

# Frank J Berry

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7170108/publications.pdf>

Version: 2024-02-01

33  
papers

547  
citations

687363

13  
h-index

642732

23  
g-index

38  
all docs

38  
docs citations

38  
times ranked

591  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Voltage Stabilization of O3-Type Layered Oxide for Sodium-Ion Batteries by Simultaneous Tin Dual Modification. <i>Chemistry of Materials</i> , 2022, 34, 4153-4165.	6.7	47
2	$^{57}\text{Fe}$ Mössbauer spectra from fluorinated phases of $\text{Fe}_{0.50}\text{M}_{0.50}(\text{M}=\text{Co}, \text{Mg})\text{Sb}_2\text{O}_4$ . <i>Hyperfine Interactions</i> , 2019, 240, 1.	0.5	0
3	Magnetic interactions in $\text{Fe}_{1-x}\text{M}_x\text{Sb}_2\text{O}_4$ , M = Mg, Co, deduced from Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2018, 239, 1.	0.5	0
4	Synthesis and magnetic characterisation of $\text{Fe}_{1-x}\text{Mg}_x\text{Sb}_2\text{O}_4$ ( $x = 0.25, 0.50, 0.75$ ) and their oxygen-excess derivatives, $\text{Fe}_{1-x}\text{Mg}_x\text{Sb}_2\text{O}_{4+y}$ . <i>Journal of Materials Chemistry C</i> , 2017, 5, 4985-4995.	5.5	5
5	Thermochemical $\text{CO}_2$ splitting using double perovskite-type $\text{Ba}_{2-x}\text{Ca}_{0.66-x}\text{Nb}_{1.34-x}\text{Fe}_x\text{O}_6$ . <i>Journal of Materials Chemistry A</i> , 2017, 5, 6874-6883.	10.3	23
6	Oxygen Insertion Reactions within the One-Dimensional Channels of Phases Related to $\text{FeSb}_2\text{O}_4$ . <i>Inorganic Chemistry</i> , 2017, 56, 594-607.	4.0	14
7	Topotactic Fluorine Insertion into the Channels of $\text{FeSb}_2\text{O}_4$ -Related Materials. <i>Inorganic Chemistry</i> , 2017, 56, 10078-10089.	4.0	12
8	The structure, chemistry and magnetic properties of $\text{FePbBiO}_4$ . <i>Journal of Materials Chemistry C</i> , 2016, 4, 5320-5325.	5.5	8
9	Magnetic interactions in cubic-, hexagonal- and trigonal-barium iron oxide fluoride, $\text{BaFeO}_2\text{F}$ . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 346001.	1.8	6
10	Synthetic versiliaite and apuanite: investigation by $^{57}\text{Fe}$ Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	0
11	Mössbauer spectroscopy in the investigation of new mineral-related materials. <i>Hyperfine Interactions</i> , 2014, 226, 545.	0.5	1
12	Crystallographic and Magnetic Structure of the Perovskite-Type Compound $\text{BaFeO}_{2.5}$ : Unraveled Complexity in Oxygen Vacancy Ordering. <i>Inorganic Chemistry</i> , 2014, 53, 5911-5921.	4.0	44
13	A neutron diffraction study and mode analysis of compounds of the system $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ ( $x=1$ ). <i>Tj ETQq1</i> 1 0.784314 rgBT /C 206, 158-169.	2.9	36
14	Synthesis, structural and magnetic characterisation of the fluorinated compound $15\text{R-BaFeO}_2\text{F}$ . <i>Journal of Solid State Chemistry</i> , 2013, 203, 218-226.	2.9	23
15	Investigation into the effect of Si doping on the performance of $\text{SrFeO}_3$ SOFC electrode materials. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11834.	10.3	53
16	Synthesis, structural and magnetic characterisation of the fully fluorinated compound $6\text{H-BaFeO}_2\text{F}$ . <i>Journal of Solid State Chemistry</i> , 2013, 198, 262-269.	2.9	29
17	Low temperature fluorination of $\text{Sr}_3\text{Fe}_2\text{O}_7$ with polyvinylidene fluoride: An X-ray powder diffraction and Mössbauer spectroscopy study. <i>Journal of Solid State Chemistry</i> , 2012, 186, 195-203.	2.9	23
18	The synthesis, structure, magnetic and electrical properties of $\text{FeSb}_2\text{Pb}_x\text{O}_4$ . <i>Journal of Materials Chemistry</i> , 2011, 21, 14523.	6.7	22

#	ARTICLE	IF	CITATIONS
19	Structure and magnetic properties of the cubic oxide fluoride BaFeO <sub>2</sub> F. Journal of Solid State Chemistry, 2011, 184, 1361-1366.	2.9	44
20	Fluorination of perovskite-related phases of composition SrFe <sub>1-x</sub> Sn <sub>x</sub> O <sub>3</sub> . Journal of Physics Condensed Matter, 2009, 21, 256001.	1.8	13
21	Synthesis and structural determination of the new oxide fluoride BaFeO <sub>2</sub> F. Solid State Communications, 2007, 141, 467-470.	1.9	52
22	Fluorination of perovskite-related SrFeO <sub>3</sub> . Solid State Communications, 2005, 134, 621-624.	1.9	76
23	Mössbauer spectroscopic investigations of spin glass and other magnetic properties of mixed metal oxides. Hyperfine Interactions, 1991, 66, 25-37.	0.5	1
24	Tellurium-125 Mössbauer spectroscopy study of molybdenum metal tellurides of composition Mo <sub>6-x</sub> M <sub>x</sub> Te <sub>8</sub> (M=Ru, Rh). Hyperfine Interactions, 1991, 66, 367-371.	0.5	2
25	The supertransferred magnetic hyperfine field in chromium-iron tellurates. Hyperfine Interactions, 1991, 67, 513-516.	0.5	1
26	Supported platinum-tin catalysts: The identification by tin-119 Mössbauer spectroscopy of the unusual oxidation of tin during pretreatment under reducing conditions. Hyperfine Interactions, 1991, 67, 543-547.	0.5	3
27	The performance of iron-containing catalysts prepared at low temperature for carbon monoxide hydrogenation. Hyperfine Interactions, 1991, 67, 549-557.	0.5	1
28	Investigations of the lanthanum-europium-copper-oxygen system by X-ray powder diffraction, thermal analysis and europium-151 Mössbauer spectroscopy. Hyperfine Interactions, 1990, 55, 1213-1217.	0.5	1
29	In situ iron-57 Mössbauer spectroscopic investigations of the effect of titania surface area on the reducibility of titania-supported iron oxide. Hyperfine Interactions, 1990, 57, 1747-1751.	0.5	1
30	An iron-57 Mössbauer spectroscopy and EXAFS study of the hydrogen pretreatment of titania-supported iron-ruthenium catalysts. Hyperfine Interactions, 1990, 57, 1753-1758.	0.5	4
31	An in situ Mössbauer spectroscopic investigation of the hydrogen pretreatment of titania-supported iron-iridium catalysts. Hyperfine Interactions, 1990, 57, 1759-1763.	0.5	1
32	Mössbauer Spectroscopic Investigations of Oxidation Catalysts. Advances in Chemistry Series, 1981, , 589-607.	0.6	1
33	The application of Mössbauer spectroscopy to the study of organotellurium compounds. , 0, , 51-89.		0