

Michael A Mcguire

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8025171/publications.pdf>

Version: 2024-02-01

306
papers

24,145
citations

16791

66
h-index

9346

148
g-index

335
all docs

335
docs citations

335
times ranked

17773
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the room temperature ferromagnetism in Fe_5GeTe_2 by arsenic substitution. 2D Materials, 2022, 9, 015013.	2.0	14
2	The Impact of Structural Distortions on the Magnetism of Double Perovskites Containing $5d^{1+}$ 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 CuInP_2S_6 . ACS Nano, 2022, 16, 2452-2460.	7.3	12
5	Manufacturing Processes for Permanent Magnets: Part II—Bonding and Emerging Methods. Jom, 2022, 74, 2492-2506.	0.9	12
6	Revealing room temperature ferromagnetism in exfoliated Fe_5GeTe_2 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 $\text{BaMn}_2\text{O}_{7-x}$. Physical Review Materials, 2022, 6, .	0.9	0
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 CrI_3 . Nature Physics, 2021, 17, 20-25.	6.5	106
12	Lowering of T_c 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 Short-Range Magnetic Correlations in Single Crystal $\text{Y}_5\text{Ru}_2\text{O}_{12}$: A Structure with $\text{Ru}^{+4.5}$ One-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 BaFe_2Al_9 . 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

#	ARTICLE	IF	CITATIONS
19	Unusual Exchange Couplings and Intermediate Temperature Weyl State in $\text{Co}_3\text{Mn}_2\text{S}_2$. <i>Physical Review Letters</i> , 2021, 127, 117201.	2.6	26
20	Self-regulated growth of candidate topological superconducting parkerite by molecular beam epitaxy. <i>APL Materials</i> , 2021, 9, 101110.	2.2	3
21	Magnetism and Its Structural Coupling Effects in 2D Ising Ferromagnetic Insulator V_3S_5 . <i>Nano Letters</i> , 2021, 21, 9180-9186.	4.5	28
22	Spin photovoltaic effect in magnetic van der Waals heterostructures. <i>Science Advances</i> , 2021, 7, eabg8094.	4.7	15
23	Direct visualization of magnetic domains and moiré magnetism in twisted 2D magnets. <i>Science</i> , 2021, 374, 1140-1144.	6.0	144
24	Antiferromagnetic Order and Linear Magnetoresistance in Fe-Substituted Shandite $\text{Co}_3\text{In}_2\text{S}_2$. <i>Chemistry of Materials</i> , 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. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	4
26	Possible observation of Kondo screening cloud in $\text{Yb}_{14}\text{MnSb}_{11}$. <i>Philosophical Magazine</i> , 2020, 100, 1204-1210.	0.7	1
27	Tunable quadruple-well ferroelectric van der Waals crystals. <i>Nature Materials</i> , 2020, 19, 43-48.	13.3	140
28	Tuning inelastic light scattering via symmetry control in the two-dimensional magnet CrI_3 . <i>Nature Nanotechnology</i> , 2020, 15, 212-216.	15.6	90
29	Observation of a Large Magnetic Anisotropy and a Field-Induced Magnetic State in $\text{SrCo}(\text{VO}_4)(\text{OH})$: A Structure with a Quasi One-Dimensional Magnetic Chain. <i>Inorganic Chemistry</i> , 2020, 59, 1029-1037.	1.9	7
30	Synthesis, structure and magnetic properties of $\text{Ba}_3\text{M}_2\text{Ge}_4\text{O}_{14}$ (M = Mn and Fe): Quasi-one-dimensional zigzag chain compounds. <i>Journal of Solid State Chemistry</i> , 2020, 283, 121090.	1.4	5
31	Iodine orbital moment and chromium anisotropy contributions to CrI_3 magnetism. <i>Applied Physics Letters</i> , 2020, 117, 022411.	1.5	8
32	Piezoelectric domain walls in van der Waals antiferroelectric $\text{CuInP}_2\text{Se}_6$. <i>Nature Communications</i> , 2020, 11, 3623.	5.8	47
33	A practical guide for crystal growth of van der Waals layered materials. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	44
34	Local Strain and Polarization Mapping in Ferrielectric Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38546-38553.	4.0	14
35	Cleavable magnetic materials from van der Waals layered transition metal halides and chalcogenides. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	29
36	Flat bands in the CoSn -type compounds. <i>Physical Review B</i> , 2020, 102, .	1.1	52

