Michael A Mcguire

List of Publications by Year
in descending order

306 papers	24,145 citations	14644 66 h-index	8156 148 g-index
335 all docs	335 docs citations	335 times ranked	15751 citing authors

#	Article	IF	Citations
1	Layer-dependent ferromagnetism in a van der Waals crystal down to the monolayer limit. Nature, 2017, 546, 270-273.	13.7	3,824
2	Superconductivity at 22 K in Co-Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>As</mml:mi></mml:msub><mml:mn>2</mml:mn></mml:math> Physical Review Letters, 2008, 101, 117004.	2.9	980
3	Electrical control of 2D magnetism in bilayer CrI3. Nature Nanotechnology, 2018, 13, 544-548.	15.6	975
4	Giant tunneling magnetoresistance in spin-filter van der Waals heterostructures. Science, 2018, 360, 1214-1218.	6.0	871
5	Coupling of Crystal Structure and Magnetism in the Layered, Ferromagnetic Insulator CrI₃. Chemistry of Materials, 2015, 27, 612-620.	3.2	729
6	Van der Waals engineering of ferromagnetic semiconductor heterostructures for spin and valleytronics. Science Advances, 2017, 3, e1603113.	4.7	635
7	Giant anharmonic phonon scattering in PbTe. Nature Materials, 2011, 10, 614-619.	13.3	561
8	Two-band superconductivity in LaFeAsO0.89F0.11 at very high magnetic fields. Nature, 2008, 453, 903-905.	13.7	490
9	Bulk superconductivity at 14 K in single crystals of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2009, 79, .	1.1	397
10	Switching 2D magnetic states via pressure tuning of layer stacking. Nature Materials, 2019, 18, 1298-1302.	13.3	358
11	Small anisotropy, weak thermal fluctuations, and high field superconductivity in Co-doped iron pnictide Ba(Fe1â^'xCox)2As2. Applied Physics Letters, 2009, 94, .	1.5	337
12	Crystal and Magnetic Structures in Layered, Transition Metal Dihalides and Trihalides. Crystals, 2017, 7, 121.	1.0	331
13	Effects of Nematic Fluctuations on the Elastic Properties of Iron Arsenide Superconductors. Physical Review Letters, 2010, 105, 157003.	2.9	318
14	Giant nonreciprocal second-harmonic generation from antiferromagnetic bilayer CrI3. Nature, 2019, 572, 497-501.	13.7	309
15	Superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LaFe</mml:mtext></mml:mrow><mml:mrow><mml:mn> Physical Review B, 2008, 78, .	1.1	305
16	Phase transitions in LaFeAsO: Structural, magnetic, elastic, and transport properties, heat capacity and MÃ¶ssbauer spectra. Physical Review B, 2008, 78, .	1.1	284
17	Valley Manipulation by Optically Tuning the Magnetic Proximity Effect in WSe₂/CrI₃ Heterostructures. Nano Letters, 2018, 18, 3823-3828.	4.5	281
18	Ligand-field helical luminescence in a 2D ferromagnetic insulator. Nature Physics, 2018, 14, 277-281.	6.5	275

