J-W Kim

List of Publications by Year
in descending order

117 papers	5,232 citations	109321 35 h-index	88630 70 g-index
118 all docs	118 docs citations	118 times ranked	6435 citing authors

#	Article	IF	Citations
1	Quantitative relationship between structural orthorhombicity, shear modulus, and heat capacity anomaly of the nematic transition in iron-based superconductors. Physical Review B, 2022, 105, .	3.2	0
2	Local Atomic Configuration Control of Superconductivity in the Undoped Pnictide Parent Compound BaFe₂As₂. ACS Applied Electronic Materials, 2022, 4, 1511-1517.	4.3	2
3	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math> superlattice for a model two-dimensional quantum Heisenberg antiferromagnet. Physical Review	3.6	5
4	Emergent interlayer magnetic order via strain-induced orthorhombic distortion in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>5</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:r Mott insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:r Physical Review B, 2022, 105, .	3.2	1
5	Controllable Emergent Spatial Spin Modulation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:r by In Situ Shear Strain. Physical Review Letters, 2022, 129, .	7.8	4
6	Self-Assembled Periodic Nanostructures Using Martensitic Phase Transformations. Nano Letters, 2021, 21, 1246-1252.	9.1	9
7	Optical magnons with dominant bond-directional exchange interactions in the honeycomb lattice iridate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi><mml:mo>â^'</mml:mo><mml:mrow><mml:msub><mml:mn Physical Review B, 2021, 103, .	3.2	5
8	Magnetic ordering and structural distortion in a PrFeAsO single crystal studied by neutron and x-ray scattering. Physical Review B, 2021, 103, .	3.2	1
9	The transportâ€“structural correspondence across the nematic phase transition probed by elasto X-ray diffraction. Nature Materials, 2021, 20, 1519-1524.	27.5	16
10	Strongly anisotropic antiferromagnetic coupling in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>EuFe</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> revealed by stress detwinning. Physical Review B, 2021, 104, .	3.2	4
11	Template Engineering of Metal-to-Insulator Transitions in Epitaxial Bilayer Nickelate Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 54466-54475.	8.0	5
12	Microscopic piezoelectric behavior of clamped and membrane (001) PMN-30PT thin films. Applied Physics Letters, 2021, 119, .	3.3	5
13	Magnetic Weyl Semimetallic Phase in Thin Films of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Eu</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:r mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:r Physical Review Letters, 2021, 127, 277204.	7.8	17
14	Iodine orbital moment and chromium anisotropy contributions to CrI3 magnetism. Applied Physics Letters, 2020, 117, 022411.	3.3	8
15	Comprehensive Electrical Control of Metamagnetic Transition of a Quasiâ€2D Antiferromagnet by In Situ Anisotropic Strain. Advanced Materials, 2020, 32, e2002451.	21.0	10
16	Suppression of superconductivity by anisotropic strain near a nematic quantum critical point. Nature Physics, 2020, 16, 1189-1193.	16.7	39
17	In-situ fabrication and transport properties of (111) Y2Ir2O7 epitaxial thin film. Applied Physics Letters, 2020, 117, .	3.3	12
18	Superconductivity in undoped BaFe ₂ As ₂ by tetrahedral geometry design. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21170-21174.	7.1	13