#	ARTICLE	IF	CITATIONS
37	The Concept of Negative Capacitance in Ionically Conductive Van der Waals Ferroelectrics. <i>Advanced Energy Materials</i> , 2020, 10, 2001726.	10.2	30
38	Light induced electron spin resonance properties of van der Waals CrX ₃ (X = Cl, I) crystals. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	12
39	Emergent phenomena and proximity effects in two-dimensional magnets and heterostructures. <i>Nature Materials</i> , 2020, 19, 1276-1289.	13.3	213
40	Cryo-quenched Fe-Ni-Cr alloy decorative steel single crystals II: Alloy phases, structure, hardness, tensile, tribological, magnetic and electronic properties. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155169.	2.8	2
41	Copper-Carbon Nanotube Composites Enabled by Electrospinning for Advanced Conductors. <i>ACS Applied Nano Materials</i> , 2020, 3, 6863-6875.	2.4	15
42	Magnetic proximity and nonreciprocal current switching in a monolayer WTe ₂ helical edge. <i>Nature Materials</i> , 2020, 19, 503-507.	13.3	53
43	Domains and Topological Defects in Layered Ferrielectric Materials: Implications for Nanoelectronics. <i>ACS Applied Nano Materials</i> , 2020, 3, 8161-8166.	2.4	4
44	Layer-resolved magnetic proximity effect in van der Waals heterostructures. <i>Nature Nanotechnology</i> , 2020, 15, 187-191.	15.6	169
45	A-type antiferromagnetic order in MnBi ₄ and MnBi ₆ single crystals. <i>Physical Review Materials</i> , 2020, 4, .	0.9	77
46	Tuning magnetic order in the van der Waals metal Fe ₅ Sn ₂ by cobalt substitution. <i>Physical Review Materials</i> , 2020, 4, .	0.9	77
47	Competing magnetic phases and fluctuation-driven scalar spin chirality in the kagome metal YMn ₆ Sn ₆ . <i>Science Advances</i> , 2020, 6, .	4.7	103
48	Helicity-Dependent Coherent Spin-Phonon Oscillations in the Ferromagnetic van der Waals Crystal CrI ₃ . , 2020, , .		1
49	Electron Spin Resonance Properties of CrI ₃ and CrCl ₃ Single Crystals. <i>MRS Advances</i> , 2019, 4, 2169-2175.	0.5	6
50	Giant nonreciprocal second-harmonic generation from antiferromagnetic bilayer CrI ₃ . <i>Nature</i> , 2019, 572, 497-501.	13.7	309
51	Switching 2D magnetic states via pressure tuning of layer stacking. <i>Nature Materials</i> , 2019, 18, 1298-1302.	13.3	358
52	Voltage Control of a van der Waals Spin-Filter Magnetic Tunnel Junction. <i>Nano Letters</i> , 2019, 19, 915-920.	4.5	129
53	Evolution of structural, magnetic, and transport properties in MnBi ₂ Cr ₂ Physical Review B, 2019, 100, .		1
54	STEM Study of Structure and Local Short-Range Orders in the Fe ₅ GeTe ₂ Crystals with Ferromagnetism Near Room Temperature. <i>Microscopy and Microanalysis</i> , 2019, 25, 956-957.	0.2	1

#	ARTICLE	IF	CITATIONS
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 transition metal halide $\text{Sr}_{1-x}\text{Co}_x\text{Fe}_2\text{As}_2$. Physical Review B, 2019, 99, .	1.1	18
57	Atomically Thin CrCl_3 : 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 $\text{Sr}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ 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 MoCl_5 . Chemistry of Materials, 2019, 31, 2952-2959.	3.2	6
61	Ferromagnetism Near Room Temperature in the Cleavable van der Waals Crystal Fe_5GeTe_2 . ACS Nano, 2019, 13, 4436-4442.	7.3	266
62	Effects of High Magnetic Fields on Phase Transformations in Amorphous $\text{Nd}_2\text{Fe}_{14}\text{B}$. Magnetochemistry, 2019, 5, 16.	1.0	6
63	Hydrothermal synthesis of lanthanide rhenium oxides: Structures and magnetism of $\text{Ln}_2\text{Re}_2\text{O}_7(\text{OH})$ (Ln = Tb, Dy, Er, Yb). Chemistry of Materials, 2019, 31, 2952-2959.	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 RVO_3 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	Room Temperature Ferromagnetic Insulating State in Cation-Ordered Double Perovskite $\text{Sr}_2\text{Fe}_{1+x}\text{Re}_x\text{O}_{6+2x}$ Films. Advanced Materials, 2019, 31, e1805389.	1.1	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 $\text{Na}_3\text{Fe}_3\text{S}_7$ with a honeycomb arrangement of Fe^{2+} ions. Physical Review Materials, 2019, 3, .	0.9	49
71	Physical properties and thermal stability of Fe_5GeTe_2 single crystals. Physical Review Materials, 2019, 3, .	0.9	17
72	Electronic, magnetic, and thermodynamic properties of the kagome layer compound FeSn . Physical Review Materials, 2019, 3, .	0.9	49

