

# Nicola A Spaldin

## List of Publications by Citations

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228  
papers

37,943  
citations

80  
h-index

194  
g-index

250  
ext. papers

41,547  
ext. citations

8.7  
avg, IF

7.91  
L-index

#	Paper	IF	Citations
228	Epitaxial BiFeO <sub>3</sub> multiferroic thin film heterostructures. <i>Science</i> , <b>2003</b> , 299, 1719-22	33.3	4944
227	Multiferroics: progress and prospects in thin films. <i>Nature Materials</i> , <b>2007</b> , 6, 21-9	27	3183
226	Why Are There so Few Magnetic Ferroelectrics?. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 6694-6709	3.4	2875
225	Materials science. The renaissance of magnetoelectric multiferroics. <i>Science</i> , <b>2005</b> , 309, 391-2	33.3	2287
224	Weak ferromagnetism and magnetoelectric coupling in bismuth ferrite. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	1109
223	First-principles study of spontaneous polarization in multiferroic BiFeO <sub>3</sub> . <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	1058
222	Electrical control of antiferromagnetic domains in multiferroic BiFeO <sub>3</sub> films at room temperature. <i>Nature Materials</i> , <b>2006</b> , 5, 823-9	27	1054
221	Conduction at domain walls in oxide multiferroics. <i>Nature Materials</i> , <b>2009</b> , 8, 229-34	27	1048
220	A strain-driven morphotropic phase boundary in BiFeO <sub>3</sub> . <i>Science</i> , <b>2009</b> , 326, 977-80	33.3	956
219	The origin of ferroelectricity in magnetoelectric YMnO <sub>3</sub> . <i>Nature Materials</i> , <b>2004</b> , 3, 164-70	27	948
218	Multiferroics: Past, present, and future. <i>Physics Today</i> , <b>2010</b> , 63, 38-43	0.9	706
217	Visualizing the Role of Bi 6s Lone Pairs in the Off-Center Distortion in Ferromagnetic BiMnO <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2001</b> , 13, 2892-2899	9.6	659
216	Advances in magnetoelectric multiferroics. <i>Nature Materials</i> , <b>2019</b> , 18, 203-212	27	606
215	Effect of epitaxial strain on the spontaneous polarization of thin film ferroelectrics. <i>Physical Review Letters</i> , <b>2005</b> , 95, 257601	7.4	457
214	Transition metal-doped TiO <sub>2</sub> and ZnO present status of the field. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, R657-R689	1.8	452
213	Origin of the dielectric dead layer in nanoscale capacitors. <i>Nature</i> , <b>2006</b> , 443, 679-82	50.4	418
212	Enhancement of ferroelectricity at metal-oxide interfaces. <i>Nature Materials</i> , <b>2009</b> , 8, 392-7	27	354

211	Anisotropic conductance at improper ferroelectric domain walls. <i>Nature Materials</i> , <b>2012</b> , 11, 284-8	27	347
210	Theoretical Prediction of New High-Performance Lead-Free Piezoelectrics. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1376-1380	9.6	302
209	Influence of strain and oxygen vacancies on the magnetoelectric properties of multiferroic bismuth ferrite. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	301
208	Nonlinear lattice dynamics as a basis for enhanced superconductivity in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.5</sub> . <i>Nature</i> , <b>2014</b> , 516, 71-3	50.4	294
207	First-principles investigation of ferromagnetism and ferroelectricity in bismuth manganite. <i>Physical Review B</i> , <b>1999</b> , 59, 8759-8769	3.3	291
206	Magnetism in polycrystalline cobalt-substituted zinc oxide. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	290
205	Structure and properties of functional oxide thin films: insights from electronic-structure calculations. <i>Advanced Materials</i> , <b>2011</b> , 23, 3363-81	24	284
204	Carrier-mediated magnetoelectricity in complex oxide heterostructures. <i>Nature Nanotechnology</i> , <b>2008</b> , 3, 46-50	28.7	284
203	Search for ferromagnetism in transition-metal-doped piezoelectric ZnO. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	284
202	Magnetic interactions in transition-metal-doped ZnO: An ab initio study. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	271
201	The toroidal moment in condensed-matter physics and its relation to the magnetoelectric effect. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 434203	1.8	265
200	Quantifying octahedral rotations in strained perovskite oxide films. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	264
199	First-principles study of the origin and nature of ferromagnetism in Ga <sub>1-x</sub> Mn <sub>x</sub> As. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	258
198	First-principles indicators of metallicity and cation off-centricity in the IV-VI rocksalt chalcogenides of divalent Ge, Sn, and Pb. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	255
197	Entropically stabilized local dipole formation in lead chalcogenides. <i>Science</i> , <b>2010</b> , 330, 1660-3	33.3	254
196	Strain-controlled oxygen vacancy formation and ordering in CaMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	250
195	First principles study of the multiferroics BiFeO <sub>3</sub> , Bi <sub>2</sub> FeCrO <sub>6</sub> , and BiCrO <sub>3</sub> : Structure, polarization, and magnetic ordering temperature. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	250
194	Self-interaction-corrected pseudopotential scheme for magnetic and strongly-correlated systems. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	230

