

# Stephen D Wilson

## 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.

156  
papers

3,531  
citations

33  
h-index

54  
g-index

177  
ext. papers

5,491  
ext. citations

6.8  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
156	Evolution of superconductivity and charge order in pressurized RbV <sub>3</sub> Sb <sub>5</sub> . <i>Chinese Physics B</i> , <b>2022</b> , 31, 017404	1.2	2
155	Optical detection of the density-wave instability in the kagome metal KV <sub>3</sub> Sb <sub>5</sub> . <i>Npj Quantum Materials</i> , <b>2022</b> , 7,	5	9
154	Role of Sb in the superconducting kagome metal CsV <sub>3</sub> Sb <sub>5</sub> revealed by its anisotropic compression. <i>SciPost Physics</i> , <b>2022</b> , 12,	6.1	5
153	Crystal growth of Sr <sub>2</sub> Ir Ru <sub>10</sub> 4 for x?0.4. <i>Journal of Crystal Growth</i> , <b>2022</b> , 578, 126432	1.6	
152	Band structure and polarization effects in photothermoelectric spectroscopy of a Bi <sub>2</sub> Se <sub>3</sub> device. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 122110	3.4	
151	Fermi surface nesting and the Lindhard response function in the kagome superconductor CsV <sub>3</sub> Sb <sub>5</sub> . <i>Applied Physics Letters</i> , <b>2022</b> , 120, 111901	3.4	0
150	Rich nature of Van Hove singularities in Kagome superconductor CsV <sub>3</sub> Sb <sub>5</sub> . <i>Nature Communications</i> , <b>2022</b> , 13, 2220	17.4	2
149	Imaging antiferromagnetic domain fluctuations and the effect of atomic scale disorder in a doped spin-orbit Mott insulator. <i>Science Advances</i> , <b>2021</b> , 7, eabi6468	14.3	0
148	Topological surface states and flat bands in the kagome superconductor CsV <sub>3</sub> Sb <sub>5</sub> . <i>Science Bulletin</i> , <b>2021</b> ,	10.6	8
147	Geometry of the charge density wave in the kagome metal AV <sub>3</sub> Sb <sub>5</sub> . <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	8
146	Coherent phonon spectroscopy and interlayer modulation of charge density wave order in the kagome metal CsV <sub>3</sub> Sb <sub>5</sub> . <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	13
145	Fermi Surface Mapping and the Nature of Charge-Density-Wave Order in the Kagome Superconductor CsV <sub>3</sub> Sb <sub>5</sub> . <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	20
144	Strain-sensitive superconductivity in the kagome metals KV <sub>3</sub> Sb <sub>5</sub> and CsV <sub>3</sub> Sb <sub>5</sub> probed by point-contact spectroscopy. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	3
143	Superconductivity in the Z <sub>2</sub> kagome metal KV <sub>3</sub> Sb <sub>5</sub> . <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	77
142	Dynamical ground state in the XY pyrochlore Yb <sub>2</sub> GaSbO <sub>7</sub> . <i>Npj Quantum Materials</i> , <b>2021</b> , 6,	5	1
141	Absence of local moments in the kagome metal KVSbas determined by muon spin spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,	1.8	39
140	Magnetoentropic mapping and computational modeling of cycloids and skyrmions in the lacunar spinels GaV <sub>4</sub> S <sub>8</sub> and GaV <sub>4</sub> Se <sub>8</sub> . <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	2