#	Article	IF	Citations
19	Controlling symmetry of spin-orbit entangled pseudospin state through uniaxial strain. Physical Review B, 2020, 102, .	3.2	6
20	Multiferroic behavior in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>EuTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> films constrained by symmetry. Physical Review B, 2020, 101, .	3.2	4
21	Spontaneous Hall effect enhanced by local Ir moments in epitaxial Pr2Ir2O7 thin films. Physical Review B, 2020, 101, .	3.2	17
22	Direct Evidence of the Competing Nature between Electronic and Lattice Breathing Order in Rare-Earth Nickelates. Physical Review Letters, 2020, 124, 127601.	7.8	4
23	Nanometer-Thick Sr₂IrO₄ Freestanding Films for Flexible Electronics. ACS Applied Nano Materials, 2020, 3, 6310-6315.	5.0	9
24	Possible Quantum Paramagnetism in Compressed Sr2IrO4. Physical Review Letters, 2020, 124, 067201.	7.8	19
25	Probing Electronic and Magnetic Transitions of Short Periodic Nickelate Superlattices Using Synchrotron X-rays. Synchrotron Radiation News, 2020, 33, 25-29.	0.8	0
26	Strain-Modulated Slater-Mott Crossover of Pseudospin-Half Square-Lattice in (SrIrO3)1/(SrTiO3)1 Superlattices. Physical Review Letters, 2020, 124, 177601.	7.8	10
27	Emergent behavior of LaNiO3 in short-periodic nickelate superlattices. APL Materials, 2020, 8, .	5.1	8
28	Geometrical frustration and piezoelectric response in oxide ferroics. Physical Review Materials, 2020, 4, .	2.4	13
29	Magnetism in iridate heterostructures leveraged by structural distortions. Scientific Reports, 2019, 9, 4263.	3.3	26
30	Pseudospin-lattice coupling in the spin-orbit Mott insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 99, .	3.2	16
31	Anomalous magnetoresistance due to longitudinal spin fluctuations in a Jeffâ€‰=â€‰1/2 Mott semiconductor. Nature Communications, 2019, 10, 5301.	12.8	12
32	Magnetic structure of Nd in NdFeAsO studied by x-ray resonant magnetic scattering. Physical Review B, 2019, 100, .	3.2	3
33	Epitaxial growth and antiferromagnetism of Sn-substituted perovskite iridate SrIr0.8Sn0.2O3. Physical Review Materials, 2019, 3, .	2.4	1
34	Disentangled Cooperative Orderings in Artificial Rare-Earth Nickelates. Physical Review Letters, 2018, 120, 156801.	7.8	23
35	Phase Coexistence and Kinetic Arrest in the Magnetostructural Transition of the Ordered Alloy FeRh. Scientific Reports, 2018, 8, 1778.	3.3	25
36	Controlling entangled spin-orbit coupling of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>5</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math> states with interfacial heterostructure engineering. Physical Review B, 2018, 97, .	3.2	14

