Jiaqiang Q Yan

List of Publications by Year
in descending order

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280 papers	24,492 citations	14124 69 h-index	8878 150 g-index
284 all docs	284 docs citations	284 times ranked	23888 citing authors

#	Article	IF	Citations
1	Tuning the room temperature ferromagnetism in Fe₅GeTe₂ by arsenic substitution. 2D Materials, 2022, 9, 015013.	2.0	14
2	The Impact of Structural Distortions on the Magnetism of Double Perovskites Containing 5d¹ Transition-Metal Ions. Chemistry of Materials, 2022, 34, 1098-1109.	3.2	7
3	Giant doping response of magnetic anisotropy in MnTe. Physical Review Materials, 2022, 6, .	0.9	8
4	Role of the third dimension in searching for Majorana fermions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub>< via phonons. Physical Review Research, 2022, 4, .	1.3	14
5	Nanometer-Scale Lateral pâ€“n Junctions in Graphene/Î±-RuCl₃ Heterostructures. Nano Letters, 2022, 22, 1946-1953.	4.5	25
6	Electric control of a canted-antiferromagnetic Chern insulator. Nature Communications, 2022, 13, 1668.	5.8	37
7	Lattice and magnetic dynamics in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YVO</mml:mi><mml:mn>3</mml:mn></mml:msub></ Mott insulator studied by neutron scattering and first-principles calculations. Physical Review B, 2022, 105, .	1.1	1
8	Vapor transport growth of MnBi2Te4 and related compounds. Journal of Alloys and Compounds, 2022, 906, 164327.	2.8	16
9	Light-induced ferromagnetism in moirÃ© superlattices. Nature, 2022, 604, 468-473.	13.7	61
10	Evidence of a Phonon Hall Effect in the Kitaev Spin Liquid Candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mrow><mml:mi>RuCl</mml:mi>< Physical Review X, 2022, 12, .	2.8	37
11	Real-space visualization of short-range antiferromagnetic correlations in a magnetically enhanced thermoelectric. Matter, 2022, 5, 1853-1864.	5.0	11
12	Topological surface currents accessed through reversible hydrogenation of the three-dimensional bulk. Nature Communications, 2022, 13, 2308.	5.8	2
13	Magnons and magnetic fluctuations in atomically thin MnBi2Te4. Nature Communications, 2022, 13, 2527.	5.8	10
14	Perspectiveâ€“The Elusive Quantum Anomalous Hall Effect in MnBi₂Te₄: Materials. ECS Journal of Solid State Science and Technology, 2022, 11, 063007.	0.9	10
15	Temperature-induced valence-state transition in double perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mrow><mml:mn>2</mml: Physical Review Materials, 2022, 6, .	0.9	0
16	Critical-Element-Free Permanent-Magnet Materials Based on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Ce</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mi><mml:m mathvariant="normal">B</mml:mi></mml:mrow></mml:mrow></mml:math>. Physical Review Applied, 2022, 17, .	1.3	1
17	Quantum Spin Hall Edge States and Interlayer Coupling in Twisted Bilayer WTe₂. Nano Letters, 2022, 22, 5674-5680.	4.5	5
18	Tuning Fermi Levels in Intrinsic Antiferromagnetic Topological Insulators MnBi₂Te₄ and MnBi₄Te₇ by Defect Engineering and Chemical Doping. Advanced Functional Materials, 2021, 31, 2006516.	7.8	68

