

# Emmanuelle Suard

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

220  
papers

7,981  
citations

48  
h-index

80  
g-index

248  
ext. papers

8,722  
ext. citations

4.9  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
220	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	0
219	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	
218	High temperature spin-driven multiferroicity in ludwigite chromocuprate Cu <sub>2</sub> CrBO <sub>5</sub> . <i>Applied Physics Letters</i> , <b>2021</b> , 118, 192903	3.4	1
217	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	
216	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
215	Cationic Order-Disorder in Double Scheelite Type Oxides: the Case Study of Fergusonite LaSiMoO. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 2623-2633	5.1	1
214	On the Lithium Distribution in Halide Superionic Argyrodites by Halide Incorporation in Li <sub>7</sub> PS <sub>6</sub> Cl <sub>x</sub> . <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 7309-7315	6.1	5
213	Insights into the Rich Polymorphism of the Na Ion Conductor NaPS from the Perspective of Variable-Temperature Diffraction and Spectroscopy. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 5652-5667	9.6	6
212	Influence of Polymorphism on the Magnetic Properties of CoTeO Spinel. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 13990-14001	5.1	1
211	Cation Distributions and Magnetic Properties of Ferrispinel MgFeMnO. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 17970-17980	5.1	0
210	The effect of gallium substitution on the structure and electrochemical performance of LiNiO <sub>2</sub> in lithium-ion batteries. <i>Materials Advances</i> , <b>2020</b> , 1, 639-647	3.3	14
209	Enumeration as a Tool for Structure Solution: A Materials Genomic Approach to Solving the Cation-Ordered Structure of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2020</b> , 32, 8981-8992	9.6	7
208	From LiNiO <sub>2</sub> to Li <sub>2</sub> NiO <sub>3</sub> : Synthesis, Structures and Electrochemical Mechanisms in Li-Rich Nickel Oxides. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 9211-9227	9.6	11
207	Under Pressure: Mechanochemical Effects on Structure and Ion Conduction in the Sodium-Ion Solid Electrolyte NaPS. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18422-18436	16.4	29
206	Structural complexities and sodium-ion diffusion in the intercalates Na TiS: move it, change it, re-diffract it.. <i>RSC Advances</i> , <b>2019</b> , 9, 27780-27788	3.7	2
205	Ab Initio Structure Determination of La <sub>34</sub> Mo <sub>8</sub> O <sub>75</sub> Using Powder X-ray and Neutron Diffraction Data. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 6074-6081	3.5	3
204	A New Superionic Plastic Polymorph of the Na <sup>+</sup> Conductor Na <sub>3</sub> PS <sub>4</sub> <b>2019</b> , 1, 641-646		30

203	High Rate Performance for Carbon-Coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> in Na-Ion Batteries. <i>Small Methods</i> , <b>2019</b> , 3, 1800215	12.8	57
202	Ag <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> , a new compound obtained by Ag <sup>+</sup> /Na <sup>+</sup> ion exchange into the Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> framework. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10340-10347	13	7
201	LiVPO <sub>4</sub> F <sub>1-x</sub> O <sub>y</sub> avorite-Type Compositions: Influence of the Concentration of Vanadyl-Type Defects on the Structure and Electrochemical Performance. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 5682-5693	9.6	15
200	Adaptive modulation in the Ni <sub>2</sub> Mn <sub>1.4</sub> In <sub>0.6</sub> magnetic shape-memory Heusler alloy. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	12
199	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
198	Insight into the Crystalline Structure of ThF with the Combined Use of Neutron Diffraction, F Magic-Angle Spinning-NMR, and Density Functional Theory Calculations. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 15350-15360	5.1	8
197	Morin-like spin canting in the magnetic CaFe <sub>5</sub> O <sub>7</sub> ferrite: A combined neutron and Mössbauer study. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 247, 13-19	3.3	8
196	Location of deuterium sites at operating temperature from neutron diffraction of BaIn <sub>0.6</sub> Ti <sub>0.2</sub> Yb <sub>0.2</sub> O <sub>2.6-n</sub> (OH) <sub>2n</sub> , an electrolyte for proton-solid oxide fuel cells. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 15751-9	3.6	4
195	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
194	Synthesis, Crystal Structure, and Stability of Cubic LiLaZrBiO. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 12211-12219	5.1	35
193	Structural and electrochemical studies of a newavorite composition: LiVPO <sub>4</sub> OH. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11030-11045	13	18
192	Phase Transitions in the Ruddlesden-Popper Phase Li <sub>2</sub> CaTa <sub>2</sub> O <sub>7</sub> : X-ray and Neutron Powder Thermo-diffraction, TEM, Raman, and SHG Experiments. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2309-23	5.1	8
191	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
190	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
189	High H <sup>+</sup> ionic conductivity in barium hydride. <i>Nature Materials</i> , <b>2015</b> , 14, 95-100	27	64
188	Investigation of the La <sub>2</sub> O <sub>3</sub> -Nb <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> ternary phase diagram: Isolation and crystal structure determination of the original La <sub>3</sub> NbWO <sub>10</sub> material. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 229, 129-134	3.3	1
187	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
186	La <sub>10</sub> W <sub>2</sub> O <sub>21</sub> : an anion-deficient fluorite-related superstructure with oxide ion conduction. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 147-59	5.1	14

