

# Frederic Hatert

## List of Publications by Year in descending order

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34  
papers

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#	ARTICLE	IF	CITATIONS
1	A comment on "An evolutionary system of mineralogy: Proposal for a classification of planetary materials based on natural kind clustering" American Mineralogist, 2021, 106, 150-153.	1.9	8
2	Ontology, archetypes and the definition of "mineral species"™. Mineralogical Magazine, 2021, 85, 125-131.	1.4	13
3	Crystal chemistry and nomenclature of fillowite-type phosphates. Canadian Mineralogist, 2021, 59, 781-796.	1.0	1
4	New minerals and nomenclature modifications approved in 2019. Mineralogical Magazine, 2019, 83, 615-620.	1.4	26
5	On the application of the IMA~CNMNC dominant-valency rule to complex mineral compositions. Mineralogical Magazine, 2019, 83, 627-632.	1.4	58
6	Facile solvothermal synthesis of Na <sub>1.5</sub> ~0.5Mn <sub>1.5</sub> Fe <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> : Electrochemical study as a dual electrode material for lithium-ion batteries. Solid State Ionics, 2018, 326, 18-26.	2.7	1
7	Hydrothermal self-assembly of sodium manganese iron phosphate particles: Growth mechanism and electrochemical performance in lithium-ion battery. Solid State Ionics, 2017, 312, 88-96.	2.7	2
8	One-step hydrothermal synthesis and electrochemical performance of sodium-manganese-iron phosphate as cathode material for Li-ion batteries. Journal of Solid State Chemistry, 2017, 253, 389-397.	2.9	14
9	Crystal Chemistry of the Wyllieite Group of Phosphate Minerals. Canadian Mineralogist, 2016, 54, 1087-1101.	1.0	8
10	Triphylite~Sarcopside Miscibility Gap In the FeO~MnO~Li <sub>2</sub> O~P <sub>2</sub> O <sub>5</sub> ~H <sub>2</sub> O System: Experimental Investigation and Thermometric Application To Granitic Pegmatites. Canadian Mineralogist, 2016, 54, 827-845.	1.0	4
11	CRYSTAL CHEMISTRY OF SYNTHETIC (M <sup>2+</sup> ) <sub>2</sub> Be <sub>2</sub> P <sub>2</sub> O <sub>8</sub> (M <sup>2+</sup> ) <sub>2</sub> Tj ETQq1 1 1.78431		
12	THE STABILITY OF Fe-RICH ALLUAUDITES IN GRANITIC PEGMATITES: AN EXPERIMENTAL INVESTIGATION OF THE Na~Fe <sup>2+</sup> ~Fe <sup>3+</sup> (+PO <sub>4</sub> ) SYSTEM. Canadian Mineralogist, 2014, 52, 351-371.	1.0	2
13	PEGMATITIC PHOSPHATE: A TRIBUTE TO FRANÇOIS FONTAN, ANDRÉ-MATHIEU FRANSOLET, AND PAUL KELLER. Canadian Mineralogist, 2014, 52, 121-128.	1.0	0
14	The crystallographic and petrogenetic significance of pegmatite phosphates. American Mineralogist, 2014, 99, 1195-1196.	1.9	0
15	Topotactic formation of ferrisicklerite from natural triphylite under hydrothermal conditions. Mineralogy and Petrology, 2013, 107, 501-515.	1.1	7
16	Experimental investigation of the alluaudite~triphylite assemblage, and development of the Na-in-triphylite geothermometer: applications to natural pegmatite phosphates. Contributions To Mineralogy and Petrology, 2011, 161, 531-546.	3.1	23
17	Iron-Manganese Phosphates with the Olivine ~ and Alluaudite-Type Structures: Crystal Chemistry and Applications. , 2011, , 279-291.		3
18	An X-ray Rietveld and infrared spectral study of the Na <sub>2</sub> (Mn <sub>1-x</sub> M <sub>x</sub> <sup>2+</sup> )Fe <sub>2</sub> +Fe <sub>3+</sub> (PO <sub>4</sub> ) <sub>3</sub> (x = 0 to 1 and M <sup>2+</sup> ) Tj ETQq0 0 0 rgBT/Overlock	1.9	12