- 193 A beginner's guide to the modern theory of polarization. *Journal of Solid State Chemistry*, **2012**, 195, 2-10 3.3 225
- 192 Strain-induced isosymmetric phase transition in BiFeO<sub>3</sub>. *Physical Review B*, **2010**, 81, 3.3 225
- 191 Lattice relaxation in oxide heterostructures: LaTiO<sub>3</sub>/SrTiO<sub>3</sub> superlattices. *Physical Review Letters*, **2006**, 97, 056802 7.4 214
- 190 First-principles study of ferroelectric domain walls in multiferroic bismuth ferrite. *Physical Review B*, **2009**, 80, 3.3 212
- 189 Ground state of half-metallic zinc-blende MnAs. *Physical Review B*, **2000**, 62, 15553-15560 3.3 211
- 188 Why are there any magnetic ferroelectrics?. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 976-979 2.8 209
- 187 Size dependence of excitons in silicon nanocrystals. *Physical Review Letters*, **1995**, 75, 1130-1133 7.4 205
- 186 The 2016 oxide electronic materials and oxide interfaces roadmap. *Journal Physics D: Applied Physics*, **2016**, 49, 433001 3 204
- 185 Stress-induced  $R\bar{3}mC2/m$  symmetry changes in BiFeO<sub>3</sub> films. *Physical Review B*, **2011**, 83, 3.3 203
- 184 Materials science. Functional ion defects in transition metal oxides. *Science*, **2013**, 341, 858-9 33.3 199
- 183 Ab initio prediction of a multiferroic with large polarization and magnetization. *Applied Physics Letters*, **2005**, 86, 012505 3.4 180
- 182 Coexistence of magnetism and ferroelectricity in perovskites. *Physical Review B*, **2002**, 65, 3.3 163
- 181 Self-consistent treatment of spin-orbit coupling in solids using relativistic fully separable ab initio pseudopotentials. *Physical Review B*, **2001**, 64, 3.3 151
- 180 Density Functional Studies of Multiferroic Magnetoelectrics. *Annual Review of Materials Research*, **2002**, 32, 1-37 12.8 149
- 179 Non-d0 Mn-driven ferroelectricity in antiferromagnetic BaMnO<sub>3</sub>. *Physical Review B*, **2009**, 79, 3.3 142
- 178 Large resistivity modulation in mixed-phase metallic systems. *Nature Communications*, **2015**, 6, 5959 17.4 132
- 177 Towards a microscopic theory of toroidal moments in bulk periodic crystals. *Physical Review B*, **2007**, 76, 3.3 131
- 176 Structural and optoelectronic characterization of RF sputtered ZnSnN(2). *Advanced Materials*, **2013**, 25, 2562-6 24 129