185	Breech Volume Expansion and Formation Enthalpy of Defects as Key Parameters Tuning the Oxide Ionic Conductivity in Derivatives of $\text{La}_2\text{Mo}_2\text{O}_9$ . <i>Chemistry of Materials</i> , <b>2014</b> , 26, 6838-6851	9.6	10
184	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
183	Thermal structural characterization of the acentric layered perovskite $\text{LiHSrTa}_2\text{O}_7$ : X-ray and neutron diffraction, SHG and Raman experiments. <i>Dalton Transactions</i> , <b>2014</b> , 43, 14841-50	4.3	1
182	Multiple phases in the $\text{LiVPO}_4\text{O} \parallel \text{VPO}_4\text{O} \parallel \text{VPO}_4\text{O}$ system: a combined solid state electrochemistry and diffraction structural study. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10182-10192	13	73
181	Interplay of disorder and antiferromagnetism in $\text{TlFe}_{1.6+x}\text{I}(\text{Se}_{1-x}\text{S}_x)_2$ probed by neutron scattering. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 275701	1.8	1
180	Li-Rich $\text{Li}_{1+x}\text{Mn}_2\text{O}_4$ Spinel Electrode Materials: An Operando Neutron Diffraction Study during $\text{Li}^+$ Extraction/Insertion. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 25947-25955	3.8	54
179	Magnetic Structure of Ground and Field Induced Ordered States of Low-Dimensional $\text{ECoV}_2\text{O}_6$ . <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 13981-13987	3.8	12
178	Glass-like thermal conductivity in $\text{SrTiO}_3$ thermoelectrics induced by A-site vacancies. <i>RSC Advances</i> , <b>2014</b> , 4, 33720-33723	3.7	71
177	High-resolution synchrotron x-ray powder diffraction study of the incommensurate modulation in the martensite phase of $\text{Ni}_2\text{MnGa}$ : Evidence for nearly 7M modulation and phason broadening. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	33
176	$\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{F}_3$ Revisited: A High-Resolution Diffraction Study. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 4238-4247	4.7	137
175	Crystal structures and photoluminescence across the $\text{La}_2\text{Si}_2\text{O}_7$ - $\text{Ho}_2\text{Si}_2\text{O}_7$ system. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 13469-79	5.1	12
174	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
173	Magnetic properties of a family of quinary oxalates. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2	6
172	Spin reorientation and magnetization reversal in the perovskite oxides, $\text{YFe}_{1-x}\text{Mn}_x\text{O}_3$ ( $0 \leq x \leq 0.45$ ): A neutron diffraction study. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 197, 408-413	3.3	69
171	Synthesis and structure determination of $\text{CaSi}_{1/3}\text{B}_{2/3}\text{O}_{8/3}$ : a new calcium borosilicate. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 4250-8	5.1	26
170	Reversible Oxygen Participation to the Redox Processes Revealed for $\text{Li}_{1.20}\text{Mn}_{0.54}\text{Co}_{0.13}\text{Ni}_{0.13}\text{O}_2$ . <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, A786-A792	3.9	266
169	How to induce red persistent luminescence in biocompatible $\text{Ca}_3(\text{PO}_4)_2$ . <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1252-1259	7.1	62
168	Magnetization Steps Promoted by Structural Modulation in $\text{BaCoX}_2\text{O}_7$ ( $X = \text{As}, \text{P}$ ). <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 18190-18198	3.8	23

