

# Emmanuelle Suard

## List of Publications by Citations

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#	Paper	IF	Citations
220	Magnetic superelasticity and inverse magnetocaloric effect in Ni-Mn-In. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	415
219	Reversible Oxygen Participation to the Redox Processes Revealed for Li <sub>1.20</sub> Mn <sub>0.54</sub> Co <sub>0.13</sub> Ni <sub>0.13</sub> O <sub>2</sub> . <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, A786-A792	3.9	266
218	Crystal structure of the new FeSe(1-x) superconductor. <i>Chemical Communications</i> , <b>2008</b> , 5607-9	5.8	256
217	Order/Disorder Phenomena in New LaBaMn <sub>2</sub> O <sub>6-x</sub> CMR Perovskites. Crystal and Magnetic Structure. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 1974-1983	9.6	187
216	Negative linear compressibility and massive anisotropic thermal expansion in methanol monohydrate. <i>Science</i> , <b>2011</b> , 331, 742-6	33.3	178
215	Structural and transport characteristics of the LAMOX family of fast oxide-ion conductors, based on lanthanum molybdenum oxide La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> . <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 119-124		173
214	Local and long range polar order in the relaxor-ferroelectric compounds PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> and PbMg <sub>0.3</sub> Nb <sub>0.6</sub> Ti <sub>0.1</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>2001</b> , 65,	3.3	172
213	Phase diagram of pb(Zr,Ti)O <sub>3</sub> solid solutions from first principles. <i>Physical Review Letters</i> , <b>2006</b> , 97, 157604		164
212	On the structure of Li <sub>3</sub> Ti <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 2971-2978		157
211	Comprehensive Investigation of the Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> /NaV <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> System by Operando High Resolution Synchrotron X-ray Diffraction. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 3009-3020	9.6	153
210	Li <sub>1.20</sub> Mn <sub>0.54</sub> Co <sub>0.13</sub> Ni <sub>0.13</sub> O <sub>2</sub> with Different Particle Sizes as Attractive Positive Electrode Materials for Lithium-Ion Batteries: Insights into Their Structure. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 13497-13506	3.8	139
209	Neutron study of mesoscopic magnetic clusters: Mn <sub>12</sub> O <sub>12</sub> . <i>Physical Review B</i> , <b>1997</b> , 56, 8819-8827	3.3	138
208	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Revisited: A High-Resolution Diffraction Study. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 4238-4247		137
207	Charge ordering in the layered Co-based perovskite HoBaCo <sub>2</sub> O <sub>5</sub> . <i>Physical Review B</i> , <b>2000</b> , 61, R11871-R11874	13.74	135
206	Synthesis and Crystallographic Study of Homeotypic LiVPO <sub>4</sub> F and LiVPO <sub>4</sub> O. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1223-1234	9.6	126
205	Structural investigation of AgNbO <sub>3</sub> phases using x-ray and neutron diffraction. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 2795-2810	1.8	121
204	Ordered Spin Ice State and Magnetic Fluctuations in Tb <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> . <i>Physical Review Letters</i> , <b>2005</b> , 94,	7.4	120

203	Intermediate spin state of Co <sup>3+</sup> and Co <sup>4+</sup> ions in La <sub>0.5</sub> Ba <sub>0.5</sub> CoO <sub>3</sub> evidenced by Jahn-Teller distortions. <i>Physical Review B</i> , <b>2001</b> , 65,	3.3	120
202	Spin-state ordered clusters in the perovskite NdBaCo <sub>2</sub> O <sub>5.47</sub> . <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	112