139	Pressure-induced double superconducting domes and charge instability in the kagome metal KV3Sb5. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	33
138	Unconventional chiral charge order in kagome superconductor KVSb. <i>Nature Materials</i> , <b>2021</b> , 20, 1353-1357		86
137	Absence of moment fragmentation in the mixed B-site pyrochlore Nd2GaSbO7. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
136	Nematic transition and nanoscale suppression of superconductivity in Fe(Te,Se). <i>Nature Physics</i> , <b>2021</b> , 17, 903-908	16.2	2
135	Intrinsic nature of chiral charge order in the kagome superconductor RbV3Sb5. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	22
134	Nodeless superconductivity in the kagome metal CsV3Sb5. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1	3.6	29
133	Chemical Control of Spin-Orbit Coupling and Charge Transfer in Vacancy-Ordered Ruthenium(IV) Halide Perovskites. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 5244-5248	3.6	
132	Chemical Control of Spin-Orbit Coupling and Charge Transfer in Vacancy-Ordered Ruthenium(IV) Halide Perovskites. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5184-5188	16.4	5
131	Quantum Data Hub: A Collaborative Data and Analysis Platform for Quantum Material Science. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 656-670	0.9	
130	Quantum disorder and unconventional magnetism in ALnX2 (A = alkali; Ln = lanthanide; X = chalcogen) materials. <i>Neutron News</i> , <b>2021</b> , 32, 19-21	0.4	
129	Frustrated Heisenberg J1J2 model within the stretched diamond lattice of LiYbO2. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	4
128	Antiferromagnetism and crystalline electric field excitations in tetragonal NaCeO2. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
127	Low-energy optical properties of the nonmagnetic kagome metal CsV3Sb5. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	10
126	Evaluating the effects of structural disorder on the magnetic properties of Nd2Zr2O7. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	1
125	Magnetic properties and signatures of moment ordering in the triangular lattice antiferromagnet KCeO2. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	1
124	Cascade of correlated electron states in the kagome superconductor CsVSb. <i>Nature</i> , <b>2021</b> , 599, 216-221	50.4	48
123	Realizing Kagome Band Structure in Two-Dimensional Kagome Surface States of RV <sub>6</sub> Sn <sub>6</sub> (R=Gd, Ho).. <i>Physical Review Letters</i> , <b>2021</b> , 127, 266401	7.4	2
122	CsV <sub>3</sub> Sb <sub>5</sub> : A Z <sub>2</sub> Topological Kagome Metal with a Superconducting Ground State. <i>Physical Review Letters</i> , <b>2020</b> , 125, 247002	7.4	107

121	Robust metastable skyrmions with tunable size in the chiral magnet FePtMo <sub>3</sub> N. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	1
120	Monopole-limited nucleation of magnetism in Eu <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
119	Three-Magnon Bound State in the Quasi-One-Dimensional Antiferromagnet $\text{NaMnO}_2$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 197203	7.4	6
118	Spin excitations in the frustrated triangular lattice antiferromagnet NaYbO <sub>2</sub> . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	13
117	Structural Diversity and Magnetic Properties of Hybrid Ruthenium Halide Perovskites and Related Compounds. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8974-8981	16.4	10
116	Van Vleck excitons in Ca <sub>2</sub> RuO <sub>4</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
115	Controlling Dzyaloshinskii-Moriya interactions in the skyrmion host candidates FePd <sub>1-x</sub> PtxMo <sub>3</sub> N. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	8
114	Evolution of noncollinear magnetism in magnetocaloric MnPtGa. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	6
113	Structural evolution and skyrmionic phase diagram of the lacunar spinel GaMo <sub>4</sub> Se <sub>8</sub> . <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	11
112	Correlating magnetic structure and magnetotransport in semimetal thin films of Eu Sm TiO. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	2
111	Doping and temperature evolutions of optical response of Sr(IrRu)O. <i>Scientific Reports</i> , <b>2020</b> , 10, 22340	4.9	0
110	Magnetic fluctuations and the spin-orbit interaction in Mott insulating CoO. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 374011	1.8	3
109	Unconventional Hund metal in a weak itinerant ferromagnet. <i>Nature Communications</i> , <b>2020</b> , 11, 3076	17.4	3
108	Giant, unconventional anomalous Hall effect in the metallic frustrated magnet candidate, KV <sub>2</sub> Sb. <i>Science Advances</i> , <b>2020</b> , 6, eabb6003	14.3	97
107	Magnetoelastic coupling to coherent acoustic phonon modes in the ferrimagnetic insulator GdTlO <sub>3</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	3
106	Symmetry-Resolved Two-Magnon Excitations in a Strong Spin-Orbit-Coupled Bilayer Antiferromagnet. <i>Physical Review Letters</i> , <b>2020</b> , 125, 087202	7.4	3
105	Ultrafast Enhancement of Ferromagnetic Spin Exchange Induced by Ligand-to-Metal Charge Transfer. <i>Physical Review Letters</i> , <b>2020</b> , 125, 197203	7.4	5
104	Structural Diversity and Magnetic Properties of Hybrid Ruthenium Halide Perovskites and Related Compounds. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9059-9066	3.6	8

