

# Jiaqiang Q Yan

## List of Publications by Citations

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260 papers	17,554 citations	60 h-index	128 g-index
284 ext. papers	21,405 ext. citations	8 avg, IF	6.69 L-index

#	Paper	IF	Citations
260	Electrically tunable excitonic light-emitting diodes based on monolayer WSe <sub>2</sub> p-n junctions. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 268-72	28.7	1202
259	Electrical control of neutral and charged excitons in a monolayer semiconductor. <i>Nature Communications</i> , <b>2013</b> , 4, 1474	17.4	1007
258	Optical generation of excitonic valley coherence in monolayer WSe <sub>2</sub> . <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 634-8	28.7	1001
257	Observation of long-lived interlayer excitons in monolayer MoSe <sub>2</sub> -WSe <sub>2</sub> heterostructures. <i>Nature Communications</i> , <b>2015</b> , 6, 6242	17.4	896
256	Monolayer semiconductor nanocavity lasers with ultralow thresholds. <i>Nature</i> , <b>2015</b> , 520, 69-72	50.4	545
255	Magnetic control of valley pseudospin in monolayer WSe <sub>2</sub> . <i>Nature Physics</i> , <b>2015</b> , 11, 148-152	16.2	529
254	Proximate Kitaev quantum spin liquid behaviour in a honeycomb magnet. <i>Nature Materials</i> , <b>2016</b> , 15, 733-40	27	524
253	Signatures of moiré-trapped valley excitons in MoSe <sub>2</sub> /WSe <sub>2</sub> heterobilayers. <i>Nature</i> , <b>2019</b> , 567, 66-70	50.4	486
252	Effects of Co substitution on thermodynamic and transport properties and anisotropic Hc <sub>2</sub> in Ba(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> single crystals. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	483
251	Valley-polarized exciton dynamics in a 2D semiconductor heterostructure. <i>Science</i> , <b>2016</b> , 351, 688-91	33.3	451
250	Spectroscopic evidence for a type II Weyl semimetallic state in MoTe <sub>2</sub> . <i>Nature Materials</i> , <b>2016</b> , 15, 1155-1160	36.0	372
249	High mobility WSe <sub>2</sub> p- and n-type field-effect transistors contacted by highly doped graphene for low-resistance contacts. <i>Nano Letters</i> , <b>2014</b> , 14, 3594-601	11.5	341
248	Neutron scattering in the proximate quantum spin liquid $\eta$ -RuCl <sub>3</sub> . <i>Science</i> , <b>2017</b> , 356, 1055-1059	33.3	317
247	Electrical control of second-harmonic generation in a WSe <sub>2</sub> monolayer transistor. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 407-11	28.7	300
246	Oxygen stoichiometry, ferromagnetism, and transport properties of La <sub>2-x</sub> NiMnO <sub>6+y</sub> . <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	286
245	Ferroelectric switching of a two-dimensional metal. <i>Nature</i> , <b>2018</b> , 560, 336-339	50.4	280
244	Low-Resistance 2D/2D Ohmic Contacts: A Universal Approach to High-Performance WSe <sub>2</sub> , MoS <sub>2</sub> , and MoSe <sub>2</sub> Transistors. <i>Nano Letters</i> , <b>2016</b> , 16, 1896-902	11.5	266