175	Landau theory of topological defects in multiferroic hexagonal manganites. <i>Nature Materials</i> , <b>2014</b> , 13, 42-9	27	128
174	Electronic properties of bulk and thin film SrRuO <sub>3</sub> : Search for the metal-insulator transition. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	124
173	Polarization, piezoelectric constants, and elastic constants of ZnO, MgO, and CdO. <i>Journal of Electronic Materials</i> , <b>2006</b> , 35, 538-542	1.9	121
172	Strain-induced coupling of electrical polarization and structural defects in SrMnO <sub>3</sub> films. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 661-5	28.7	119
171	Materials science. Fundamental size limits in ferroelectricity. <i>Science</i> , <b>2004</b> , 304, 1606-7	33.3	119
170	Electric displacement as the fundamental variable in electronic-structure calculations. <i>Nature Physics</i> , <b>2009</b> , 5, 304-308	16.2	118
169	Mn <sup>3+</sup> in trigonal bipyramidal coordination: a new blue chromophore. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 17084-6	16.4	117
168	Understanding ferromagnetism in Co-doped TiO <sub>2</sub> anatase from first principles. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	108
167	Anti-polarity in ideal BiMnO <sub>3</sub> . <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 9854-5	16.4	107
166	A theoretical study of the influence of the surface on the electronic structure of CdSe nanoclusters. <i>Journal of Chemical Physics</i> , <b>1994</b> , 100, 2831-2837	3.9	107
165	Band alignment at metal/ferroelectric interfaces: Insights and artifacts from first principles. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	104
164	Strain-induced ferroelectricity in simple rocksalt binary oxides. <i>Physical Review Letters</i> , <b>2010</b> , 104, 037601	7.4	104
163	Magnetic stress as a driving force of structural distortions: the case of CrN. <i>Physical Review Letters</i> , <b>2000</b> , 85, 5166-9	7.4	101
162	Quantum Critical Origin of the Superconducting Dome in SrTiO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2015</b> , 115, 247002	7.4	97
161	Recent progress in first-principles studies of magnetoelectric multiferroics. <i>Current Opinion in Solid State and Materials Science</i> , <b>2005</b> , 9, 128-139	12	94
160	Functional electronic inversion layers at ferroelectric domain walls. <i>Nature Materials</i> , <b>2017</b> , 16, 622-627	27	92
159	Influence of Quantum Confinement on the Electronic and Magnetic Properties of (Ga,Mn)As Diluted Magnetic Semiconductor. <i>Nano Letters</i> , <b>2002</b> , 2, 605-608	11.5	89
158	Scaling Behavior and Beyond Equilibrium in the Hexagonal Manganites. <i>Physical Review X</i> , <b>2012</b> , 2,	9.1	88

157	Origin of ferroelectricity in the multiferroic barium fluorides BaMF <sub>4</sub> : A first principles study. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	86
156	Structural domain walls in polar hexagonal manganites. <i>Nature Communications</i> , <b>2013</b> , 4, 1540	17.4	85
155	First-principles study of strain-electronic interplay in ZnO: Stress and temperature dependence of the piezoelectric constants. <i>Physical Review B</i> , <b>2000</b> , 62, 8802-8810	3.3	85
154	Substrate coherency driven octahedral rotations in perovskite oxide films. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	84
153	First Principles Search for Multiferroism in BiCrO <sub>3</sub> . <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 3383-3388	3.4	84
152	Multiferroics: Past, present, and future. <i>MRS Bulletin</i> , <b>2017</b> , 42, 385-390	3.2	81
151	Structural effects on the spin-state transition in epitaxially strained LaCoO <sub>3</sub> films. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	81
150	Density Functional Calculations for III <sup>V</sup> Diluted Ferromagnetic Semiconductors: A Review. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2002</b> , 15, 85-104		78
149	A multiferroic material to search for the permanent electric dipole moment of the electron. <i>Nature Materials</i> , <b>2010</b> , 9, 649-54	27	77
148	Noncollinear magnetism and single-ion anisotropy in multiferroic perovskites. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	74
147	Density-functional study of charge doping in WO <sub>3</sub> . <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	74
146	Temperature-dependent magnetoelectric effect from first principles. <i>Physical Review Letters</i> , <b>2010</b> , 105, 087202	7.4	69
145	Competition and cooperation between antiferrodistortive and ferroelectric instabilities in the model perovskite SrTiO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 122203	1.8	68
144	Strong coupling of Jahn-Teller distortion to oxygen-octahedron rotation and functional properties in epitaxially strained orthorhombic LaMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	67
143	Influence of the local As antisite distribution on ferromagnetism in (Ga, Mn)As. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 3493-3495	3.4	65
142	Strain-Engineered Oxygen Vacancies in CaMnO Thin Films. <i>Nano Letters</i> , <b>2017</b> , 17, 794-799	11.5	64
141	A theoretical study of light emission from nanoscale silicon. <i>Journal of Electronic Materials</i> , <b>1996</b> , 25, 269-285	1.9	62
140	Monopole-based formalism for the diagonal magnetoelectric response. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	61

