

# Pierre Bordet

## List of Publications by Year in descending order

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241  
papers

6,879  
citations

66343

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248  
all docs

248  
docs citations

248  
times ranked

6798  
citing authors

#	ARTICLE	IF	CITATIONS
1	P2-NaxVO2 system as electrodes for batteries and electron-correlated materials. Nature Materials, 2013, 12, 74-80.	27.5	388
2	Surface distortion as a unifying concept and descriptor in oxygen reduction reaction electrocatalysis. Nature Materials, 2018, 17, 827-833.	27.5	344
3	Structure determination of the new high-temperature superconductor Y2Ba4Cu7O14+x. Nature, 1988, 334, 596-598.	27.8	290
4	The synthesis and characterization of the HgBa2Ca2Cu3O8+ $\delta$ and HgBa2Ca3Cu4O10+ $\delta$ phases. Physica C: Superconductivity and Its Applications, 1993, 215, 1-10.	1.2	246
5	Disappearance of superconductivity in overdoped La $_{2-x}$ Sr $_x$ CuO $_4$ at a structural phase boundary. Physical Review Letters, 1992, 68, 3777-3780.	7.8	213
6	Neutron and electron diffraction study of YBa2Cu2Zr0.17Fe0.23O7.13. Solid State Communications, 1988, 66, 435-439.	1.9	176
7	Structural Aspects of the Crystallographic-Magnetic Transition in LaVO3 around 140 K. Journal of Solid State Chemistry, 1993, 106, 253-270.	2.9	171
8	A note on the symmetry and Bi valence of the superconductor Bi2Sr2Ca1Cu2O8. Physica C: Superconductivity and Its Applications, 1988, 156, 189-192.	1.2	156
9	Beyond Strain and Ligand Effects: Microstrain-Induced Enhancement of the Oxygen Reduction Reaction Kinetics on Various PtNi/C Nanostructures. ACS Catalysis, 2017, 7, 398-408.	11.2	140
10	Relationship between the Synthesis of Prussian Blue Pigments, Their Color, Physical Properties, and Their Behavior in Paint Layers. Journal of Physical Chemistry C, 2013, 117, 9693-9712.	3.1	120
11	Stripe structure of the CuO2 plane in Bi2Sr2CaCu2O8+y by anomalous x-ray diffraction. Physical Review B, 1996, 54, 4310-4314.	3.2	118
12	Defects do Catalysis: CO Monolayer Oxidation and Oxygen Reduction Reaction on Hollow PtNi/C Nanoparticles. ACS Catalysis, 2016, 6, 4673-4684.	11.2	107
13	Discovery of a second family of bismuth-oxide-based superconductors. Nature, 1997, 390, 148-150.	27.8	105
14	Powder X-ray and neutron diffraction study of the superconductor Bi2Sr2CaCu2O8. Physica C: Superconductivity and Its Applications, 1988, 153-155, 623-624.	1.2	102
15	Crystal structure of Y0.9Ba2.1Cu3O6, a compound related to the high-Tc superconductor YBa2Cu3O7. Nature, 1987, 327, 687-689.	27.8	92
16	A portable instrument for <i>in situ</i> determination of the chemical and phase compositions of cultural heritage objects. X-Ray Spectrometry, 2008, 37, 418-423.	1.4	92
17	Crystal Structures and Spin Crossover in the Polymeric Material [Fe(Htrz) $_2$ ](BF $_4$ ) Including Coherent Domain Size Reduction Effects. European Journal of Inorganic Chemistry, 2013, 2013, 796-802.	2.0	91
18	Powder neutron diffraction study of ZrTiO4, Zr5Ti7O24, and FeNb2O6. Journal of Solid State Chemistry, 1986, 64, 30-46.	2.9	89