167	Structural characterization of a new acentric protonated garnet: $\text{Li}_6\text{H}_x\text{CaLa}_2\text{Nb}_2\text{O}_{12}$ . <i>Journal of Materials Research</i> , <b>2013</b> , 28, 2147-2153	2.5	15
166	$\text{Bi}_{0.75}\text{Sr}_{0.25}\text{FeO}_3$ Revealing order/disorder phenomena by combining diffraction techniques. <i>Solid State Communications</i> , <b>2012</b> , 152, 331-336	1.6	5
165	High/low-moment phase transition in hexagonal Mn-Fe-P-Si compounds. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	65
164	Structure and nuclear density distribution in the cheralite $\text{CaTh}(\text{PO}_4)_2$ : studies of its behaviour under high pressure (36 GPa). <i>Physics and Chemistry of Minerals</i> , <b>2012</b> , 39, 685-692	1.6	11
163	Magnetic structure of ground and field-induced ordered states of low-dimensional $\text{RCoVO}_6$ : Experiment and theory. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	28
162	Spin-valve-like magnetoresistance in $\text{Mn}_2\text{NiGa}$ at room temperature. <i>Physical Review Letters</i> , <b>2012</b> , 109, 246601	7.4	64
161	Structure and complex magnetic behavior of disordered perovskite $(\text{Bi}_{0.5}\text{Sr}_{0.5})(\text{Fe}_{0.5}\text{Mn}_{0.5})\text{O}_3$ . <i>RSC Advances</i> , <b>2012</b> , 2, 292-297	3.7	17
160	Ferroelectricity Induced by Cations of Nonequivalent Spins Disordered in the Weakly Ferromagnetic Perovskites, $\text{YCr}_{1-x}\text{MxO}_3$ (M = Fe or Mn). <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3591-3595	9.6	72
159	Iron(III) phosphates obtained by thermal treatment of the Tavorite-type $\text{FePO}_4 \cdot \text{H}_2\text{O}$ material: structures and electrochemical properties in lithium batteries. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 3146-55	5.1	13
158	Synthesis and structure resolution of $\text{RbLaF}_4$ . <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 2272-82	5.1	31
157	Instability of Lithium Garnets against Moisture. Structural Characterization and Dynamics of $\text{Li}_{7-x}\text{HxLa}_3\text{Sn}_2\text{O}_{12}$ and $\text{Li}_{5-x}\text{HxLa}_3\text{Nb}_2\text{O}_{12}$ . <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3335-3345	9.6	93
156	$\text{Li}_{1.20}\text{Mn}_{0.54}\text{Co}_{0.13}\text{Ni}_{0.13}\text{O}_2$ 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
155	Synthesis and Crystallographic Study of Homeotypic $\text{LiVPO}_4\text{F}$ and $\text{LiVPO}_4\text{O}$ . <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1223-1234	9.6	126
154	Modulated structure in the martensite phase of $\text{Ni}_{1.8}\text{Pt}_{0.2}\text{MnGa}$ : A neutron diffraction study. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 171904	3.4	18
153	Crystal structures of ethylene glycol and ethylene glycol monohydrate. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 234501	3.9	20
152	Structural elucidation of $\text{R}(\text{Y},\text{Sc})_2\text{Si}_2\text{O}_7$ : combined use of $^89\text{Y}$ MAS NMR and powder diffraction. <i>Journal of Applied Crystallography</i> , <b>2011</b> , 44, 846-852	3.8	12
151	Negative linear compressibility and massive anisotropic thermal expansion in methanol monohydrate. <i>Science</i> , <b>2011</b> , 331, 742-6	33.3	178
150	Structural Key of the Thermal Expansion and the Oxide Ionic Conduction in Derivatives of $\text{La}_2\text{Mo}_2\text{O}_9$ : a Temperature-Controlled Neutron Diffraction Study of $\text{La}_{1.7}\text{Bi}_{0.3}\text{Mo}_2\text{O}_9$ . <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1288-1298	9.6	31