#	ARTICLE	IF	CITATIONS
73	High-pressure phase of CrS : A new quasi-one-dimensional itinerant magnet with competing interactions. <i>Physical Review Materials</i> , 2018, 3, 031101.	0.9	2
74	The Crystal Structure and Magnetic Behavior of Quinary Osmate and Ruthenate Double Perovskites $\text{La}_{1-x}\text{ABO}_6$ ($A = \text{Ca, Sr}; B = \text{Co, Ni}; B' = \text{Ru, Os}$). <i>Inorganic Chemistry</i> , 2018, 57, 2989-3001.	1.9	20
75	Electrical control of 2D magnetism in bilayer CrI_3 . <i>Nature Nanotechnology</i> , 2018, 13, 544-548.	15.6	975
76	Two halide-containing cesium manganese vanadates: synthesis, characterization, and magnetic properties. <i>Dalton Transactions</i> , 2018, 47, 2619-2627.	1.6	10
77	Giant tunneling magnetoresistance in spin-filter van der Waals heterostructures. <i>Science</i> , 2018, 360, 1214-1218.	6.0	871
78	Negative thermal expansion and magnetoelastic coupling in the breathing pyrochlore lattice material $\text{LiGaCr}_4\text{S}_8$. <i>Physical Review B</i> , 2018, 97, .	1.1	1
79	LaCu_6 : A promising host of an elastic quantum critical point. <i>Physica B: Condensed Matter</i> , 2018, 536, 479-482.	1.1	1
80	Ligand-field helical luminescence in a 2D ferromagnetic insulator. <i>Nature Physics</i> , 2018, 14, 277-281.	6.5	275
81	Real-Space Study of Charge and Orbital Ordering in $\text{La}_{0.6}\text{Sr}_{2.4}\text{Mn}_2\text{O}_7$ Manganite Single Crystal. <i>Microscopy and Microanalysis</i> , 2018, 24, 106-107.	0.2	0
82	Microstructural Development in Melt-spun $\text{Nd}_2\text{Fe}_{14}\text{B}$ Under High Magnetic Field Annealing. <i>Microscopy and Microanalysis</i> , 2018, 24, 958-959.	0.2	1
83	Tuning magnetocrystalline anisotropy by cobalt alloying in hexagonal Fe_3Ge_1 . <i>Scientific Reports</i> , 2018, 8, 14206.	1.6	13
84	Real Space Visualization of Competing Phases in $\text{La}_{0.6}\text{Sr}_{2.4}\text{Mn}_2\text{O}_7$ Single Crystals. <i>Chemistry of Materials</i> , 2018, 30, 7962-7969.	3.2	7
85	The magnetic order of a manganese vanadate system with two-dimensional striped triangular lattice. <i>AIP Advances</i> , 2018, 8, 101407.	0.6	6
86	Valley Manipulation by Optically Tuning the Magnetic Proximity Effect in $\text{WSe}_2/\text{CrI}_3$ Heterostructures. <i>Nano Letters</i> , 2018, 18, 3823-3828.	4.5	281
87	Two-channel model for ultralow thermal conductivity of crystalline Tl_3VSe_4 . <i>Science</i> , 2018, 360, 1455-1458.	6.0	206
88	Locally Controlled Cu-Ion Transport in Layered Ferroelectric CuInP_2S_6 . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27188-27194.	4.0	68
89	Spin freezing into a disordered state in CaFeTiO_6 synthesized under high pressure. <i>Physical Review B</i> , 2018, 98, .	1.1	2
90	Extended exchange interactions stabilize long-period magnetic structures in Cr_3NbS_2 . <i>Applied Physics Letters</i> , 2018, 113, 032404.	1.5	16