201	Interplay of structural, magnetic and transport properties in the layered Co-based perovskite LnBaCo <sub>2</sub> O <sub>5</sub> (Ln = Tb, Dy, Ho). <i>European Physical Journal B</i> , <b>2001</b> , 21, 163-174	1.2	109
200	Instability of Lithium Garnets against Moisture. Structural Characterization and Dynamics of Li <sub>7-x</sub> HxLa <sub>3</sub> Sn <sub>2</sub> O <sub>12</sub> and Li <sub>5-x</sub> HxLa <sub>3</sub> Nb <sub>2</sub> O <sub>12</sub> . <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3335-3345	9.6	93
199	Effects of Partial Substitution of Mo <sup>6+</sup> by Cr <sup>6+</sup> and W <sup>6+</sup> on the Crystal Structure of the Fast Oxide-Ion Conductor Structural Effects of W <sup>6+</sup> . <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4678-4684	9.6	90
198	Structural variations and cation distributions in Mn <sub>3-x</sub> Co <sub>x</sub> O <sub>4</sub> (0 ≤ x ≤ 1) dense ceramics using neutron diffraction data. <i>Solid State Sciences</i> , <b>2010</b> , 12, 379-386	3.4	85
197	Spin reorientation and structural changes in NdFeO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 4605-4614	1.8	84
196	The manganite Nd <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> : A rare distortion of the perovskite. <i>Solid State Communications</i> , <b>1996</b> , 99, 173-177	1.6	82
195	Multiple phases in the $\text{LiVPO}_4\text{O} \parallel \text{VPO}_4\text{O} \parallel \text{i}2\text{VPO}_4\text{O}$ system: a combined solid state electrochemistry and diffraction structural study. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10182-10192 <sup>13</sup>		73
194	Ferroelectricity Induced by Cations of Nonequivalent Spins Disordered in the Weakly Ferromagnetic Perovskites, YCr <sub>1-x</sub> M <sub>x</sub> O <sub>3</sub> (M = Fe or Mn). <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3591-3595	9.6	72
193	Glass-like thermal conductivity in SrTiO <sub>3</sub> thermoelectrics induced by A-site vacancies. <i>RSC Advances</i> , <b>2014</b> , 4, 33720-33723	3.7	71
192	On the metastable O <sub>2</sub> -type LiCoO <sub>2</sub> . <i>Solid State Ionics</i> , <b>2001</b> , 144, 263-276	3.3	71
191	Topotactic reduction of YBaCo <sub>2</sub> O <sub>5</sub> and LaBaCo <sub>2</sub> O <sub>5</sub> : square-planar Co(I) in an extended oxide. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2802-10	16.4	70
190	Spin reorientation and magnetization reversal in the perovskite oxides, YFe <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> (0 ≤ x ≤ 0.45): A neutron diffraction study. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 197, 408-413	3.3	69
189	High/low-moment phase transition in hexagonal Mn-Fe-P-Si compounds. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	65
188	A New Ordered Oxygen-Deficient Manganite Perovskite: LaBaMn <sub>2</sub> O <sub>5.5</sub> . Crystal and Magnetic Structure. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 930-938	9.6	65
187	High H <sup>+</sup> ionic conductivity in barium hydride. <i>Nature Materials</i> , <b>2015</b> , 14, 95-100	27	64
186	Spin-valve-like magnetoresistance in Mn <sub>2</sub> NiGa at room temperature. <i>Physical Review Letters</i> , <b>2012</b> , 109, 246601	7.4	64

185	YBaMn2O5: crystal and magnetic structure reinvestigation. <i>Materials Research Bulletin</i> , <b>1999</b> , 34, 1-9	5.1	64
184	How to induce red persistent luminescence in biocompatible Ca3(PO4)2. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1252-1259	7.1	62
183	Structural and Electrochemical Characterization of the LiNi1-yTiyO2 Electrode Materials Obtained by Direct Solid-State Reactions. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 2149-2157	9.6	61
182	The structure ofavorite LiFePO4(OH) from diffraction and GGA + U studies and its preliminary electrochemical characterization. <i>Dalton Transactions</i> , <b>2010</b> , 39, 5108-16	4.3	59