149	Complex room-temperature ferrimagnetism induced by zigzag stripes of oxygen vacancies in Sr <sub>3</sub> YCo <sub>4</sub> O <sub>10</sub> □ <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	26
148	Order and disorder in Ca <sub>2</sub> Nd <sub>0.90</sub> H <sub>0.10</sub> □ structural and thermal study. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2088-2096	3-3	4
147	Anomalous vibrational dynamics in the Mg <sub>2</sub> Zn <sub>11</sub> phase. <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	25
146	Domain-wall spin dynamics in kagome antiferromagnets. <i>Physical Review Letters</i> , <b>2011</b> , 107, 257205	7-4	15
145	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
144	Compositionally driven ferroelectric phase transition in xBiInO <sub>3</sub> (1-x)BaTiO <sub>3</sub> : a lead-free perovskite-based piezoelectric material. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 221902	3-4	9
143	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
142	Effect of the Pb(2+) lone electron pair in the structure and properties of the double perovskites Pb <sub>2</sub> Sc(Ti <sub>0.5</sub> Te <sub>0.5</sub> )O <sub>6</sub> and Pb <sub>2</sub> Sc(Sc <sub>0.33</sub> Te <sub>0.66</sub> )O <sub>6</sub> : relaxor state due to intrinsic partial disorder. <i>Dalton Transactions</i> , <b>2010</b> , 39, 5159-65	4-3	13
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> . <i>Dalton Transactions</i> , <b>2010</b> , 39, 4191-7	4-3	26
140	Structural characterization of a new acentric Ruddlesden-Popper layered perovskite compound: LiHSrTa <sub>2</sub> O <sub>7</sub> . <i>Dalton Transactions</i> , <b>2010</b> , 39, 3212-8	4-3	12
139	The structure of tavorite LiFePO <sub>4</sub> (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
138	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
137	Magnetic and crystal structures of BiCrO <sub>3</sub> . <i>Solid State Sciences</i> , <b>2010</b> , 12, 660-664	3-4	32
136	Structural variations and cation distributions in Mn <sub>3</sub> □ CoxO <sub>4</sub> (0 □ □) dense ceramics using neutron diffraction data. <i>Solid State Sciences</i> , <b>2010</b> , 12, 379-386	3-4	85
135	Defect structure and electrical conductivity in the Bi <sub>3+x</sub> Nb <sub>0.8</sub> W <sub>0.2</sub> O <sub>7.1+3x/2</sub> system. <i>Solid State Ionics</i> , <b>2010</b> , 181, 1750-1756	3-3	7
134	High-temperature treatment, hydrogen behaviour and cation partitioning of a FeTi bearing volcanic phlogopite by in situ neutron powder diffraction and FTIR spectroscopy. <i>European Journal of Mineralogy</i> , <b>2009</b> , 21, 385-396	2-2	10
133	Equation of state and phase transition of deuterated ammonia monohydrate (ND <sub>3</sub> .D <sub>2</sub> O) measured by high-resolution neutron powder diffraction up to 500 MPa. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 154503	3-9	11
132	Phase transition in the Ruddlesden-Popper layered perovskite Li <sub>2</sub> SrTa <sub>2</sub> O <sub>7</sub> . <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 317-326	3-3	23