243	Spin-layer locking effects in optical orientation of exciton spin in bilayer WSe <sub>2</sub> . <i>Nature Physics</i> , <b>2014</b> , 10, 130-134	16.2	243
242	Similarities between structural distortions under pressure and chemical doping in superconducting BaFe <sub>2</sub> As <sub>2</sub> . <i>Nature Materials</i> , <b>2009</b> , 8, 471-5	27	243
241	Interlayer Exciton Optoelectronics in a 2D Heterostructure p-n Junction. <i>Nano Letters</i> , <b>2017</b> , 17, 638-643	11.5	193
240	Flexible metallic nanowires with self-adaptive contacts to semiconducting transition-metal dichalcogenide monolayers. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 436-42	28.7	185
239	Low-temperature crystal and magnetic structure of $\text{HfRuCl}_3$ . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	174
238	Ultrathin nanosheets of CrSiTe <sub>3</sub> : a semiconducting two-dimensional ferromagnetic material. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 315-322	7.1	171
237	Bond-length fluctuations and the spin-state transition in LCoO <sub>3</sub> (L=La, Pr, and Nd). <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	164
236	Dome-shaped magnetic order competing with high-temperature superconductivity at high pressures in FeSe. <i>Nature Communications</i> , <b>2016</b> , 7, 12146	17.4	161
235	Excitations in the field-induced quantum spin liquid state of $\text{Hf-RuCl}_3$ . <i>Npj Quantum Materials</i> , <b>2018</b> , 3,	5	160
234	Structural transition and anisotropic properties of single-crystalline SrFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	158
233	Linear temperature dependence of resistivity and change in the Fermi surface at the pseudogap critical point of a high-T <sub>c</sub> superconductor. <i>Nature Physics</i> , <b>2009</b> , 5, 31-34	16.2	151
232	Mobility improvement and temperature dependence in MoSe <sub>2</sub> field-effect transistors on parylene-C substrate. <i>ACS Nano</i> , <b>2014</b> , 8, 5079-88	16.7	146
231	Unconventional London penetration depth in single-crystal Ba(Fe <sub>0.93</sub> Co <sub>0.07</sub> ) <sub>2</sub> As <sub>2</sub> superconductors. <i>Physical Review Letters</i> , <b>2009</b> , 102, 127004	7.4	144
230	Strong spin-lattice coupling in CrSiTe <sub>3</sub> . <i>APL Materials</i> , <b>2015</b> , 3, 041515	5.7	142
229	Crystal growth and magnetic structure of MnBi <sub>2</sub> Te <sub>4</sub> . <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	140
228	Excitonic luminescence upconversion in a two-dimensional semiconductor. <i>Nature Physics</i> , <b>2016</b> , 12, 323-327	32.7	135
227	Ferromagnetism in LaCoO <sub>3</sub> . <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	129
226	Trion formation dynamics in monolayer transition metal dichalcogenides. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	127

- 225 Control of two-dimensional excitonic light emission via photonic crystal. *2D Materials*, **2014**, 1, 011001 5.9 124
- 224 Anisotropic magnetotransport and exotic longitudinal linear magnetoresistance in WTe<sub>2</sub> crystals. *Physical Review B*, **2015**, 92, 035411 3.3 124
- 223 Enhancement of the Nernst effect by stripe order in a high-T(c) superconductor. *Nature*, **2009**, 458, 743-746 50.4 117
- 222 Imaging exciton-polariton transport in MoSe<sub>2</sub> waveguides. *Nature Photonics*, **2017**, 11, 356-360 33.9 115
- 221 Femtosecond switching of magnetism via strongly correlated spin-charge quantum excitations. *Nature*, **2013**, 496, 69-73 50.4 114
- 220 Intrinsic structural distortion and superexchange interaction in the orthorhombic rare-earth perovskites RCrO<sub>3</sub>. *Physical Review B*, **2010**, 81, 041101 3.3 94
- 219 Coherent Electronic Coupling in Atomically Thin MoSe<sub>2</sub>. *Physical Review Letters*, **2014**, 112, 076801 7.4 88
- 218 Magnetic correlations in the quasi-two-dimensional semiconducting ferromagnet CrSiTe<sub>3</sub>. *Physical Review B*, **2015**, 92, 040401 3.3 87
- 217 Magnetic phase transition in single crystals of the chiral helimagnet Cr<sub>1/3</sub>NbS<sub>2</sub>. *Physical Review B*, **2013**, 87, 040401 3.3 86
- 216 Bulk modulus anomaly in RCoO<sub>3</sub> (R=La, Pr, and Nd). *Physical Review B*, **2005**, 71, 040401 3.3 80
- 215 Directional interlayer spin-valley transfer in two-dimensional heterostructures. *Nature Communications*, **2016**, 7, 13747 17.4 80
- 214 High-Performance WSe Phototransistors with 2D/2D Ohmic Contacts. *Nano Letters*, **2018**, 18, 2766-2771 11.5 79
- 213 Evolution of structural, magnetic, and transport properties in MnBi<sub>2</sub>SbTe<sub>4</sub>. *Physical Review B*, **2019**, 100, 040401 3.3 77
- 212 A parity-breaking electronic nematic phase transition in the spin-orbit coupled metal CdReO<sub>3</sub>. *Science*, **2017**, 356, 295-299 33.3 76
- 211 Flux growth at ambient pressure of millimeter-sized single crystals of LaFeAsO, LaFeAsO<sub>1-x</sub>F<sub>x</sub>, and LaFe<sub>1-x</sub>CoxAsO. *Applied Physics Letters*, **2009**, 95, 222504 3.4 75
- 210 Gapless Dirac surface states in the antiferromagnetic topological insulator MnBi<sub>2</sub>Te<sub>4</sub>. *Physical Review B*, **2020**, 101, 040401 3.3 70
- 209 LSGM-Based Solid Oxide Fuel Cell with 1.4 W/cm<sup>2</sup> Power Density and 30 Day Long-Term Stability. *Journal of the Electrochemical Society*, **2005**, 152, A1511 3.9 68
- 208 Single-crystal high entropy perovskite oxide epitaxial films. *Physical Review Materials*, **2018**, 2, 034401 3.2 68

