Frank J Berry

List of Publications by Year
in descending order

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	Fluorination of perovskite-related SrFeO3â˜Î´. Solid State Communications, 2005, 134, 621-624.	1.9	76
2	Investigation into the effect of Si doping on the performance of SrFeO3â˜Î´ SOFC electrode materials. Journal of Materials Chemistry A, 2013, 1, 11834.	10.3	53
3	Synthesis and structural determination of the new oxide fluoride BaFeO2F. Solid State Communications, 2007, 141, 467-470.	1.9	52
4	High-Voltage Stabilization of O3-Type Layered Oxide for Sodium-Ion Batteries by Simultaneous Tin Dual Modification. Chemistry of Materials, 2022, 34, 4153-4165.	6.7	47
5	Structure and magnetic properties of the cubic oxide fluoride BaFeO2F. Journal of Solid State Chemistry, 2011, 184, 1361-1366.	2.9	44
6	Crystallographic and Magnetic Structure of the Perovskite-Type Compound BaFeO_{2.5}: Unrivaled Complexity in Oxygen Vacancy Ordering. Inorganic Chemistry, 2014, 53, 5911-5921.	4.0	44
7	A neutron diffraction study and mode analysis of compounds of the system La1â˜'xSrxFeO3â˜'xFx (x=1,) Tj ETQq1 1 0.784314 rgBT /Ove 206, 158-169.	2.9	36
8	Synthesis, structural and magnetic characterisation of the fully fluorinated compound 6Hâ€“BaFeO2F. Journal of Solid State Chemistry, 2013, 198, 262-269.	2.9	29
9	Low temperature fluorination of Sr3Fe2O7â˜'x with polyvinylidine fluoride: An X-ray powder diffraction and MÃ¶ssbauer spectroscopy study. Journal of Solid State Chemistry, 2012, 186, 195-203.	2.9	23
10	Synthesis, structural and magnetic characterisation of the fluorinated compound 15R-BaFeO2F. Journal of Solid State Chemistry, 2013, 203, 218-226.	2.9	23
11	Thermochemical CO₂ splitting using double perovskite-type Ba₂Ca_{0.66}Nb_{1.34â˜'x}Fe_xO_{6â˜Î´}. Journal of Materials Chemistry A, 2017, 5, 6874-6883.	10.3	23
12	The synthesis, structure, magnetic and electrical properties of FeSb2â˜'xPbxO4. Journal of Materials Chemistry, 2011, 21, 14523.	6.7	22
13	Oxygen Insertion Reactions within the One-Dimensional Channels of Phases Related to FeSb₂O₄. Inorganic Chemistry, 2017, 56, 594-607.	4.0	14
14	Fluorination of perovskite-related phases of composition SrFe1â˜'xSnxO3â˜Î´. Journal of Physics Condensed Matter, 2009, 21, 256001.	1.8	13
15	Topotactic Fluorine Insertion into the Channels of FeSb₂O₄-Related Materials. Inorganic Chemistry, 2017, 56, 10078-10089.	4.0	12
16	The structure, chemistry and magnetic properties of FePbBiO₄. Journal of Materials Chemistry C, 2016, 4, 5320-5325.	5.5	8
17	Magnetic interactions in cubic-, hexagonal- and trigonal-barium iron oxide fluoride, BaFeO₂F. Journal of Physics Condensed Matter, 2016, 28, 346001.	1.8	6
18	Synthesis and magnetic characterisation of Fe_{1â˜'x}Mg_xSb₂O₄ (x = 0.25, 0.50, 0.75) and their oxygen-excess derivatives, Fe_{1â˜'x}Mg_xSb₂O_{4+y}. Journal of Materials Chemistry C, 2017, 5, 4985-4995.	5.5	5

#	Article	IF	Citations
19	An iron-57 MÃ¶ssbauer spectroscopy and EXAFS study of the hydrogen pretreatment of titania-supported iron-ruthenium catalysts. Hyperfine Interactions, 1990, 57, 1753-1758.	0.5	4
20	Supported platinum-tin catalysts: The identification by tin-119 MÃ¶ssbauer spectroscopy of the unusual oxidation of tin during pretreatment under reducing conditions. Hyperfine Interactions, 1991, 67, 543-547.	0.5	3
21	Tellurium-125 MÃ¶ssbauer spectroscopy study of molybdenum metal tellurides of composition Mo6â^'x M x Te8 (M=Ru, Rh). Hyperfine Interactions, 1991, 66, 367-371.	0.5	2
22	MÃ¶ssbauer Spectroscopic Investigations of Oxidation Catalysts. Advances in Chemistry Series, 1981, , 589-607.	0.6	1
23	Investigations of the lanthanum-europium-copper-oxygen system by X-ray powder diffraction, thermal analysis and europium-151 MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 1990, 55, 1213-1217.	0.5	1
24	In situ iron-57 MÃ¶ssbauer 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
25	An in situ MÃ¶ssbauer spectroscopic investigation of the hydrogen pretreatment of titania-supported iron-iridium catalysts. Hyperfine Interactions, 1990, 57, 1759-1763.	0.5	1
26	MÃ¶ssbauer spectroscopic investigations of spin glass and other magnetic properties of mixed metal oxides. Hyperfine Interactions, 1991, 66, 25-37.	0.5	1
27	The supertransferred magnetic hyperfine field in chromium-iron tellurates. Hyperfine Interactions, 1991, 67, 513-516.	0.5	1
28	The performance of iron-containing catalysts prepared at low temperature for carbon monoxide hydrogenation. Hyperfine Interactions, 1991, 67, 549-557.	0.5	1
29	MÃ¶ssbauer spectroscopy in the investigation of new mineralâ€“related materials. Hyperfine Interactions, 2014, 226, 545.	0.5	1
30	Synthetic versiliaite and apuanite: investigation by 57Fe MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 2016, 237, 1.	0.5	0
31	Magnetic interactions in Fe1â^'xMxSb2O4, M = Mg, Co, deduced from MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 2018, 239, 1.	0.5	0
32	57Fe MÃ¶ssbauer spectra from fluorinated phases of Fe0.50M0.50(Mâ€‰=â€‰Co,Mg)Sb2O4. Hyperfine Interactions, 2019, 240, 1.	0.5	0
33	The application of MÃ¶ssbauer spectroscopy to the study of organotellurium compounds. , 0, , 51-89.		0