#	ARTICLE	IF	CITATIONS
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 Ir^2MoCl_4 . Physical Review Materials, 2018, 2, .	0.9	5
93	Evolution of structural and magnetic properties in $\text{La}_x\text{Ce}_{2-x}\text{Co}_{16}\text{Ti}$ for $0 \leq x \leq 2$. Journal of Alloys and Compounds, 2017, 695, 2266-2272.	2.8	5
94	Magnetic field control of microstructural development in melt-spun $\text{Pr}_{1-x}\text{Mn}_x\text{B}_2$. Journal of Magnetism and Magnetic Materials, 2017, 430, 85-88.	1.0	2
95	Phase relationships in the CeFe_8 . 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 Cu_4SnS_4 . Journal of Solid State Chemistry, 2017, 253, 192-201.	1.4	23
98	Heat capacity, resistivity, and angular dependent magnetization studies of single crystal $\text{Nd}_{1+x}\text{Fe}_4\text{B}_4$ for $0 \leq x \leq 17$. 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 V^{4+} $\text{S} = 1/2$ Triangles: $\text{NaSr}_2\text{V}_3\text{O}_3(\text{Ge}_4\text{O}_{13})\text{Cl}$ and $\text{KSr}_2\text{V}_3\text{O}_3(\text{Ge}_4\text{O}_{13})\text{Cl}$. Chemistry of Materials, 2017, 29, 1404-1412.	3.2	18
101	Synthesis, Crystal and Electronic Structures, and Optical Properties of $(\text{CH}_3\text{NH}_3)_2\text{CdX}_4$ ($X = \text{Cl}, \text{Br}, \text{I}$). Inorganic Chemistry, 2017, 56, 13878-13888.	1.9	78
102	Metal Thio- 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 $\text{Na}_2\text{BaFe}(\text{VO}_4)_2$: 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 CrTe_3 . Physical Review B, 2017, 95, .	1.1	44
107	Magnetic order and interactions in ferrimagnetic Mn_3B . Physical Review B, 2017, 95, .	2.3	10
108	Cationic Eutectic Transition via Sublattice Melting in $\text{CuInP}_2\text{S}_6/\text{In}_4\text{P}_2\text{S}_6$ van der Waals Layered Crystals. ACS Nano, 2017, 11, 7060-7073.	7.3	54

#	ARTICLE	IF	CITATIONS
109	Quantum critical behavior in the asymptotic limit of high disorder in the medium entropy alloy NiCoCr _{0.8} . Npj Quantum Materials, 2017, 2, .	1.8	18
110	Flux growth and characterization of Ce-substituted Nd ₂ B 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 CrCl ₃ crystals. Physical Review Materials, 2017, 1, .	0.9	23
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 CaCo ₃ O ₇ synthesized under high pressure. Physical Review Materials, 2017, 1, .	0.9	9
116	High-temperature magnetostructural transition in van der Waals-layered Ir ₂ Te ₅ . Physical Review Materials, 2017, 1, .	0.9	17
117	Giant reversible magnetocaloric effect in the pyrochlore Er ₂ O ₇ due to a cooperative two-sublattice ferromagnetic order. Physical Review Materials, 2017, 1, .	0.9	16
118	Differentiation of Surface and Bulk Conductivities via Four-probe Spectroscopy. Microscopy and Microanalysis, 2016, 22, 384-385.	0.2	0
119	Manganese Vanadate Chemistry in Hydrothermal BaF ₂ Brines: Ba ₃ Mn ₂ (V ₂ O ₇) ₂ F ₂ and Ba ₇ Mn ₈ O ₂ (VO ₄) ₂ F ₂₃ . Inorganic Chemistry, 2016, 55, 12512-12515.	1.9	12
120	Candidate Elastic Quantum Critical Point in LaCu ₆ Physical Review Letters, 2016, 117, 235701.	2.9	14
121	Atomic structure changes upon doping in the normal state of the pnictide high-temperature superconductor		

#	ARTICLE	IF	CITATIONS
127	Synthesis and characterization of new fluoride-containing manganese vanadates $A_2Mn_2V_2O_7F_2$ (A=Rb.) <i>Tj ETQq1</i>	1.4	14
128	Honeycomb-like $S = 5/2$ Spin ^{1/2} Lattices in Manganese(II) Vanadates. <i>Inorganic Chemistry</i> , 2016, 55, 9240-9249.	1.9	27
129	Structural phase transition and phonon instability in $S_{13}Cu_{12}$ <i>Physical Review B</i> , 2016, 93.	1.1	48
130	Fragile singlet ground-state magnetism in the pyrochlore osmates OR_2O_7	1.1	15
131	Enhanced ferroelectric polarization and possible morphotropic phase boundary in PZT-based alloys. <i>Physical Review B</i> , 2016, 93.	1.1	7
132	Structural and magnetic characterization of the one-dimensional S_5MO_2 antiferromagnetic chain system	1.1	0