207	Long-Range Antiferromagnetic Order in a Rocksalt High Entropy Oxide. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3705-3711	9.6	66
206	Unusual Exciton-Phonon Interactions at van der Waals Engineered Interfaces. <i>Nano Letters</i> , <b>2017</b> , 17, 1194-1199	11.5	63
205	Magnetism and electronic structure of La <sub>2</sub> ZnIrO <sub>6</sub> and La <sub>2</sub> MgIrO <sub>6</sub> : Candidate Jeff=12 Mott insulators. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	63
204	Antiferromagnetic Resonance and Terahertz Continuum in $\square$ -RuCl <sub>3</sub> . <i>Physical Review Letters</i> , <b>2017</b> , 119, 227201	7.4	62
203	NMR search for the spin nematic state in a LaFeAsO single crystal. <i>Physical Review Letters</i> , <b>2012</b> , 109, 247001	7.4	62
202	The emergent field of high entropy oxides: Design, prospects, challenges, and opportunities for tailoring material properties. <i>APL Materials</i> , <b>2020</b> , 8, 040912	5.7	62
201	Pseudogap temperature T* of cuprate superconductors from the Nernst effect. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	60
200	Magnetic coupling between Sm <sup>3+</sup> and the canted spin in an antiferromagnetic SmFeO <sub>3</sub> single crystal. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	57
199	Valley phonons and exciton complexes in a monolayer semiconductor. <i>Nature Communications</i> , <b>2020</b> , 11, 618	17.4	55
198	Twisting phonons in complex crystals with quasi-one-dimensional substructures. <i>Nature Communications</i> , <b>2015</b> , 6, 6723	17.4	52
197	Origin of the phase transition in IrTe <sub>2</sub> : Structural modulation and local bonding instability. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	51
196	High-T <sub>c</sub> Superconductivity in FeSe at High Pressure: Dominant Hole Carriers and Enhanced Spin Fluctuations. <i>Physical Review Letters</i> , <b>2017</b> , 118, 147004	7.4	51
195	Atomic-scale observation of structural and electronic orders in the layered compound $\square$ -RuCl <sub>3</sub> . <i>Nature Communications</i> , <b>2016</b> , 7, 13774	17.4	50
194	Nature of Ho magnetism in multiferroic HoMnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2008</b> , 100, 217201	7.4	49
193	Unusually strong orbit-lattice interactions in the RVO <sub>3</sub> perovskites. <i>Physical Review Letters</i> , <b>2004</b> , 93, 235901	7.4	49
192	Atomically resolved spectroscopic study of Sr <sub>2</sub> IrO <sub>4</sub> : experiment and theory. <i>Scientific Reports</i> , <b>2013</b> , 3, 3073	4.9	48
191	Finite field regime for a quantum spin liquid in $\square$ -RuCl <sub>3</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	46
190	Interplay of Fe and Nd magnetism in NdFeAsO single crystals. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	46

