

Pierre Bordet

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#	Paper	IF	Citations
229	P2-Na(x)VO ₂ system as electrodes for batteries and electron-correlated materials. <i>Nature Materials</i> , 2013 , 12, 74-80	27	347
228	Structure determination of the new high-temperature superconductor Y ₂ Ba ₄ Cu ₇ O _{14+x} . <i>Nature</i> , 1988 , 334, 596-598	50.4	266
227	Surface distortion as a unifying concept and descriptor in oxygen reduction reaction electrocatalysis. <i>Nature Materials</i> , 2018 , 17, 827-833	27	230
226	The synthesis and characterization of the HgBa ₂ Ca ₂ Cu ₃ O _{8+x} and HgBa ₂ Ca ₃ Cu ₄ O _{10+x} phases. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 215, 1-10	1.3	221
225	Disappearance of superconductivity in overdoped La _{2-x} Sr _x CuO ₄ at a structural phase boundary. <i>Physical Review Letters</i> , 1992 , 68, 3777-3780	7.4	202
224	Neutron and electron diffraction study of YBa ₂ Cu ₂ Cu _{1.77} Fe _{2.30} O _{7.13} . <i>Solid State Communications</i> , 1988 , 66, 435-439	1.6	168
223	Structural Aspects of the Crystallographic-Magnetic Transition in LaVO ₃ around 140 K. <i>Journal of Solid State Chemistry</i> , 1993 , 106, 253-270	3.3	151
222	A note on the symmetry and Bi valence of the superconductor Bi ₂ Sr ₂ Ca ₁ Cu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 156, 189-192	1.3	146
221	Stripe structure of the CuO ₂ plane in Bi ₂ Sr ₂ CaCu ₂ O _{8+y} by anomalous x-ray diffraction. <i>Physical Review B</i> , 1996 , 54, 4310-4314	3.3	109
220	Powder X-ray and neutron diffraction study of the superconductor Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 623-624	1.3	97
219	Beyond Strain and Ligand Effects: Microstrain-Induced Enhancement of the Oxygen Reduction Reaction Kinetics on Various PtNi/C Nanostructures. <i>ACS Catalysis</i> , 2017 , 7, 398-408	13.1	95
218	Relationship between the Synthesis of Prussian Blue Pigments, Their Color, Physical Properties, and Their Behavior in Paint Layers. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9693-9712	3.8	93
217	Defects do Catalysis: CO Monolayer Oxidation and Oxygen Reduction Reaction on Hollow PtNi/C Nanoparticles. <i>ACS Catalysis</i> , 2016 , 6, 4673-4684	13.1	88
216	Crystal structure of Y _{0.9} Ba _{2.1} Cu ₃ O ₆ , a compound related to the high-T _c superconductor YBa ₂ Cu ₃ O ₇ . <i>Nature</i> , 1987 , 327, 687-689	50.4	86
215	Discovery of a second family of bismuth-oxide-based superconductors. <i>Nature</i> , 1997 , 390, 148-150	50.4	83
214	Powder neutron diffraction study of ZrTiO ₄ , Zr ₅ Ti ₇ O ₂₄ , and FeNb ₂ O ₆ . <i>Journal of Solid State Chemistry</i> , 1986 , 64, 30-46	3.3	82
213	MgB ₂ single crystals: high pressure growth and physical properties. <i>Superconductor Science and Technology</i> , 2003 , 16, 221-230	3.1	80

212	A portable instrument for in situ determination of the chemical and phase compositions of cultural heritage objects. <i>X-Ray Spectrometry</i> , 2008 , 37, 418-423	0.9	78
211	Crystal Structures and Spin Crossover in the Polymeric Material [Fe(Htrz) ₂ (trz)](BF ₄) Including Coherent-Domain Size Reduction Effects. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 796-802	2.3	76
210	Superstructure of the superconductor Bi ₂ Sr ₂ CaCu ₂ O ₈ by high-resolution electron microscopy. <i>Nature</i> , 1988 , 333, 53-54	50.4	73
209	Single domain magnetic helicity and triangular chirality in structurally enantiopure Ba ₃ NbFe ₃ Si ₂ O ₁₄ . <i>Physical Review Letters</i> , 2008 , 101, 247201	7.4	72
208	Magnetic and dielectric properties in the langasite-type compounds: A ₃ BFe ₃ D ₂ O ₁₄ (A=Ba, Sr, Ca; B=Ta, Nb, Sb; D=Ge, Si). <i>Physical Review B</i> , 2010 , 81,	3.3	67
