

Yun Liu

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221
papers

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233
ext. papers

15,498
ext. citations

6.6
avg, IF

6.36
L-index

#	Paper	IF	Citations
221	Photovoltaics. Interface engineering of highly efficient perovskite solar cells. <i>Science</i> , 2014 , 345, 542-6	33.3	5272
220	An orthophosphate semiconductor with photooxidation properties under visible-light irradiation. <i>Nature Materials</i> , 2010 , 9, 559-64	27	1648
219	Diisopropylammonium bromide is a high-temperature molecular ferroelectric crystal. <i>Science</i> , 2013 , 339, 425-8	33.3	583
218	Electron-pinned defect-dipoles for high-performance colossal permittivity materials. <i>Nature Materials</i> , 2013 , 12, 821-6	27	541
217	Interface passivation using ultrathin polymer/fullerene films for high-efficiency perovskite solar cells with negligible hysteresis. <i>Energy and Environmental Science</i> , 2017 , 10, 1792-1800	35.4	305
216	Antiferroelectrics for Energy Storage Applications: a Review. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800111	6.8	184
215	Large Electric Field-Induced Strain and Antiferroelectric Behavior in (1-x)(Na _{0.5} Bi _{0.5})TiO ₃ -xBaTiO ₃ Ceramics. <i>Chemistry of Materials</i> , 2011 , 23, 219-228	9.6	147
214	Colossal Dielectric Behavior of Ga+Nb Co-Doped Rutile TiO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 25321-5	9.5	140
213	Electrospinning induced ferroelectricity in poly(vinylidene fluoride) fibers. <i>Nanoscale</i> , 2011 , 3, 3068-71	7.7	137
212	Colossal Dielectric Permittivity in (Nb+Al) Codoped Rutile TiO ₂ Ceramics: Compositional Gradient and Local Structure. <i>Chemistry of Materials</i> , 2015 , 27, 4934-4942	9.6	130
211	Composition-induced antiferroelectric phase and giant strain in lead-free (Na _y Bi _z)Ti _{1-x} O ₃ (1-x)BaTiO ₃ ceramics. <i>Physical Review B</i> , 2011 , 83,	3.3	122
210	Nanoscale localized contacts for high fill factors in polymer-passivated perovskite solar cells. <i>Science</i> , 2021 , 371, 390-395	33.3	121
209	Ferroelectric memristor based on Pt/BiFeO ₃ /Nb-doped SrTiO ₃ heterostructure. <i>Applied Physics Letters</i> , 2013 , 102, 102901	3.4	117
208	Superhydrophobic and Superoleophilic Porous Boron Nitride Nanosheet/Polyvinylidene Fluoride Composite Material for Oil-Polluted Water Cleanup. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1400267	4.6	108
207	Influence of Calcining Temperature on Photoluminescence and Triboluminescence of Europium-Doped Strontium Aluminate Particles Prepared by Sol-Gel Process. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 3991-3995	3.4	100
206	Structurally frustrated relaxor ferroelectric behavior in CaCu ₃ Ti ₄ O ₁₂ . <i>Physical Review B</i> , 2005 , 72,	3.3	100
205	Local crystal chemistry, induced strain and short range order in the cubic pyrochlore (Bi _{1.5} Zn _{0.5})(Zn _{0.5} Nb _{1.5})O ₇ (Bi _{0.5} Zn _{0.5}) (BZN). <i>Journal of Solid State Chemistry</i> , 2004 , 177, 231-244	3.3	98

