Michael A Mcguire

List of Publications by Year
in descending order

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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	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	Nanoscale Control of Polar Surface Phases in Layered van der Waals CuInP₂S₆. ACS Nano, 2022, 16, 2452-2460.	7.3	12
5	Manufacturing Processes for Permanent Magnets: Part IIâ€"Bonding and Emerging Methods. Jom, 2022, 74, 2492-2506.	0.9	12
6	Revealing room temperature ferromagnetism in exfoliated Fe₅GeTe₂ flakes with quantum magnetic imaging. 2D Materials, 2022, 9, 025017.	2.0	17
7	Real-space visualization of short-range antiferromagnetic correlations in a magnetically enhanced thermoelectric. Matter, 2022, 5, 1853-1864.	5.0	11
8	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> Physical Review Materials, 2022, 6, .	0.9	<mml:mn>2</mm
9	Electronic and topological properties of the van der Waals layered superconductor PtTe. Physical Review B, 2022, 105, .	1.1	0
10	Spiral Spin Liquid on a Honeycomb Lattice. Physical Review Letters, 2022, 128, .	2.9	15
11	Direct observation of two-dimensional magnons in atomically thin CrI3. Nature Physics, 2021, 17, 20-25.	6.5	106
12	Lowering of Tc in Van Der Waals Layered Materials Under In-Plane Strain. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 253-258.	1.7	3
13	Stacking Faults and Shortâ€Range Magnetic Correlations in Single Crystal Y₅Ru₂O₁₂: A Structure with Ru^{+4.5} Oneâ€Dimensional Chains. Physica Status Solidi (B): Basic Research, 2021, 258, 2000197.	0.7	6
14	Effect of Processing Hydrogen Pressure on Magnetic Properties of HDDR Nd-Fe-B Magnet. IEEE Transactions on Magnetics, 2021, 57, 1-4.	1.2	4
15	Helical magnetic order and Fermi surface nesting in noncentrosymmetric ScFeGe. Physical Review B, 2021, 103, .	1.1	5
16	A Catastrophic Charge Density Wave in BaFe₂Al₉. Chemistry of Materials, 2021, 33, 2855-2863.	3.2	9
17	Tuning the flat bands of the kagome metal CoSn with Fe, In, or Ni doping. Physical Review Materials, 2021, 5, .	0.9	17
18	Site Mixing for Engineering Magnetic Topological Insulators. Physical Review X, 2021, 11, .	2.8	50

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19	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: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
20	Self-regulated growth of candidate topological superconducting parkerite by molecular beam epitaxy. APL Materials, 2021, 9, 101110.	2.2	3
21	Magnetism and Its Structural Coupling Effects in 2D Ising Ferromagnetic Insulator VI₃. Nano Letters, 2021, 21, 9180-9186.	4.5	28
22	Spin photovoltaic effect in magnetic van der Waals heterostructures. Science Advances, 2021, 7, eabg8094.	4.7	15
23	Direct visualization of magnetic domains and moirÃ© magnetism in twisted 2D magnets. Science, 2021, 374, 1140-1144.	6.0	144
24	Antiferromagnetic Order and Linear Magnetoresistance in Fe-Substituted Shandite Co₃In₂S₂. Chemistry of Materials, 2021, 33, 9741-9749.	3.2	14
25	Simultaneous mapping of nanoscale dielectric, electrochemical, and ferroelectric surface properties of van der Waals layered ferroelectric via advanced SPM. Applied Physics Letters, 2021, 119, .	1.5	4
26	Possible observation of Kondo screening cloud in Yb₁₄MnSb₁₁. Philosophical Magazine, 2020, 100, 1204-1210.	0.7	1
27	Tunable quadruple-well ferroelectric van der Waals crystals. Nature Materials, 2020, 19, 43-48.	13.3	140
28	Tuning inelastic light scattering via symmetry control in the two-dimensional magnet CrI3. Nature Nanotechnology, 2020, 15, 212-216.	15.6	90
29	Observation of a Large Magnetic Anisotropy and a Field-Induced Magnetic State in SrCo(VO₄)(OH): A Structure with a Quasi One-Dimensional Magnetic Chain. Inorganic Chemistry, 2020, 59, 1029-1037.	1.9	7
30	Synthesis, structure and magnetic properties of Ba3M2Ge4O14 (M = Mn and Fe): Quasi-one-dimensional zigzag chain compounds. Journal of Solid State Chemistry, 2020, 283, 121090.	1.4	5
31	Iodine orbital moment and chromium anisotropy contributions to CrI3 magnetism. Applied Physics Letters, 2020, 117, 022411.	1.5	8
32	Piezoelectric domain walls in van der Waals antiferroelectric CuInP2Se6. Nature Communications, 2020, 11, 3623.	5.8	47
33	A practical guide for crystal growth of van der Waals layered materials. Journal of Applied Physics, 2020, 128, .	1.1	44
34	Local Strain and Polarization Mapping in Ferrielectric Materials. ACS Applied Materials & Interfaces, 2020, 12, 38546-38553.	4.0	14
35	Cleavable magnetic materials from van der Waals layered transition metal halides and chalcogenides. Journal of Applied Physics, 2020, 128, .	1.1	29
36	Flat bands in the CoSn-type compounds. Physical Review B, 2020, 102, .	1.1	52

