

# Stephen D Wilson

## List of Publications by Citations

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156  
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177  
ext. papers

5,491  
ext. citations

6.8  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
156	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
155	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
154	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
153	Direct observation of broken time-reversal symmetry on the surface of a magnetically doped topological insulator. <i>Physical Review Letters</i> , <b>2011</b> , 106, 206805	7.4	126
152	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
151	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
150	Resonance in the electron-doped high-transition-temperature superconductor Pr <sub>0.88</sub> LaCe <sub>0.12</sub> CuO <sub>4-δ</sub> . <i>Nature</i> , <b>2006</b> , 442, 59-62	50.4	100
149	Neutron diffraction study of the magnetic and structural phase transitions in BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	97
148	Giant, unconventional anomalous Hall effect in the metallic frustrated magnet candidate, KV <sub>3</sub> Sb <sub>5</sub> . <i>Science Advances</i> , <b>2020</b> , 6, eabb6003	14.3	97
147	Unconventional chiral charge order in kagome superconductor KV <sub>3</sub> Sb <sub>5</sub> . <i>Nature Materials</i> , <b>2021</b> , 20, 1353-1357	13.7	86
146	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
145	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
144	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
143	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
142	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
141	Imaging the evolution of metallic states in a correlated iridate. <i>Nature Materials</i> , <b>2013</b> , 12, 707-13	27	63
140	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

139	Phase diagram of the PrFeAsO <sub>1-x</sub> F <sub>x</sub> superconductor. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	53
138	Heat capacity study of BaFe <sub>2</sub> As <sub>2</sub> : Effects of annealing. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	52
137	Switchable Plasmonic Dielectric Resonators with Metal-Insulator Transitions. <i>ACS Photonics</i> , <b>2018</b> , 5, 371-377	6-3	50
136	High-energy spin excitations in the electron-doped superconductor Pr(0.88)LaCe(0.12)CuO(4- $\delta$ ) with T(c) = 21 K. <i>Physical Review Letters</i> , <b>2006</b> , 96, 157001	7-4	50
135	Cascade of correlated electron states in the kagome superconductor CsVSb. <i>Nature</i> , <b>2021</b> , 599, 216-221	50-4	48
134	A Simple Computational Proxy for Screening Magnetocaloric Compounds. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1613-1622	9-6	46
133	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
132	Short-range correlations in the magnetic ground state of Na <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review Letters</i> , <b>2014</b> , 113, 247601	7-4	43
131	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
130	Absence of local moments in the kagome metal KV <sub>3</sub> Sb <sub>5</sub> determined by muon spin spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,	1-8	39
129	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
128	Evolution of low-energy spin dynamics in the electron-doped high-transition-temperature superconductor Pr <sub>0.88</sub> LaCe <sub>0.12</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	36
127	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	2-7	35
126	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	2-7	35
125	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
124	Carrier localization and electronic phase separation in a doped spin-orbit-driven Mott phase in Sr <sub>2</sub> (Ir(1-x)Ru(x)) <sub>2</sub> O <sub>7</sub> . <i>Nature Communications</i> , <b>2014</b> , 5, 3377	17-4	34
123	Pressure-induced double superconducting domes and charge instability in the kagome metal KV <sub>3</sub> Sb <sub>5</sub> . <i>Physical Review B</i> , <b>2021</b> , 103,	3-3	33
122	Universal magnetic and structural behaviors in the iron arsenides. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	30

121	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
120	Nodeless superconductivity in the kagome metal CsV3Sb5. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1	3.6	29
119	Structural investigation of the bilayer iridate Sr3Ir2O7. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	27
118	Ripple-modulated electronic structure of a 3D topological insulator. <i>Nature Communications</i> , <b>2012</b> , 3, 1158	17.4	27
117	Magnetoentropic signatures of skyrmionic phase behavior in FeGe. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	26
116	Visualizing Landau levels of Dirac electrons in a one-dimensional potential. <i>Physical Review Letters</i> , <b>2012</b> , 109, 166407	7.4	26
115	Magnetization and Hall effect studies on the pyrochlore iridate Nd2Ir2O7. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	25
114	Quantum critical scaling and the origin of non-fermi-liquid behavior in Sc1-xUxPd3. <i>Physical Review Letters</i> , <b>2005</b> , 94, 056402	7.4	23
113	Unidirectional spin density wave state in metallic (SrLa)IrO. <i>Nature Communications</i> , <b>2018</b> , 9, 103	17.4	22
112	Intrinsic nature of chiral charge order in the kagome superconductor RbV3Sb5. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	22
111	Evolution of antiferromagnetic susceptibility under uniaxial pressure in Ba(Fe1-xCox)2As2. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	21
110	Electron-spin excitation coupling in an electron-doped copper oxide superconductor. <i>Nature Physics</i> , <b>2011</b> , 7, 719-724	16.2	21
109	Fermi Surface Mapping and the Nature of Charge-Density-Wave Order in the Kagome Superconductor CsV3Sb5. <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	20
108	Magnetic fluctuations in n-type high-Tc superconductors reveal breakdown of fermiology: Experiments and Fermi-liquid/RPA calculations. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	19
107	Spin-charge coupling in lightly doped Nd2-xCexCuO4. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	18
106	Carrier density control of magnetism and Berry phases in doped EuTiO3. <i>APL Materials</i> , <b>2018</b> , 6, 056105	5.7	18
105	Fermi arcs vs. Fermi pockets in electron-doped perovskite iridates. <i>Scientific Reports</i> , <b>2015</b> , 5, 8533	4.9	17
104	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