207	Structural and electrochemical study of lithium insertion into Fe ₂ O ₃ . <i>Solid State Ionics</i> , 1993 , 66, 259-265	5.3	67
206	Crystal structure of HgBa ₂ Ca ₂ Cu ₃ O _{8+δ} at high pressure (to 8.5 GPa) determined by powder neutron diffraction. <i>Physical Review B</i> , 1995 , 52, 15551-15557	3.3	63
205	Two new bulk superconducting phases in the Y-Ba-Cu-O system: YBa ₂ Cu _{3.5} O _{7+x} (T _c ≈ 40 K) and YBa ₂ Cu ₄ O _{8+x} (T _c ≈ 80 K). <i>Journal of the Less Common Metals</i> , 1989 , 150, 129-137		61
204	Single crystal growth of MgB ₂ and thermodynamics of Mg-B system at high pressure. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 385, 42-48	1.3	59
203	Structural phase transitions in CaSi ₂ under high pressure. <i>Physical Review B</i> , 2000 , 62, 11392-11397	3.3	56
202	Magnetic structure and charge ordering in Fe ₃ BO ₅ : A single-crystal x-ray and neutron powder diffraction study. <i>Physical Review B</i> , 2009 , 79,	3.3	54
201	Correlation among Structure, Microstructure, and Electrochemical Properties of NiAl ₂ O ₃ Layered Double Hydroxide Thin Films. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15646-15659	3.8	52
200	From [C ₆ H ₄ (NH ₃) ₂] ₂ Bi ₂ I ₁₀ reversible solid-state transition, thermochromic and optical studies in the p-phenylenediamine-based iodobismuthate(III) material. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 3336-3344	3.3	51
199	Absence of a structural transition up to 40 GPa in MgB ₂ and the relevance of magnesium nonstoichiometry. <i>Physical Review B</i> , 2001 , 64,	3.3	47
198	Oxygen vacancy ordering, twinning and Cu substitution in YBa ₂ Cu ₃ O _{6+x} . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 582-585	1.3	46
197	Nonmagnetic insulator state in Na ₁ CoO ₂ and phase separation of na vacancies. <i>Physical Review Letters</i> , 2005 , 95, 186405	7.4	45
196	Neutron and X-Ray Structure Refinements between 15 and 1073 K of Piezoelectric Gallium Arsenate, GaAsO ₄ : Temperature and Pressure Behavior Compared with Other Quartz Materials. <i>Journal of Solid State Chemistry</i> , 1999 , 146, 114-123	3.3	45
195	Weak ferromagnetism and spin-glass-like behavior in the rare-earth cuprates R ₂ CuO ₄ (R=Tb, Dy, Ho, Er, Tm, and Y). <i>Physical Review B</i> , 1992 , 45, 4729-4737	3.3	45

- 194 Superstructure of the superconductor Bi₂Sr₂CaCu₂O₈ by high resolution electron microscopy. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 619-620 1.3 45
- 193 The superconducting Bopper/carbonate cuprates: An electron microscopy study. *Physica C: Superconductivity and Its Applications*, **1994**, 231, 103-108 1.3 39
- 192 Atomic-Scale Snapshots of the Formation and Growth of Hollow PtNi/C Nanocatalysts. *Nano Letters*, **2017**, 17, 2447-2453 11.5 37
- 191 Jahn-Teller, polarity, and insulator-to-metal transition in BiMnO₃ at high pressure. *Physical Review Letters*, **2014**, 112, 075501 7.4 37
- 190 Parity-broken chiral spin dynamics in Ba_{1-x}Nb_xFeSi₂O₇. *Physical Review Letters*, **2011**, 106, 207201 7.4 37
- 189 Pyrochlore formation, phase relations, and properties in the CaO_{1-x}Ti_{2x}(Nb,Ta)₂O₅ systems. *Journal of Solid State Chemistry*, **2008**, 181, 406-414 3.3 37
- 188 Magnetic frustration on a Kagomé lattice in R₃Ga₅Si₁₄langasites with R = Nd, Pr. *Journal of Physics Condensed Matter*, **2006**, 18, 5147-5153 1.8 37
- 187 Single Crystal Growth of the High Pressure Phase of (VO)₂P₂O₇ at 3 GPa. *Journal of Solid State Chemistry*, **2000**, 153, 124-131 3.3 37