204	Room temperature sensing of ozone by transparent p-type semiconductor CuAlO ₂ . <i>Applied Physics Letters</i> , 2004 , 85, 1728-1729	3.4	92
203	Superhydrophobic and Superoleophilic Boron Nitride Nanotube-Coated Stainless Steel Meshes for Oil and Water Separation. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1300002	4.6	91
202	Colossal permittivity with ultralow dielectric loss in In + Ta co-doped rutile TiO ₂ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5436-5441	13	87
201	Colossal permittivity properties of Zn,Nb co-doped TiO ₂ with different phase structures. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11005-11010	7.1	77
200	Nanoscale investigation of ferroelectric properties in electrospun barium titanate/polyvinylidene fluoride composite fibers using piezoresponse force microscopy. <i>Composites Science and Technology</i> , 2011 , 71, 1435-1440	8.6	74
199	High Efficiency Perovskite-Silicon Tandem Solar Cells: Effect of Surface Coating versus Bulk Incorporation of 2D Perovskite. <i>Advanced Energy Materials</i> , 2020 , 10, 1903553	21.8	73
198	Influence of Eu, Dy co-doped strontium aluminate composition on mechanoluminescence intensity. <i>Journal of Luminescence</i> , 2002 , 97, 13-18	3.8	72
197	Nano-Imprinted Ferroelectric Polymer Nanodot Arrays for High Density Data Storage. <i>Advanced Functional Materials</i> , 2013 , 23, 3124-3129	15.6	71
196	Giant Magnetodielectric Effect in 0B Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ -Poly(vinylidene-fluoride) Nanocomposite Films. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13861-13866	3.8	70
195	New method for making porous SiO ₂ thin films. <i>Thin Solid Films</i> , 1999 , 353, 124-128	2.2	70
194	Eu-doped Boron Nitride Nanotubes as a Nanometer-Sized Visible-Light Source. <i>Advanced Materials</i> , 2007 , 19, 1845-1848	24	66
193	Giant linear strain gradient with extremely low elastic energy in a perovskite nanostructure array. <i>Nature Communications</i> , 2017 , 8, 15994	17.4	61
192	Microstructure development in electrospun carbon nanotube reinforced polyvinylidene fluoride fibers and its influence on tensile strength and dielectric permittivity. <i>Composites Science and Technology</i> , 2013 , 88, 1-8	8.6	58
191	Origin of mechanoluminescence from Mn-activated ZnAl ₂ O ₄ : Triboelectricity-induced electroluminescence. <i>Physical Review B</i> , 2004 , 69,	3.3	58
190	Selective separation of oil and water with mesh membranes by capillarity. <i>Advances in Colloid and Interface Science</i> , 2016 , 235, 46-55	14.3	54
189	Structurally frustrated polar nanoregions in BaTiO ₃ -based relaxor ferroelectric systems. <i>Applied Physics Letters</i> , 2007 , 91, 152907	3.4	51
188	Porous-CdS/Cu ₂ O/graphitic-C ₃ N ₄ dual p-n junctions as highly efficient photo/catalysts for degrading ciprofloxacin and generating hydrogen using solar energy. <i>Chemical Engineering Journal</i> , 2020 , 385, 123710	14.7	49
187	The pyrochlore to defect fluorite transition in the Y ₂ (Zr _{1-x} Ti _x) ₂ O ₇ system and its underlying crystal chemistry. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 4404-4412	3.3	48

186	Boron nitride nanosheets as improved and reusable substrates for gold nanoparticles enabled surface enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 7761-6	3.6	47
185	Light emission and excitonic effect of boron nitride nanotubes observed by photoluminescent spectra. <i>Optical Materials</i> , 2007 , 29, 1295-1298	3.3	43
184	Interface-Charge Induced Giant Electrocaloric Effect in Lead Free Ferroelectric Thin-Film Bilayers. <i>Nano Letters</i> , 2020 , 20, 1262-1271	11.5	43
183	Atomic-scale control of TiO ₆ octahedra through solution chemistry towards giant dielectric response. <i>Scientific Reports</i> , 2014 , 4, 6582	4.9	42
182	Structured diffuse scattering and polar nano-regions in the Ba(Ti _{1-x} S _x)O ₃ relaxor ferroelectric system. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 858-865	3.3	42
181	Noble-Metal-Free Multicomponent Nanointegration for Sustainable Energy Conversion. <i>Chemical Reviews</i> , 2021 , 121, 10271-10366	68.1	41
180	Detailed Phase Analysis and Crystal Structure Investigation of a Bi _{1-x} CaxFeO _{3-x/2} Perovskite-Related Solid Solution Phase and Selected Property Measurements Thereof. <i>Chemistry of Materials</i> , 2009 , 21, 4223-4232	9.6	40
179	The local crystal chemistry and dielectric properties of the cubic pyrochlore phase in the Bi ₂ O ₃ M ₂ +ONb ₂ O ₅ (M ²⁺ =Ni ²⁺ and Mg ²⁺) systems. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 549-557	3.3	40
178	Over 1.0mm-long boron nitride nanotubes. <i>Chemical Physics Letters</i> , 2008 , 463, 130-133	2.5	40
177	Self-assembly dynamics and accumulation mechanisms of ultra-fine nanoparticles. <i>Nanoscale</i> , 2015 , 7, 9859-67	7.7	38
176	Janus Conductive/Insulating Microporous Ion-Sieving Membranes for Stable Li-S Batteries. <i>ACS Nano</i> , 2020 , 14, 13852-13864	16.7	38
175	Large piezoelectric properties in KNN-based lead-free single crystals grown by a seed-free solid-state crystal growth method. <i>Applied Physics Letters</i> , 2016 , 108, 182904	3.4	38
174	Ca-Doping of BiFeO ₃ : The Role of Strain in Determining Coupling between Ferroelectric Displacements, Magnetic Moments, Octahedral Tilting, and Oxygen-Vacancy Ordering. <i>Chemistry of Materials</i> , 2013 , 25, 4436-4446	9.6	37
173	Electroluminescent ceramics excited by low electrical field. <i>Applied Physics Letters</i> , 2004 , 84, 5016-5018	3.4	37
172	One-dimensional multiferroic bismuth ferrite fibers obtained by electrospinning techniques. <i>Nanotechnology</i> , 2011 , 22, 235702	3.4	36
171	Colossal permittivity behavior and its origin in rutile (MgTa)TiO ₆ . <i>Scientific Reports</i> , 2017 , 7, 9950	4.9	35
170	Structurally frustrated polar nanoregions in BaTaO ₂ N and the relationship between its high dielectric permittivity and that of BaTiO ₃ . <i>Applied Physics Letters</i> , 2008 , 92, 102907	3.4	35
169	The disordered structures and low temperature dielectric relaxation properties of two misplaced-displacive cubic pyrochlores found in the Bi ₂ O ₃ M ₁ ONb ₂ O ₅ (M=Mg, Ni) systems. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 2558-2565	3.3	35