103	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
102	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
101	Disordered dimer state in electron-doped Sr <sub>3</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	15
100	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
99	Quantum spin correlations through the superconducting-to-normal phase transition in electron-doped superconducting Pr <sub>0.88</sub> LaCe <sub>0.12</sub> CuO <sub>4-δ</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 15259-63	11.5	15
98	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
97	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
96	Antiferromagnetic critical fluctuations in BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	14
95	Core-level and valence-band study using angle-integrated photoemission on LaFeAsO <sub>0.9</sub> F <sub>0.1</sub> . <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	14
94	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
93	Spin-orbit excitons in CoO. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	13
92	Spin excitations in the frustrated triangular lattice antiferromagnet NaYbO <sub>2</sub> . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	13
91	Influence of hydrostatic pressure on the bulk magnetic properties of Eu <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	13
90	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
89	Observation of metallic surface states in the strongly correlated Kitaev-Heisenberg candidate Na <sub>2</sub> IrO <sub>3</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	12
88	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
87	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
86	Amplitude mode in the planar triangular antiferromagnet NaMnO. <i>Nature Communications</i> , <b>2018</b> , 9, 21887.4	7.4	11

85	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
84	Neutron scattering study of magnetic phase separation in nanocrystalline $\text{La}_{5/8}\text{Ca}_{3/8}\text{MnO}_3$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	11
83	Structural evolution and skyrmionic phase diagram of the lacunar spinel $\text{GaMo}_4\text{Se}_8$ . <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	11
82	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
81	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
80	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
79	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
78	Low-energy optical properties of the nonmagnetic kagome metal $\text{CsV}_3\text{Sb}_5$ . <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	10
77	High-pressure laser floating zone furnace. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 043906	1.7	9
76	Dimensional crossover in a layered ferromagnet detected by spin correlation driven distortions. <i>Nature Communications</i> , <b>2019</b> , 10, 1654	17.4	9
75	Structural evolution and electronic properties of $(\text{Sr}_{1-x}\text{Ca}_x)_2\text{IrO}_{4+z}$ spin-orbit-assisted insulators. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	9
74	Optical detection of the density-wave instability in the kagome metal $\text{KV}_3\text{Sb}_5$ . <i>Npj Quantum Materials</i> , <b>2022</b> , 7,	5	9
73	Thermal evolution of quasi-one-dimensional spin correlations within the anisotropic triangular lattice of $\text{LaMnO}_2$ . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	9
72	Active Crystal Growth Techniques for Quantum Materials. <i>Annual Review of Materials Research</i> , <b>2017</b> , 47, 153-174	12.8	8
71	Controlling Dzyaloshinskii-Moriya interactions in the skyrmion host candidates $\text{FePd}_{1-x}\text{Pt}_x\text{Mo}_3\text{N}$ . <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	8
70	Topological surface states and flat bands in the kagome superconductor $\text{CsV}_3\text{Sb}_5$ . <i>Science Bulletin</i> , <b>2021</b> ,	10.6	8
69	Geometry of the charge density wave in the kagome metal $\text{AV}_3\text{Sb}_5$ . <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	8
68	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

67	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
66	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
65	Doping-driven structural distortion in the bilayer iridate (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>2017</b> , 95,	3.3	7
64	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
63	Three-Magnon Bound State in the Quasi-One-Dimensional Antiferromagnet $\Theta$ NaMnO <sub>2</sub> . <i>Physical Review Letters</i> , <b>2020</b> , 124, 197203	7.4	6
62	Infrared Spectroscopic Evidences of Strong Electronic Correlations in (Sr <sub>1-x</sub> La <sub>x</sub> ) <sub>3</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Scientific Reports</i> , <b>2016</b> , 6, 32632	4.9	6
61	Doping induced Mott collapse and possible density wave instabilities in (Sr <sub>1-x</sub> La <sub>x</sub> ) <sub>3</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Npj Quantum Materials</i> , <b>2019</b> , 4,	5	6
60	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
59	Infrared probe of pseudogap in electron-doped SrIrO. <i>Scientific Reports</i> , <b>2017</b> , 7, 10494	4.9	6
58	Inelastic neutron scattering study of phonon density of states in nanostructured Si <sub>1-x</sub> Gex thermoelectrics. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	6
57	Evolution of noncollinear magnetism in magnetocaloric MnPtGa. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	6
56	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
55	Heat capacity of Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> , x=0 and 0.41. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 273, 012103	0.3	5
54	X-ray Absorption and Emission Spectroscopy Study of the Effect of Doping on the Low Energy Electronic Structure of PrFeAsO <sub>1-x</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 074716	1.5	5
53	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
52	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
51	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
50	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