#	Article	IF	Citations
37	Engineering SrSnO₃ Phases and Electron Mobility at Room Temperature Using Epitaxial Strain. ACS Applied Materials & Interfaces, 2018, 10, 43802-43808.	8.0	37
38	Tunable Infrared Devices via Ferroelectrics: Tunable Infrared Devices via Ferroelectric Domain Reconfiguration (Advanced Optical Materials 24/2018). Advanced Optical Materials, 2018, 6, 1870094.	7.3	2
39	Isostructural metal-insulator transition in VO ₂. Science, 2018, 362, 1037-1040.	12.6	158
40	Application of differential resonant high-energy X-ray diffraction to three-dimensional structure studies of nanosized materials: A case study of Ptâ€“Pd nanoalloy catalysts. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, 553-566.	0.1	11
41	Strongly-coupled quantum critical point in an all-in-all-out antiferromagnet. Nature Communications, 2018, 9, 2953.	12.8	12
42	Voltage-Controlled Bistable Thermal Conductivity in Suspended Ferroelectric Thin-Film Membranes. ACS Applied Materials & Interfaces, 2018, 10, 25493-25501.	8.0	39
43	Giant magnetostriction effect near onset of spin reorientation in MnBi. Applied Physics Letters, 2018, 112, 192411.	3.3	2
44	Ferromagnetism and Charge Order from a Frozen Electron Configuration in Strained Epitaxial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LaCoO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mn> Physical Review Letters, 2018, 120, 197201.	7.8	26
45	Phase engineering of rare earth nickelates by digital synthesis. Applied Physics Letters, 2018, 113, 081602.	3.3	8
46	Giant magnetic response of a two-dimensional antiferromagnet. Nature Physics, 2018, 14, 806-810.	16.7	44
47	Surface Atomic Structure and Functionality of Metallic Nanoparticles: A Case Study of Auâ€“Pd Nanoalloy Catalysts. Journal of Physical Chemistry C, 2017, 121, 7854-7866.	3.1	20
48	Effects of biaxial strain on the improper multiferroicity inhâ€™LuFeO3films studied using the restrained thermal expansion method. Physical Review B, 2017, 95, .	3.2	14
49	On the possibility to detect multipolar order inURu2Si2by the electric quadrupolar transition of resonant elastic x-ray scattering. Physical Review B, 2017, 96, .	3.2	10
50	Two-Dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>J</mml:mi><mml:mrow><mml:mtext>eff</mml:mtext></mml:mrow></mml:msub> Antiferromagnetic Insulator Unraveled from Interlayer Exchange Coupling in Artificial Perovskite Iridate Superlattices. Physical Review Letters, 2017, 119, 027204.	7.8	55
51	On the structural origin of the single-ion magnetic anisotropy in LuFeO₃. Journal of Physics Condensed Matter, 2016, 28, 156001.	1.8	20
52	Anomalous orbital structure in a spinelâ€“perovskite interface. Npj Quantum Materials, 2016, 1, .	5.2	36
53	Ultrafast dynamics of localized magnetic moments in the unconventional Mott insulator Sr₂IrO₄. Journal of Physics Condensed Matter, 2016, 28, 32LT01.	1.8	11
54	Strong anisotropy within a Heisenberg model in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>J</mml:mi><mml:mtext>eff</mml:mtext></ insulating state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></ Physical Review B, 2016, 94, .	3.2	6

#	Article	IF	Citations
55	Atomic-scale control of magnetic anisotropy via novel spinâ€“orbit coupling effect in La _{2/3} Sr _{1/3} MnO ₃ /SrIrO ₃ superlattices. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6397-6402.	7.1	108
56	Polar metals by geometric design. Nature, 2016, 533, 68-72.	27.8	262
57	Pure electronic metal-insulator transition at the interface of complex oxides. Scientific Reports, 2016, 6, 27934.	3.3	22
58	Engineered Mott ground state in a LaTiO3+Î´/LaNiO3 heterostructure. Nature Communications, 2016, 7, 10418.	12.8	67
59	Evolution of competing magnetic order in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>J</mml:mi><mml:mi>eff</mml:mi></mml:msub></mml:mrow></mml:math> state of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>IrO4. Physical Review B, 2015, 92, .	3.2	33
60	Charge order and antiferromagnetism in epitaxial ultrathin films of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>EuNiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2015, 92, .	3.2	18
61	Novel Electronic Behavior Driving<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>NdNiO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Transition. Physical Review Letters, 2015, 115, 036401.	7.8	84
62	Direct evidence for dominant bond-directional interactions in a honeycomb lattice iridate Na2IrO3. Nature Physics, 2015, 11, 462-466.	16.7	321
63	Epitaxial growth of (1 1 1)-oriented spinel CoCr2O4/Al2O3 heterostructures. Applied Physics Letters, 2015, 106, 071603.	3.3	10
64	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>J</mml:mi><mml:mi>eff</mml:mi></mml:msub></mml:mrow></mml:math> spin-orbit insulating state close to the cubic limit in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>Ca</mml:mtext><mml:mn>4</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>IrO</mml:mtext><mml:m.	3.2	27
65	Structural and electronic origin of the magnetic structures in hexagonal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">LuFeO</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 90, .	3.2	38
66	Quantification of octahedral rotations in strained LaAlO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>films via synchrotron x-ray diffraction. Physical Review B, 2013, 88, .	3.2	38
67	The effect of oxygen vacancies on the electronic phase transition in La1/3Sr2/3FeO3 films. Applied Physics Letters, 2013, 103, .	3.3	16
68	Reversible control of magnetic interactions by electric field in a single-phase material. Nature Communications, 2013, 4, 1334.	12.8	67
69	Emergent Superstructural Dynamic Order due to Competing Antiferroelectric and Antiferrodistortive Instabilities in Bulk<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>EuTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2013, 110, 027201.	7.8	57
70	Magnetoelastic coupling and charge correlation lengths in a twin domain of Ba(Fe1â^'xCox)2As2(x=0.047): A high-resolution x-ray diffraction study. Physical Review B, 2013, 87, .	3.2	2
71	Incommensurate antiferromagnetism in a pure spin system via cooperative organization of local and itinerant moments. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3287-3292.	7.1	29
72	Magnetic structures and interplay between rare-earth Ce and Fe magnetism in single-crystal CeFeAsO. Physical Review B, 2013, 88, .	3.2	18