168	Nonlinear optical properties of lanthanum doped lead titanate thin film using Z-scan technique. <i>Applied Physics Letters</i> , 1996 , 69, 458-459	3-4	34
167	The Formation of Defect-Pairs for Highly Efficient Visible-Light Catalysts. <i>Advanced Materials</i> , 2017 , 29, 1605123	24	33
166	Displacive disorder and dielectric relaxation in the stoichiometric bismuth-containing pyrochlores, Bi ₂ MIIIInNbO ₇ (M=In and Sc). <i>Journal of Solid State Chemistry</i> , 2009 , 182, 2748-2755	3-3	33
165	Earth-abundant transition metal oxides with extraordinary reversible oxygen exchange capacity for efficient thermochemical synthesis of solar fuels. <i>Nano Energy</i> , 2018 , 50, 347-358	17.1	33
164	Crystal chemistry on a lattice: The case of BZN and BZN-related pyrochlores. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 2141-2149	3-3	31
163	Preparation and luminescence of rare-earth-activated Y ₂ SiO ₅ thin films by metallorganic decomposition. <i>Journal of Luminescence</i> , 2000 , 87-89, 1297-1299	3.8	31
162	Porous carbon nanotube/polyvinylidene fluoride composite material: Superhydrophobicity/superoleophilicity and tunability of electrical conductivity. <i>Polymer</i> , 2014 , 55, 5616-5622	3.9	30
161	Colossal permittivity and dielectric relaxation of (Li, In) Co-doped ZnO ceramics. <i>Journal of Alloys and Compounds</i> , 2017 , 698, 200-206	5-7	29
160	Ag ₃ PO ₄ immobilized on hydroxy-metal pillared montmorillonite for the visible light driven degradation of acid red 18. <i>Catalysis Science and Technology</i> , 2016 , 6, 4116-4123	5-5	29
159	Humidity sensing properties of single Au-decorated boron nitride nanotubes. <i>Electrochemistry Communications</i> , 2013 , 30, 29-33	5.1	29
158	Distortion modes and related ferroic properties of the stuffed tridymite-type compounds SrAl ₂ O ₄ and BaAl ₂ O ₄ . <i>Physical Review B</i> , 2009 , 79,	3-3	29
157	Properties of pbtio ₃ , La-modified pbtio ₃ and Pb(Zr,Ti)O ₃ thin films and their application to infrared detectors. <i>Integrated Ferroelectrics</i> , 1997 , 15, 271-279	0.8	29
156	Cluster chemistry in the solid state: Structured diffuse scattering, oxide/fluoride ordering and polar behaviour in transition metal oxyfluorides. <i>Polyhedron</i> , 2007 , 26, 290-299	2.7	29
155	Growth mechanism and enhanced electrical properties of K _{0.5} Na _{0.5} NbO ₃ -based lead-free piezoelectric single crystals grown by a solid-state crystal growth method. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 541-550	6	28
154	On the microstructure and symmetry of apparently hexagonal BaAl ₂ O ₄ . <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1816-1823	3-3	28
153	A structure and phase analysis investigation of the $\sqrt{2} \times \sqrt{2}$ -ordered A ₂ InNbO ₆ perovskites (A=Ca ²⁺ , Sr ²⁺ , Ba ²⁺). <i>Journal of Solid State Chemistry</i> , 2006 , 179, 551-562	3-3	28
152	Local crystal chemistry, structured diffuse scattering and the dielectric properties of (Bi _{1-x} Y _x) ₂ (MIIIInbV)O ₇ (M=Fe ³⁺ , In ³⁺) Bi-pyrochlores. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 2495-2505	3.3	27
151	A combined diffraction (XRD, electron and neutron) and electrical study of Na ₃ MoO ₃ F ₃ . <i>Journal of Solid State Chemistry</i> , 2003 , 174, 450-458	3-3	26