103	Structural coupling and magnetic tuning in Mn <sub>2</sub> CoxP magnetocalorics for thermomagnetic power generation. <i>APL Materials</i> , <b>2020</b> , 8, 041106	5.7	5
102	Spin-orbit excitons in CoO. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	13
101	Atomic-scale fragmentation and collapse of antiferromagnetic order in a doped Mott insulator. <i>Nature Physics</i> , <b>2019</b> , 15, 1267-1272	16.2	11
100	Magnetostructural Coupling Drives Magnetocaloric Behavior: The Case of MnB versus FeB. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 4873-4881	9.6	15
99	High-pressure laser floating zone furnace. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 043906	1.7	9
98	Overdamped Antiferromagnetic Strange Metal State in Sr <sub>3</sub> IrRuO <sub>7</sub> . <i>Physical Review Letters</i> , <b>2019</b> , 122, 157201	7.4	2
97	Preferential quenching of 5d antiferromagnetic order in Sr(Ir Mn )O. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 244003	1.8	0
96	Dimensional crossover in a layered ferromagnet detected by spin correlation driven distortions. <i>Nature Communications</i> , <b>2019</b> , 10, 1654	17.4	9
95	Polarized Raman spectroscopy study of metallic (Sr <sub>1-x</sub> Lax)3Ir2O7: A consistent picture of disorder-interrupted unidirectional charge order. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	4
94	Evolution of structure and magnetism across the metal-insulator transition in the pyrochlore iridate (Nd <sub>1-x</sub> Cax)2Ir2O7. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	4
93	Doping induced Mott collapse and possible density wave instabilities in (Sr <sub>1-x</sub> Lax)3Ir2O7. <i>Npj Quantum Materials</i> , <b>2019</b> , 4,	5	6
92	Field-tunable quantum disordered ground state in the triangular-lattice antiferromagnet NaYbO <sub>2</sub> . <i>Nature Physics</i> , <b>2019</b> , 15, 1058-1064	16.2	62
91	Modeling the structural distortion and magnetic ground state of the polar lacunar spinel GaV <sub>4</sub> Se <sub>8</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	6
90	Deciphering structural and magnetic disorder in the chiral skyrmion host materials CoxZnyMnz (x+y+z=20). <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	17
89	New kagome prototype materials: discovery of KV <sub>3</sub> Sb <sub>5</sub> , RbV <sub>3</sub> Sb <sub>5</sub> , and CsV <sub>3</sub> Sb <sub>5</sub> . <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	101
88	Bulk superconductivity in FeTe <sub>1-x</sub> Sex via physicochemical pumping of excess iron. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	3
87	Spectroscopic Evidence for Electron-Boson Coupling in Electron-Doped Sr <sub>2</sub> IrO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2019</b> , 123, 216402	7.4	6
86	Rapid Microwave Preparation and Composition Tuning of the High-Performance Magnetocalorics (Mn,Fe)(P,Si). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 7208-7213	9.5	14