- 186 Enhancement of T_c of CyCu_{1-x}Ba₂Ca₂Cu₃O_x from 67 K to 120 K by reduction treatments. *Physica C: Superconductivity and Its Applications*, **1996**, 266, 215-222 1.3 36
- 185 Spin-liquid correlations in the Nd-langasite anisotropic kagomé antiferromagnet. *Physical Review Letters*, **2006**, 96, 197205 7.4 35
- 184 X-ray structure determination and modeling of the cyclic tetrasaccharide cyclo. *Carbohydrate Research*, **2000**, 329, 655-65 2.9 35
- 183 Synthesis and crystal structure of BaSrCuO_{2+x}CO₃. *Physica C: Superconductivity and Its Applications*, **1992**, 195, 335-344 1.3 35
- 182 Single crystal study of the 80K superconductor YBa₂Cu₄O₈. *Physica C: Superconductivity and Its Applications*, **1989**, 162-164, 524-525 1.3 35
- 181 High pressure synthesis and structural study of R₂CuO₄ compounds with R = Y, Tb, Dy, Ho, Er, Tm. *Physica C: Superconductivity and Its Applications*, **1992**, 193, 178-188 1.3 34
- 180 Anion and Cation Order in Iodide-Bearing Mg/ZnAl Layered Double Hydroxides. *Journal of Physical Chemistry C*, **2012**, 116, 5460-5475 3.8 33
- 179 The Fine Structure of YCuO_{2+x} Delafossite Determined by Synchrotron Powder Diffraction and Electron Microscopy. *Journal of Solid State Chemistry*, **2001**, 156, 428-436 3.3 33
- 178 Magnetic and crystal structures of BiCrO₃. *Solid State Sciences*, **2010**, 12, 660-664 3.4 32
- 177 Single crystal X-ray diffraction study of the HgBa₂CuO_{4+x} superconducting compound. *Physica C: Superconductivity and Its Applications*, **1996**, 271, 189-196 1.3 30

176	Electron-density Fourier maps of an untwinned YBa ₂ Cu ₃ O _{6.877} single crystal by x-ray-diffraction data. <i>Physical Review B</i> , 1993 , 48, 10638-10641	3.3	30
175	Magnetic phase diagram of Y ₂ CuO ₄ : Weak ferromagnetism and metamagnetic transition. <i>Physical Review B</i> , 1994 , 50, 9924-9936	3.3	30
174	Pb ₃ Sr ₃ Cu ₃ O _{8+δ} : A new layered copper oxychloride. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 167, 67-74	1.3	30
173	Gold effect on chemical bonding in YBa ₂ (Cu _{1-x} , Au _y) ₃ O _{6+x} . <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 172, 183-189	1.3	30
172	Synchrotron X-ray powder diffraction study of the phase I' compound: SnLa ₃ Rh ₄ Sn ₁₂ . <i>Solid State Communications</i> , 1991 , 78, 359-366	1.6	29
171	Metal atom stoichiometry in the electron doped superconductor (Nd,Ce) ₂ CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 199, 65-72	1.3	28
170	Magnetic characterization of the non centrosymmetric Ba ₃ NbFe ₃ Si ₂ O ₁₄ langasite. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1778-1781	2.8	27
169	Easy-axis kagome antiferromagnet: local-probe study of Nd ₃ Ga ₅ SiO ₁₄ . <i>Physical Review Letters</i> , 2008 , 100, 147201	7.4	27
168	Synthesis and fading of eighteenth-century Prussian blue pigments: a combined study by spectroscopic and diffractive techniques using laboratory and synchrotron radiation sources. <i>Journal of Synchrotron Radiation</i> , 2013 , 20, 460-73	2.4	25
167	Magnetic structure of the spin-1/2 layer compound NaNiO ₂ . <i>European Physical Journal B</i> , 2005 , 43, 159-162		25
166	Determination of H _{c1} (T) on a Y ₂ Ba ₄ Cu ₈ O ₁₆ single crystal. <i>Solid State Communications</i> , 1990 , 75, 315-318	6	25
165	Vanadium Clustering/Decustering in P ₂ Ni _{1/2} VO ₂ Layered Oxide. <i>Chemistry of Materials</i> , 2014 , 26, 1538-1548	9.6	23
164	Structure of LaCuO _{2.66} : an oxidized delafossite compound containing hole-doped kagome planes of Cu ²⁺ cations. <i>Solid State Sciences</i> , 2003 , 5, 1095-1104	3.4	23
163	High-temperature phase changes in RuSr ₂ GdCu ₂ O ₈ and physical properties. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 387, 347-358	1.3	23