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19	Ferromagnetism Near Room Temperature in the Cleavable van der Waals Crystal Fe₅GeTe₂. ACS Nano, 2019, 13, 4436-4442.	7.3	266
20	Metal Thioâ€•and Selenophosphates as Multifunctional van der Waals Layered Materials. Advanced Materials, 2017, 29, 1602852.	11.1	256
21	New Fe-based superconductors: properties relevant for applications. Superconductor Science and Technology, 2010, 23, 034003.	1.8	253
22	Atomically Thin CrCl₃: An In-Plane Layered Antiferromagnetic Insulator. Nano Letters, 2019, 19, 3993-3998.	4.5	240
23	Two-dimensional resonant magnetic excitation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>1.84</mml:mn></mml:msub><mml:msub><mml:mi>Co</mml:mi><mml:mi><m Physical Review Letters, 2009, 102, 107005.	2.9	237
24	Contrasting Spin Dynamics between Underdoped and Overdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ba</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â’ </mml:mo><mml:mi><mml:m Physical Review Letters, 2010, 104, 037001.	2.9	234
25	Magnetic behavior and spin-lattice coupling in cleavable van der Waals layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrCl</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub></mml crystals. Physical Review Materials, 2017, 1, .	3.1	216
26	Electronic correlations in the superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">La</mml:mi><mml:mi mathvariant="normal">Fe</mml:mi><mml:mi mathvariant="normal">As</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>0.89</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:mn>0.11</mml:mn></mml:msub></mml:mrow></mml:math>with	1.1	214
27	Emergent phenomena and proximity effects in two-dimensional magnets and heterostructures. Nature Materials, 2020, 19, 1276-1289.	13.3	213
28	Two-channel model for ultralow thermal conductivity of crystalline Tl ₃ VSe ₄. Science, 2018, 360, 1455-1458.	6.0	206
29	Highly Robust Lithium Ion Battery Anodes from Lignin: An Abundant, Renewable, and Lowâ€Cost Material. Advanced Functional Materials, 2014, 24, 86-94.	7.8	205
30	Magnetic structure and phase stability of the van der Waals bonded ferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn> Physical Review B, 2016, 93, .	3.7	201
31	Layer-resolved magnetic proximity effect in van der Waals heterostructures. Nature Nanotechnology, 2020, 15, 187-191.	15.6	169
32	Glass-like phonon scattering from a spontaneous nanostructure in AgSbTe2. Nature Nanotechnology, 2013, 8, 445-451.	15.6	161
33	Spin Susceptibility, Phase Diagram, and Quantum Criticality in the Eelctron-Doped High Tc Superconductor Ba(Fe1-xCox)2As2. Journal of the Physical Society of Japan, 2009, 78, 013711.	0.7	159
34	Evolution of spin excitations into the superconducting state in FeTe1â’xSex. Nature Physics, 2010, 6, 182-186.	6.5	151
35	Static and Dynamic Magnetism in Underdoped Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>1.92</mml:mn></mml:msub><mml:msub><mml:mi>Co</mml:mi><mml:mi><m Physical Review Letters, 2009, 103, 087002.	2.9	150
36	Direct visualization of magnetic domains and moirÃ© magnetism in twisted 2D magnets. Science, 2021, 374, 1140-1144.	6.0	144

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37	Tunable quadruple-well ferroelectric van der Waals crystals. Nature Materials, 2020, 19, 43-48.	13.3	140
38	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:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 100, .	1.1	130
39	Voltage Control of a van der Waals Spin-Filter Magnetic Tunnel Junction. Nano Letters, 2019, 19, 915-920.	4.5	129
40	Comparative high-field magnetotransport of the oxypnictide superconductorsRFeAsO1â^'xFx(R=La, Nd) andSmFeAsO1â^'Î´. Physical Review B, 2008, 78, .	1.1	121
41	Binder Jetting: A Novel NdFeB Bonded Magnet Fabrication Process. Jom, 2016, 68, 1978-1982.	0.9	121
42	F19NMR investigation of the iron pnictide superconductorLaFeAsO0.89F0.11. Physical Review B, 2008, 78, .	1.1	120
43	Anisotropy of the Upper Critical Field in a Co-Doped BaFe₂As₂ Single Crystal. Journal of the Physical Society of Japan, 2009, 78, 084719.	0.7	117
44	Long-Range Antiferromagnetic Order in a Rocksalt High Entropy Oxide. Chemistry of Materials, 2019, 31, 3705-3711.	3.2	112
45	Magnetic phase transition in single crystals of the chiral helimagnet Cr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>NbS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /> Physical Review B, 2013, 87, .	1.1	111
46	Renormalized behavior and proximity of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaCo</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m a magnetic quantum critical point. Physical Review B, 2009, 79, .	1.1	110
47	Cerium-Based, Intermetallic-Strengthened Aluminum Casting Alloy: High-Volume Co-product Development. Jom, 2016, 68, 1940-1947.	0.9	110
48	Influence of the rare-earth element on the effects of the structural and magnetic phase transitions in CeFeAsO, PrFeAsO and NdFeAsO. New Journal of Physics, 2009, 11, 025011.	1.2	109
49	Pulsed Laser Deposition of Photoresponsive Twoâ€Dimensional GaSe Nanosheet Networks. Advanced Functional Materials, 2014, 24, 6365-6371.	7.8	108
50	Evidence for Strong Itinerant Spin Fluctuations in the Normal State of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>CeFeAsO</mml:mi><mml:mn>0.89</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:mn>0.11</mml:mn></mml:msub></mml:math>Iron-Oxypnictide Superconductors. Physical Review Letters, 2008, 101, 267001.	2.9	106
51	Direct observation of two-dimensional magnons in atomically thin CrI3. Nature Physics, 2021, 17, 20-25.	6.5	106
52	Competing magnetic phases and fluctuation-driven scalar spin chirality in the kagome metal YMn ₆ Sn ₆. Science Advances, 2020, 6, .	4.7	103
53	Absence of superconductivity in hole-doped<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:mrow><mml:mn>2</mml:mn></mml crystals. Physical Review B, 2009, 79, .	1.1	101
54	Metallic â€œFerroelectricityâ€• in the PyrochloreCd2Re2O7. Physical Review Letters, 2004, 92, 065501.	2.9	100