131	Modulation of atomic positions in $\text{CaCu}_x\text{Mn}(7-x)\text{O}_{12}$ ( <i>x</i> Acta Crystallographica Section B: Structural Science, <b>2009</b> , 65, 535-42		30
130	Crystal structure and dielectric properties of ordered perovskites $\text{Ba}_2\text{BiSbO}_6$ and $\text{BaSrBiSbO}_6$ . <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 154-157	2.8	6
129	Structure determination of $\text{La}_{18}\text{W}_{10}\text{O}_{57}$ . <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 6566-72	5.1	9
128	Magnetic structure and charge ordering in $\text{Fe}_3\text{BO}_5$ : A single-crystal x-ray and neutron powder diffraction study. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	54
127	Crystal structure of ammonia monohydrate phase II. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 13508-15	16.4	55
126	A new perovskite polytype in the high-pressure sequence of $\text{BaIrO}_3$ . <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7461-9	16.4	31
125	Effect of Oxygen Non Stoichiometry and Oxidation State of Transition Elements on High-Temperature Phase Transition in A-Site Deficient $\text{La}_{0.95}\text{Ni}_{0.6}\text{Fe}_{0.4}\text{O}_3$ Perovskite. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 5307-5318	9.6	22
124	Response of the Crystal Structure and Electronic Properties to Calcium Substitution in $\text{NdFeAsO}$ . <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2967-2972	9.6	17
123	Synthesis and characterization of the ultramarine-type analog $\text{Na}(8-x)[\text{Si}_6\text{Al}_6\text{O}_{24}]_x(\text{S}_2, \text{S}_3, \text{CO}_3)(1-2)$ . <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 6526-33	5.1	10
122	Structural and electrical properties of calcium and strontium hydrides. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 2766		43
121	Double NASICON-type cell: ordered $\text{Nd}^{3+}$ distribution in $\text{Li}_{0.2}\text{Nd}_{0.8}/3\text{Zr}_2(\text{PO}_4)_3$ . <i>Dalton Transactions</i> , <b>2008</b> , 3061-9	4.3	7
120	Neutron powder diffraction, multinuclear, and multidimensional NMR structural investigation of $\text{Pb}_5\text{Ga}_3\text{F}_{19}$ . <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 10895-905	5.1	17
119	Charge ordering in $\text{CaCu}_x\text{Mn}_7\text{O}_{12}$ ( $x= 0.0$ and $0.1$ ) compounds. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 104239	1.8	8
118	Low-temperature magnetic ordering in $\text{SrEr}_2\text{O}_4$ . <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	34
117	C-containing $\text{LiFePO}_4$ materials Part I: Mechano-chemical synthesis and structural characterization. <i>Solid State Ionics</i> , <b>2008</b> , 179, 2020-2026	3.3	52
116	A neutron diffraction study of the oxygen diffusion in molybdenum doped $\text{Ba}_2\text{In}_2\text{O}_5$ . <i>Solid State Ionics</i> , <b>2008</b> , 179, 1986-1995	3.3	18
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9	The manganite $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ : A rare distortion of the perovskite. <i>Solid State Communications</i> , <b>1996</b> , 99, 173-177	1.6	82
8	High Pressure Synthesis of $\text{NdCuO}_{3-\delta}$ Perovskites ( $0 < \delta < 0.5$ ). <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 2077-2083	5.1	15
7	Iron doping in the deoxygenated $\text{YBa}_2(\text{Cu}_{1-x}\text{Fe}_x)_3\text{O}_y$ compounds. <i>Physical Review B</i> , <b>1994</b> , 50, 3230-3238	3.3	17
6	Antiferromagnetic phase diagram of $\text{YBa}_2(\text{Cu}_{1-x}\text{Fe}_x)_3\text{O}_y$ . <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 5689-5691	2.5	14

5	Influence of thermal treatment on $\text{Y}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_3\text{FeO}_7$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 210, 164-172	1.3	9
4	The complex distribution of iron in the $(\text{Y}, \text{Ca})\text{Ba}_2(\text{Cu}, \text{Fe})_3\text{O}_{6+y}$ cuprate. <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 205, 63-77	1.3	20
3	Effect of Y-Ca substitution upon superconductivity in the oxide $\text{YBa}_2\text{Cu}_{3-x}\text{Co}_x\text{O}_7$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1992</b> , 200, 43-49	1.3	59
2	The important role of pyramidal copper layers of the 123-structure in superconductivity. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 182, 219-227	1.3	25
1	Neutron diffraction structure determination of the $\text{R}_2\text{Ba}_2\text{Ca}_{1-x}\text{Nd}_x\text{Cu}_2\text{O}_7$ series. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 178, 29-36	1.3	40