181	Effect of Y-Ca substitution upon superconductivity in the oxide YBa2Cu3-xCoxO7- $\delta$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1992</b> , 200, 43-49	1.3	59
180	Direct visualisation of carbon dioxide adsorption in gate-opening zeolitic imidazolate framework ZIF-7. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 620-623	13	57
179	High Rate Performance for Carbon-Coated Na3V2(PO4)2F3 in Na-Ion Batteries. <i>Small Methods</i> , <b>2019</b> , 3, 1800215	12.8	57
178	Crystal structure of ammonia monohydrate phase II. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 13508-15	16.4	55
177	Li-Rich Li1+xMn2-xO4 Spinel Electrode Materials: An Operando Neutron Diffraction Study during Li+ Extraction/Insertion. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 25947-25955	3.8	54
176	Magnetic structure and charge ordering in Fe3BO5: A single-crystal x-ray and neutron powder diffraction study. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	54
175	C-containing LiFePO4 materials IPart I: Mechano-chemical synthesis and structural characterization. <i>Solid State Ionics</i> , <b>2008</b> , 179, 2020-2026	3.3	52
174	Neutron diffraction study of the relaxor-ferroelectric phase transition in disordered Pb(Sc1/2Nb1/2)O3. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 7523-7539	1.8	52
173	A New Null Matrix Electrochemical Cell for Rietveld Refinements of In-Situ or Operando Neutron Powder Diffraction Data. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, A2176-A2183	3.9	49
172	Structural tuning of charge, orbital, and spin ordering in double-cell perovskite series between NdBaFe(2)O(5) and HoBaFe(2)O(5). <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 8889-99	16.4	47
171	Phase coexistence in the charge ordering transition in CaMn7O12. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, 5747-5753	1.8	46
170	Structural correlations in disordered matter: An experimental separation of orientational and positional contributions. <i>Physical Review B</i> , <b>1997</b> , 56, 11536-11545	3.3	45
169	Charge ordering and anisotropic thermal expansion of the manganese perovskite CaMn7O12. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 344, 358-367	2.8	45
168	Structural Characterization of Li1-xNi1+zO2 by Neutron Diffraction. <i>Journal of Solid State Chemistry</i> , <b>2001</b> , 158, 187-197	3.3	45

167	Structure and vibrational dynamics of the strongly hydrogen-bonded model peptide: N-methyl acetamide. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 2614-2620	3.9	44
166	Structural and electrical properties of calcium and strontium hydrides. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 2766		43
165	Interplay of magnetic and hydrogen orders in the laves hydride YMn <sub>2</sub> H <sub>4.3</sub> . <i>Physical Review B</i> , <b>1997</b> , 56, 2580-2584	3.3	43
164	Neutron scattering evidence for magnetic-field-driven abrupt magnetic and structural transitions in a phase-separated manganite. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	43
163	Jahn-Teller distortion and magnetoresistance in electron doped Sr <sub>1-x</sub> Ce <sub>x</sub> MnO <sub>3</sub> (x = 0.1, 0.2, 0.3 and 0.4). <i>European Physical Journal B</i> , <b>2000</b> , 14, 431-438	1.2	42
162	Magnetic and hydrogen ordering in the frustrated Laves hydrides RMn <sub>2</sub> H <sub>4.5</sub> (R=Y, Gd, Tb, Dy, Ho): A neutron-diffraction study. <i>Physical Review B</i> , <b>1999</b> , 59, 9324-9331	3.3	42
161	Neutron diffraction evidence for an antiferromagnetic ordering in the CMR manganites Pr <sub>0.7</sub> Ca <sub>0.3</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 153, L260-L264	2.8	42
