

# Ray L Withers

## 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.

345  
papers

10,396  
citations

44  
h-index

88  
g-index

381  
ext. papers

11,248  
ext. citations

4.1  
avg, IF

5.86  
L-index

#	Paper	IF	Citations
345	Lead-free (Ag,K)NbO materials for high-performance explosive energy conversion. <i>Science Advances</i> , <b>2020</b> , 6, eaba0367	14.3	16
344	Structure-Driven, Ferroelectric Wake-Up Effect for Electrical Fatigue Relief. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6456-6463	9.6	4
343	Symmetry-mode analysis for intuitive observation of structure-property relationships in the lead-free antiferroelectric (1-)AgNbO-LiTaO. <i>IUCrJ</i> , <b>2019</b> , 6, 740-750	4.7	3
342	Highly Efficient Visible Light Catalysts Driven by Ti3+-VO-2Ti4+-N3Defect Clusters. <i>ChemNanoMat</i> , <b>2019</b> , 5, 169-174	3.5	2
341	Study of the B-site ion behaviour in the multiferroic perovskite bismuth iron chromium oxide. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 154104	2.5	4
340	Above-Band Gap Photoinduced Stabilization of Engineered Ferroelectric Domains. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 12781-12789	9.5	16
339	The upper Manganese doping limit and its effects on physical properties of lead-free Bi0.5Na0.5TiO3 ceramics. <i>Ceramics International</i> , <b>2018</b> , 44, 12767-12773	5.1	8
338	Antiferroelectrics for Energy Storage Applications: a Review. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1800111	6.8	184
337	Photovoltaic Effect of a Ferroelectric-Luminescent Heterostructure under Infrared Light Illumination. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29786-29794	9.5	7
336	Soft phonon modes and diffuse scattering in Pb(In1/2Nb1/2)O3-Pb(Mg1/3Nb2/3)O3-PbTiO3 relaxor ferroelectrics. <i>Journal of Materiomics</i> , <b>2018</b> , 4, 345-352	6.7	3
335	Novel insight into the structure and properties of lead-free dielectric Sr3TiNb4O15. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 8890-8896	7.1	5
334	Anomalous Photovoltaics: Anomalous Photovoltaic Effect in Centrosymmetric Ferroelastic BiVO4 (Adv. Mater. 44/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870334	24	4
333	Anomalous Photovoltaic Effect in Centrosymmetric Ferroelastic BiVO. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801619	24	26
332	The Formation of Defect-Pairs for Highly Efficient Visible-Light Catalysts. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605123	24	33
331	Colossal permittivity with ultralow dielectric loss in In + Ta co-doped rutile TiO2. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5436-5441	13	87
330	Rational Design of a Commensurate (3 + 3)-D Modulated Structure within the Fast-Ion Conducting Stabilized $\delta$ -Bi2O3 Series. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9171-9181	9.6	3
329	Design Synthesis of Nitrogen-Doped TiO2@Carbon Nanosheets toward Selective Nitroaromatics Reduction under Mild Conditions. <i>ACS Catalysis</i> , <b>2017</b> , 7, 6991-6998	13.1	24