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19	MgB <sub>2</sub> single crystals: high pressure growth and physical properties. Superconductor Science and Technology, 2003, 16, 221-230.	3.5	86
20	Single Domain Magnetic Helicity and Triangular Chirality in Structurally Enantiopure $\text{BaFe}_3\text{As}_7\text{O}_{14}$ . Physical Review Letters, 2008, 101, 247201.	3.5	81
21	Superstructure of the superconductor Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> by high-resolution electron microscopy. Nature, 1988, 333, 53-54.	27.8	77
22	Structural and electrochemical study of lithium insertion into $\hat{\Gamma}^3\text{-Fe}_2\text{O}_3$ . Solid State Ionics, 1993, 66, 259-265.	2.7	76
23	Magnetic and dielectric properties in the langasite-type compounds: $\text{A}_3\text{B}_2\text{C}_3$ . Physical Review B, 2010, 81, .	3.2	74
24	Two new bulk superconducting phases in the Y-Ba-Cu-O system: YBa <sub>2</sub> Cu <sub>3.5</sub> O <sub>7+x</sub> (T <sub>c</sub> ≈ 40 K) and YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8+x</sub> (T <sub>c</sub> ≈ 80 K). Journal of the Less Common Metals, 1989, 150, 129-137.	0.8	64
25	Crystal structure of HgBa <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+<math>\hat{\Gamma}</math></sub> at high pressure (to 8.5 GPa) determined by powder neutron diffraction. Physical Review B, 1995, 52, 15551-15557.	3.2	64
26	Single crystal growth of MgB <sub>2</sub> and thermodynamics of Mg-B-N system at high pressure. Physica C: Superconductivity and Its Applications, 2003, 385, 42-48.	1.2	64
27	Correlation among Structure, Microstructure, and Electrochemical Properties of NiAl <sub>3</sub> CO <sub>3</sub> Layered Double Hydroxide Thin Films. Journal of Physical Chemistry C, 2012, 116, 15646-15659.	3.1	64
28	Magnetic structure and charge ordering in $\text{Fe}_3\text{O}_4$ . A single-crystal x-ray and neutron powder diffraction study. Physical Review B, 2009, 79, .	3.2	68
29	Structural phase transitions in CaSi <sub>2</sub> under high pressure. Physical Review B, 2000, 62, 11392-11397.	3.2	62
30	$\hat{\Gamma}^{\pm}$ - to $\hat{\Gamma}^2$ -[C <sub>6</sub> H <sub>4</sub> (NH <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> Bi <sub>2</sub> I <sub>10</sub> reversible solid-state transition, thermochromic and optical studies in the p-phenylenediamine-based iodobismuthate(III) material. Journal of Solid State Chemistry, 2011, 184, 3336-3344.	2.9	61
31	Oxygen vacancy ordering, twinning and Cu substitution in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> . Physica C: Superconductivity and Its Applications, 1988, 153-155, 582-585.	1.2	49
32	Absence of a structural transition up to 40 GPa in MgB <sub>2</sub> and the relevance of magnesium nonstoichiometry. Physical Review B, 2001, 64, .	3.2	49
33	Weak ferromagnetism and spin-glass-like behavior in the rare-earth cuprates R <sub>2</sub> CuO <sub>4</sub> (R = Tb, Dy, Ho, Er). J. Phys.: Condens. Matter, 1997, 9, 10784-10814.	3.2	48
34	Neutron and X-Ray Structure Refinements between 15 and 1073 K of Piezoelectric Gallium Arsenate, GaAsO <sub>4</sub> : Temperature and Pressure Behavior Compared with Other $\hat{\Gamma}^{\pm}$ -Quartz Materials. Journal of Solid State Chemistry, 1999, 146, 114-123.	2.9	48
35	Nonmagnetic Insulator State in Na <sub>1</sub> CoO <sub>2</sub> and Phase Separation of Na Vacancies. Physical Review Letters, 2005, 95, 186405.	7.8	47
36	Superstructure of the superconductor Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> by high resolution electron microscopy. Physica C: Superconductivity and Its Applications, 1988, 153-155, 619-620.	1.2	46

