

# Marc Leblanc

## List of Publications by Year in descending order

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papers

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citations

687363

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#	ARTICLE	IF	CITATIONS
1	Crystal Chemistry and Selected Physical Properties of Inorganic Fluorides and Oxide-Fluorides. <i>Chemical Reviews</i> , 2015, 115, 1191-1254.	47.7	135
2	Hexagonal tungsten bronze-type FeIII fluoride: (H <sub>2</sub> O) <sub>0.33</sub> FeF <sub>3</sub> ; crystal structure, magnetic properties, dehydration to a new form of iron trifluoride. <i>Journal of Solid State Chemistry</i> , 1983, 47, 53-58.	2.9	83
3	Idle spin behavior of the shifted hexagonal tungsten bronze type compounds FeII/III <sub>2</sub> F <sub>8</sub> (H <sub>2</sub> O) <sub>2</sub> and MnFe <sub>2</sub> F <sub>8</sub> (H <sub>2</sub> O) <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , 1984, 53, 360-368.	2.9	48
4	Ordered magnetic frustration V. Antiferromagnetic structure of the hexagonal bronzoid HTB <sub>1-3</sub> FeF <sub>3</sub> ; Comparison with the non frustrated rhombohedral form. <i>Solid State Communications</i> , 1986, 58, 171-176.	1.9	46
5	From Isolated Polyanions to 1-D Structure: Synthesis and Crystal Structure of Hybrid Fluorides $\{[(C_2H_4NH_3)_3NH]_4\}^{2+} \cdot 2 \cdot \{[(H_3O)_+ \cdot \{Al_7F_{30}\}^-] \}$ and $\{[(C_2H_4NH_3)_3NH]_4\}^{2+} \cdot 2 \cdot \{[Al_7F_{29}]_8 \cdot \{H_2O\}_2\}$ . <i>Zeitschrift für Anorganische Und Allgemeine Chemie</i> , 2002, 628, 162-166.		
6	ZnAlF <sub>5</sub> ·[TAZ]: an Al fluorinated MOF of MIL-53(Al) topology with cationic {Zn(1,2,4 triazole)} <sup>2+</sup> linkers. <i>Journal of Materials Chemistry</i> , 2011, 21, 3949.	6.7	32
7	New series of hybrid fluoroferrates synthesized with triazoles: various dimensionalities and Mössbauer studies. <i>Dalton Transactions</i> , 2013, 42, 15748.	3.3	26
8	Ordered magnetic frustration. IV. The two magnetic structures of the inverse weberite Fe <sub>2</sub> F <sub>5</sub> (H <sub>2</sub> O) <sub>2</sub> : an example of the thermal evolution of the frustration character. <i>Journal of Physics C: Solid State Physics</i> , 1986, 19, 1081-1095.	1.5	25
9	Mössbauer investigation of hexagonal tungsten bronze type FeIII fluorides: (H <sub>2</sub> O) <sub>0.33</sub> FeF <sub>3</sub> and anhydrous FeF <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 1984, 43, 195-203.	2.3	23
10	New Amorphous Iron-Based Oxyfluorides as Cathode Materials for High-Capacity Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21386-21394.	3.1	18
11	Synthesis by Thermal Decomposition of Two Iron Hydroxyfluorides: Structural Effects of Li Insertion. <i>Chemistry of Materials</i> , 2019, 31, 4246-4257.	6.7	16
12	New iron tetrazolate frameworks: synthesis, temperature effect, thermal behaviour, Mössbauer and magnetic studies. <i>Dalton Transactions</i> , 2015, 44, 7951-7959.	3.3	15
13	[H <sub>4</sub> tren] <sub>3</sub> /2·(Al <sub>6</sub> F <sub>24</sub> )·3H <sub>2</sub> O, the most condensed fluoride in the Al(OH) <sub>3</sub> -tren-HFaq.-ethanol system. <i>Solid State Sciences</i> , 2007, 9, 531-534.	3.2	14
14	A New Organic-Inorganic Hybrid Oxyfluorotitanate [H <sub>2</sub> gua] <sub>2</sub> ·(Ti <sub>5</sub> O <sub>5</sub> F <sub>12</sub> ) as a Transparent UV Filter. <i>Inorganic Chemistry</i> , 2011, 50, 5671-5678.	4.0	13
15	Competing Spin Interactions and Frustration Effects in Fluorides. , 1985, , 395-414.		12
16	Crystal chemistry of three new monodimensional fluorometalates templated with ethylenediamine. <i>Solid State Sciences</i> , 2009, 11, 1582-1586.	3.2	11
17	Crystal structure refinement of the inverse weberite		

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19	F <sup>OH</sup> substitution in [H <sub>4</sub> tren] <sup>4+</sup> and [H <sub>3</sub> tren] <sup>3+</sup> hydroxyfluorotitanates(IV) and classification of tren cation configurations. Journal of Solid State Chemistry, 2014, 217, 72-79.	2.9	10
20	A magnetisation and Mössbauer study of triazole (M <sub>1-x</sub> <sup>2+</sup> M <sub>x</sub> <sup>3+</sup> )M <sub>3+</sub> F <sub>5</sub> (Htaz) <sub>x</sub> (taz) <sub>1-x</sub> weberites (M = Fe, Co, Mn, Zn, Ga, V). Dalton Transactions, 2017, 46, 5352-5362.	3.1	1
21	First Mixed-Metal Fluoride Pyrochlores Obtained by Topotactic Oxidation of Ammonium Fluorides under F <sub>2</sub> Gas. Crystal Growth and Design, 2021, 21, 935-945.	3.0	9
22	Effect of the synthesis temperature on the dimensionality of hybrid fluorozincates. Journal of Fluorine Chemistry, 2016, 188, 164-170.	1.7	8
23	Strong magnetic exchange and frustrated ferrimagnetic order in a weberite-type inorganic-organic hybrid fluoride. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180224.	3.4	6
24	Crystal structure and optical properties of new OD-hybrid hydroxyfluorotitanates. Solid State Sciences, 2013, 24, 101-106.	3.2	5
25	Stabilization of a mixed iron vanadium based hexagonal tungsten bronze hydroxyfluoride HTB“(Fe <sub>0.55</sub> V <sub>0.45</sub> )F <sub>2.67</sub> (OH) <sub>0.33</sub> as a positive electrode for lithium-ion batteries. Dalton Transactions, 2020, 49, 8186-8193.	3.3	5
26	NMR Crystallography, Hydrogen Bonding and Optical Properties of the Novel 2D Hybrid Oxyfluorotitanate [H <sub>2</sub> taz] <sub>2</sub> ·(Ti <sub>5</sub> O <sub>5</sub> F <sub>12</sub> ). Crystal Growth and Design, 2018, 18, 6873-6884.	3.0	3
27	Solvent effect on 3D topology of hybrid fluorides: Synthesis, structure and luminescent properties of Zn(II) coordination compounds. Journal of Fluorine Chemistry, 2018, 206, 48-53.	1.7	2
28	Topotactic desolvation and condensation reactions of 3D Zn <sub>3</sub> TiF <sub>7</sub> (H <sub>2</sub> O) <sub>2</sub> (taz) <sub>3</sub> ·S (S = 3H <sub>2</sub> O or C <sub>2</sub> H <sub>5</sub> OH). Dalton Transactions, 2020, 49, 17758-17771.	3.3	1