160	Ab-Initio Determination of La <sub>2</sub> Mo <sub>4</sub> O <sub>15</sub> Crystal Structure from X-rays and Neutron Powder Diffraction. <i>Journal of Solid State Chemistry</i> , <b>2001</b> , 159, 228-233	3.3	40
159	Neutron diffraction structure determination of the $\sqrt{2} \times \sqrt{2}$ series TlBa <sub>2</sub> Ca <sub>1-x</sub> NdxCu <sub>2</sub> O <sub>7</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 178, 29-36	1.3	40
158	Synthesis, Crystal Structure, and Stability of Cubic LiLaZrBiO. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 12211-12219	5.1	35
157	Ab Initio Determination of the Novel Perovskite-Related Structure of La <sub>7</sub> Mo <sub>7</sub> O <sub>30</sub> from Powder Diffraction. <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 142, 228-235	3.3	35
156	Spinel materials for Li-ion batteries: new insights obtained by operando neutron and synchrotron X-ray diffraction. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2015</b> , 71, 688-701	1.8	34
155	Low-temperature magnetic ordering in SrEr <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	34
154	High-resolution synchrotron x-ray powder diffraction study of the incommensurate modulation in the martensite phase of Ni <sub>2</sub> MnGa: Evidence for nearly 7M modulation and phason broadening. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	33
153	Magnetic and crystal structures of BiCrO <sub>3</sub> . <i>Solid State Sciences</i> , <b>2010</b> , 12, 660-664	3.4	32
152	Synthesis and structure resolution of RbLaF <sub>4</sub> . <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 2272-82	5.1	31
151	Structural Key of the Thermal Expansion and the Oxide Ionic Conduction in Derivatives of La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> : a Temperature-Controlled Neutron Diffraction Study of La <sub>1.7</sub> Bi <sub>0.3</sub> Mo <sub>2</sub> O <sub>9</sub> . <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1288-1298	9.6	31
150	A new perovskite polytype in the high-pressure sequence of BaIrO <sub>3</sub> . <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7461-9	16.4	31

- 149 A New Superionic Plastic Polymorph of the Na<sup>+</sup> Conductor Na<sub>3</sub>PS<sub>4</sub> **2019**, 1, 641-646 30
- 148 Modulation of atomic positions in CaC<sub>x</sub>Mn(7-x)O<sub>12</sub> (*x* Acta Crystallographica Section B: Structural Science, **2009**, 65, 535-42 30
- 147 Crystal and magnetic structural study of the La<sub>1-x</sub>Ca<sub>x</sub>MnO<sub>3</sub> compound (*x*=3/4). *Physical Review B*, **2005**, 72, 3-3 29
- 146 Under Pressure: Mechanochemical Effects on Structure and Ion Conduction in the Sodium-Ion Solid Electrolyte NaPS. *Journal of the American Chemical Society*, **2020**, 142, 18422-18436 16.4 29
- 145 Magnetic structure of ground and field-induced ordered states of low-dimensional  $\text{RCoVO}_6$ : Experiment and theory. *Physical Review B*, **2012**, 86, 3-3 28
- 144 Anomalous magnetic ordering of Ce and Kondo-like effect in the double-exchange ferromagnet (Pr<sub>0.1</sub>Ce<sub>0.4</sub>Sr<sub>0.5</sub>)MnO<sub>3</sub>. *Physical Review B*, **1999**, 60, 533-537 3-3 27
- 143 Crystal Structure of Pb<sub>2</sub>V<sub>3</sub>O<sub>9</sub>: Rietveld Refinement and Electron Lone-Pair Localization. The Magnetic Susceptibility of Sr<sup>2+</sup>-Substituted Phases. *Chemistry of Materials*, **1999**, 11, 2408-2416 9.6 27
- 142 Synthesis and structure determination of CaSi(1/3)B(2/3)O(8/3): a new calcium borosilicate. *Inorganic Chemistry*, **2013**, 52, 4250-8 5-1 26
- 141 Mechanism of a reversible CO<sub>2</sub> capture monitored by the layered perovskite Li<sub>2</sub>SrTa<sub>2</sub>O<sub>7</sub>. *Dalton Transactions*, **2010**, 39, 4191-7 4-3 26