162	Superstructure and superconductivity in Li _{1-x} NbO ₂ (x _{0.7}) single crystals. <i>Physical Review B</i> , 1999 , 59, 9590-9599	3.3	23
161	Suppression of superconductivity in Hg-1223 and Hg-1234 by partial replacement of Hg by carbon. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 243, 222-232	1.3	23
160	Synthesis, structure, and resistivity properties of K _{1-x} BaxNbO ₃ (0.2 ≤ x ≤ 0.5) and K _{0.5} Sr _{0.5} NbO ₃ . <i>Materials Research Bulletin</i> , 1995 , 30, 1379-1386	5.1	23
159	Double superconducting transition in the filled skutterudite PrOs ₄ Sb ₁₂ and sample characterizations. <i>Physical Review B</i> , 2008 , 77,	3.3	22

158	Electron microscopy study of the new high T _c phase Y ₂ Ba ₄ Cu ₇ O _{14+x} . <i>Solid State Communications</i> , 1989 , 70, 275-278	1.6	22
157	Single crystal growth of BiMnO ₃ under high pressure/high temperature. <i>High Pressure Research</i> , 2009 , 29, 600-604	1.6	20
156	On the possibility of replacing Hg by Cu in the HgBa ₂ CuO ₄ + δ phase synthesized under high-pressure. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 245, 207-211	1.3	20
155	Gold substitution in mercury cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 262, 151-158	1.3	20
154	Structure and twinning of Sr ₃ CuPtO ₆ . <i>Acta Crystallographica Section B: Structural Science</i> , 1992 , 48, 1-11		20
153	Superconductivity in the tungsten bronze Rb _x WO ₃ (0.20x0.33) in connection with its structure, electronic density of states, and phonon density of states. <i>Physical Review B</i> , 2007 , 76,	3.3	19
152	High pressure synthesis and properties of the HgBa ₂ Ca _{n-1} Cu _n O _{2n+2} + δ (n=1-8) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 146-149	1.3	19
151	Li ₂ O:LiMnO Disordered Rock-Salt Nanocomposites as Cathode Prelithiation Additives for High-Energy Density Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1902788	21.8	18
150	AuBa ₂ (Y _{1-x} , Ca _x)Cu ₂ O ₇ : a new superconducting gold cuprate with T _c above 80 K. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 276, 237-244	1.3	18
149	Hidden magnetic frustration by quantum relaxation in anisotropic Nd langasite. <i>Physical Review Letters</i> , 2008 , 100, 237204	7.4	18
148	Oxygen stoichiometry and superconductivity in YBa ₂ Cu ₃ O _{6+x} and Pb ₂ Sr ₂ Y _{1-x} Ca _x O ₈ + δ . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 281-284	1.3	18
147	Solid State Amorphization of β -D-Trehalose: A Structural Investigation Using Synchrotron Powder Diffraction and PDF Analysis. <i>Crystal Growth and Design</i> , 2016 , 16, 4547-4558	3.5	17
146	Investigation of the RbWO ₃ system in connexion with the superconducting properties of the hexagonal tungsten bronzes. <i>Journal of Solid State Chemistry</i> , 2003 , 172, 148-159	3.3	17
145	Magnetic-Field-Induced Weak Ferromagnetic Order in Y ₂ CuO ₄ . <i>Europhysics Letters</i> , 1992 , 20, 651-656	1.6	17
144	Local Structure and Lithium Diffusion Pathways in Li ₄ Mn ₂ O ₅ High Capacity Cathode Probed by Total Scattering and XANES. <i>Chemistry of Materials</i> , 2018 , 30, 3060-3070	9.6	16
143	One-dimensional short-range magnetic correlations in the magnetoelectric pyroxene CaMnGe ₂ O ₆ . <i>Physical Review B</i> , 2016 , 93,	3.3	16
142	Symmetry adapted analysis of the magnetic and structural phase diagram of Bi _{1-x} Y _x CrO ₃ . <i>Physical Review B</i> , 2012 , 85,	3.3	16
141	Ground state of the easy-axis rare-earth kagome langasite Pr ₃ Ga ₅ SiO ₁₄ . <i>Physical Review Letters</i> , 2010 , 104, 057202	7.4	16