85	Quasistatic antiferromagnetism in the quantum wells of SmTiO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. <i>Npj Quantum Materials</i> , <b>2018</b> , 3,	5	7
84	Unidirectional spin density wave state in metallic (SrLa)IrO. <i>Nature Communications</i> , <b>2018</b> , 9, 103	17.4	22
83	Octahedral tilt independent magnetism in confined GdTiO <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 132407	3.4	1
82	Magnetoentropic signatures of skyrmionic phase behavior in FeGe. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	26
81	Doping-dependent correlation effects in (Sr <sub>1-x</sub> La <sub>x</sub> ) <sub>3</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	2
80	Switchable Plasmonic Dielectric Resonators with Metal-Insulator Transitions. <i>ACS Photonics</i> , <b>2018</b> , 5, 371-377	6.3	50
79	Magnetically driven band shift and metal-insulator transition in spin-orbit-coupled Sr <sub>3</sub> (Ir <sub>1-x</sub> Ru <sub>x</sub> ) <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2
78	Electron doping in Sr <sub>3</sub> Ir <sub>2</sub> O <sub>7</sub> : Collapse of band gap and magnetic order. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	1
77	Revealing Optical Transitions and Carrier Recombination Dynamics within the Bulk Band Structure of BiSe. <i>Nano Letters</i> , <b>2018</b> , 18, 5875-5884	11.5	11
76	Amplitude mode in the planar triangular antiferromagnet NaMnO. <i>Nature Communications</i> , <b>2018</b> , 9, 21887.4	11	
75	Controlled vapor crystal growth of Na <sub>4</sub> Ir <sub>3</sub> O <sub>8</sub> : A three-dimensional quantum spin liquid candidate. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	2
74	Resolving interfacial charge transfer in titanate superlattices using resonant x-ray reflectometry. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	1
73	Thermal evolution of quasi-one-dimensional spin correlations within the anisotropic triangular lattice of NaMnO <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	9
72	Disorder induced power-law gaps in an insulator-metal Mott transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 11198-11202	11.5	10
71	Sr <sub>3</sub> Ir <sub>2</sub> O <sub>7</sub> F <sub>2</sub> : Topochemical conversion of a relativistic Mott state into a spin-orbit driven band insulator. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2
70	Carrier density control of magnetism and Berry phases in doped EuTiO <sub>3</sub> . <i>APL Materials</i> , <b>2018</b> , 6, 056105	5.7	18
69	A charge density wave-like instability in a doped spin-orbit-assisted weak Mott insulator. <i>Nature Materials</i> , <b>2017</b> , 16, 200-203	27	35
68	Anomalous CDW ground state in Cu <sub>2</sub> Se: A wave-like fluctuation of the dc I-V curve near 50K. <i>Journal of Materials</i> , <b>2017</b> , 3, 150-157	6.7	2

67	A Simple Computational Proxy for Screening Magnetocaloric Compounds. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1613-1622	9.6	46
66	Active Crystal Growth Techniques for Quantum Materials. <i>Annual Review of Materials Research</i> , <b>2017</b> , 47, 153-174	12.8	8
65	Floating zone growth of $\delta$ -Na <sub>0.90</sub> MnO <sub>2</sub> single crystals. <i>Journal of Crystal Growth</i> , <b>2017</b> , 459, 203-208	1.6	4
64	Low temperature thermoelectric properties of p-type copper selenide with Ni, Te and Zn dopants. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 699, 718-721	5.7	13
63	Experimental determination of phonon thermal conductivity and Lorenz ratio of single-crystal bismuth telluride. <i>MRS Communications</i> , <b>2017</b> , 7, 922-927	2.7	2
62	Manipulation of ionized impurity scattering for achieving high thermoelectric performance in n-type MgSb-based materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 10548-10553	11.5	183
61	Infrared probe of pseudogap in electron-doped SrIrO. <i>Scientific Reports</i> , <b>2017</b> , 7, 10494	4.9	6
60	Doping-driven structural distortion in the bilayer iridate (Sr <sub>1-x</sub> Lax)3Ir2O7. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	7
59	Spectral weight suppression near a metal-insulator transition in a double-layer electron-doped iridate. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	4
58	Influence of hydrostatic pressure on the bulk magnetic properties of Eu2Ir2O7. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	13
57	Structural investigation of the bilayer iridate Sr3Ir2O7. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	27
56	Strain-activated structural anisotropy in BaFe2As2. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	2
55	Observation of metallic surface states in the strongly correlated Kitaev-Heisenberg candidate Na2IrO3. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	12
54	Structural evolution and electronic properties of (Sr <sub>1-x</sub> Cax)2IrO4+z spin-orbit-assisted insulators. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	9
53	Infrared Spectroscopic Evidences of Strong Electronic Correlations in (Sr <sub>1-x</sub> Lax)3Ir2O7. <i>Scientific Reports</i> , <b>2016</b> , 6, 32632	4.9	6
52	Disordered dimer state in electron-doped Sr3Ir2O7. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	15
51	Interface-Driven Ferromagnetism within the Quantum Wells of a Rare Earth Titanate Superlattice. <i>Physical Review Letters</i> , <b>2016</b> , 117, 037205	7.4	10
50	n-type thermoelectric material Mg <sub>2</sub> Sn <sub>0.75</sub> Ge <sub>0.25</sub> for high power generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 3269-74	11.5	152



