

# Frederic Hatert

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10638458/publications.pdf>

Version: 2024-02-01

34  
papers

833  
citations

567281

15  
h-index

477307

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

488  
citing authors

#	ARTICLE	IF	CITATIONS
1	The standardisation of mineral group hierarchies: application to recent nomenclature proposals. <i>European Journal of Mineralogy</i> , 2009, 21, 1073-1080.	1.3	272
2	On the application of the IMA~CNMNC dominant-valency rule to complex mineral compositions. <i>Mineralogical Magazine</i> , 2019, 83, 627-632.	1.4	58
3	First experimental evidence of alluaudite-like phosphates with high Li-content: the (Na <sub>1-x</sub> Li <sub>x</sub> )MnFe <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> series (x = 0 to 1). <i>European Journal of Mineralogy</i> , 2000, 12, 847-857.	1.3	57
4	Crystal chemistry of the hydrothermally synthesized Na <sub>2</sub> (Mn <sub>1-x</sub> Fe <sub>x</sub> <sup>2+</sup> ) <sub>2</sub> Fe <sub>3</sub> <sup>+</sup> (PO <sub>4</sub> ) <sub>3</sub> alluaudite-type solid solution. <i>American Mineralogist</i> , 2005, 90, 653-662.	1.9	43
5	Crystal chemistry of the divalent cation in alluaudite-type phosphates: A structural and infrared spectral study of the Na <sub>1.5</sub> (M <sub>2</sub> <sup>+</sup> ) <sub>1.5</sub> Fe <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> solid solutions (x=0 to 1, M <sub>2</sub> <sup>+</sup> =Cd <sup>2+</sup> , Zn <sup>2+</sup> ). <i>Journal of Solid State Chemistry</i> , 2008, 181, 1258-1272.	2.9	38
6	Structural features of AgCaCdMg <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> and AgCd <sub>2</sub> Mg <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> , 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
7	The stability of primary alluaudites in granitic pegmatites: an experimental investigation of the Na <sub>2</sub> (Mn <sub>2-2x</sub> Fe <sub>1+2x</sub> )(PO <sub>4</sub> ) <sub>3</sub> system. <i>Contributions To Mineralogy and Petrology</i> , 2006, 152, 399-419.	3.1	33
8	An X-ray Rietveld, infrared, and Mössbauer spectral study of the NaMn(Fe <sub>1-x</sub> Li <sub>x</sub> ) <sub>2</sub> Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>3</sub> alluaudite-type solid solution. <i>American Mineralogist</i> , 2003, 88, 211-222.	2.9	32
9	The Crystal Chemistry of Lithium in the Alluaudite Structure: A Study of the (Na <sub>1-x</sub> Li <sub>x</sub> )CdIn <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Solid Solution (x=0 to 1). <i>Journal of Solid State Chemistry</i> , 2002, 163, 194-201.	2.9	29
10	New minerals and nomenclature modifications approved in 2019. <i>Mineralogical Magazine</i> , 2019, 83, 615-620.	1.4	26
11	Experimental investigation of the alluaudite+triphylite assemblage, and development of the Na-in-triphylite geothermometer: applications to natural pegmatite phosphates. <i>Contributions To Mineralogy and Petrology</i> , 2011, 161, 531-546.	3.1	23
12	Mössbauer spectral evidence for next-nearest neighbor interactions within the alluaudite structure of Na <sub>1-x</sub> Li <sub>x</sub> MnFe <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>Solid State Sciences</i> , 2002, 4, 507-513.	3.2	19
13	Ferroosemaryite, NaFe <sub>2</sub> Fe <sub>3</sub> Al(PO <sub>4</sub> ) <sub>3</sub> , a new phosphate mineral from the Rubindi pegmatite, Rwanda. <i>European Journal of Mineralogy</i> , 2005, 17, 749-759.	1.3	18
14	Na <sub>4</sub> Fe <sup>2+</sup> Fe <sup>3+</sup> (PO <sub>4</sub> ) <sub>3</sub> , a new synthetic NASICON-type phosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, i30-i30.	0.2	18
15	Na <sub>1.50</sub> Mn <sub>2.48</sub> Al <sub>0.85</sub> (PO <sub>4</sub> ) <sub>3</sub> , a new synthetic alluaudite-type compound. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, i1-i2.	0.4	17
16	One-step hydrothermal synthesis and electrochemical performance of sodium-manganese-iron phosphate as cathode material for Li-ion batteries. <i>Journal of Solid State Chemistry</i> , 2017, 253, 389-397.	2.9	14
17	Ontology, archetypes and the definition of "mineral species". <i>Mineralogical Magazine</i> , 2021, 85, 125-131.	1.4	13
18	A structural, infrared, and Mossbauer spectral study of rosemaryite, NaMnFe <sub>3</sub> Al(PO <sub>4</sub> ) <sub>3</sub> . <i>European Journal of Mineralogy</i> , 2006, 18, 775-785.	1.3	12