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55	Structure and anisotropic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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73	Phonon Density of States of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LaFeAsO</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x<mathvariant="normal">F</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:math>. Physical Review Letters, 2008, 101, 157004.	2.9	65
74	Thermoelectric properties of Co-, Ir-, and Os-doped FeSi alloys: Evidence for strong electron-phonon coupling. Physical Review B, 2011, 83, .	1.1	64
75	Itinerant antiferromagnetism in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaCr</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>: Experimental characterization and electronic structure calculations. Physical Review B, 2009, 79, .	3.7	63
76	Unusual Relationship between Magnetism and Superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>FeTe</mml:mi><mml:mn>0.5</mml:mn></mml:msub><mml:msub><mml:mi>Se</mml:mi><mml:mn> Physical Review Letters, 2010, 104, 187002.	2.9	62
77	Origin of the phase transition in IrTe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>: Structural modulation and local bonding instability. Physical Review B, 2013, 88, .	1.1	62
78	Ferromagnetism of Fe3Sn and Alloys. Scientific Reports, 2014, 4, 7024.	1.6	62
79	Four-Well Tunneling States and Elastic Response of Clathrates. Physical Review Letters, 2004, 92, 185502.	2.9	59
80	Evidence for electromagnetic granularity in the polycrystalline iron-based superconductor LaO0.89F0.11FeAs. Applied Physics Letters, 2008, 92, 252501.	1.5	59
81	Surface Geometric and Electronic Structures of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>As</mml:mi><mml:mi> stretchy="false">(</mml:mo><mml:mn>001</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 407 Td (stretchy="fa	2.4	59
82	Doping-dependent specific heat study of the superconducting gap 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, 81, .	1.1	58
83	Phonons in doped and undoped<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:msub></mml:mrow></mml:math> by inelastic x-ray scattering. Physical Review B, 2009, 80, .	3.7	57
84	Exploring Thallium Compounds as Thermoelectric Materials:Â Seventeen New Thallium Chalcogenides. Chemistry of Materials, 2005, 17, 2875-2884.	3.2	56
85	Cationâ€“Eutectic Transition via Sublattice Melting in CuInP₂S₆/In_{4/3}P₂S₆ van der Waals Layered Crystals. ACS Nano, 2017, 11, 7060-7073.	7.3	54
86	Magnetic proximity and nonreciprocal current switching in a monolayer WTe2 helical edge. Nature Materials, 2020, 19, 503-507.	13.3	53
87	Flat bands in the CoSn-type compounds. Physical Review B, 2020, 102, .	1.1	52
88	Tuning magnetic order in the van der Waals metal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> by cobalt substitution. Physical Review Materials, 2020, 4, .	2.4	52
89	Properties of single crystalline AZn2Sb2 (Aâ€‰=â€‰Ca,Eu,Yb). Journal of Applied Physics, 2012, 111, .	1.1	50
90	Quantum Critical Behavior in a Concentrated Ternary Solid Solution. Scientific Reports, 2016, 6, 26179.	1.6	50