139	Computational design of multifunctional materials. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 176, 615-632	3.3	61
138	Structural phases of strained LaAlO <sub>3</sub> driven by octahedral tilt instabilities. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	59
137	LiMSO(4)F (M = Fe, Co and Ni): promising new positive electrode materials through the DFT microscope. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 15512-22	3.6	59
136	First-principles modeling of ferroelectric capacitors via constrained displacement field calculations. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	57
135	Electronic structure of semiconductor nanoclusters: A time dependent theoretical approach. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 3707-3715	3.9	56
134	Current trends of the magnetoelectric effect. <i>European Physical Journal B</i> , <b>2009</b> , 71, 293-297	1.2	55
133	Dynamical multiferroicity. <i>Physical Review Materials</i> , <b>2017</b> , 1,	3.2	55
132	Mott transition of MnO under pressure: A comparison of correlated band theories. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	54
131	First principles study of structural, electronic and magnetic interplay in ferroelectromagnetic yttrium manganite. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 236, 176-189	2.8	54
130	Induced magnetoelectric response in Pnma perovskites. <i>Physical Review Letters</i> , <b>2011</b> , 107, 197603	7.4	53
129	Strong-correlation effects in Born effective charges. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	53
128	Ultrafast Structure Switching through Nonlinear Phononics. <i>Physical Review Letters</i> , <b>2017</b> , 118, 054101	7.4	51
127	J dependence in the LSDA+U treatment of noncollinear magnets. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	51
126	Report from the third workshop on future directions of solid-state chemistry: The status of solid-state chemistry and its impact in the physical sciences. <i>Progress in Solid State Chemistry</i> , <b>2008</b> , 36, 1-133	8	51
125	Electric-field-switchable magnets: The case of BaNiF <sub>4</sub> . <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	51
124	Observation of persistent centrosymmetry in the hexagonal manganite family. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	50
123	First-principles prediction of oxygen octahedral rotations in perovskite-structure EuTiO <sub>3</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	49
122	Geometric ferroelectricity in fluoroperovskites. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	48

121	Superexchange-driven magnetoelectricity in magnetic vortices. <i>Physical Review Letters</i> , <b>2009</b> , 102, 157203	7.4	46
120	Unexpectedly large electronic contribution to linear magnetoelectricity. <i>Physical Review Letters</i> , <b>2011</b> , 106, 107202	7.4	46
119	Ab initio theory of metal-insulator interfaces in a finite electric field. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	46
118	Linear magnetoelectric effect by orbital magnetism. <i>Physical Review Letters</i> , <b>2012</b> , 109, 197203	7.4	44
117	Ab initio transport theory for digital ferromagnetic heterostructures. <i>Physical Review Letters</i> , <b>2001</b> , 87, 267202	7.4	42
116	Coupling and competition between ferroelectricity, magnetism, strain, and oxygen vacancies in AMnO <sub>3</sub> perovskites. <i>MRS Communications</i> , <b>2016</b> , 6, 182-191	2.7	42
115	Accurate polarization within a unified Wannier function formalism. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	41
114	Multiferroics beyond electric-field control of magnetism. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2020</b> , 476, 20190542	2.4	40
113	High-temperature multiferroicity and strong magnetocrystalline anisotropy in 3d-5d double perovskites. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	39
112	Electric-Field Control of Magnetism in Complex Oxide Thin Films. <i>MRS Bulletin</i> , <b>2008</b> , 33, 1047-1050	3.2	39
111	Ferrodistorive instability at the (001) surface of half-metallic manganites. <i>Physical Review Letters</i> , <b>2007</b> , 99, 226101	7.4	37
110	Analogies and Differences between Ferroelectrics and Ferromagnets <b>2007</b> , 175-218		37
109	Biquadratic and ring exchange interactions in orthorhombic perovskite manganites. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	36
108	Self-interaction effects in (Ga,Mn)As and (Ga,Mn)N. <i>Chemical Physics</i> , <b>2005</b> , 309, 59-65	2.3	36
107	Quantification of octahedral rotations in strained LaAlO <sub>3</sub> films via synchrotron x-ray diffraction. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	35
106	Orbital magnetic moments of phonons. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	32
105	Strain-induced magnetic anisotropy in epitaxial thin films of the spinel CoCr <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	31
104	Global Formation of Topological Defects in the Multiferroic Hexagonal Manganites. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	30