- 140 Complex room-temperature ferrimagnetism induced by zigzag stripes of oxygen vacancies in Sr<sub>3</sub>YCo<sub>4</sub>O<sub>10</sub>+ $\delta$ . *Physical Review B*, **2011**, 83, 3-3 26
- 139 Anomalous vibrational dynamics in the Mg<sub>2</sub>Zn<sub>11</sub> phase. *Physical Review B*, **2011**, 83, 3-3 25
- 138 Synthesis and structural study of a new NASICON-type solid solution: Li<sub>1-x</sub>La<sub>x</sub>/3Zr<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub>. *Journal of Solid State Chemistry*, **2007**, 180, 1011-1019 3-3 25
- 137 Magnetic structure of the spin-1/2 layer compound NaNiO<sub>2</sub>. *European Physical Journal B*, **2005**, 43, 159-162 25
- 136 The important role of pyramidal copper layers of the 123-structure in superconductivity. *Physica C: Superconductivity and Its Applications*, **1991**, 182, 219-227 1-3 25
- 135 Magnetization Steps Promoted by Structural Modulation in BaCoX<sub>2</sub>O<sub>7</sub> (X = As, P). *Journal of Physical Chemistry C*, **2013**, 117, 18190-18198 3.8 23
- 134 Phase transition in the Ruddlesden-Popper layered perovskite Li<sub>2</sub>SrTa<sub>2</sub>O<sub>7</sub>. *Journal of Solid State Chemistry*, **2009**, 182, 317-326 3-3 23
- 133 Rhombohedral distortion in the new disordered LaBaCo<sub>2</sub>O<sub>6</sub> perovskite. *Physica B: Condensed Matter*, **2000**, 276-278, 254-255 2.8 23
- 132 Cationic distribution in the Li<sub>1-x</sub>(Ni<sub>1-y</sub>Fey)<sub>1+z</sub>O<sub>2</sub> electrode materials. *Journal of Materials Chemistry*, **2000**, 10, 2553-2560 23

131	Effect of Oxygen Non Stoichiometry and Oxidation State of Transition Elements on High-Temperature Phase Transition in A-Site Deficient La <sub>0.95</sub> Ni <sub>0.6</sub> Fe <sub>0.4</sub> O <sub>3</sub> Perovskite. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 5307-5318	9.6	22
130	Crystal structure of stoichiometric YBa <sub>2</sub> Fe <sub>3</sub> O <sub>8</sub> . <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 8170-2	5.1	22
129	Room Temperature Crystal Structure of La <sub>1/3</sub> Zr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> , a NASICON-type Compound. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 6605-6610	9.6	22
128	First transparent oxide ion conducting ceramics synthesized by full crystallization from glass. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 5276-5289	13	22
127	SrMn <sub>3</sub> O <sub>6</sub> : an incommensurate modulated tunnel structure. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3383-3391	3.3	21
126	The Super-D2B project at the ILL. <i>Neutron News</i> , <b>2001</b> , 12, 30-33	0.4	21
125	Insights into the Lithium Sub-structure of Superionic Conductors Li <sub>3</sub> YCl <sub>6</sub> and Li <sub>3</sub> YBr <sub>6</sub> . <i>Chemistry of Materials</i> , <b>2021</b> , 33, 327-337	9.6	21
124	Crystal structures of ethylene glycol and ethylene glycol monohydrate. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 234501	3.9	20
123	The complex distribution of iron in the (Y, Ca)Ba <sub>2</sub> (Cu, Fe) <sub>3</sub> O <sub>6+y</sub> cuprate. <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 205, 63-77	1.3	20
122	Inverse magnetocaloric effect in Mn <sub>2</sub> NiGa and Mn <sub>1.75</sub> Ni <sub>1.25</sub> Ga magnetic shape memory alloys. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 051905	3.4	19
121	YBaMnCoO <sub>5</sub> ; neither valence mixed nor charge ordered. <i>Solid State Sciences</i> , <b>2004</b> , 6, 1195-1204	3.4	19
120	Neutron Rietveld refinement of the incommensurate phase of the ordered perovskite Pb <sub>2</sub> CoWO <sub>6</sub> . <i>Acta Crystallographica Section B: Structural Science</i> , <b>2000</b> , 56, 570-6		19
119	Structural and electrochemical studies of a new Tavorite composition: LiVPO <sub>4</sub> OH. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11030-11045	13	18