150	Anomalous Photovoltaic Effect in Centrosymmetric Ferroelastic BiVO. <i>Advanced Materials</i> , 2018 , 30, e1801619	24	26
149	Reversible single crystal-to-single crystal double [2+2] cycloaddition induces multifunctional photo-mechano-electrochemical properties in framework materials. <i>Nature Communications</i> , 2020 , 11, 2808	17.4	25
148	The crystal chemistry of Fe-bearing sphalerites: An infrared spectroscopic study. <i>American Mineralogist</i> , 2008 , 93, 591-597	2.9	25
147	On-chip investigation of cell-drug interactions. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 1556-74	18.5	24
146	Design Synthesis of Nitrogen-Doped TiO ₂ @Carbon Nanosheets toward Selective Nitroaromatics Reduction under Mild Conditions. <i>ACS Catalysis</i> , 2017 , 7, 6991-6998	13.1	24
145	Sillen-Aurivillius Intergrowth Phases as Templates for Naturally Layered Multiferroics. <i>Chemistry of Materials</i> , 2012 , 24, 3932-3942	9.6	23
144	Fully-inverted piezoresponse hysteresis loops mediated by charge injection in 0.29Pb(In _{1/2} Nb _{1/2})O ₃ ·0.44Pb(Mg _{1/3} Nb _{2/3})O ₃ ·0.27PbTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2011 , 98, 092908	3.4	23
143	An electron diffraction and bond valence sum study of the space group symmetries and structures of the photocatalytic 1:1 ordered A ₂ InNbO ₆ double perovskites (A=Ca ²⁺ , Sr ²⁺ , Ba ²⁺). <i>Journal of Solid State Chemistry</i> , 2004 , 177, 979-986	3.3	23
142	A structure, conductivity and dielectric properties investigation of A ₃ CoNb ₂ O ₉ (A=Ca ²⁺ , Sr ²⁺ , Ba ²⁺) triple perovskites. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 4428-4442	3.3	23
141	In Situ Formation of Mixed-Dimensional Surface Passivation Layers in Perovskite Solar Cells with Dual-Isomer Alkylammonium Cations. <i>Small</i> , 2020 , 16, e2005022	11	23
140	Electric field tunable thermal stability of energy storage properties of PLZST antiferroelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2382-2386	3.8	22
139	A TEM and RUM study of the inherent displacive flexibility of the fresnoite framework structure type. <i>Physics and Chemistry of Minerals</i> , 2002 , 29, 624-632	1.6	22
138	A TEM, XRD, and crystal chemical investigation of oxygen/vacancy ordering in (Ba _{1-x} Lax) ₂ In ₂ O _{5+x} , 0<x<0.6. <i>Journal of Solid State Chemistry</i> , 2003 , 170, 247-254	3.3	22
137	Colossal permittivity of (Li, Nb) co-doped TiO ₂ ceramics. <i>Ceramics International</i> , 2019 , 45, 11920-11926	5.1	21
136	Response of intergrown microstructure to an electric field and its consequences in the lead-free piezoelectric bismuth sodium titanate. <i>Journal of Solid State Chemistry</i> , 2012 , 187, 309-315	3.3	21
135	K(0.46)Na(0.54)NbO ₃ ferroelectric ceramics: chemical synthesis, electro-mechanical characteristics, local crystal chemistry and elastic anomalies. <i>Dalton Transactions</i> , 2011 , 40, 5066-72	4.3	21
134	A correlated electron diffraction, in situ neutron diffraction and dielectric properties investigation of poled (1-x)Bi _{0.5} Na _{0.5} TiO ₃ -xBaTiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2011 , 110, 084114	2.5	21
133	Piezoresponse force microscopy studies on the domain structures and local switching behavior of Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ single crystals. <i>Journal of Applied Physics</i> , 2012 , 112, 052006	2.5	21