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91	Site Mixing for Engineering Magnetic Topological Insulators. Physical Review X, 2021, 11, .	2.8	50
92	Symmetry-lowering lattice distortion at the spin reorientation in MnBi single crystals. Physical Review B, 2014, 90, .	1.1	49
93	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></mml: 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><mml:mi mathvariant="normal">d</mml:mi></mml:mrow><mml:mn>7</mml:mn></. Physical Review Materials, 2019, 3, .	0.9	49
94	Electronic, magnetic, and thermodynamic properties of the kagome layer compound FeSn. Physical Review Materials, 2019, 3, .	0.9	49
95	Effect of pressure on the superconducting critical temperature of La[O0.89F0.11]FeAs and Ce[O0.88F0.12]FeAs. Physica C: Superconductivity and Its Applications, 2008, 468, 2229-2232.	0.6	48
96	Pressure effects on the electron-doped highTcsuperconductor BaFe2â^'xCoxAs2. Journal of Physics Condensed Matter, 2008, 20, 472201.	0.7	48
97	High pressure floating zone growth and structural properties of ferrimagnetic quantum paraelectric BaFe₁₂O₁₉. APL Materials, 2015, 3, 062512.	2.2	48
98	Structural phase transition and phonon instability in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>12</mml:mn></mml mathvariant="normal">S</mml:mi><mml:mn>13</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	1.1	48
99	Digital Transfer Growth of Patterned 2D Metal Chalcogenides by Confined Nanoparticle Evaporation. ACS Nano, 2014, 8, 11567-11575.	7.3	47
100	Piezoelectric domain walls in van der Waals antiferroelectric CuInP2Se6. Nature Communications, 2020, 11, 3623.	5.8	47
101	Giant negative electrostriction and dielectric tunability in a van der Waals layered ferroelectric. Physical Review Materials, 2019, 3, .	0.9	47
102	Phase transition and superconductivity of SrFe₂As₂under high pressure. Journal of Physics Condensed Matter, 2011, 23, 122201.	0.7	45
103	Electronic and thermoelectric properties of CoSbS and FeSbS. Physical Review B, 2013, 87, .	1.1	45
104	Magnetic phase transitions in NdCoAsO. Physical Review B, 2010, 81, .	1.1	44
105	Antiferromagnetism in the van der Waals layered spin-lozenge semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="bold">CrTe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2017, 95, .	1.1	44
106	A practical guide for crystal growth of van der Waals layered materials. Journal of Applied Physics, 2020, 128, .	1.1	44
107	Spectroscopic dielectric tensor of monoclinic crystals: CdWO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	1.1	43
108	Transport, thermal, and magnetic properties of the narrow-gap semiconductor CrSb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 86, .	1.1	43

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109	Gap structure in the electron-doped ironâ€“arsenide superconductor Ba(Fe_{0.92}Co_{0.08})₂As₂: low-temperature specific heat study. New Journal of Physics, 2010, 12, 023006.	1.2	42
110	Kinetically inhibited order in a diamond-lattice antiferromagnet. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15693-15698.	3.3	41
111	Itinerant electrons, local moments, and magnetic correlations in the pnictide superconductors CeFeAsO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>F<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

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127	2Flux growth and characterization of Ce-substituted <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0047.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>Nd</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">B</mml:mi></mml:mrow><mml:mrow><mml:mn> single crystals. Journal of Magnetism and Magnetic Materials, 2017, 434, 1-9.	1.0	36
128	BaT2As2 single crystals (T=Fe, Co, Ni) and superconductivity upon Co-doping. Physica C: Superconductivity and Its Applications, 2009, 469, 350-354.	0.6	35
129	High-resolution measurements of the thermal expansion of superconducting Co-doped<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:msub> Physical Review B, 2009, 79, .	1.1	34
130	Effects of chemical pressure on the magnetic ground states of the osmate double perovskites<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrCaCoOs</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi	1.1	33
131	Spin Reorientation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TlFe</mml:mi><mml:mn>1.6</mml:mn></mml:msub><mml:msub><mml:mi>Se</mml:mi><mml:mi><mml Complete Vacancy Ordering. Physical Review Letters, 2012, 109, 077003.	2.5	32
132	Hydrothermal Synthesis and Characterization of Novel Brackebuschite-Type Transition Metal Vanadates: Ba₂M(VO₄)₂(OH), M = V³⁺, Mn³⁺, and Fe³⁺, with Interesting Jahnâ€“Teller and Spin-Liquid Behavior. Inorganic Chemistry, 2015, 54, 7014-7020.	1.9	32
133	Extended magnetic exchange interactions in the high-temperature ferromagnet MnBi. Applied Physics Letters, 2016, 108.	1.5	32
134	Structural and magnetic characterization of the one-dimensional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mrow /><mml:mn>5</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math>antiferromagnetic chain system<mml:math		

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145	Search for pressure-induced superconductivity in CeFeAsO and CeFePO iron pnictides. Physical Review B, 2011, 83, .	1.1	26
146	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
147	Transport and optical properties of heavily hole-doped semiconductors BaCu2Se2 and BaCu2Te2. Journal of Solid State Chemistry, 2011, 184, 2744-2750.	1.4	25
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