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37	Magnetic frustration on a Kagomé lattice in $R_3\text{Ga}_5\text{SiO}_{14}$ langasites with $R = \text{Nd, Pr}$ . Journal of Physics Condensed Matter, 2006, 18, 5147-5153.	1.8	44
38	Parity-Broken Chiral Spin Dynamics in $\text{Ba}_3\text{NbFeO}_{14}$ . Physical Review Letters, 2011, 106, 207201.	7.8	44
39	The superconducting copper/carbonate cuprates. An electron microscopy study. Physica C: Superconductivity and Its Applications, 1994, 231, 103-108.	1.2	43
40	X-ray structure determination and modeling of the cyclic tetrasaccharide $\alpha\text{-D-Glc}$ . Carbohydrate Research, 2000, 329, 655-665.	2.3	43
41	Jahn-Teller, Polarity, and Insulator-to-Metal Transition in $\text{BiMnO}_3$ at High Pressure. Physical Review Letters, 2014, 112, 075501.	7.8	43
42	Single Crystal Growth of the High Pressure Phase of $(\text{VO})_2\text{P}_2\text{O}_7$ at 3 GPa. Journal of Solid State Chemistry, 2000, 153, 124-131.	2.9	42
43	$\text{Li}_2\text{O}:\text{LiMnO}$ Disordered Rock Salt Nanocomposites as Cathode Pre-lithiation Additives for High Energy Density Li-Ion Batteries. Advanced Energy Materials, 2020, 10, 1902788.	19.5	42
44	Pyrochlore formation, phase relations, and properties in the $\text{CaO}:\text{TiO}_2:(\text{Nb,Ta})_2\text{O}_5$ systems. Journal of Solid State Chemistry, 2008, 181, 406-414.	2.9	41
45	Enhancement of $T_c$ of $\text{CyCu}_1\text{yBa}_2\text{Ca}_2\text{Cu}_3\text{O}_x$ from 67 K to 120 K by reduction treatments. Physica C: Superconductivity and Its Applications, 1996, 266, 215-222.	1.2	40
46	Magnetic and crystal structures of $\text{BiCrO}_3$ . Solid State Sciences, 2010, 12, 660-664.	3.2	40
47	Atomic-Scale Snapshots of the Formation and Growth of Hollow PtNi/C Nanocatalysts. Nano Letters, 2017, 17, 2447-2453.	9.1	40
48	The Fine Structure of $\text{YCuO}_{2+x}$ Delafossite Determined by Synchrotron Powder Diffraction and Electron Microscopy. Journal of Solid State Chemistry, 2001, 156, 428-436.	2.9	39
49	Synthesis and crystal structure of $\text{BaSrCuO}_{2+x}\text{CO}_3$ . Physica C: Superconductivity and Its Applications, 1992, 195, 335-344.	1.2	38
50	Spin-Liquid Correlations in the Nd-Langasite Anisotropic Kagomé Antiferromagnet. Physical Review Letters, 2006, 96, 197205.	7.8	38
51	Anion and Cation Order in Iodide-Bearing $\text{Mg/Zn-Al}$ Layered Double Hydroxides. Journal of Physical Chemistry C, 2012, 116, 5460-5475.	3.1	38
52	High pressure synthesis and structural study of $\text{R}_2\text{CuO}_4$ compounds with $R = \text{Y, Tb, Dy, Ho, Er, Tm}$ . Physica C: Superconductivity and Its Applications, 1992, 193, 178-188.	1.2	37
53	$\text{Pb}_3\text{Sr}_3\text{Cu}_3\text{O}_8\text{Cl}$ : A new layered copper oxychloride. Physica C: Superconductivity and Its Applications, 1990, 167, 67-74.	1.2	36
54	Single crystal X-ray diffraction study of the $\text{HgBa}_2\text{CuO}_4$ superconducting compound. Physica C: Superconductivity and Its Applications, 1996, 271, 189-196.	1.2	36