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37	The Concept of Negative Capacitance in Ionically Conductive Van der Waals Ferroelectrics. Advanced Energy Materials, 2020, 10, 2001726.	10.2	30
38	Light induced electron spin resonance properties of van der Waals CrX3 (X = Cl, I) crystals. Applied Physics Letters, 2020, 117, .	1.5	12
39	Emergent phenomena and proximity effects in two-dimensional magnets and heterostructures. Nature Materials, 2020, 19, 1276-1289.	13.3	213
40	Cryo-quenched Feâ€“Niâ€“Cr alloy decorative steel single crystals II: Alloy phases, structure, hardness, tensile, tribological, magnetic and electronic properties. Journal of Alloys and Compounds, 2020, 835, 155169.	2.8	2
41	Copperâ€“Carbon Nanotube Composites Enabled by Electrospinning for Advanced Conductors. ACS Applied Nano Materials, 2020, 3, 6863-6875.	2.4	15
42	Magnetic proximity and nonreciprocal current switching in a monolayer WTe2 helical edge. Nature Materials, 2020, 19, 503-507.	13.3	53
43	Domains and Topological Defects in Layered Ferrielectric Materials: Implications for Nanoelectronics. ACS Applied Nano Materials, 2020, 3, 8161-8166.	2.4	4
44	Layer-resolved magnetic proximity effect in van der Waals heterostructures. Nature Nanotechnology, 2020, 15, 187-191.	15.6	169
45	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
46	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 by cobalt substitution. Physical Review Materials, 2020, 4, .	0.9	52
47	Competing magnetic phases and fluctuation-driven scalar spin chirality in the kagome metal YMn ₆ Sn ₆. Science Advances, 2020, 6, .	4.7	103
48	Helicity-Dependent Coherent Spin-Phonon Oscillations in the Ferromagnetic van der Waals Crystal CrI3. , 2020, , .		1
49	Electron Spin Resonance Properties of CrI3 and CrCl3 Single Crystals. MRS Advances, 2019, 4, 2169-2175.	0.5	6
50	Giant nonreciprocal second-harmonic generation from antiferromagnetic bilayer CrI3. Nature, 2019, 572, 497-501.	13.7	309
51	Switching 2D magnetic states via pressure tuning of layer stacking. Nature Materials, 2019, 18, 1298-1302.	13.3	358
52	Voltage Control of a van der Waals Spin-Filter Magnetic Tunnel Junction. Nano Letters, 2019, 19, 915-920.	4.5	129
53	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 Physical Review B, 2019, 100, .	1.1	10
54	STEM Study of Structure and Local Short-Range Orders in the Fe_{5â^'x}GeTe₂ Crystals with Ferromagnetism Near Room Temperature. Microscopy and Microanalysis, 2019, 25, 956-957.	0.2	1