140	High pressure synthesis of BiCrO ₃ , a candidate for multiferroism. <i>Journal of Physics: Conference Series</i> , 2008 , 121, 022009	0.3	16
139	Enhancement of metallic behavior in bismuth cobaltates through lead doping. <i>Physical Review B</i> , 2001 , 63,	3.3	16
138	Weak ferromagnetism and spin-glass-like behavior in Tb ₂ CuO ₄ . <i>Journal of Applied Physics</i> , 1991 , 70, 6095-6097	5.6	16
137	Oxygen disorder and the structures of high-T _c superconductors by neutron powder diffraction. <i>IBM Journal of Research and Development</i> , 1989 , 33, 220-227	2.5	16
136	InCuO _{2.5} and ScCuO _{2.5} : new oxidized copper delafossites with triangular lattices of Cu ²⁺ cations. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S811-S816	1.8	15
135	Overdoped Hg _{1-x} AuxBa ₂ Ca ₂ Cu ₃ O _{8+x} and the origin of the intrinsic increase of T _c under pressure in mercury cuprates. <i>Physical Review B</i> , 1998 , 57, R5630-R5633	3.3	15
134	Evolution of structure and superconductivity with lithium content in Li _{1-x} Ti ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 1993 , 195, 81-84	5.7	15
133	Rare-earth magnetic ordering in the R ₂ CuO ₄ cuprates (R=Tb, Dy, Ho, Er and Tm). <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 213, 81-87	1.3	15
132	Disentangling the Degradation Pathways of Highly Defective PtNi/C Nanostructures: An Operando Wide and Small Angle X-ray Scattering Study. <i>ACS Catalysis</i> , 2019 , 9, 160-167	13.1	15
131	Elucidating the Mechanisms Driving the Aging of Porous Hollow PtNi/C Nanoparticles by Means of CO Stripping. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25298-25307	9.5	14
130	Structural instability around T _c observed in Hg-1201 by neutron powder diffraction and EXAFS. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 1081-1082	1.3	14
129	Evidence by x-ray diffraction for two apical oxygen sites in a copper-deficient YBa ₂ Cu _{2.78} O ₇ crystal. <i>Physical Review B</i> , 1993 , 47, 3465-3468	3.3	14
128	Structural changes and oxygen stoichiometry in Pb ₂ Sr ₂ Y _{1-x} Ca _x Cu ₃ O _{8+x} . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 53-54	1.3	14
127	Investigation of the exceptional charge performance of the 0.93Li _{4-x} Mn ₂ O ₅ ·0.07Li ₂ O composite cathode for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5156-5165	13	13
126	Anomalous local atomic correlations in HgBa ₂ CuO _{4+x} . <i>Physical Review B</i> , 1999 , 59, 3851-3854	3.3	13
125	High pressure synthesis and structural study of R ₂ CUO ₄ compounds with R=Y,TB,DY,HO,ER,TM. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 539-540	1.3	13
124	Decoupling of orbital and spin degrees of freedom in Li _{1-x} NaxNiO ₂ . <i>Physical Review B</i> , 2004 , 70,	3.3	12
123	Kondo-like effect in the double exchange ferromagnet La _{0.5-x} CexSr _{0.5} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 777-779	2.8	12

122	Structural Transformations of d-Mannitol Induced by in Situ Milling Using Real Time Powder Synchrotron Radiation Diffraction. <i>Crystal Growth and Design</i> , 2017 , 17, 6111-6122	3.5	11
121	Identifying and quantifying amorphous and crystalline content in complex powdered samples: application to archaeological carbon blacks. <i>Journal of Applied Crystallography</i> , 2016 , 49, 585-593	3.8	11
120	Single-crystalline BiMnO ₃ studied by temperature-dependent x-ray diffraction and Raman spectroscopy. <i>Physical Review B</i> , 2014 , 89,	3.3	11
119	Triple Coll, III, IV charge ordering and spin states in modular cobaltites: a systematization through experimental and virtual compounds. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9457-9466	7.1	11