328	Bimetallic Ions Codoped Nanocrystals: Doping Mechanism, Defect Formation, and Associated Structural Transition. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3249-3255	6.4	12
327	Time-Disordered Crystal Structure of AlPO <sub>4</sub> -5. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 18762-18770	3.8	3
326	Critical role of the coupling between the octahedral rotation and A-site ionic displacements in PbZrO <sub>3</sub> -based antiferroelectric materials investigated by in situ neutron diffraction. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	9
325	Direct mapping of Li-enabled octahedral tilt ordering and associated strain in nanostructured perovskites <b>2016</b> , 722-723		
324	Electric-field-induced AFE-FE transitions and associated strain/preferred orientation in antiferroelectric PLZST. <i>Scientific Reports</i> , <b>2016</b> , 6, 23659	4.9	19
323	Susceptible Ferroelectric/Antiferroelectric Phase Transition near the Surface of Nb-Doped Lead Zirconate Stannate Titanate from Surface Processing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 14313-7	9.5	14
322	The temperature-dependent piezoelectric and electromechanical properties of cobalt-modified sodium bismuth titanate. <i>Ceramics International</i> , <b>2016</b> , 42, 4268-4273	5.1	23
321	Colossal Dielectric Permittivity in (Nb+Al) Codoped Rutile TiO <sub>2</sub> Ceramics: Compositional Gradient and Local Structure. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4934-4942	9.6	130
320	Flux Crystal Growth and Optical Properties of Two Uranium-Containing Silicates: A <sub>2</sub> USiO <sub>6</sub> (A = Cs, Rb). <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 4520-5	5.1	16
319	Bi <sub>1-x</sub> Nb <sub>x</sub> O <sub>1.5+x</sub> (x=0.0625, 0.12) fast ion conductors: Structures, stability and oxide ion migration pathways. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 225, 383-390	3.3	7
318	Synthesis and chemical modifications of in-situ grown anatase TiO <sub>2</sub> microspheres with isotropically exposed {0 0 1} facets for superhydrophobic and self-cleaning properties. <i>Applied Surface Science</i> , <b>2015</b> , 357, 2022-2027	6.7	8
317	A modulation wave approach to the order hidden in disorder. <i>IUCrJ</i> , <b>2015</b> , 2, 74-84	4.7	11
316	Colossal Dielectric Behavior of Ga+Nb Co-Doped Rutile TiO <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25321-5	9.5	140
315	Direct mapping of Li-enabled octahedral tilt ordering and associated strain in nanostructured perovskites. <i>Nature Materials</i> , <b>2015</b> , 14, 1142-9	27	20
314	Type II Bi <sub>1-x</sub> W <sub>x</sub> O <sub>1.5+1.5x</sub> : a (3 + 3)-dimensional commensurate modulation that stabilizes the fast-ion conducting delta phase of bismuth oxide. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2015</b> , 71, 679-87	1.8	4
313	Energy and temperature dependence of rigid unit modes in AlPO <sub>5</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 21547-54	3.6	4
312	Atomic-scale control of TiO <sub>6</sub> octahedra through solution chemistry towards giant dielectric response. <i>Scientific Reports</i> , <b>2014</b> , 4, 6582	4.9	42
311	Observation of short-lived local polar states induced by applied tip biases in BaTiO <sub>3</sub> -based relaxor ferroelectric ceramics. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 022904	3.4	8

310	Ca-Doping of BiFeO <sub>3</sub> : The Role of Strain in Determining Coupling between Ferroelectric Displacements, Magnetic Moments, Octahedral Tilting, and Oxygen-Vacancy Ordering. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 4436-4446	9.6	37
309	Chessboard/Diamond Nanostructures and the A-site Deficient, Li <sub>1/2</sub> B <sub>x</sub> Nd <sub>1/2+x</sub> TiO <sub>3</sub> , Defect Perovskite Solid Solution. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 190-201	9.6	16
308	A (3 + 3)-dimensional "hypercubic" oxide-ionic conductor: type II Bi <sub>2</sub> O <sub>3</sub> -Nb <sub>2</sub> O <sub>5</sub> . <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6477-84	16.4	28
307	Electron-pinned defect-dipoles for high-performance colossal permittivity materials. <i>Nature Materials</i> , <b>2013</b> , 12, 821-6	27	541
306	Domain-selective photochemical reaction on oriented ferroelectric Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> PbTiO <sub>3</sub> single crystals. <i>Applied Surface Science</i> , <b>2013</b> , 265, 157-161	6.7	5
305	Superstructure of Mullite-type KAlO <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2013</b> , 25, 496-502	9.6	5
304	Negative magnetodielectric effect in CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> . <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 234104	2.5	9
303	Dipolar-glass-like relaxor ferroelectric behaviour in the 0.5BaTiO <sub>3</sub> -0.5Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> electroceramic. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 042910	3.4	19
302	Ferroelastic aspects of relaxor ferroelectric behaviour in Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> perovskite. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 124102	2.5	19
301	Structural transitions in [001]/[111]-oriented 0.26Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -0.46Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.28PbTiO <sub>3</sub> single crystals probed via neutron diffraction and electrical characterization. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 154104	2.5	7
300	Phase Relations in Ba <sub>6</sub> B <sub>x</sub> Ln <sub>8+2x</sub> Ti <sub>18</sub> O <sub>54</sub> (Ln = Nd & Sm) Electroceramics. <i>Advances in Condensed Matter Physics</i> , <b>2013</b> , 2013, 1-7	1	1
299	Effect of Annealing Temperature on the Morphology and Piezoresponse Characterisation of Poly(vinylidene fluoride-trifluoroethylene) Films via Scanning Probe Microscopy. <i>Advances in Condensed Matter Physics</i> , <b>2013</b> , 2013, 1-5	1	47
298	Structural Disorder in the Key Lead-Free Piezoelectric Materials, and. <i>Advances in Condensed Matter Physics</i> , <b>2013</b> , 2013, 1-5	1	
297	Temperature Dependence of Electrical Properties and Crystal Structure of 0.29Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> 0.44Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> 0.27PbTiO <sub>3</sub> Single Crystals. <i>Advances in Condensed Matter Physics</i> , <b>2013</b> , 2013, 1-5	1	1
296	Effect of Electric Field and Temperature on Average Structure and Domain Wall Motion in 0.93Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.07BaTiO <sub>3</sub> Ceramic. <i>Advances in Condensed Matter Physics</i> , <b>2013</b> , 2013, 1-4	1	
295	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> , <b>2012</b> , 187, 309-315	3.3	21
294	Compositional uniformity, domain patterning and the mechanism underlying nano-chessboard arrays. <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 495301	1.8	1
293	Ferroelectric and octahedral tilt twin disorder and the lead-free piezoelectric, sodium potassium niobate system. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 195, 55-62	3.3	6