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55	Surface terminations and layer-resolved tunneling spectroscopy of the 122 iron pnictide superconductors. Physical Review B, 2019, 99, .	1.1	16
56	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:r 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</ Physical Review B, 2019, 99, .	1.1	18
57	Atomically Thin CrCl₃: An In-Plane Layered Antiferromagnetic Insulator. Nano Letters, 2019, 19, 3993-3998.	4.5	240
58	Doping dependence of the magnitude of fluctuating spin moments in the normal state of the pnictide superconductor Sr(Fe1âˆ’xCox)2As2 inferred from photoemission spectroscopy. Physical Review B, 2019, 99, .	1.1	0
59	Long-Range Antiferromagnetic Order in a Rocksalt High Entropy Oxide. Chemistry of Materials, 2019, 31, 3705-3711.	3.2	112
60	Ferromagnetic Spin-1/2 Dimers with Strong Anisotropy in MoCl5. Chemistry of Materials, 2019, 31, 2952-2959.	3.2	6
61	Ferromagnetism Near Room Temperature in the Cleavable van der Waals Crystal Fe₅GeTe₂. ACS Nano, 2019, 13, 4436-4442.	7.3	266
62	Effects of High Magnetic Fields on Phase Transformations in Amorphous Nd2Fe14B. Magnetochemistry, 2019, 5, 16.	1.0	6
63	Hydrothermal synthesis of lanthanide rhenium oxides: Structures and magnetism of Ln2Re2O7(OH) (Ln) Tj ETQq1 1 0.784314 rgBT /Ov	1.4	6
64	Exotic Magnetic Field-Induced Spin-Superstructures in a Mixed Honeycomb-Triangular Lattice System. Physical Review X, 2019, 9, .	2.8	10
65	Magnetic Ground State Crossover in a Series of Glaserite Systems with Triangular Magnetic Lattices. Inorganic Chemistry, 2019, 58, 2813-2821.	1.9	14
66	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
67	Reorientation of antiferromagnetism in cobalt doped FeSn. Physical Review B, 2019, 100, .	1.1	14
68	Roomâ€Temperature Ferromagnetic Insulating State in Cationâ€Ordered Doubleâ€Perovskite Sr₂Fe₁₊_xRe_{1âˆ’}_xO₆Films. Advanced Materials, 2019, 31, e1805389.	19.1	21
69	Giant negative electrostriction and dielectric tunability in a van der Waals layered ferroelectric. Physical Review Materials, 2019, 3, .	0.9	47
70	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><mml:mi mathvariant="normal">d</mml:mi></mml:mrow><mml:mn>7</mml:mn><//. Physical Review Materials, 2019, 3, .	0.9	49
71	Physical properties and thermal stability of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Fe</mml:mi><mml:mrow><mml:mn>5</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi></mml:mrow mathvariant="normal">GeTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> single crystals. Physical Review Materials, 2019, 3, .	0.9	7
72	Electronic, magnetic, and thermodynamic properties of the kagome layer compound FeSn. Physical Review Materials, 2019, 3, .	0.9	49

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73	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
74	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
75	Electrical control of 2D magnetism in bilayer CrI3. Nature Nanotechnology, 2018, 13, 544-548.	15.6	975
76	Two halide-containing cesium manganese vanadates: synthesis, characterization, and magnetic properties. Dalton Transactions, 2018, 47, 2619-2627.	1.6	10
77	Giant tunneling magnetoresistance in spin-filter van der Waals heterostructures. Science, 2018, 360, 1214-1218.	6.0	871
78	Negative thermal expansion and magnetoelastic coupling in the breathing pyrochlore lattice material <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>LiGaCr</mml:mi><mml:mn>4</mml:mn><mml:mn></m mathvariant="normal">S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	1.1	4
79	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0042.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>LaCu</mml:mi></mml:mrow><mml:mrow><mml:mn>6</mml:mn></mml:mr A promising host of an elastic quantum critical point. Physica B: Condensed Matter, 2018, 536, 479-482.	1.4	1
80	Ligand-field helical luminescence in a 2D ferromagnetic insulator. Nature Physics, 2018, 14, 277-281.	6.5	275
81	Real-Space Study of Charge and Orbital Ordering in Lao.6Sr2.4Mn2O7 Manganite Single Crystal. Microscopy and Microanalysis, 2018, 24, 106-107.	0.2	0
82	Microstructural Development in Melt-spun Nd2Fe14B Under High Magnetic Field Annealing. Microscopy and Microanalysis, 2018, 24, 958-959.	0.2	1
83	Tuning magnetocrystalline anisotropy by cobalt alloying in hexagonal Fe3Ge1. Scientific Reports, 2018, 8, 14206.	1.6	13
84	Real Space Visualization of Competing Phases in La0.6Sr2.4Mn2O7 Single Crystals. Chemistry of Materials, 2018, 30, 7962-7969.	3.2	7
85	The magnetic order of a manganese vanadate system with two-dimensional striped triangular lattice. AIP Advances, 2018, 8, 101407.	0.6	6
86	Valley Manipulation by Optically Tuning the Magnetic Proximity Effect in WSe₂/CrI₃ Heterostructures. Nano Letters, 2018, 18, 3823-3828.	4.5	281
87	Two-channel model for ultralow thermal conductivity of crystalline Tl ₃ VSe ₄. Science, 2018, 360, 1455-1458.	6.0	206
88	Locally Controlled Cu-Ion Transport in Layered Ferroelectric CuInP₂S₆. ACS Applied Materials & Interfaces, 2018, 10, 27188-27194.	4.0	68
89	Spin freezing into a disordered state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CaFeT</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> synthesized under high pressure. Physical Review B, 2018, 98, .	1.1	2
90	Extended exchange interactions stabilize long-period magnetic structures in Cr1âˆ•3NbS2. Applied Physics Letters, 2018, 113, 032404.	1.5	16