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55	Transparent and luminescent glasses of gold thiolate coordination polymers. <i>Chemical Science</i> , 2020, 11, 6815-6823.	7.4	36
56	Single crystal study of the 80K superconductor YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 524-525.	1.2	35
57	Synchrotron X-ray powder diffraction study of the phase I' compound: SnLa <sub>3</sub> Rh <sub>4</sub> Sn <sub>12</sub> . <i>Solid State Communications</i> , 1991, 78, 359-366.	1.9	34
58	Electron-density Fourier maps of an untwinned YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.877</sub> single crystal by x-ray-diffraction data. <i>Physical Review B</i> , 1993, 48, 10638-10641.	3.2	34
59	Gold effect on chemical bonding in YBa <sub>2</sub> (Cu <sub>1-<math>\gamma</math></sub> , Au <sub><math>\gamma</math></sub> ) <sub>3</sub> O <sub>6+x</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1990, 172, 183-189.	1.2	33
60	Easy-Axis Kagome Antiferromagnet: Local-Probe Study of Nd <sub>3</sub> Ga <sub>5</sub> SiO <sub>14</sub> . <i>Physical Review Letters</i> , 2008, 100, 147201.	7.8	31
61	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, 460-473.	2.4	31
62	Magnetic phase diagram of Y <sub>2</sub> CuO <sub>4</sub> : Weak ferromagnetism and metamagnetic transition. <i>Physical Review B</i> , 1994, 50, 9924-9936.	3.2	30
63	Magnetic structure of the spin-1/2 layer compound NaNiO <sub>2</sub> . <i>European Physical Journal B</i> , 2005, 43, 159-162.	1.5	30
64	Building Practical Descriptors for Defect Engineering of Electrocatalytic Materials. <i>ACS Catalysis</i> , 2020, 10, 9046-9056.	11.2	30
65	Metal atom stoichiometry in the electron doped superconductor (Nd,Ce) <sub>2</sub> CuO <sub>4</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1992, 199, 65-72.	1.2	28
66	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.	1.2	28
67	Superstructure and superconductivity in Li <sub>1-x</sub> NbO <sub>2</sub> (x $\approx$ 0.7) single crystals. <i>Physical Review B</i> , 1999, 59, 9590-9599.	3.2	28
68	Magnetic characterization of the non centrosymmetric Ba <sub>3</sub> NbFe <sub>3</sub> Si <sub>2</sub> O <sub>14</sub> langasite. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1778-1781.	2.3	28
69	Double superconducting transition in the filled skutterudite $\text{PrOs}_4\text{P}_{13}$ sample characterizations. <i>Physical Review B</i> , 2008, 77, .	3.2	27
70	Determination of H <sub>c1</sub> (T) on a Y <sub>2</sub> Ba <sub>4</sub> Cu <sub>8</sub> O <sub>16</sub> single crystal. <i>Solid State Communications</i> , 1990, 75, 315-318.	1.9	26
71	Single crystal growth of BiMnO <sub>3</sub> under high pressure at high temperature. <i>High Pressure Research</i> , 2009, 29, 600-604.	1.2	26
72	Electron microscopy study of the new high T <sub>c</sub> phase Y <sub>2</sub> Ba <sub>4</sub> Cu <sub>7</sub> O <sub>14+x</sub> . <i>Solid State Communications</i> , 1989, 70, 275-278.	1.9	25

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73	Structure of LaCuO <sub>2.66</sub> : an oxidized delafossite compound containing hole-doped kagome planes of Cu <sup>2+</sup> cations. Solid State Sciences, 2003, 5, 1095-1104.	3.2	25
74	Synthesis, structure, and resistivity properties of K <sub>1-x</sub> Ba <sub>x</sub> NbO <sub>3</sub> (0.2 ≤ x ≤ 0.5) and K <sub>0.5</sub> Sr <sub>0.5</sub> NbO <sub>3</sub> . Materials Research Bulletin, 1995, 30, 1379-1386.	5.2	24
75	Structure and twinning of Sr <sub>3</sub> CuPtO <sub>6</sub> . Acta Crystallographica Section B: Structural Science, 1992, 48, 1-11.	1.8	23
76	High-temperature phase changes in RuSr <sub>2</sub> GdCu <sub>2</sub> O <sub>8</sub> and physical properties. Physica C: Superconductivity and Its Applications, 2003, 387, 347-358.	1.2	23
77	Vanadium Clustering/Decustering in P <sub>2</sub> Na <sub>1/2</sub> VO <sub>2</sub> Layered Oxide. Chemistry of Materials, 2014, 26, 1538-1548.	6.7	23
78	On the possibility of replacing Hg by Cu in the HgBa <sub>2</sub> CuO <sub>4</sub> + $\delta$ phase synthesized under high-pressure. Physica C: Superconductivity and Its Applications, 1995, 245, 207-211.	1.2	22
79	Hidden Magnetic Frustration by Quantum Relaxation in Anisotropic Nd Langasite. Physical Review Letters, 2008, 100, 237204.	7.8	22
80	Solid State Amorphization of $\beta$ -Trehalose: A Structural Investigation Using Synchrotron Powder Diffraction and PDF Analysis. Crystal Growth and Design, 2016, 16, 4547-4558.	3.0	22
81	Disentangling the Degradation Pathways of Highly Defective PtNi/C Nanostructures – An Operando Wide and Small Angle X-ray Scattering Study. ACS Catalysis, 2019, 9, 160-167.	11.2	22
82	Gold substitution in mercury cuprate superconductors. Physica C: Superconductivity and Its Applications, 1996, 262, 151-158.	1.2	21
83	High pressure synthesis and properties of the HgBa <sub>2</sub> Ca <sub>n-1</sub> Cu <sub>n</sub> O <sub>2n+2</sub> + $\delta$ (n=1~6) superconductors. Physica C: Superconductivity and Its Applications, 1994, 235-240, 146-149.	1.2	20
84	Superconductivity in the tungsten bronze $Rb_xW_3O_{10}$		