118	Modulated structure in the martensite phase of Ni <sub>1.8</sub> Pt <sub>0.2</sub> MnGa: A neutron diffraction study. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 171904	3.4	18
117	A neutron diffraction study of the oxygen diffusion in molybdenum doped Ba <sub>2</sub> In <sub>2</sub> O <sub>5</sub> . <i>Solid State Ionics</i> , <b>2008</b> , 179, 1986-1995	3.3	18
116	Complex thermal expansion properties of Al-containing HZSM-5 zeolite: A X-ray diffraction, neutron diffraction and thermogravimetry study. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 111, 1105-1116	5.3	18
115	Pressure-induced ferromagnet to spin-glass transition in Gd <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	18
114	Li <sup>+</sup> ionic conduction in the layered perovskite Li <sub>2</sub> La <sub>2/3</sub> Ta <sub>2</sub> O <sub>7</sub> . <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 3558		18

113	Crystal structure and low-temperature methyl-group dynamics of cobalt and nickel acetates. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 9062-9074	3.9	18
112	Structure and complex magnetic behavior of disordered perovskite (Bi <sub>0.5</sub> Sr <sub>0.5</sub> )(Fe <sub>0.5</sub> Mn <sub>0.5</sub> )O <sub>3</sub> . <i>RSC Advances</i> , <b>2012</b> , 2, 292-297	3.7	17
111	Magnetic structure and susceptibility of CoSe <sub>2</sub> O <sub>5</sub> : An antiferromagnetic chain compound. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	17
110	Response of the Crystal Structure and Electronic Properties to Calcium Substitution in NdFeAsO. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2967-2972	9.6	17
109	Neutron powder diffraction, multinuclear, and multidimensional NMR structural investigation of Pb <sub>5</sub> Ga <sub>3</sub> F <sub>19</sub> . <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 10895-905	5.1	17
108	Role of the A-site cations on the magnetic structures and transport properties in the Nd <sub>0.7</sub> Ba <sub>0.3</sub> Sr <sub>y</sub> MnO <sub>3</sub> (0 ≤ y ≤ 0.2) perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 264, 221-233	2.8	17
107	Interplay of magnetic and hydrogen ordering in the hexagonal Laves hydrides. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	17
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105	Thermal expansion behavior of Ce <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> up to 898 K in conjunction with structural analyses by neutron diffraction. <i>Physics and Chemistry of Minerals</i> , <b>2010</b> , 37, 555-559	1.6	16
104	Effect of platinum substitution on the structural and magnetic properties of Ni <sub>2</sub> MnGa ferromagnetic shape memory alloy. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	15
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5	Cation Distributions and Magnetic Properties of Ferrispinel MgFeMnO. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 17970-17980	5.1	o
4	Conversion of Li <sub>2</sub> FeSbO <sub>5</sub> to the Fe(III)/Fe(V) Phase LiFeSbO <sub>5</sub> via Topochemical Lithium Extraction. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 2468-2475	9.6	o
3	Correlation between magnetic and electronic properties of the perovskite HoBaCo <sub>2</sub> O <sub>5</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 3361-3369	1.8	
2	Polymorphs of RbScF: X-ray and Neutron Diffraction, Solid-State NMR, and Density Functional Theory Calculations Study. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 6016-6026	5.1	
1	Thermal activation of NH <sub>4</sub> precursor of acidic omega zeolite: A neutron and in-situ synchrotron powder diffraction combined study. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 314, 110825	5.3	