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91	Giant magnetostriction effect near onset of spin reorientation in MnBi. Applied Physics Letters, 2018, 112, 192411.	1.5	2
92	Spin-glass behavior and vacancy order in van der Waals layered Î²â^'MoCl4. Physical Review Materials, 2018, 2, .	0.9	5
93	Evolution of structural and magnetic properties in LaxCe2-xCo16Ti for 0Ââ‰xÂâ‰Â2. Journal of Alloys and Compounds, 2017, 695, 2266-2272.	2.8	5
94	Magnetic field control of microstructural development in melt-spun <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0006.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>Pr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m mathvariant="normal">B</mml:mi></mml:mrow></mml:math>. Journal of Magnetism and Magnetic Materials, 2017, 430, 85-88.	2.0	5
95	Phase relationships in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CeFe</mml:mtext></mml:mrow><mml:mn>8</mml:mn></mr Journal of Alloys and Compounds, 2017, 712, 30-35.	2.8	1
96	Layer-dependent ferromagnetism in a van der Waals crystal down to the monolayer limit. Nature, 2017, 546, 270-273.	13.7	3,824
97	New insights into the structure, chemistry, and properties of Cu4SnS4. Journal of Solid State Chemistry, 2017, 253, 192-201.	1.4	23
98	Heat capacity, resistivity, and angular dependent magnetization studies of single crystal Nd1+âˆŠFe4B4 for âˆŠâ‰ˆ17. Journal of Magnetism and Magnetic Materials, 2017, 435, 100-106.	1.0	0
99	Structure and property correlations in FeS. Physica C: Superconductivity and Its Applications, 2017, 534, 29-36.	0.6	37
100	Polar Materials with Isolated V⁴⁺ S = 1/2 Triangles: NaSr₂V₃O₃(Ge₄O₁₃)Cl and KSr₂V₃O₃(Ge₄O₁₃)Cl. Chemistry of Materials, 2017, 29, 1404-1412.	3.2	18
101	Synthesis, Crystal and Electronic Structures, and Optical Properties of (CH₃NH₃)₂CdX₄ (X = Cl, Br, I). Inorganic Chemistry, 2017, 56, 13878-13888.	1.9	78
102	Metal Thioâ€•and Selenophosphates as Multifunctional van der Waals Layered Materials. Advanced Materials, 2017, 29, 1602852.	11.1	256
103	Van der Waals engineering of ferromagnetic semiconductor heterostructures for spin and valleytronics. Science Advances, 2017, 3, e1603113.	4.7	635
104	Chemical Changes in Layered Ferroelectric Semiconductors Induced by Helium Ion Beam. Scientific Reports, 2017, 7, 16619.	1.6	3
105	Investigation of a Structural Phase Transition and Magnetic Structure of Na2BaFe(VO4)2: A Triangular Magnetic Lattice with a Ferromagnetic Ground State. Inorganic Chemistry, 2017, 56, 14842-14849.	1.9	15
106	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
107	Magnetic order and interactions in ferrimagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></m Physical Review B, 2017, 95, .	1.1	40
108	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

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109	Quantum critical behavior in the asymptotic limit of high disorder in the medium entropy alloy NiCoCr0.8. Npj Quantum Materials, 2017, 2, .	1.8	18
110	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></m mathvariant="normal">B</mml:mi></mml:mrow></mml:math> single crystals. Journal of Magnetism and Magnetic Materials, 2017, 434, 1-9.	1.0	36
111	Nanofabrication Limits in Layered Ferroelectric Semiconductors via He-ion Beam. Microscopy and Microanalysis, 2017, 23, 262-263.	0.2	0
112	Crystal and Magnetic Structures in Layered, Transition Metal Dihalides and Trihalides. Crystals, 2017, 7, 121.	1.0	331
113	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> crystals. Physical Review Materials, 2017, 1, .	0.9	210
114	Flux growth in a horizontal configuration: An analog to vapor transport growth. Physical Review Materials, 2017, 1, .	0.9	38
115	Magnetism and the spin state in cubic perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CaCo</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> synthesized under high pressure. Physical Review Materials, 2017, 1, .	0.9	9
116	High-temperature magnetostructural transition in van der Waals-layered <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:msub><mml:msub

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127	Synthesis and characterization of new fluoride-containing manganese vanadates A2Mn2V2O7F2 (A=Rb,) Tj ETQq1 1 0.784314 rgBT /Ov	1.4	19
128	Honeycomb-like S = 5/2 Spinâ€“Lattices in Manganese(II) Vanadates. Inorganic Chemistry, 2016, 55, 9240-9249.	1.9	27
129	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></mm mathvariant="normal">S</mml:mi><mml:mn>13</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	1.1	48
130	Fragile singlet ground-state magnetism in the pyrochlore osmates<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>R</mml:mi><mml:mn>2</mml:mn></mml:m mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /O	1.1	15
131	Enhanced ferroelectric polarization and possible morphotrophic phase boundary in PZT-based alloys. Physical Review B, 2016, 93, .	1.1	7
132	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		

#	Article	IF	Citations
145	Fragile structural transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mo</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:math>: Physical Review B, 2015, 92,	1.3	6
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