#	Article	IF	Citations
73	A novel approach for x-ray scattering experiments in magnetic fields utilizing trapped flux in type-II superconductors. Review of Scientific Instruments, 2012, 83, 065103.	1.3	8
74	Magnetically polarized Ir dopant atoms in superconducting Ba(Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi></mml:mi></mml:msub></mml:math>)2As2. Physical Review B, 2012, 85, .	3.2	9
75	Magnetically Driven Metal-Insulator Transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>NaOsO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2012, 108, 257209.	7.8	115
76	Local atomic and electronic structures of epitaxial strained LaCoO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>thin films. Physical Review B, 2012, 85, .	3.2	54
77	Magnetic structural change of Sr2IrO4upon Mn doping. Physical Review B, 2012, 86, .	3.2	43
78	Structural Investigation of Perovskite Manganite and Ferrite Films on Yttria-Stabilized Zirconia Substrates. Journal of the Electrochemical Society, 2012, 159, F436-F441.	2.9	4
79	Antiferromagnetic order in the quasicrystal approximant Cd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>6</mml:mn></mml:msub></mml:math>Tb studied by x-ray resonant magnetic scattering. Physical Review B, 2012, 85, .	3.2	28
80	Dimensionality Driven Spin-Flop Transition in Layered Iridates. Physical Review Letters, 2012, 109, 037204.	7.8	117
81	Magnetic structure determination of Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>LiOsO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>6</mml:mn></mml:msub></mml:math>using neutron and x-ray scattering. Physical Review	3.2	19
82	Charge Order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LuFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>: An Unlikely Route to Ferroelectricity. Physical Review Letters, 2012, 108, 187601.	7.8	105
83	Magnetic order in GdBiPt studied by x-ray resonant magnetic scattering. Physical Review B, 2011, 84, .	3.2	87
84	Character of the structural and magnetic phase transitions in the parent and electron-doped BaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>	3.2	132
85	Surface melting of electronic order in La0.5Sr1.5MnO4. Physical Review B, 2011, 84, .	3.2	6
86	Anisotropic magnetoelastic coupling in single-crystalline CeFeAsO as seen via high-resolution x-ray diffraction. Physical Review B, 2011, 84, .	3.2	7
87	Orbital control in strained ultra-thin LaNiO ₃ /LaAlO ₃ superlattices. Europhysics Letters, 2011, 96, 57004.	2.0	85
88	A strong ferroelectric ferromagnet created by means of spinâ€“lattice coupling. Nature, 2011, 476, 114-114.	27.8	183
89	A strong ferroelectric ferromagnet created by means of spinâ€“lattice coupling. Nature, 2010, 466, 954-958.	27.8	668
90			