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19	Spin-phonon interactions in Quantum Spin Liquid Candidate Î±-RuCl3. , 2021, , .		0
20	Intrinsic donor-bound excitons in ultraclean monolayer semiconductors. Nature Communications, 2021, 12, 871.	5.8	29
21	Low-Temperature 2D/2D Ohmic Contacts in WSe₂ Field-Effect Transistors as a Platform for the 2D Metalâ€“Insulator Transition. ACS Applied Materials & Interfaces, 2021, 13, 10594-10602.	4.0	9
22	Intertwined Topological and Magnetic Orders in Atomically Thin Chern Insulator MnBi₂Te₄. Nano Letters, 2021, 21, 2544-2550.	4.5	92
23	Superconductivity in type-II Weyl-semimetal WTe2 induced by a normal metal contact. Journal of Applied Physics, 2021, 129, .	1.1	23
24	Tuning the flat bands of the kagome metal CoSn with Fe, In, or Ni doping. Physical Review Materials, 2021, 5, .	0.9	17
25	Direct visualization of anionic electrons in an electride reveals inhomogeneities. Science Advances, 2021, 7, .	4.7	24
26	Direct evidence of ferromagnetism in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">MnSb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Te</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 103, .	1.1	22
27	Thermopower across the phase diagram of the cuprate La1.6â^'xNd0.4SrxCuO4 : Signatures of the pseudogap and charge density wave phases. Physical Review B, 2021, 103, .	1.1	21
28	Magnetic ordering and structural distortion in a PrFeAsO single crystal studied by neutron and x-ray scattering. Physical Review B, 2021, 103, .	1.1	1
29	Induced anomalous Hall effect of massive Dirac fermions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Zr</mml:mi><mml:msub><mml:mi>Te</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Hf</mml:mi><mml:msub><mml:mi>Te</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> thin flakes. Physical Review B, 2021, 103, .	1.1	15
30	Field-induced intermediate ordered phase and anisotropic interlayer interactions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mi>RuCl</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	1.1	31
31	Defect-driven ferrimagnetism and hidden magnetization in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>MnBi</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 103, .	1.1	44
32	Quantum oscillations in the field-induced ferromagnetic state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mn</mml:mi><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	1.1	11
33	Oscillations of the thermal conductivity in the spin-liquid state of Î±-RuCl3. Nature Physics, 2021, 17, 915-919.	6.5	103
34	Site Mixing for Engineering Magnetic Topological Insulators. Physical Review X, 2021, 11, .	2.8	50
35	Accumulation-Type Ohmic van der Waals Contacts to Nearly Intrinsic WSe₂ Nanosheet-Based Channels: Implications for Field-Effect Transistors. ACS Applied Nano Materials, 2021, 4, 5598-5610.	2.4	5
36	Revealing the Chemical Bonding in Adatom Arrays via Machine Learning of Hyperspectral Scanning Tunneling Spectroscopy Data. ACS Nano, 2021, 15, 11806-11816.	7.3	13

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37	Bayesian Learning of Adatom Interactions from Atomically Resolved Imaging Data. ACS Nano, 2021, 15, 9649-9657.	7.3	8
38	Magnetic properties of the Shastry-Sutherland lattice material <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaNd</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2021, 5, .	3.1	7
39	In-situ observation of the in-plane field induced nucleation of skyrmion using Lorentz-TEM. Microscopy and Microanalysis, 2021, 27, 380-381.	0.2	0
40	Electronâ€“Phonon and Spinâ€“Lattice Coupling in Atomically Thin Layers of MnBi₂Te₄. Nano Letters, 2021, 21, 6139-6145.	4.5	25
41	Impact of further-range exchange and cubic anisotropy on magnetic excitations in the fcc kagome antiferromagnet IrMn3. Physical Review B, 2021, 104, .	1.1	2
42	Evolution of magnetic interactions in Sb-substituted <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 104, .	1.1	29
43	Stimulated Nucleation of Skyrmions in a Centrosymmetric Magnet. ACS Nano, 2021, 15, 13495-13503.	7.3	11
44	MoirÃ© trions in MoSe2/WSe2 heterobilayers. Nature Nanotechnology, 2021, 16, 1208-1213.	15.6	50
45	Direct measurement of ferroelectric polarization in a tunable semimetal. Nature Communications, 2021, 12, 5298.	5.8	42
46	Unusual Exchange Couplings and Intermediate Temperature Weyl State in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Co</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">S</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2021, 127, 117201.	2.9	26
47	Magnetostriction of Î±-RuCl₃ Flakes in the Zigzag Phase. Journal of Physical Chemistry C, 2021, 125, 25687-25694.	1.5	2
48	Quasi-two-dimensional ferromagnetism and anisotropic interlayer couplings in the magnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 104, .	1.1	10
49	Surface superconductivity in the type II Weyl semimetal TaIrTe4. National Science Review, 2020, 7, 579-587.	4.6	39
50	Coupling of photonic crystal cavity and interlayer exciton in heterobilayer of transition metal dichalcogenides. 2D Materials, 2020, 7, 015027.	2.0	17
51	Intrinsic axion insulating behavior in antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 102, .	1.1	63
52	Robust <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi></mml:mrow></mml:math> -Type Order and Spin-Flop Transition on the Surface of the Antiferromagnetic Topological Insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MnBi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Nature Communications, 2020, 11, 5613.	2.9	66
53	Nature of Magnetic Excitations in the High-Field Phase of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â€“</mml:mtext><mml:mrow><mml:msub><mml:mrow><mml:mi>Physical Review Letters, 2020, 125, 037202.	2.9	33
54	Unconventional Hall effect induced by Berry curvature. National Science Review, 2020, 7, 1879-1885.	4.6	19

