2.9 18
- 374 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 4.7 18
- 373 An investigation of SIMS matrix effects on H, Li and B ionization in tourmaline. *European Journal of Mineralogy*, **1999**, 11, 679-690 2.2 18
- 372 A new anhydrous amphibole from the Hoskins Mine, Grenfell, New South Wales, Australia; description and crystal structure of ungarrettiite, NaNa₂(Mn^{super 2+})₂Mn^(super 3+)₃Si₈O₂₂O₂. *American Mineralogist*, **1995**, 80, 165-172 2.9 18
- 371 THE CRYSTAL CHEMISTRY OF THE SCAPOLITE-GROUP MINERALS. I. CRYSTAL STRUCTURE AND LONG-RANGE ORDER. *Canadian Mineralogist*, **2008**, 46, 1527-1554 0.7 17
- 370 The crystal structure and chemical composition of cumengllite. *Mineralogical Magazine*, **1986**, 50, 157-162 1.7 17
- 369 Refinement of the crystal structure of NaScSi₂O₆. *Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry*, **1973**, 29, 2615-2616 1.7 17
- 368 The behaviour of Mn in amphiboles: Mn in richterite. *European Journal of Mineralogy*, **1993**, 5, 43-52 2.2 17
- 367 CHEVKINITE-(Ce): CRYSTAL STRUCTURE AND THE EFFECT OF MODERATE RADIATION-INDUCED DAMAGE ON SITE-OCCUPANCY REFINEMENT. *Canadian Mineralogist*, **2004**, 42, 1013-1025 0.7 17
- 366 PREDICTION OF CRYSTAL MORPHOLOGY OF COMPLEX URANYL-SHEET MINERALS. I. THEORY. *Canadian Mineralogist*, **2004**, 42, 1629-1649 0.7 17

- 365 Short-range atomic arrangements in minerals. I: The minerals of the amphibole, tourmaline and pyroxene supergroups. *European Journal of Mineralogy*, **2016**, 28, 513-536 2.2 17
- 364 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, 437-449² 17
- 363 The turquoise-chalcosiderite $\text{Cu}(\text{Al}, \text{Fe}^{3+})_6(\text{PO}_4)_4(\text{OH})_8 \cdot 4\text{H}_2\text{O}$ solid-solution series: A Mössbauer spectroscopy, XRD, EMPA, and FTIR study. *American Mineralogist*, **2011**, 96, 1433-1442 2.9 16
- 362 Mid-IR bands of synthetic calcic amphiboles of tremolite-pargasite series and of natural calcic amphiboles. *American Mineralogist*, **2008**, 93, 1112-1118 2.9 16
- 361 MALEEVITE, $\text{Ba}_2\text{Si}_2\text{O}_8$, AND PEKOVITE, $\text{Sr}_2\text{Si}_2\text{O}_8$, NEW MINERAL SPECIES FROM THE DARA-I-PIOZ ALKALINE MASSIF, NORTHERN TAJIKISTAN: DESCRIPTION AND CRYSTAL STRUCTURE. *Canadian Mineralogist*, **2004**, 42, 107-119 0.7 16
- 360 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 0.7 16
- 359 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 0.7 16
- 358 A structural phase-transition in $\text{K}(\text{Mg}_{1-x}\text{Cu}_x)\text{F}_3$ perovskite. *Physics and Chemistry of Minerals*, **1996**, 23, 141 1.6 16
- 357 Structure of erbium ditartrate trihydrate, $\text{Er}_4 \cdot 2\text{C}_4\text{H}_4\text{O}_6 \cdot 2\text{H}_2\text{O}$. *Acta Crystallographica Section C: Crystal Structure Communications*, **1983**, 39, 540-542 16
- 356 KIRCHHOFFITE, CsBSi_2O_6 , A NEW MINERAL SPECIES FROM THE DARAI-PIOZ ALKALINE MASSIF, TAJIKISTAN: DESCRIPTION AND CRYSTAL STRUCTURE. *Canadian Mineralogist*, **2012**, 50, 523-529 0.7 15
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