132	Elastic anomalies due to structural phase transitions in mechanoluminescent SrAl ₂ O ₄ :Eu. <i>Journal of Applied Physics</i> , 2010 , 107, 013505	2.5	21
131	Centimetre-scale perovskite solar cells with fill factors of more than 86 per cent.. <i>Nature</i> , 2022 , 601, 573-578	5.7	21
130	Pressure driven depolarization behavior of Bi _{0.5} Na _{0.5} TiO ₃ based lead-free ceramics. <i>Applied Physics Letters</i> , 2017 , 110, 212901	3.4	20
129	Large Piezoelectricity and Ferroelectricity in Mn-Doped (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ Thin Film Prepared by Pulsed Laser Deposition. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2347-2353	3.8	20
128	An electron diffraction and bond valence sum study of the space group symmetries and structures of the photocatalytic 1:2 B site ordered A ₃ CoNb ₂ O ₉ perovskites (A=Ca ²⁺ , Sr ²⁺ , Ba ²⁺). <i>Journal of Solid State Chemistry</i> , 2004 , 177, 2295-2304	3.3	20
127	Electric-field-induced AFE-FE transitions and associated strain/preferred orientation in antiferroelectric PLZST. <i>Scientific Reports</i> , 2016 , 6, 23659	4.9	19
126	Dipolar-glass-like relaxor ferroelectric behaviour in the 0.5BaTiO ₃ -0.5Bi(Mg _{1/2} Ti _{1/2})O ₃ electroceramic. <i>Applied Physics Letters</i> , 2013 , 103, 042910	3.4	19
125	Ferroelastic aspects of relaxor ferroelectric behaviour in Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ perovskite. <i>Journal of Applied Physics</i> , 2013 , 113, 124102	2.5	19
124	Tunable Optoelectronic Properties of WS ₂ by Local Strain Engineering and Folding. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901381	6.4	18
123	High performance Bi _{0.5} Na _{0.5} TiO ₃ -BiAlO ₃ -K _{0.5} Na _{0.5} NbO ₃ lead-free pyroelectric ceramics for thermal detectors. <i>Applied Physics Letters</i> , 2018 , 112, 142903	3.4	18
122	Structured diffuse scattering and the fundamental 1-d dipolar unit in PLZT (Pb _{1-x} Lay) _{1-y} (Zr _{1-x} Tix) _{1-3y} (7.5/65/35 and 7.0/60/40) transparent ferroelectric ceramics. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 348-355	3.3	18
121	Influence of calcining temperature on photoluminescence and thermal quenching in europium-doped Y ₂ SiO ₅ using the MOD process. <i>Journal of Luminescence</i> , 2002 , 97, 135-140	3.8	18
120	Photoluminescence and triboluminescence of PZT materials at room temperature. <i>Ferroelectrics</i> , 2001 , 264, 331-336	0.6	18
119	Piezoelectric Responses of Mechanically Exfoliated Two-Dimensional SnS Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51662-51668	9.5	18
118	Composition-induced structural phase transitions in the (Ba _{1-x} Lax) ₂ In ₂ O _{5+x} (0 ≤ x ≤ 0.6) system. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 882-891	3.3	17
117	Properties of PLT thin films by thermal decomposition of metallo-organic compounds. <i>Ferroelectrics</i> , 1994 , 152, 201-206	0.6	17
116	Collective nonlinear electric polarization via defect-driven local symmetry breaking. <i>Materials Horizons</i> , 2019 , 6, 1717-1725	14.4	16
115	Lead-free (Ag,K)NbO materials for high-performance explosive energy conversion. <i>Science Advances</i> , 2020 , 6, eaba0367	14.3	16