103	Origin of ferroelectric polarization in tetragonal tungsten-bronze-type oxides. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	30
102	Duality of topological defects in hexagonal manganites. <i>Physical Review Letters</i> , <b>2014</b> , 113, 267602	7.4	30
101	Theoretical study of Schottky-barrier formation at epitaxial rare-earth-metal/semiconductor interfaces. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	30
100	Trilayer superlattices: A route to magnetoelectric multiferroics?. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 242916	5.4	30
99	Strain-induced structural instability in FeRh. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	30
98	Multiferroic quantum criticality. <i>Nature Materials</i> , <b>2019</b> , 18, 223-228	27	30
97	Quasistatic magnetoelectric multipoles as order parameter for pseudogap phase in cuprate superconductors. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	29
96	Incommensurate magnetic structure, Fe/Cu chemical disorder, and magnetic interactions in the high-temperature multiferroic YBaCuFeO5. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	29
95	Atomic responses to general dark matter-electron interactions. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	28
94	Self-interaction correction with Wannier functions. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	27
93	Novel Nanorod Precipitate Formation in Neodymium and Titanium Codoped Bismuth Ferrite. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 683-689	15.6	26
92	Correlated local dipoles in PbTe. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	25
91	Physics. Shedding light on oxide interfaces. <i>Science</i> , <b>2011</b> , 332, 922-3	33.3	24
90	Optical Properties of SiTe Semiconductor Nano-Onions. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 3156-3161	3.4	24
89	Two-particle calculation of excitonic effects in semiconductor nanocrystals. <i>Chemical Physics</i> , <b>1996</b> , 210, 117-133	2.3	24
88	The ultrathin limit of improper ferroelectricity. <i>Nature Communications</i> , <b>2019</b> , 10, 5591	17.4	24
87	Defect Chemistry as a Crystal Structure Design Parameter: Intrinsic Point Defects and Ga Substitution in InMnO3. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2425-2434	9.6	23
86	Role of atomic multiplets in the electronic structure of rare-earth semiconductors and semimetals. <i>Physical Review Letters</i> , <b>2009</b> , 102, 096401	7.4	23

85	Magnetophononics: Ultrafast spin control through the lattice. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3-2	23
84	Interplay between strain, defect charge state, and functionality in complex oxides. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 031901	3-4	23
83	Strain and ferroelectric soft-mode induced superconductivity in strontium titanate. <i>Physical Review B</i> , <b>2018</b> , 97,	3-3	22
82	Effects of intense optical phonon pumping on the structure and electronic properties of yttrium barium copper oxide. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	22
81	Effect of epitaxial strain on cation and anion vacancy formation in MnO. <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	21
80	First-principles calculation and experimental investigation of lattice dynamics in the rare-earth pyrochlores R <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> (R=Tb,Dy,Ho). <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	20
79	Electron-lattice instabilities suppress cuprate-like electronic structures in SrFeO <sub>3</sub> /SrTiO <sub>3</sub> superlattices. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	20
78	Depolarizing-Field Effects in Epitaxial Capacitor Heterostructures. <i>Physical Review Letters</i> , <b>2019</b> , 123, 147601	7-4	19
77	Hill and Whaley reply. <i>Physical Review Letters</i> , <b>1996</b> , 76, 3039	7-4	19
76	Magnetoelectric multipoles in metals. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	19
75	First-principles calculation of the bulk magnetoelectric monopole density: Berry phase and Wannier function approaches. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	18
74	Strain effects on the electric polarization of BiMnO <sub>3</sub> . <i>European Physical Journal B</i> , <b>2009</b> , 71, 435-437	1-2	18
73	First-principles approach to spin-orbit coupling in dilute magnetic semiconductors. <i>Physical Review B</i> , <b>2002</b> , 66,	3-3	17
72	Phono-magnetic analogs to opto-magnetic effects. <i>Physical Review Research</i> , <b>2020</b> , 2,	3-9	17
71	Emphanitic anharmonicity in PbSe at high temperature and anomalous electronic properties in the PbQ(Q=S,Se,Te) system. <i>Physical Review B</i> , <b>2018</b> , 98,	3-3	17
70	Electric and magnetic polarizabilities of hexagonal Ln <sub>2</sub> CuTiO <sub>6</sub> (Ln=Y, Dy, Ho, Er, and Yb). <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	16
69	First-principles study of wurtzite-structure MnO. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	16
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