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55	A practical guide for crystal growth of van der Waals layered materials. Journal of Applied Physics, 2020, 128, .	1.1	44
56	Realizing gapped surface states in the magnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mn</mml:mi><mml:msub><mml:mi>Bi</mml:mi> Physical Review B, 2020, 102, .	1.1	30
57	Coexistence of Surface Ferromagnetism and a Gapless Topological State in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MnBi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review Letters, 2020, 125, 117205.	2.9	75
58	Tunable discrete scale invariance in transition-metal pentatelluride flakes. Npj Quantum Materials, 2020, 5, .	1.8	7
59	One-Dimensional Edge Transport in Few-Layer WTe₂. Nano Letters, 2020, 20, 4228-4233.	4.5	56
60	Monolayer Semiconductor Auger Detector. Nano Letters, 2020, 20, 5538-5543.	4.5	5
61	Proximity-induced superconducting gap in the quantum spin Hall edge state of monolayer WTe2. Nature Physics, 2020, 16, 526-530.	6.5	76
62	Crystal structure reconstruction in the surface monolayer of the quantum spin liquid candidate Î±-RuCl3. 2D Materials, 2020, 7, 035004.	2.0	11
63	Magnetic Imaging of Domain Walls in the Antiferromagnetic Topological Insulator MnBi₂Te₄. Nano Letters, 2020, 20, 2609-2614.	4.5	63
64	Valley phonons and exciton complexes in a monolayer semiconductor. Nature Communications, 2020, 11, 618.	5.8	128
65	Antisymmetric linear magnetoresistance and the planar Hall effect. Nature Communications, 2020, 11, 216.	5.8	21
66	Carbon deficiency-induced changes of structure and magnetism of Mn3SnC. Journal of Materials Science, 2020, 55, 8363-8375.	1.7	7
67	The emergent field of high entropy oxides: Design, prospects, challenges, and opportunities for tailoring material properties. APL Materials, 2020, 8, .	2.2	152
68	Competing Magnetic Interactions in the Antiferromagnetic Topological Insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MnBi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review Letters, 2020, 124, 167204.	2.9	82
69	Gapless Dirac surface states in the antiferromagnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn> Physical Review B, 2020, 101, .	1.1	134
70	Thermal and magnetoelastic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi><mml:mo>â^'</mml:mo><mml:msub in the field-induced low-temperature states. Physical Review B, 2020, 102, .	1.1	16
71	A-type antiferromagnetic order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>4</mml:mn> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>6</mml:mn> single crystals. Physical Review Materials, 2020, 4, .	0.9	77
72	Spin dynamics and a nearly continuous magnetic phase transition in an entropy-stabilized oxide antiferromagnet. Physical Review Materials, 2020, 4, .	0.9	11