#	ARTICLE	IF	CITATIONS
19	An X-ray Rietveld and infrared spectral study of the $\text{Na}_2(\text{Mn}_{1-x}\text{M}_x\text{Fe}_2+\text{Fe}_3+(\text{PO}_4)_3$ ( $x = 0$ to 1 and $\text{M}_2+$ ) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	12
20	CRYSTAL CHEMISTRY OF SYNTHETIC $\text{M}_{2+}\text{Be}_2\text{P}_2\text{O}_8$ ( $\text{M} = \text{Ca}, \text{Sr}, \text{Ba}$ ) Tj ETQq0 0 1 rgBT /Ov	1.0	0
21	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
22	Crystal Chemistry of the Wyllieite Group of Phosphate Minerals. <i>Canadian Mineralogist</i> , 2016, 54, 1087-1101.	1.0	8
23	A comment on "An evolutionary system of mineralogy: Proposal for a classification of planetary materials based on natural kind clustering" <i>American Mineralogist</i> , 2021, 106, 150-153.	1.9	8
24	Topotactic formation of ferrisicklerite from natural triphylite under hydrothermal conditions. <i>Mineralogy and Petrology</i> , 2013, 107, 501-515.	1.1	7
25	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
26	$\text{Na}_{10}(\text{Na},\text{Mn})_7\text{Mn}_{43}(\text{PO}_4)_{36}$ : a new synthetic fillowite-type phosphate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, i52-i53.	0.4	4
27	Triphylite "Sarcopside Miscibility Gap In the $\text{FeO}-\text{MnO}-\text{Li}_2\text{O}-\text{P}_2\text{O}_5-\text{H}_2\text{O}$ System: Experimental Investigation and Thermometric Application To Granitic Pegmatites. <i>Canadian Mineralogist</i> , 2016, 54, 827-845.	1.0	4
28	Iron-Manganese Phosphates with the Olivine " and Alluaudite-Type Structures: Crystal Chemistry and Applications. , 2011, , 279-291.		3
29	THE STABILITY OF Fe-RICH ALLUAUDITES IN GRANITIC PEGMATITES: AN EXPERIMENTAL INVESTIGATION OF THE $\text{Na}-\text{Fe}_{2+}-\text{Fe}_{3+}(\text{PO}_4)$ SYSTEM. <i>Canadian Mineralogist</i> , 2014, 52, 351-371.	1.0	2
30	Hydrothermal self-assembly of sodium manganese iron phosphate particles: Growth mechanism and electrochemical performance in lithium-ion battery. <i>Solid State Ionics</i> , 2017, 312, 88-96.	2.7	2
31	Facile solvothermal synthesis of $\text{Na}_{1.5}\text{Mn}_{1.5}\text{Fe}_{1.5}(\text{PO}_4)_3$ : Electrochemical study as a dual electrode material for lithium-ion batteries. <i>Solid State Ionics</i> , 2018, 326, 18-26.	2.7	1
32	Crystal chemistry and nomenclature of fillowite-type phosphates. <i>Canadian Mineralogist</i> , 2021, 59, 781-796.	1.0	1
33	PEGMATITIC PHOSPHATE: A TRIBUTE TO FRANÇOIS FONTAN, ANDRÉ-MATHIEU FRANSOLET, AND PAUL KELLER. <i>Canadian Mineralogist</i> , 2014, 52, 121-128.	1.0	0
34	The crystallographic and petrogenetic significance of pegmatite phosphates. <i>American Mineralogist</i> , 2014, 99, 1195-1196.	1.9	0