#	ARTICLE	IF	CITATIONS
145	Fragile structural transition in MoB Role of magnetism in superconductivity of BaF_2e	1.1	10
146	Structural and magnetic phase transitions in CeCu_5s		
147			

#	ARTICLE	IF	CITATIONS
163	<p>Physical Review Letters 2013, 111, 147401</p> <p>Physical Forward Scattering of Synchrotron Radiation by</p> $\langle \text{Ru} \rangle$	2.9	8
164	<p>Phonon scattering rates and atomic ordering in</p> $\langle \text{Ag} \rangle_1$		

#	ARTICLE	IF	CITATIONS
181	Flux growth and physical properties of Mo_3Sb_7 single crystals. Physical Review B, 2013, 87, .	1.1	13
182	Doping dependence of the spin excitations in the Fe-based superconductors $\text{Fe}_{1+y}\text{Te}_{1-x}\text{S}_x$. Physical Review B, 2013, 87, .	1.1	12
183		1.1	10
184	Magnetotransport properties of single-crystalline LaFeAsO . Physical Review B, 2013, 88, .	1.1	7
185	Effect of pressure, temperature, fluorine doping, and rare earth elements on the phonon density of states of LFeAsO studied by nuclear inelastic scattering. Physical Review B, 2013, 87, .	1.1	9
186	Transport, thermal, and magnetic properties of the narrow-gap semiconductor CrSb_2 . Physical Review B, 2012, 86, .	1.1	43
187	Effect of molybdenum4dhole substitution in BaFe_2As_2 . Physical Review B, 2012, 85, .	1.1	27
188	Publisher's Note: Spin Reorientation in $\text{TFe}_{1.6}\text{Se}_2$ with Complete Vacancy Ordering [Phys. Rev. Lett.109, 077003 (2012).]. Physical Review Letters, 2012, 109, .	2.9	1
189	Coupled structural and magnetic antiphase domain walls on BaFe_2As_2 itinerant electrons, local moments, and magnetic correlations in the pnictide superconductors CeFeAsO . Physical Review B, 2012, 86, .	1.1	12
190			

#	ARTICLE	IF	CITATIONS
199	Direct probe of the variability of Coulomb correlation in iron pnictide superconductors. Physical Review B, 2012, 85, .	1.1	4
200	Size effects on thermoelectricity in a strongly correlated oxide. Physical Review B, 2012, 85, .	1.1	12
201	Spin Reorientation in $\text{TiFe}_{1.6}\text{Se}_2$ Complete Vacancy Ordering. Physical Review Letters, 2012, 109, 077003.	1.1	11
202	Complex itinerant ferromagnetism in noncentrosymmetric CrGe_3Te_4 . Physical Review B, 2012, 85, .	1.1	23
203	Thermoelectric transport properties of CaMg_2Bi_2 below room temperature. Physical Review B, 2012, 86, .	1.1	11
204	Pressure effects on the transport coefficients of Bi_2Te_3 . Physical Review B, 2011, 84, .	1.1	75
205	Dielectric-Enhanced Hall Mobility in Complex Oxides. Advanced Materials, 2012, 24, 3965-3969.	11.1	24
206	Phase transition and superconductivity of SrFeAs_2 under high pressure. Journal of Physics Condensed Matter, 2011, 23, 122201.	0.7	45
207	Magnetism and Disorder Effects on Muon Spin Rotation Measurements of the Magnetic Penetration Depth in Iron-Arsenic Superconductors. Physical Review Letters, 2011, 106, 127002.	2.9	28
208	Structure and Properties of Single Crystalline CaMg_2Bi_2 , EuMg_2Bi_2 , and YbMg_2Bi_2 . Inorganic Chemistry, 2011, 50, 11127-11133.	1.9	74
209	Pressure effects on the transport coefficients of FeTe . Physical Review B, 2011, 84, .	1.1	66
210	Spectroscopic dielectric tensor of monoclinic crystals: CdWO_4 . Physical Review B, 2011, 84, .	1.1	22
211	Elastic and magnetostrictive properties of $\text{Tb}_6\text{Fe}_{1-x}\text{Co}_x\text{Bi}_2$ ($0 \leq x \leq 0.375$). Journal of Applied Physics, 2011, 109, .	1.1	2
213	Effect of annealing on the specific heat of optimally doped $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$. Journal of Physics: Conference Series, 2011, 273, 012094.	0.3	10
214	Transport and optical properties of heavily hole-doped semiconductors BaCu_2Se_2 and BaCu_2Te_2 . Journal of Solid State Chemistry, 2011, 184, 2744-2750.	1.4	25
215	Giant anharmonic phonon scattering in PbTe . Nature Materials, 2011, 10, 614-619.	13.3	561
216	Search for pressure-induced superconductivity in CeFeAsO and CeFePO iron pnictides. Physical Review B, 2011, 83, .	1.1	26