- 189 Unconventional spin dynamics in the honeycomb-lattice material  $\text{HfRuCl}_3$ : High-field electron spin resonance studies. *Physical Review B*, **2017**, 96, 3-3 44
- 188 Ruthenium double perovskites: Transport and magnetic properties. *Physical Review B*, **2004**, 69, 3-3 44
- 187 Spin-orbit-driven magnetic structure and excitation in the 5d pyrochlore  $\text{Cd}_2\text{Os}_2\text{O}_7$ . *Nature Communications*, **2016**, 7, 11651 17.4 44
- 186 Chiral anomaly and ultrahigh mobility in crystalline  $\text{HfTe}_5$ . *Physical Review B*, **2016**, 93, 3-3 43
- 185 Electron scattering, charge order, and pseudogap physics in  $\text{La}_{1.6}\text{Nd}_{0.4}\text{Sr}_x\text{CuO}_4$ : An angle-resolved photoemission spectroscopy study. *Physical Review B*, **2015**, 92, 3-3 43
- 184 Superexchange interaction in orbitally fluctuating  $\text{RVO}_3$ . *Physical Review Letters*, **2007**, 99, 156401 7.4 43
- 183 Frustration by competing interactions in the highly distorted double perovskites  $\text{La}_2\text{NaB}_2\text{O}_6$  ( $\text{B}=\text{Ru}, \text{Os}$ ). *Physical Review B*, **2013**, 87, 3-3 42
- 182 Bipolar Conduction as the Possible Origin of the Electronic Transition in Pentatellurides: Metallic vs Semiconducting Behavior. *Physical Review X*, **2018**, 8, 9.1 41
- 181 A-type antiferromagnetic order in  $\text{MnBi}_4\text{Te}_7$  and  $\text{MnBi}_6\text{Te}_{10}$  single crystals. *Physical Review Materials*, **2020**, 4, 3.2 39
- 180 Competing Magnetic Interactions in the Antiferromagnetic Topological Insulator  $\text{MnBi}_2\text{Te}_4$ . *Physical Review Letters*, **2020**, 124, 167204 7.4 38
- 179 Anisotropic susceptibilities in the honeycomb Kitaev system  $\text{HfRuCl}_3$ . *Physical Review B*, **2018**, 98, 3-3 37
- 178 Stabilization of charge ordering in  $\text{La}_{1/3}\text{Sr}_{2/3}\text{FeO}_{3-\delta}$  by magnetic exchange. *Physical Review Letters*, **2007**, 98, 126402 7.4 36
- 177 Proximity-induced superconducting gap in the quantum spin Hall edge state of monolayer  $\text{WTe}_2$ . *Nature Physics*, **2020**, 16, 526-530 16.2 35
- 176 Enhanced spin-phonon-electronic coupling in a 5d oxide. *Nature Communications*, **2015**, 6, 8916 17.4 35
- 175 Structural phase transition and superlattice misfit strain of  $\text{RFeAsO}$  ( $\text{R}=\text{La}, \text{Pr}, \text{Nd}, \text{Sm}$ ). *Physical Review B*, **2010**, 82, 3-3 35
- 174 High pressure floating zone growth and structural properties of ferrimagnetic quantum paraelectric  $\text{BaFe}_{12}\text{O}_{19}$ . *APL Materials*, **2015**, 3, 062512 5.7 34
- 173 High antiferromagnetic transition temperature of the honeycomb compound  $\text{SrRu}_2\text{O}_6$ . *Physical Review B*, **2015**, 92, 3-3 33
- 172 Surface-driven electronic structure in  $\text{LaFeAsO}$  studied by angle-resolved photoemission spectroscopy. *Physical Review B*, **2010**, 82, 3-3 33