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91	Oxygen stoichiometry and superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ and $\text{Pb}_{2-x}\text{Sr}_2\text{Y}_{1-x}\text{Ca}_x\text{O}_8$ . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 281-284.	1.2	18
92	Investigation of the $\text{RbWO}_3$ system in connexion with the superconducting properties of the hexagonal tungsten bronzes. <i>Journal of Solid State Chemistry</i> , 2003, 172, 148-159.	2.9	18
93	High pressure synthesis of $\text{BiCrO}_3$ , a candidate for multiferroism. <i>Journal of Physics: Conference Series</i> , 2008, 121, 022009.	0.4	18
94	A NEW CRYSTAL-CHEMICAL VARIATION OF THE ALUNITE-TYPE STRUCTURE IN MONOCLINIC $\text{PbZn}_{0.5}\text{Fe}_3(\text{AsO}_4)_2(\text{OH})_6$ . <i>Canadian Mineralogist</i> , 2008, 46, 1355-1364.	1.0	18
95	Ground State of the Easy-Axis Rare-Earth Kagome Langasite $\text{Pr}_3\text{Ga}_5\text{SiO}_{14}$ . <i>Physical Review Letters</i> , 2010, 104, 057202.	7.8	18
96	Investigation of the exceptional charge performance of the $0.93\text{Li}_{4-x}\text{Mn}_2\text{O}_5 \cdot 0.07\text{Li}_2\text{O}$ composite cathode for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5156-5165.	10.3	18
97	Unlocking mixed oxides with unprecedented stoichiometries from heterometallic metal-organic frameworks for the catalytic hydrogenation of $\text{CO}_2$ . <i>Chem Catalysis</i> , 2021, 1, 364-382.	6.1	18
98	Weak ferromagnetism and spin-glass-like behavior in $\text{Tb}_2\text{CuO}_4$ . <i>Journal of Applied Physics</i> , 1991, 70, 6095-6097.	2.5	17
99	Magnetic-Field-Induced Weak Ferromagnetic Order in $\text{Y}_2\text{CuO}_4$ . <i>Europhysics Letters</i> , 1992, 20, 651-656.	2.0	17
100	Enhancement of metallic behavior in bismuth cobaltates through lead doping. <i>Physical Review B</i> , 2001, 63, .	3.2	17
101	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.	3.1	16
102	$\text{InCuO}_{2.5}$ and $\text{ScCuO}_{2.5}$ : new oxidized copper delafossites with triangular lattices of $\text{Cu}^{2+}$ cations. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S811-S816.	1.8	16
103	High pressure synthesis and structural study of $\text{R}_2\text{CuO}_4$ compounds with $\text{R}=\text{Y}, \text{Tb}, \text{Dy}, \text{Ho}, \text{Er}, \text{Tm}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 539-540.	1.2	15
104	Rare-earth magnetic ordering in the $\text{R}_2\text{CuO}_4$ cuprates ( $\text{R}=\text{Tb}, \text{Dy}, \text{Ho}, \text{Er}$ and $\text{Tm}$ ). <i>Physica C: Superconductivity and Its Applications</i> , 1993, 213, 81-87.	1.2	15
105	Evolution of structure and superconductivity with lithium content in $\text{Li}_x\text{Ti}_2\text{O}_4$ . <i>Journal of Alloys and Compounds</i> , 1993, 195, 81-84.	5.5	15
106	Structural instability around $T_c$ observed in $\text{Hg-1201}$ by neutron powder diffraction and EXAFS. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 282-287, 1081-1082.	1.2	15
107	Overdoped $\text{Hg}_{1-x}\text{Au}_x\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{8+x}$ and the origin of the intrinsic increase of $T_c$ under pressure in mercury cuprates. <i>Physical Review B</i> , 1998, 57, R5630-R5633.	3.2	15
108	Magnetolectric coupling driven by inverse magnetostriction in multiferroic $\text{BiMn}_3\text{Mn}_4\text{O}_{12}$ . <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	15