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73	Synthesis, characterization, and single-crystal growth of a high-entropy rare-earth pyrochlore oxide. Physical Review Materials, 2020, 4, .	0.9	18
74	Native defects in antiferromagnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review Materials, 2020, 4, .	0.9	40
75	Log-periodic quantum magneto-oscillations and discrete-scale invariance in topological material HfTe5. National Science Review, 2019, 6, 914-920.	4.6	15
76	The Effect of Nonuniform Pixel Responses in CCD on Quantitative Analysis. Microscopy and Microanalysis, 2019, 25, 230-231.	0.2	0
77	Atomic-Scale Study of Intrinsic Defects Suppressing the Thermal Conductivity of Boron Arsenide. Microscopy and Microanalysis, 2019, 25, 942-943.	0.2	0
78	Finite field regime for a quantum spin liquid in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â€”</mml:mtext><mml:msub><mml:mi>RuCl</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 100, .	1.1	78
79	Polarization-resolved Raman spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â€”</mml:mtext><mml:msub><mml:mi>RuCl</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> and evidence of room-temperature two-dimensional magnetic scattering. Physical Review B, 2019, 100, .	1.1	24
80	Nanoscale Quantification of Jahn-Teller Distortion in LaMnO3. Microscopy and Microanalysis, 2019, 25, 80-81.	0.2	0
81	Evidence for charge transfer and proximate magnetism in grapheneâ€“ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â€”</mml:mtext><mml:msub><mml:mi>RuCl</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> heterostructures. Physical Review B, 2019, 100, .	1.1	58
82	Evolution of structural, magnetic, and transport properties in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 100, .	1.1	18
83	In Situ Lorentz Electron Microscopy Imaging of Skyrmions in Geometric Confined Structures. Microscopy and Microanalysis, 2019, 25, 34-35.	0.2	2
84	Chemical disorder and spin-liquid-like magnetism in the van der Waals layered <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> transition metal halide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Os</mml:mi><mml:mrow><mml:mn>0.55</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 99, .	1.1	18
85	Linear magnetoresistance in the low-field limit in density-wave materials. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11201-11206.	3.3	34
86	Magnetic adsorbents for selective removal of selenite from contaminated water. Separation Science and Technology, 2019, 54, 2138-2146.	1.3	10
87	Long-Range Antiferromagnetic Order in a Rocksalt High Entropy Oxide. Chemistry of Materials, 2019, 31, 3705-3711.	3.2	112
88	Revisiting the Kitaev material candidacy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Ir</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msup></mml:math> double perovskite iridates. Physical Review B, 2019, 99, .	1.1	29
89	Signatures of moirÃ©-trapped valley excitons in MoSe2/WSe2 heterobilayers. Nature, 2019, 567, 66-70.	13.7	842
90	Insights into the evolution from ferromagnetism to antiferromagnetism: A doping-dependent study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaCrSi</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:mspace width="0.16em" />		

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91	Lattice distortion in the spin-orbital entangled state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi></mml:mrow><mml:msub><mml:mi mathvariant="normal">VO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> perovskites. Physical Review B, 2019, 100, .	1.1	8
92	Binder jet additive manufacturing method to fabricate near net shape crack-free highly dense Fe-6.5 wt.% Si soft magnets. Heliyon, 2019, 5, e02804.	1.4	36
93	Reorientation of antiferromagnetism in cobalt doped FeSn. Physical Review B, 2019, 100, .	1.1	14
94	Magnetic structure of Nd in NdFeAsO studied by x-ray resonant magnetic scattering. Physical Review B, 2019, 100, .	1.1	3
95	Crystal growth and magnetic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></ Physical Review Materials, 2019, 3, .	0.9	242
96	Magnetic order in single crystals of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Na</mml:mi><mml:mn>3</mml:mn></ with a honeycomb arrangement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow><mml:mn>3</mml:mn></ mathvariant="normal">d</mml:mi></mml:mrow><mml:mn>7</mml:mn></. Physical Review Materials, 2019, 3, .	0.9	49
97	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>MnB</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> single crystal. Physical Review Materials, 2019, 3, .	0.9	45
98	Electronic, magnetic, and thermodynamic properties of the kagome layer compound FeSn. Physical Review Materials, 2019, 3, .	0.9	49
99	High-pressure phase of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CrS</mml:mi><mml:msub><mml:mi mathvariant="normal">b</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> : A new quasi-one-dimensional itinerant magnet with competing interactions. Physical Review Materials, 2019, 3, .	0.9	2
100	Quantifying Jahn-Teller distortion at the nanoscale with picometer accuracy using position averaged convergent beam electron diffraction. Physical Review Research, 2019, 1, .	1.3	1
101	Excitations in the field-induced quantum spin liquid state of Î±-RuCl3. Npj Quantum Materials, 2018, 3, .	1.8	254
102	The Crystal Structure and Magnetic Behavior of Quinary Osmate and Ruthenate Double Perovskites LaABBâ€²O₆ (A = Ca, Sr; B = Co, Ni; Bâ€² = Ru, Os). Inorganic Chemistry, 2018, 57, 2989-3001.	1.9	20
103	High-Performance WSe₂ Phototransistors with 2D/2D Ohmic Contacts. Nano Letters, 2018, 18, 2766-2771.	4.5	105
104	Magnetic order of Nd₅Pb₃single crystals. Journal of Physics Condensed Matter, 2018, 30, 135801.	0.7	4
105	Pseudogap temperature <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>T</mml:mi><mml:mo>*</mml:mo></mml:msup></ of cuprate superconductors from the Nernst effect. Physical Review B, 2018, 97, .	1.1	89
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