118	Magnetoelectric coupling driven by inverse magnetostriction in multiferroic BiMn ₃ Mn ₄ O ₁₂ . <i>Journal of Applied Physics</i> , 2013 , 113, 043920	2.5	11
117	JarositeButlerite intergrowths in non-stoichiometric jarosites: crystal chemistry of monoclinic natrojarositeHydroniumjarosite phases. <i>Mineralogical Magazine</i> , 2011 , 75, 2775-2791	1.7	11
116	Single-crystal growth and characterization of the superconductor. <i>Superconductor Science and Technology</i> , 1997 , 10, 598-604	3.1	11
115	A new octahedral tilt system in the perovskite phase Ca ₃ Nb ₂ O ₈ . <i>Journal of Solid State Chemistry</i> , 2003 , 172, 178-187	3.3	11
114	High-pressure synchrotron-diffraction study of the superconducting spin-ladder compounds (Sr,M) ₁₄ Cu ₂₄ O ₄₁ (M=Ca, Ba, Nd). <i>Physical Review B</i> , 1999 , 59, 12048-12053	3.3	11
113	Crystal structure and physical properties of new ternary silicides R ₄ T ₁₃ X ₉ (R, rare earth or uranium; T, rhodium or iridium; X, silicon or germanium). <i>Journal of Alloys and Compounds</i> , 1995 , 218, 197-203	5.7	11
112	The influence of pressure on the superconducting properties of the (Cu _x C _{1-x})Ba ₂ Can _{1-n} CunO _y family of HTSC materials. <i>Solid State Communications</i> , 1996 , 97, 131-135	1.6	11
111	Evolution of structure and superconductivity of Li _{1-x} Ti ₂ O ₄ single crystals without Ti cation disorder. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 747-748	1.3	11
110	Building Practical Descriptors for Defect Engineering of Electrocatalytic Materials. <i>ACS Catalysis</i> , 2020 , 10, 9046-9056	13.1	11
109	Local O ²⁻ probing in the high-T _c superconductor HgBa ₂ CuO ₄ + δ . <i>Physical Review B</i> , 2000 , 61, 11769-11775	3.3	10
108	Structure and physical properties of Li _{1-x} NbO ₂ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 745-746	1.3	10
107	Ferroelectricity in the 1 μ cm ² range induced by canted antiferromagnetism in (LaMn ₃)Mn ₄ O ₁₂ . <i>Applied Physics Letters</i> , 2019 , 115, 152902	3.4	9
106	Structural and magnetic properties of the (Ca _{1-x} Na _x)(Fe _{2-x} Ti _x)O ₄ solid solution (0 \leq x \leq 1). <i>Journal of Alloys and Compounds</i> , 2008 , 452, 234-240	5.7	9
105	Oxygen dopedS= 1/2 Cu delafossites: a muon spin rotation/relaxation study. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S799-S804	1.8	9

104	Structural Characterization of the Engineered Scavenger Compound, H-Li ₂ Ti ₃ O ₇ . <i>Journal of Solid State Chemistry</i> , 2000 , 152, 546-553	3-3	9
103	Crystal structures and physical properties of some new ternary compounds U ₂ T ₃ X (T ? Ru, Os; X ? Si, Ge). <i>Journal of Alloys and Compounds</i> , 1994 , 209, 251-255	5-7	9
102	Properties of T*-phase cuprate materials. <i>Journal of the Less Common Metals</i> , 1991 , 168, 31-37		9
101	SrMGe ₂ O ₆ (M = Mn, Co): a family of pyroxene compounds displaying multiferroicity. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 4236-4245	7-1	9
100	Application of the pair distribution function analysis for the study of cultural heritage materials. <i>Comptes Rendus Physique</i> , 2018 , 19, 561-574	1-4	9
99	Transparent and luminescent glasses of gold thiolate coordination polymers. <i>Chemical Science</i> , 2020 , 11, 6815-6823	9-4	8
98	Crystal growth, structure and ferromagnetic properties of a Ce ₃ Pt ₂₃ Si ₁₁ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 613-618	2-8	8
97	A NEW CRYSTAL-CHEMICAL VARIATION OF THE ALUNITE-TYPE STRUCTURE IN MONOCLINIC PbZn _{0.5} Fe ₃ (AsO ₄) ₂ (OH) ₆ . <i>Canadian Mineralogist</i> , 2008 , 46, 1355-1364	0-7	8
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