49	Floating zone growth of $\text{Na}_{0.90}\text{MnO}_2$ single crystals. <i>Journal of Crystal Growth</i> , <b>2017</b> , 459, 203-208	1.6	4
48	Polarized Raman spectroscopy study of metallic $(\text{Sr}_{1-x}\text{La}_x)\text{Ir}_2\text{O}_7$ : A consistent picture of disorder-interrupted unidirectional charge order. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	4
47	Evolution of structure and magnetism across the metal-insulator transition in the pyrochlore iridate $(\text{Nd}_{1-x}\text{Ca}_x)_2\text{Ir}_2\text{O}_7$ . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	4
46	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
45	Frustrated Heisenberg $J_1J_2$ model within the stretched diamond lattice of $\text{LiYbO}_2$ . <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	4
44	Bulk superconductivity in $\text{FeTe}_{1-x}\text{Sex}$ via physicochemical pumping of excess iron. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	3
43	Strain-sensitive superconductivity in the kagome metals $\text{KV}_3\text{Sb}_5$ and $\text{CsV}_3\text{Sb}_5$ probed by point-contact spectroscopy. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	3
42	Magnetic fluctuations and the spin-orbit interaction in Mott insulating $\text{CoO}$ . <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 374011	1.8	3
41	Unconventional Hund metal in a weak itinerant ferromagnet. <i>Nature Communications</i> , <b>2020</b> , 11, 3076	17.4	3
40	Magnetoelastic coupling to coherent acoustic phonon modes in the ferrimagnetic insulator $\text{GdTiO}_3$ . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	3
39	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
38	Anomalous CDW ground state in $\text{Cu}_2\text{Se}$ : 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
37	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
36	Overdamped Antiferromagnetic Strange Metal State in $\text{Sr}_3\text{IrRuO}_7$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 157201	7.4	2
35	Monopole-limited nucleation of magnetism in $\text{Eu}_2\text{Ir}_2\text{O}_7$ . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
34	Doping-dependent correlation effects in $(\text{Sr}_{1-x}\text{La}_x)_3\text{Ir}_2\text{O}_7$ . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	2
33	Strain-activated structural anisotropy in $\text{BaFe}_2\text{As}_2$ . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	2
32	Magnetically driven band shift and metal-insulator transition in spin-orbit-coupled $\text{Sr}_3(\text{Ir}_{1-x}\text{Ru}_x)_2\text{O}_7$ . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2

31	Zn-induced spin dynamics in overdoped $\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-y}\text{Zn}_y\text{O}_4$ . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	2
30	Evolution of superconductivity and charge order in pressurized $\text{RbV}_3\text{Sb}_5$ . <i>Chinese Physics B</i> , <b>2022</b> , 31, 017404	1.2	2
29	Van Vleck excitons in $\text{Ca}_2\text{RuO}_4$ . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
28	Controlled vapor crystal growth of $\text{Na}_4\text{Ir}_3\text{O}_8$ : A three-dimensional quantum spin liquid candidate. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	2
27	Correlating magnetic structure and magnetotransport in semimetal thin films of $\text{Eu Sm TiO}$ . <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	2
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23	Antiferromagnetism and crystalline electric field excitations in tetragonal $\text{NaCeO}_2$ . <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
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21	Realizing Kagome Band Structure in Two-Dimensional Kagome Surface States of $\text{RV}_{\{6\}}\text{Sn}_{\{6\}}$ ( $\text{R}=\text{Gd, Ho}$ ).. <i>Physical Review Letters</i> , <b>2021</b> , 127, 266401	7.4	2
20	Rich nature of Van Hove singularities in Kagome superconductor $\text{CsVSb}$ .. <i>Nature Communications</i> , <b>2022</b> , 13, 2220	17.4	2
19	Robust metastable skyrmions with tunable size in the chiral magnet $\text{FePtMo}_3\text{N}$ . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	1
18	Octahedral tilt independent magnetism in confined $\text{GdTiO}_3$ films. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 132407	3.4	1
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12	Evaluating the effects of structural disorder on the magnetic properties of Nd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> . <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	1
11	Magnetic properties and signatures of moment ordering in the triangular lattice antiferromagnet KCeO <sub>2</sub> . <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	1
10	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
9	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
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