292	Temperature-dependent electrical, elastic and magnetic properties of sol-gel synthesized Bi(0.9)Ln(0.1)FeO <sub>3</sub> (Ln = Nd, Sm). <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 125901	1.8	13
291	A-site deficient perovskites in the SrO <sub>2</sub> rO <sub>2</sub> Nb <sub>2</sub> O <sub>5</sub> system: Composition dependent structures from neutron powder diffraction data. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 191, 63-70	3.3	2
290	Switching spectroscopic measurement of surface potentials on ferroelectric surfaces via an open-loop Kelvin probe force microscopy method. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 242906	3.4	12
289	LOCAL MICROSTRUCTURE EVOLUTION OF BISMUTH SODIUM TITANATE-BASED LEAD-FREE PIEZOELECTRIC SYSTEMS ACROSS THE MORPHOTROPIC PHASE BOUNDARY REGION. <i>Journal of Advanced Dielectrics</i> , <b>2012</b> , 02, 1230012	1.3	6
288	In-situ neutron diffraction study of Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> single crystals under uniaxial mechanical stress. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 084110	2.5	7
287	Phase analysis and microwave dielectric properties of BaO <sub>2</sub> d <sub>2</sub> O <sub>3</sub> BTiO <sub>2</sub> composite ceramics using variable size TiO <sub>2</sub> reagents. <i>Ceramics International</i> , <b>2012</b> , 38, S153-S157	5.1	7
286	Piezoresponse force microscopy studies on the domain structures and local switching behavior of Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> single crystals. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 052006	2.5	21
285	The Effect of Ta Doping on the Phase Transitions and the Piezoelectric and Ferroelectric Properties of K <sub>0.35</sub> Na <sub>0.65</sub> NbO <sub>3</sub> . <i>Ferroelectrics</i> , <b>2012</b> , 429, 95-102	0.6	6
284	K(0.46)Na(0.54)NbO <sub>3</sub> ferroelectric ceramics: chemical synthesis, electro-mechanical characteristics, local crystal chemistry and elastic anomalies. <i>Dalton Transactions</i> , <b>2011</b> , 40, 5066-72	4.3	21
283	Composition-induced antiferroelectric phase and giant strain in lead-free (Nay,Biz)Ti <sub>1-x</sub> O <sub>3</sub> (1-x)BaTiO <sub>3</sub> ceramics. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	122
282	Local order in layered NiPS <sub>2</sub> and Ni <sub>1-x</sub> Mg <sub>x</sub> PS <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 065401	1.8	10
281	Large Electric Field-Induced Strain and Antiferroelectric Behavior in (1-x)(Na <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> -xBaTiO <sub>3</sub> Ceramics. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 219-228	9.6	147
280	Raman spectra, photoluminescence and dielectric relaxation in Bi <sub>1.5</sub> ZnNb <sub>1.5</sub> O <sub>7</sub> pyrochlore. <i>Current Applied Physics</i> , <b>2011</b> , 11, S171-S174	2.6	14
279	Stacking faults and superstructures in a layered brownmillerite. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2011</b> , 67, 476-85		8
278	A two-step approach towards solar-driven water splitting. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 28-30	5.1	16
277	A correlated electron diffraction, in situ neutron diffraction and dielectric properties investigation of poled (1-x)Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -xBaTiO <sub>3</sub> ceramics. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 084114	2.5	21
276	Fully-inverted piezoresponse hysteresis loops mediated by charge injection in 0.29Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> ·0.44Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> ·0.27PbTiO <sub>3</sub> single crystals. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 092908	3.4	23
275	An orthophosphate semiconductor with photooxidation properties under visible-light irradiation. <i>Nature Materials</i> , <b>2010</b> , 9, 559-64	27	1648