114	Above-Band Gap Photoinduced Stabilization of Engineered Ferroelectric Domains. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12781-12789	9.5	16
113	Chessboard/Diamond Nanostructures and the A-site Deficient, $\text{Li}_{1/2}\text{B}_x\text{Nd}_{1/2+x}\text{TiO}_3$, Defect Perovskite Solid Solution. <i>Chemistry of Materials</i> , 2013 , 25, 190-201	9.6	16
112	A two-step approach towards solar-driven water splitting. <i>Electrochemistry Communications</i> , 2011 , 13, 28-30	5.1	16
111	An electron diffraction, XRD and lattice dynamical investigation of the average structure and rigid unit mode (RUM) modes of distortion of microporous $\text{AlPO}_4\cdot 5$. <i>Solid State Sciences</i> , 2003 , 5, 427-434	3.4	15
110	A combined diffraction and dielectric properties investigation of $\text{Ba}_3\text{MnNb}_2\text{O}_9$ complex perovskites. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3389-3395	3.3	15
109	Introduction of TiO in CuI for Its Improved Performance as a p-Type Transparent Conductor. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24254-24263	9.5	14
108	Susceptible Ferroelectric/Antiferroelectric Phase Transition near the Surface of Nb-Doped Lead Zirconate Stannate Titanate from Surface Processing. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14313-7	9.5	14
107	Raman spectra, photoluminescence and dielectric relaxation in $\text{Bi}_{1.5}\text{ZnNb}_{1.5}\text{O}_7$ pyrochlore. <i>Current Applied Physics</i> , 2011 , 11, S171-S174	2.6	14
106	Rigid unit modes (RUMs) of distortion, local crystal chemistry and the inherent displacive flexibility of microporous $\text{AlPO}_4\cdot 11$. <i>Journal of Solid State Chemistry</i> , 2003 , 172, 431-437	3.3	14
105	Large-scale stationary hydrogen storage via liquid organic hydrogen carriers. <i>Science</i> , 2021 , 24, 102966	6.1	14
104	Preparation and potential application of boron nitride nanocups. <i>Materials Letters</i> , 2012 , 80, 148-151	3.3	13
103	Temperature-dependent electrical, elastic and magnetic properties of sol-gel synthesized $\text{Bi}_{0.9}\text{Ln}_{0.1}\text{FeO}_3$ ($\text{Ln} = \text{Nd}, \text{Sm}$). <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 125901	1.8	13
102	Preparation and characterization of preferred oriented PZT films on amorphous substrates. <i>Journal of Materials Science</i> , 1999 , 34, 4129-4132	4.3	13
101	Fullerene modification of Ag_3PO_4 for the visible-light-driven degradation of acid red 18. <i>RSC Advances</i> , 2016 , 6, 85962-85969	3.7	13
100	Bimetallic Ions Codoped Nanocrystals: Doping Mechanism, Defect Formation, and Associated Structural Transition. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3249-3255	6.4	12
99	Switching spectroscopic measurement of surface potentials on ferroelectric surfaces via an open-loop Kelvin probe force microscopy method. <i>Applied Physics Letters</i> , 2012 , 101, 242906	3.4	12
98	Cathodoluminescence of boron nitride nanotubes doped by ytterbium. <i>Journal of Alloys and Compounds</i> , 2010 , 504, S353-S355	5.7	12
97	Relaxor dielectric properties of a $(\text{Ca}_{1.5}\text{Ti}_{0.5})(\text{NbTi})\text{O}_7$ displaced-displacive tubic pyrochlore synthesised via metallorganic decomposition. <i>Solid State Communications</i> , 2008 , 145, 72-76	1.6	12

96	Development of porous silica thick films by a new base-catalyzed sol-gel route. <i>Materials Letters</i> , 2001 , 49, 102-107	3.3	12
95	Preparation of PLT thin films by thermal decomposition of metallo-organic compounds. <i>Ferroelectrics</i> , 1994 , 152, 195-200	0.6	12
94	A New n = 4 Layered Ruddlesden-Popper Phase K(2.5)Bi(2.5)Ti ₄ O ₁₃ Showing Stoichiometric Hydration. <i>Inorganic Chemistry</i> , 2016 , 55, 1403-11	5.1	11
93	Coexistence of ferroelectricity and magnetism in transition-metal-doped n = 3 Aurivillius phases. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 025215	1.8	11
92	A combined temperature-dependent electron and single-crystal X-ray diffraction study of the fresnoite compound Rb ₂ V ₄ +V ₂ S ₅ +O ₈ . <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3316-3323	3.3	11
91	Magnetic structure and spin correlations in magnetoelectric honeycomb Mn ₄ Ta ₂ O ₉ . <i>Physical Review B</i> , 2018 , 98,	3.3	11
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89	The effect of grain boundary on the visible light absorption of BaTi _{1-x} [Ni _{1/2} Nb _{1/2}] _x O _{3-δ} ferroelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 7405-7413	3.8	10
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