#	ARTICLE	IF	CITATIONS
217	Variation of physical properties in the nominal SrV ₂ O ₆ Fe ₂ As ₂ . Physica C: Superconductivity and Its Applications, 2011, 471, 143-149.	0.6	18
218	Thermoelectric properties of Co-, Ir-, and Os-doped FeSi alloys: Evidence for strong electron-phonon coupling. Physical Review B, 2011, 83, .	1.1	64
219	Spatial inhomogeneity in RFeAsO _{1-x} Fx (R=Pr, Nd) determined from rare-earth crystal-field excitations. Physical Review B, 2011, 83, .	1.1	11
220	Unusual phase transitions and magnetoelastic coupling in TlFe _{1.6} Se ₂ single crystals. Physical Review B, 2011, 83, .	1.1	21
221	Publisher's Note: Unusual phase transitions and magnetoelastic coupling in TlFe _{1.6} Se ₂ single crystals [Phys. Rev. B 83, 224510 (2011)]. Physical Review B, 2011, 84, .	1.1	0
222	Structural and magnetic properties of Tb ₆ Fe _{1-x} CoxBi ₂ (0 ≤ x ≤ 0.375) compounds. Journal of Applied Physics, 2011, 109, .	1.1	8
223	Structural phase transitions in EuFe ₂ As ₂ superconductor at low temperatures and high pressures. Journal of Physics Condensed Matter, 2011, 23, 365703.	0.7	15
224	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
225	New Fe-based superconductors: properties relevant for applications. Superconductor Science and Technology, 2010, 23, 034003.	1.8	253
226	Synthesis, crystal structure, and properties of the rhombohedral modification of the thiospinel CuZr _{1.86} (1)S ₄ . Journal of Solid State Chemistry, 2010, 183, 606-612.	1.4	9
227	Superconductivity near a quantum critical point in Ba(Fe _{1-x} Co) ₂ As ₂ . Physica C: Superconductivity and Its Applications, 2010, 470, S273-S275.	0.6	2
228	A semimetal model of the normal state magnetic susceptibility and transport properties of Ba(Fe _{1-x} Cox) ₂ As ₂ . Physica C: Superconductivity and Its Applications, 2010, 470, 304-308.	0.6	29
229	Evolution of spin excitations into the superconducting state in FeTe _{1-x} Sex. Nature Physics, 2010, 6, 182-186.	6.5	151
230	Point-contact spectroscopic studies on normal and superconducting AF ₂ As ₂ -type iron pnictide single crystals. Superconductor Science and Technology, 2010, 23, 054009.	1.8	20
231	Magnetic phase transitions in NdCoAsO. Physical Review B, 2010, 81, .	1.1	44
232	Orbital symmetry of $\langle \langle \text{Ba} \rangle \rangle$ Physical Review B, 2010, 81, .	1.1	22
233	Electronic structure of $\langle \langle \text{Ba} \rangle \rangle$		