171	Thermopower across the stripe critical point of $\text{La}_{1.6-x}\text{Nd}_{0.4}\text{Sr}_x\text{CuO}_4$ : Evidence for a quantum critical point in a hole-doped high- $T_c$ superconductor. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	33
170	The effect of chemical pressure on the structure and properties of $\text{A}_2\text{CrOsO}_6$ (A=Sr, Ca) ferrimagnetic double perovskite. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 238, 46-52	3.3	32
169	Phase transitions and iron-ordered moment form factor in $\text{LaFeAsO}$ . <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	32
168	Field evolution of magnons in $\text{BiFeCl}_3$ by high-resolution polarized terahertz spectroscopy. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	32
167	Discovery of log-periodic oscillations in ultraquantum topological materials. <i>Science Advances</i> , <b>2018</b> , 4, eaau5096	14.3	32
166	Bond competition and phase evolution on the $\text{IrTe}_2$ surface. <i>Nature Communications</i> , <b>2014</b> , 5, 5358	17.4	31
165	Intrinsic axion insulating behavior in antiferromagnetic $\text{MnBi}_6\text{Te}_{10}$ . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	30
164	Antisite Pairs Suppress the Thermal Conductivity of BAs. <i>Physical Review Letters</i> , <b>2018</b> , 121, 105901	7.4	29
163	Many-body effects in nonlinear optical responses of 2D layered semiconductors. <i>2D Materials</i> , <b>2017</b> , 4, 025024	5.9	28
162	Antiferromagnetism in the van der Waals layered spin-lozenge semiconductor $\text{CrTe}_3$ . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	28
161	Orbital fluctuations and orbital flipping in $\text{RVO}_3$ perovskites. <i>Physical Review Letters</i> , <b>2007</b> , 99, 197201	7.4	28
160	Opposing spin-canting mechanism in single-crystal $\text{LuVO}_3$ and $\text{YVO}_3$ . <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	28
159	High-temperature magnetostructural transition in van der Waals-layered $\text{BiFeCl}_3$ . <i>Physical Review Materials</i> , <b>2017</b> , 1,	3.2	28
158	Pressure dependence of the magnetic ground states in $\text{MnP}$ . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	27
157	Neutron-scattering measurements of spin excitations in $\text{LaFeAsO}$ and $\text{Ba}(\text{Fe}(\text{0.953})\text{Co}(\text{0.047}))(\text{2})\text{As}(\text{2})$ : evidence for a sharp enhancement of spin fluctuations by nematic order. <i>Physical Review Letters</i> , <b>2015</b> , 114, 057001	7.4	26
156	Coexistence of Surface Ferromagnetism and a Gapless Topological State in $\text{MnBi}_{-2}\text{Te}_{-4}$ . <i>Physical Review Letters</i> , <b>2020</b> , 125, 117205	7.4	26
155	Intertwined Topological and Magnetic Orders in Atomically Thin Chern Insulator $\text{MnBiTe}$ . <i>Nano Letters</i> , <b>2021</b> , 21, 2544-2550	11.5	26
154	Tuning Fermi Levels in Intrinsic Antiferromagnetic Topological Insulators $\text{MnBi}_2\text{Te}_4$ and $\text{MnBi}_4\text{Te}_7$ by Defect Engineering and Chemical Doping. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2006516	15.6	26