#	Article	IF	Citations
91	Strain-mediated metal-insulator transition in epitaxial ultrathin films of NdNiO3. Applied Physics Letters, 2010, 96, .	3.3	88
92	Strain-driven spin reorientation in magnetite/barium titanate heterostructures. Applied Physics Letters, 2010, 96, .	3.3	32
93	Quantifying octahedral rotations in strained perovskite oxide films. Physical Review B, 2010, 82, .	3.2	293
94	Commensurate antiferromagnetic ordering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow> Physical Review B, 2010, 82, .	3.2	18
95	Heat capacity study of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaFe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m Effects of annealing. Physical Review B, 2010, 82, .	3.2	54
96	Magnetic ordering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>EuRh</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m by x-ray resonant magnetic scattering. Physical Review B, 2009, 79, .	3.2	19
97	Microscopic evidence of a strain-enhanced ferromagnetic state in LaCoO3 thin films. Applied Physics Letters, 2009, 95, .	3.3	46
98	Surface influenced magnetostructural transition in FeRh films. Applied Physics Letters, 2009, 95, 222515.	3.3	26
99	Enhanced ordering temperatures in antiferromagnetic manganite superlattices. Nature Materials, 2009, 8, 892-897.	27.5	145
100	Magnetic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Dy</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:mn> hexagonal multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>DyMnO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2008, 78, .	3.2	32
101	Charge Dynamics and Magnetostructural Transition in Multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LuFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2008, 101, 227602.	7.8	141
102	Nature of Ho Magnetism in MultiferroicHoMnO3. Physical Review Letters, 2008, 100, 217201.	7.8	53
103	Charge Order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LuFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>: Antiferroelectric Ground State and Coupling to Magnetism. Physical Review Letters, 2008, 101, 227601.	7.8	120
104	Colossal positive magnetoresistance in a doped nearly magnetic semiconductor. Physical Review B, 2008, 77, .	3.2	24
105	Domain ordering of strained 5 ML SrTiO3 films on Si(001). Applied Physics Letters, 2007, 90, 221908.	3.3	5
106	Strong coupling between the spin polarization of Mn and Tb in multiferroicTbMnO3determined by x-ray resonance exchange scattering. Physical Review B, 2007, 76, .	3.2	29
107	Crystallographic phase transition within the magnetically ordered state ofCe2Fe17. Physical Review B, 2007, 76, .	3.2	36
108	X-ray resonant magnetic scattering study of spontaneous ferrimagnetism. Applied Physics Letters, 2007, 90, 202501.	3.3	11

#	Article	IF	Citations
109	Incommensurate Charge Order Phase in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> to Geometrical Frustration. Physical Review Letters, 2007, 99, 256402.	7.8	30
110	Surface effects on the orbital order in the single-layered manganite La0.5Sr1.5MnO4. Nature Materials, 2007, 6, 972-976.	27.5	20
111	Magnetic powder diffraction from GdNi2Ge2using x-ray resonant magnetic scattering. Journal of Physics Condensed Matter, 2005, 17, L493-L497.	1.8	7
112	X-ray resonant magnetic scattering and x-ray magnetic circular dichroism branching ratios, L3âˆ•L2, for heavy rare earths. Journal of Applied Physics, 2005, 97, 10A311.	2.5	8
113	Systematics of x-ray resonant scattering amplitudes inRNi2Ge2(R=Gd,Tb,Dy,Ho,Er,Tm): The origin of the branching ratio at theLedges of the heavy rare earths. Physical Review B, 2005, 72, .	3.2	26
114	Distinct order of Gd4fand Fe3dmoments coexisting inGdFe4Al8. Physical Review B, 2005, 72, .	3.2	9
115	Imaging antiferromagnetic domains in GdNi2Ge2 with x-ray resonant magnetic scattering. Applied Physics Letters, 2005, 87, 202505.	3.3	6
116	Magnetic structure ofGd5Ge4. Physical Review B, 2005, 71, .	3.2	59
117	Anisotropy and large magnetoresistance in the narrow-gap semiconductorFeSb2. Physical Review B, 2003, 67, .	3.2	124