#	ARTICLE	IF	CITATIONS
235	Anomalous compressibility effects and superconductivity of EuFe_2As_2 under high pressures. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 292202.	0.7	73
236	Structural and magnetic phase transitions in NdCoAsO under high pressures. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 185702.	0.7	6
237	Doping-dependent specific heat study of the superconducting gap in $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$: low-temperature specific heat study. <i>Physical Review B</i> , 2010, 81, .	1.1	58
238	Gap structure in the electron-doped iron arsenide superconductor $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$: low-temperature specific heat study. <i>New Journal of Physics</i> , 2010, 12, 023006.	1.2	42
239	Temperature and pressure dependence of the Fe-specific phonon density of states in $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$. <i>Physical Review B</i> , 2010, 81, .	1.1	18
240	Materials Chemistry of BaFe_2As_2 : A Model Platform for Unconventional Superconductivity. <i>Chemistry of Materials</i> , 2010, 22, 715-723.	3.2	72
241	Iron substitution in NdCoAsO : Crystal structure and magnetic phase diagram. <i>Physical Review B</i> , 2010, 82, .	1.1	5
242	Unusual Relationship between Magnetism and Superconductivity in $\text{FeTe}_{0.5}\text{Se}_{0.5}$. <i>Physical Review Letters</i> , 2010, 104, 187002.	2.9	62
243	Effects of Nematic Fluctuations on the Elastic Properties of Iron Arsenide Superconductors. <i>Physical Review Letters</i> , 2010, 105, 157003.	2.9	318
244	Electronic, magnetic and optical properties of two Fe-based superconductors and related parent compounds. <i>Superconductor Science and Technology</i> , 2010, 23, 054005.	1.8	14
245	Phonons in doped and undoped BaFe_2As_2 by inelastic x-ray scattering. <i>Physical Review B</i> , 2009, 80, .	1.5	157
246	Spin excitations in BaFe_2As_2 observed by inelastic neutron scattering. <i>Physical Review B</i> , 2009, 80, .	1.8	113
247	Low-temperature thermal conductivity of BaFe_2As_2 : A parent compound of iron arsenide superconductors. <i>Physical Review B</i> , 2009, 79, .	1.1	9
248	^{59}Co and ^{75}As NMR investigation of lightly doped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ ($x=0.02, 0.04$). <i>Physical Review B</i> , 2009, 79, .	1.1	36
249	Two-dimensional resonant magnetic excitation in $\text{BaFe}_{1.84}\text{Co}_{0.16}$. <i>Physical Review Letters</i> , 2009, 102, 107005.	2.9	237
250	Surface Geometric and Electronic Structures of $\text{BaFe}_{2-x}\text{As}_2$. <i>Physical Review Letters</i> , 2009, 102, 107005.	2.9	159
251	Aligned crystallite powder of $\text{NdFeAsO}_{0.86}\text{F}_{0.14}$: Magnetic hysteresis and penetration depth. <i>Physical Review B</i> , 2009, 79, .	1.1	4
252	Probing microscopic variations of superconductivity on the surface of $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$. <i>Physical Review B</i> , 2009, 80, .	1.1	5

#	ARTICLE	IF	CITATIONS
253	Structure and anisotropic properties of< mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

#	ARTICLE	IF	CITATIONS
271	Itinerant antiferromagnetism in BaCr_2As_2 . Experimental characterization and electronic structure calculations. Physical Review B, 2009, 79, .	1.68	168
272	New correlated electron physics from new materials. Physica B: Condensed Matter, 2009, 404, 2924-2929.	1.3	17
273	Effect of pressure on the superconducting critical temperature of $\text{La}[0.89\text{F}0.11]\text{FeAs}$ and $\text{Ce}[0.88\text{F}0.12]\text{FeAs}$. Physica C: Superconductivity and Its Applications, 2008, 468, 2229-2232.	0.6	48
274	Two-band superconductivity in $\text{LaFeAsO}_{0.89}\text{F}_{0.11}$ at very high magnetic fields. Nature, 2008, 453, 903-905.	13.7	490
275	Electronic correlations in the superconductor $\text{LaFeAsO}_{0.89}\text{F}_{0.11}$. Physical Review Letters, 2008, 101, 117004.	1.1	214
276	Superconductivity at 22 K in Co-Doped BaFe_2As_2 . Physical Review Letters, 2008, 101, 117004.	2.9	198
277	Phonon Density of States of LaFeAsO_x . Physical Review Letters, 2008, 101, 157004.	2.9	65
278	Pressure effects on the electron-doped high-Tc superconductor BaFe_2As_2 . Journal of Physics Condensed Matter, 2008, 20, 472201.	0.7	48
279	Phase transitions in LaFeAsO : Structural, magnetic, elastic, and transport properties, heat capacity and Mössbauer spectra. Physical Review B, 2008, 78, .	1.1	284
280	Effects of high-pressure high-temperature treatment on the thermoelectric properties of PbTe. Journal of Alloys and Compounds, 2008, 460, 8-12.	2.8	22
281	Comparative high-field magnetotransport of the oxypnictide superconductors $\text{RFeAsO}_{1-x}\text{F}_x$ (R=La, Nd) and $\text{SmFeAsO}_{1-x}\text{F}_x$. Physical Review B, 2008, 78, .	1.1	121
282	^{59}Co and ^{75}As NMR Investigation of Electron-Doped High-Tc Superconductor $\text{BaFe}_{1.8}\text{Co}_{0.2}\text{As}_2$ (Tc = 22 K). Journal of the Physical Society of Japan, 2008, 77, 103705.	0.7	99
283	Superconductivity in $\text{LaFeAsO}_{0.89}\text{F}_{0.11}$. Physical Review B, 2008, 78, .	1.1	105
284	Evidence for electromagnetic granularity in the polycrystalline iron-based superconductor $\text{LaO}_{0.89}\text{F}_{0.11}\text{FeAs}$. Applied Physics Letters, 2008, 92, 252501.	1.5	59
285	^{51}V NMR investigation of the iron pnictide superconductor $\text{LaFeAsO}_{0.89}\text{F}_{0.11}$. Physical Review B, 2008, 78, .	1.1	120
286	Evidence for Strong Itinerant Spin Fluctuations in the Normal State of $\text{CeFeAsO}_{0.89}\text{F}_{0.11}$. Physical Review Letters, 2008, 101, 267001.	2.9	106
287	NMR Measurements of Intrinsic Spin Susceptibility in $\text{LaFeAsO}_{0.9}\text{F}_{0.1}$. Journal of the Physical Society of Japan, 2008, 77, 47-53.	0.7	16
288	Synthesis and thermoelectric properties of alloys. Journal of Alloys and Compounds, 2007, 431, 262-268.	2.8	10