153	Robust A-Type Order and Spin-Flop Transition on the Surface of the Antiferromagnetic Topological Insulator $\text{MnBi}_{1-x}\text{Te}_x$ . <i>Physical Review Letters</i> , <b>2020</b> , 125, 037201	7.4	25
152	Evidence for charge transfer and proximate magnetism in graphene/ $\text{Bi}_2\text{Se}_3$ heterostructures. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	24
151	Disorder from order among anisotropic next-nearest-neighbor Ising spin chains in $\text{SrHo}_2\text{O}_4$ . <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	24
150	Destabilization of Magnetic Order in a Dilute Kitaev Spin Liquid Candidate. <i>Physical Review Letters</i> , <b>2017</b> , 119, 237203	7.4	24
149	Effects of chemical pressure on the magnetic ground states of the osmate double perovskites $\text{SrCaCoOsO}_6$ and $\text{Ca}_2\text{CoOsO}_6$ . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	24
148	Flux growth in a horizontal configuration: An analog to vapor transport growth. <i>Physical Review Materials</i> , <b>2017</b> , 1,	3.2	24
147	Boron arsenide phonon dispersion from inelastic x-ray scattering: Potential for ultrahigh thermal conductivity. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	24
146	Magnetic Imaging of Domain Walls in the Antiferromagnetic Topological Insulator $\text{MnBiTe}_2$ . <i>Nano Letters</i> , <b>2020</b> , 20, 2609-2614	11.5	23
145	Slater Insulator in Iridate Perovskites with Strong Spin-Orbit Coupling. <i>Physical Review Letters</i> , <b>2016</b> , 117, 176603	7.4	23
144	Orbital hybridization in $\text{RVO}_3$ perovskites: A high-pressure study. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	23
143	Determination of the exchange anisotropy in perovskite antiferromagnets using powder inelastic neutron scattering. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	23
142	Thermal conductivity in the stripe-ordered phase of cuprates and nickelates. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	23
141	New Mechanism for Ferroelectricity in the Perovskite $\text{CaMnTiO}_3$ Synthesized by Spark Plasma Sintering. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2214-2220	16.4	22
140	Incommensurate antiferromagnetism in a pure spin system via cooperative organization of local and itinerant moments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 3287-92	11.5	22
139	Suppression of the antiferromagnetic metallic state in the pressurized $\text{MnBi}_2\text{Te}_4$ single crystal. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	22
138	Size-dependent magnetic properties of high oxygen content $\text{YMn}_2\text{O}_5$ -based multiferroic nanoparticles. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 033908	2.5	21
137	Population pulsation resonances of excitons in monolayer $\text{MoSe}_2$ with sub-1 eV linewidths. <i>Physical Review Letters</i> , <b>2015</b> , 114, 137402	7.4	20
136	Magnetic ordering in the frustrated $\text{J}_1\text{J}_2$ Ising chain candidate $\text{BaNd}_2\text{O}_4$ . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	20



135	Spin and orbital ordering in $\text{Y}_{1-x}\text{La}_x\text{VO}_3$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	20
134	One-Dimensional Edge Transport in Few-Layer WTe. <i>Nano Letters</i> , <b>2020</b> , 20, 4228-4233	11.5	19
133	Magnetic order and interactions in ferrimagnetic $\text{Mn}_3\text{Si}_2\text{Te}_6$ . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	18
132	Relaxation Dynamics of Zero-Field Skyrmions over a Wide Temperature Range. <i>Nano Letters</i> , <b>2018</b> , 18, 7777-7783	11.5	18
131	Magnetism out of antisite disorder in the $J=0$ compound $\text{Ba}_2\text{YIrO}_6$ . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	17
130	Retaining Large and Adjustable Elastic Strains of Kilogram-Scale Nb Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2917-22	9.5	17
129	Research Update: Magnetic phase diagram of $\text{EuTi}_{1-x}\text{B}_x\text{O}_3$ ( $B = \text{Zr}, \text{Nb}$ ). <i>APL Materials</i> , <b>2014</b> , 2, 110701	5.7	17
128	Structural and magnetic phase transitions in $\text{EuTi}_{1-x}\text{Nb}_x\text{O}_3$ . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	17
127	Complex itinerant ferromagnetism in noncentrosymmetric $\text{Cr}_{11}\text{Ge}_{19}$ . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	17
126	Two-dimensional magnetic interactions in $\text{LaFeAsO}$ . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	17
125	Magnetic structures and interplay between rare-earth Ce and Fe magnetism in single-crystal $\text{CeFeAsO}$ . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	17
124	Frustrated superexchange interaction versus orbital order in a $\text{LaVO}_3$ crystal. <i>Physical Review Letters</i> , <b>2008</b> , 100, 046401	7.4	17
123	Magnetic order in single crystals of $\text{Na}_3\text{Co}_2\text{SbO}_6$ with a honeycomb arrangement of $3d^7\text{Co}^{2+}$ ions. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	17
122	A practical guide for crystal growth of van der Waals layered materials. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 051101	2.5	17
121	Linear magnetoresistance in the low-field limit in density-wave materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11201-11206	11.5	16
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