49	First-Order Melting of a Weak Spin-Orbit Mott Insulator into a Correlated Metal. <i>Physical Review Letters</i> , <b>2015</b> , 114, 257203	7.4	34
48	Spectroscopic evidence for negative electronic compressibility in a quasi-three-dimensional spin-orbit correlated metal. <i>Nature Materials</i> , <b>2015</b> , 14, 577-82	27	35
47	Inelastic x-ray scattering measurements of phonon dispersion and lifetimes in PbTe <sub>1-x</sub> Se <sub>x</sub> alloys. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 375403	1.8	14
46	Influence of electron doping on the ground state of (Sr <sub>1-x</sub> La <sub>x</sub> ) <sub>2</sub> IrO <sub>4</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	66
45	Fermi arcs vs. Fermi pockets in electron-doped perovskite iridates. <i>Scientific Reports</i> , <b>2015</b> , 5, 8533	4.9	17
44	GaSb Thermophotovoltaic Cells Grown on GaAs Substrate Using the Interfacial Misfit Array Method. <i>Journal of Electronic Materials</i> , <b>2014</b> , 43, 902-908	1.9	15
43	Spin-correlated electronic state on the surface of a spin-orbit Mott system. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	11
42	Thermoelectric properties of CeAl <sub>3</sub> prepared by hot-press method. <i>Energy Conversion and Management</i> , <b>2014</b> , 87, 584-588	10.6	7
41	Complex structures of different CaFe <sub>2</sub> As <sub>2</sub> samples. <i>Scientific Reports</i> , <b>2014</b> , 4, 4120	4.9	37
40	Magnetism and magnetic order in the pyrochlore iridates in the insulator-to-metal crossover region. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 551, 012020	0.3	10
39	Short-range correlations in the magnetic ground state of Na <sub>1-x</sub> Ir <sub>x</sub> O <sub>2</sub> . <i>Physical Review Letters</i> , <b>2014</b> , 113, 247601	7.4	43
38	Evolution of antiferromagnetic susceptibility under uniaxial pressure in Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	21
37	Carrier localization and electronic phase separation in a doped spin-orbit-driven Mott phase in Sr <sub>1-x</sub> Ir <sub>x</sub> (1-x)Ru(x)O <sub>3</sub> . <i>Nature Communications</i> , <b>2014</b> , 5, 3377	17.4	34
36	Observation of Dirac node formation and mass acquisition in a topological crystalline insulator. <i>Science</i> , <b>2013</b> , 341, 1496-9	33.3	219
35	Magnetization and Hall effect studies on the pyrochlore iridate Nd <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	25
34	Imaging the evolution of metallic states in a correlated iridate. <i>Nature Materials</i> , <b>2013</b> , 12, 707-13	27	63
33	Lifetimes of antiferromagnetic magnons in two and three dimensions: experiment, theory, and numerics. <i>Physical Review Letters</i> , <b>2013</b> , 111, 017204	7.4	29
32	Neutron scattering study of correlated phase behavior in Sr <sub>2</sub> IrO <sub>4</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	76



31	Inelastic neutron scattering study of phonon density of states in nanostructured Si <sub>1-x</sub> Ge <sub>x</sub> thermoelectrics. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	6
30	Spin ordering and electronic texture in the bilayer iridate Sr <sub>3</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	39
29	Effect of uniaxial strain on the structural and magnetic phase transitions in BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review Letters</i> , <b>2012</b> , 108, 087001	7-4	85
28	Magnetic order in the pyrochlore iridates A <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> (A = Y, Yb). <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	74
27	Magnetic order and the electronic ground state in the pyrochlore iridate Nd <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	46
26	Ripple-modulated electronic structure of a 3D topological insulator. <i>Nature Communications</i> , <b>2012</b> , 3, 1158	17-4	27
25	Visualizing Landau levels of Dirac electrons in a one-dimensional potential. <i>Physical Review Letters</i> , <b>2012</b> , 109, 166407	7-4	26
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18	Universal magnetic and structural behaviors in the iron arsenides. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	30
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3	Spin-charge coupling in lightly doped Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	18
2	Twofold van Hove singularity and origin of charge order in topological kagome superconductor CsV <sub>3</sub> Sb <sub>5</sub> . <i>Nature Physics</i> ,	16.2	16
1	Rotation symmetry breaking in the normal state of a kagome superconductor KV <sub>3</sub> Sb <sub>5</sub> . <i>Nature Physics</i> ,	16.2	7