#	ARTICLE	IF	CITATIONS
289	Ni ₃ Cr ₂ P ₂ Q ₉ (Q = S, Se): New Quaternary Transition Metal Chalcogenides with a Unique Layered Structure. Chemistry of Materials, 2007, 19, 4600-4605.	3.2	9
290	W ₆ S ₈ Inorganic Clusters with Organic TTF Derivative Ligands: In Pursuit of Multidimensional Conductive Networks. Chemistry of Materials, 2006, 18, 4296-4306.	3.2	21
291	Radiolytic purification of CaO by electron beams. Philosophical Magazine, 2006, 86, 2907-2917.	0.7	13
292	Cu ₄ Mo ₆ Se ₈ : Synthesis, Crystal Structure, and Electronic Structure of a New Chevrel Phase Structure Type. Inorganic Chemistry, 2006, 45, 2718-2726.	1.9	7
293	Crystal structure, electronic structure, and thermoelectric properties of AuTeSb: A new pyrite superstructure. Journal of Alloys and Compounds, 2006, 425, 81-87.	2.8	6
294	Thermoelectric and structural properties of a new Chevrel phase: Ti _{0.3} Mo ₅ RuSe ₈ . Journal of Solid State Chemistry, 2006, 179, 2158-2163.	1.4	17
295	Synthesis and characterization of. Journal of Solid State Chemistry, 2005, 178, 3494-3499.	1.4	8
296	Exploring Thallium Compounds as Thermoelectric Materials: Seventeen New Thallium Chalcogenides. Chemistry of Materials, 2005, 17, 2875-2884.	3.2	56
297	Tl ₂ AXTe ₄ (A = Cd, Hg, Mn; X = Ge, Sn): Crystal Structure, Electronic Structure, and Thermoelectric Properties. Chemistry of Materials, 2005, 17, 6186-6191.	3.2	37
298	Sr ₁₀ [Mo ₂ N ₆][MoN ₄] ₂ and ?-Sr ₃ MoN ₄ . ChemInform, 2005, 36, no.	0.1	0
299	Exploring Thallium Compounds as Thermoelectric Materials: Seventeen New Thallium Chalcogenides.. ChemInform, 2005, 36, no.	0.1	0
300	The Indium Subnitrides Ae ₆ In ₄ (In _x Li _y)N _{3-z} (Ae = Sr and Ba). Inorganic Chemistry, 2005, 44, 6680-6690.	1.9	13
301	Four-Well Tunneling States and Elastic Response of Clathrates. Physical Review Letters, 2004, 92, 185502.	2.9	59
302	Metallic ϵ -Ferroelectricity in the Pyrochlore Cd ₂ Re ₂ O ₇ . Physical Review Letters, 2004, 92, 065501.	2.9	100
303	Thermoelectric properties and antiferromagnetism of the new ternary transition metal telluride CrAuTe ₄ . Journal of Solid State Chemistry, 2004, 177, 2998-3006.	1.4	13
304	Sr ₁₀ [Mo ₂ N ₆][MoN ₄] ₂ and ?-Sr ₃ MoN ₄ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 2177-2185.	0.6	11
305	When do bubbles cause a floating body to sink?. American Journal of Physics, 2001, 69, 1064-1072.	0.3	11
306	A rapid heating and high magnetic field thermal analysis technique. Journal of Thermal Analysis and Calorimetry, 0, , 1.	2.0	0