274	Morphology, structure, optical, and electrical properties of AgSbO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 024911	2.5	5
273	Giant Magnetodielectric Effect in 0B Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> -Poly(vinylidene-fluoride) Nanocomposite Films. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 13861-13866	3.8	70
272	Oxide Ion Conductivity, Phase Transitions, and Phase Separation in Fluorite-Based Bi <sub>38</sub> Mo <sub>7+x</sub> O <sub>78+1.5x</sub> . <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4484-4494	9.6	25
271	Structures and phase transitions in (MoO <sub>2</sub> ) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> . <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 2290-301	5.1	23
270	Structural Disorder, Polarisation and the Normal to Relaxor Ferroelectric Transition in BaTiO <sub>3</sub> Based Perovskites. <i>Ferroelectrics</i> , <b>2010</b> , 402, 3-9	0.6	7
269	A careful phase analysis and TEM investigation of the incommensurately modulated, (Bi <sub>1-x</sub> MII)FeIII O <sub>3-x/2</sub> (M= Ca and Sr), solid solution phases. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 226, 012015	0.3	4
268	Elastic anomalies due to structural phase transitions in mechanoluminescent SrAl <sub>2</sub> O <sub>4</sub> :Eu. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 013505	2.5	21
267	Monte Carlo Simulation Study of Diffuse Scattering in PZT, Pb(Zr,Ti)O <sub>3</sub> . <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2010</b> , 41, 1110-1118	2.3	14
266	Lead magnesium niobate-lead titanate piezoelectric immunosensors. <i>Sensors and Actuators A: Physical</i> , <b>2010</b> , 163, 82-87	3.9	5
265	Temperature and composition dependent structural investigation of the defect perovskite series Sr <sub>1-x</sub> Ti <sub>1-x</sub> Nb <sub>2x</sub> O <sub>3</sub> , 0 ≤ x ≤ 0.2. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1998-2003	3.3	8
264	Symmetry analysis of extinction rules in diffuse-scattering experiments. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2010</b> , 66, 315-22		5
263	Distortion modes and related ferroic properties of the stuffed tridymite-type compounds SrAl <sub>2</sub> O <sub>4</sub> and BaAl <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	29
262	Pb Displacements in Pb(ZrTi)O <sub>3</sub> (PZT). <i>Key Engineering Materials</i> , <b>2009</b> , 421-422, 389-394	0.4	1
261	Synthesis and structural studies of lanthanide substituted bismuth-titanium pyrochlores. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 836-840	3.3	5
260	Displacive disorder and dielectric relaxation in the stoichiometric bismuth-containing pyrochlores, Bi <sub>2</sub> MIIIInNbO <sub>7</sub> (M=In and Sc). <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2748-2755	3.3	33
259	Electrical characteristics of BaTiO <sub>3</sub> / Bi <sub>0.5</sub> K <sub>0.5</sub> TiO <sub>3</sub> multilayered thin films synthesized via metalloorganic decomposition. <i>Solid State Ionics</i> , <b>2009</b> , 180, 1118-1120	3.3	3
258	Structured diffuse scattering and the fundamental 1-d dipolar unit in PLZT (Pb <sub>1-x</sub> La <sub>y</sub> ) <sub>1-x</sub> (Zr <sub>1-x</sub> Ti <sub>x</sub> ) <sub>1-x</sub> O <sub>3</sub> (7.5/65/35 and 7.0/60/40) transparent ferroelectric ceramics. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 348-355	3.3	18
257	Coupled Li <sup>1+</sup> /Nb <sup>5+</sup> and O <sub>2</sub> <sup>2-</sup> ordering on the Na and Cl sites of the average NaCl structure of Li <sub>4</sub> NbO <sub>4</sub> F. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 1109-1114	3.3	2