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109	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.	4.5	15
110	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.	3.0	15
111	Reversible densification in nano- $\text{Li}_2\text{MnO}_3$ cation disordered rock-salt Li-ion battery cathodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10998-11010.	10.3	15
112	Structural changes and oxygen stoichiometry in $\text{Pb}_{2-x}\text{Sr}_x\text{Y}_{1-x}\text{Ca}_x\text{Cu}_3\text{O}_{8+\delta}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 53-54.	1.2	14
113	Evidence by x-ray diffraction for two apical oxygen sites in a copper-deficient $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ crystal. <i>Physical Review B</i> , 1993, 47, 3465-3468.	3.2	14
114	Crystal structures and physical properties of some new ternary compounds $\text{U}_2\text{T}_3\text{X}$ ( $\text{T} = \frac{1}{4}\text{Ru, Os}$ ; $\text{X} = \frac{1}{4}\text{Si, Ge}$ ). <i>Journal of Alloys and Compounds</i> , 1994, 209, 251-255.	5.5	14
115	Anomalous local atomic correlations in $\text{HgBa}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1999, 59, 3851-3854.	3.2	14
116	Decoupling of orbital and spin degrees of freedom in $\text{Li}_{1-x}\text{Na}_x\text{NiO}_2$ . <i>Physical Review B</i> , 2004, 70, .	3.2	14
117	Single-crystalline $\text{BiMnO}_3$ by temperature-dependent x-ray diffraction and Raman spectroscopy. <i>Physical Review B</i> , 2014, 89, .	3.1	14
118	Single-crystal growth and characterization of the superconductor. <i>Superconductor Science and Technology</i> , 1997, 10, 598-604.	3.5	13
119	Kondo-like effect in the double exchange ferromagnet $\text{La}_{0.5-x}\text{Ce}_x\text{Sr}_{0.5}\text{MnO}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 777-779.	2.3	13
120	Evolution of structure and superconductivity of $\text{Li}_{1-x}\text{Ti}_2\text{O}_4$ single crystals without Ti cation disorder. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 747-748.	1.2	12
121	Crystal structure and physical properties of new ternary silicides $\text{R}_4\text{T}_3\text{X}_9$ (R, rare earth or uranium; Tj ETQq1 1 0.784314 rgBT /Over 5.5 12	5.5	12
122	The influence of pressure on the superconducting properties of the $(\text{Cu}_x\text{Cl}_{1-x})\text{Ba}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_y$ family of HTSC materials. <i>Solid State Communications</i> , 1996, 97, 131-135.	1.9	12
123	High-pressure synchrotron-diffraction study of the superconducting spin-ladder compounds $(\text{Sr},\text{M})_{14}\text{Cu}_{24}\text{O}_{41}$ ( $\text{M}=\text{Ca},\text{Ba},\text{Nd}$ ). <i>Physical Review B</i> , 1999, 59, 12048-12053.	3.2	12
124	A new octahedral tilt system in the perovskite phase $\text{Ca}_3\text{Nb}_2\text{O}_8$ . <i>Journal of Solid State Chemistry</i> , 2003, 172, 178-187.	2.9	12
125	Synthesis and neutron powder diffraction structural analysis of oxidized delafossite $\text{YCuO}_{2.5}$ . <i>Solid State Sciences</i> , 2006, 8, 457-461.	3.2	12
126	Jarosite-butlerite intergrowths in non-stoichiometric jarosites: crystal chemistry of monoclinic natrojarosite-hydroniumjarosite phases. <i>Mineralogical Magazine</i> , 2011, 75, 2775-2791.	1.4	12



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127	Triple Co <sup>II, III, IV</sup> 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.	5.5	12
128	SrMGe <sub>2</sub> O <sub>6</sub> (M = Mn, Co): a family of pyroxene compounds displaying multiferroicity. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4236-4245.	5.5	12
129	Application of the pair distribution function analysis for the study of cultural heritage materials. <i>Comptes Rendus Physique</i> , 2018, 19, 561-574.	0.9	12
130	Ferroelectricity in the 1 $\frac{1}{4}$ C cm <sup>2</sup> range induced by canted antiferromagnetism in (LaMn <sub>3</sub> )Mn <sub>4</sub> O <sub>12</sub> . <i>Applied Physics Letters</i> , 2019, 115, 152902.	3.3	12
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