#	ARTICLE	IF	CITATIONS
19	$\text{Na}_4\text{Fe}^{2+}\text{Fe}^{3+}(\text{PO}_4)_3$ , a new synthetic NASICON-type phosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, i30-i30.	0.2	18
20	$\text{Na}_{10}(\text{Na},\text{Mn})_7\text{Mn}_4\text{3}(\text{PO}_4)_{36}$ : a new synthetic fillowite-type phosphate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, i52-i53.	0.4	4
21	The standardisation of mineral group hierarchies: application to recent nomenclature proposals. <i>European Journal of Mineralogy</i> , 2009, 21, 1073-1080.	1.3	272
22	Crystal chemistry of the divalent cation in alluaudite-type phosphates: A structural and infrared spectral study of the $\text{Na}_{1.5}(\text{Mn},\text{Fe})_{1.5}(\text{PO}_4)_3$ solid solutions ( $x=0$ to 1, $\text{M}_2+=\text{Cd}^{2+}, \text{Zn}^{2+}$ ). <i>Journal of Solid State Chemistry</i> , 2008, 181, 1258-1272.	2.9	38
23	Crystal structure of trisodium iron diphosphate, $\text{Na}_{2.88}\text{Fe}(\text{PO}_4)_2$ , a synthetic phosphate with hannayite-type heteropolyhedral chains. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2007, 222, .	0.3	5
24	Hydrothermal synthesis and crystal structure of $\text{Na}(\text{Na},\text{Mn})_7\text{Mn}_{22}(\text{PO}_4)_{180.5}\text{H}_2\text{O}$ , a new compound of fillowite structure type. <i>European Journal of Mineralogy</i> , 2006, 18, 765-774.	1.3	8
25	A structural, infrared, and Mossbauer spectral study of rosemaryite, $\text{NaMnFe}_3+\text{Al}(\text{PO}_4)_3$ . <i>European Journal of Mineralogy</i> , 2006, 18, 775-785.	1.3	12
26	$\text{Na}_{1.50}\text{Mn}_{2.48}\text{Al}_{0.85}(\text{PO}_4)_3$ , a new synthetic alluaudite-type compound. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, i1-i2.	0.4	17
27	The stability of primary alluaudites in granitic pegmatites: an experimental investigation of the $\text{Na}_2(\text{Mn}_{2-x}\text{Fe}_{1+2x})(\text{PO}_4)_3$ system. <i>Contributions To Mineralogy and Petrology</i> , 2006, 152, 399-419.	3.1	33
28	Structural features of $\text{AgCaCdMg}_2(\text{PO}_4)_3$ and $\text{AgCd}_2\text{Mg}_2(\text{PO}_4)_3$ , two new compounds with the alluaudite-type structure, and their catalytic activity in butan-2-ol conversion. <i>Materials Research Bulletin</i> , 2005, 40, 682-693.	5.2	35
29	Crystal chemistry of the hydrothermally synthesized $\text{Na}_2(\text{Mn}_{1-x}\text{Fe}_x)_2\text{Fe}_3+(\text{PO}_4)_3$ alluaudite-type solid solution. <i>American Mineralogist</i> , 2005, 90, 653-662.	1.9	43
30	Ferro-rosemaryite, $\text{NaFe}_2+\text{Fe}_3+\text{Al}(\text{PO}_4)_3$ , a new phosphate mineral from the Rubindi pegmatite, Rwanda. <i>European Journal of Mineralogy</i> , 2005, 17, 749-759.	1.3	18
31	An X-ray Rietveld, infrared, and Mössbauer spectral study of the $\text{NaMn}(\text{Fe}_{1-x}\text{Li}_x)_2\text{Ln}_2(\text{PO}_4)_3$ alluaudite-type solid solution. <i>American Mineralogist</i> , 2003, 88, 211-222.	2.9	32
32	Mössbauer spectral evidence for next-nearest neighbor interactions within the alluaudite structure of $\text{Na}_{1-x}\text{Li}_x\text{MnFe}_2(\text{PO}_4)_3$ . <i>Solid State Sciences</i> , 2002, 4, 507-513.	3.2	19
33	The Crystal Chemistry of Lithium in the Alluaudite Structure: A Study of the $(\text{Na}_{1-x}\text{Li}_x)\text{CdLn}_2(\text{PO}_4)_3$ Solid Solution ( $x=0$ to 1). <i>Journal of Solid State Chemistry</i> , 2002, 163, 194-201.	2.9	29
34	First experimental evidence of alluaudite-like phosphates with high Li-content: the $(\text{Na}_{1-x}\text{Li}_x)\text{MnFe}_2(\text{PO}_4)_3$ series ( $x = 0$ to 1). <i>European Journal of Mineralogy</i> , 2000, 12, 847-857.	1.3	57