256	A TEM investigation of the $(\text{Bi}_{1-x}\text{Sr}_x)\text{Fe}_3\text{O}_{7/2}$ , $0.2 \leq x \leq 0.67$ , solid solution and a suggested superspace structural description thereof. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2176-2184	3.3	16
255	Structure, crystal chemistry and thermal evolution of the $\text{Bi}_2\text{O}_3$ -related phase $\text{Bi}_9\text{ReO}_{17}$ . <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2468-2474	3.3	5
254	Crystal growth of novel lanthanide-containing platinates $\text{K}_4[\text{Ln}_6\text{Pt}_2\text{O}_{15}]$ ( $\text{Ln} = \text{La}, \text{Pr}, \text{Nd}, \text{Sm}$ ) with a unique framework structure. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 414-6	5.1	5
253	Structural transitions and complex domain structures across a ferroelectric-to-antiferroelectric phase boundary in epitaxial Sm-doped $\text{BiFeO}_3$ thin films. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	153
252	The crystal and magnetic structures of $\text{LaCa}_2\text{Fe}_3\text{O}_8$ and $\text{NdCa}_2\text{Fe}_3\text{O}_8$ . <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 124206	1.8	13
251	Detailed Phase Analysis and Crystal Structure Investigation of a $\text{Bi}_{1-x}\text{Ca}_x\text{FeO}_{3-x/2}$ Perovskite-Related Solid Solution Phase and Selected Property Measurements Thereof. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 4223-4232	9.6	40
250	Incommensurate stibate--order made to order. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 5497-503	5.1	20
249	Diffuse scattering in the cesium pyrochlore $\text{CsTi}_0.5\text{W}_1.5\text{O}_6$ . <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 787-795	5.1	10
248	$(\text{Ca}_{0.37}\text{Sr}_{0.63})\text{TiO}_3$ perovskite--an example of an unusual class of tilted perovskites. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 135202	1.8	17
247	Coupled orientational and displacive degrees of freedom in the high-temperature plastic phase of the carbon tetrabromide $\text{CBr}_4$ . <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	19
246	The crystal chemistry of Fe-bearing sphalerites: An infrared spectroscopic study. <i>American Mineralogist</i> , <b>2008</b> , 93, 591-597	2.9	25
245	Structurally frustrated polar nanoregions in $\text{BaTaO}_2\text{N}$ and the relationship between its high dielectric permittivity and that of $\text{BaTiO}_3$ . <i>Applied Physics Letters</i> , <b>2008</b> , 92, 102907	3.4	35
244	Crystal Structures and Phase Transitions in A-Site Deficient Perovskites $\text{Ln}_{1/3}\text{TaO}_3$ . <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6666-6676	9.6	23
243	Disorder--Structured Diffuse Scattering and Local Crystal Chemistry. <i>Advances in Imaging and Electron Physics</i> , <b>2008</b> , 303-337	0.2	5
242	THE STRUCTURE OF "ORTHORHOMBIC" $\text{KAlSiO}_4\text{-O}_1$ : EVIDENCE FOR Al-Si ORDER FROM MAS NMR DATA COMBINED WITH RIETVELD REFINEMENT AND ELECTRON MICROSCOPY. <i>Canadian Mineralogist</i> , <b>2008</b> , 46, 1511-1526	0.7	10
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2	The oxygen positional parameter in pyrochlores and its dependence on disorder		7
1	The determination of an unknown oxygen atom position in rare-earth zirconate pyrochlores by a 111 systematic-row convergent-beam electron diffraction technique		3