

Paul C Canfield

List of Publications by Year in descending order

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576
papers

28,331
citations

4960

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146
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582
all docs

582
docs citations

582
times ranked

12076
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron Isotope Effect in Superconducting MgB ₂ . Physical Review Letters, 2001, 86, 1877-1880.	7.8	877
2	Growth of single crystals from metallic fluxes. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1992, 65, 1117-1123.	0.6	689
3	Probing magnetism in 2D van der Waals crystalline insulators via electron tunneling. Science, 2018, 360, 1218-1222.	12.6	668
4	Superconductivity in Dense MgB ₂ Wires. Physical Review Letters, 2001, 86, 2423-2426.	7.8	522
5	Effects of Co substitution on thermodynamic and transport properties and anisotropic χ of MgB ₂ . Physical Review Letters, 2001, 86, 2423-2426.		

#	ARTICLE	IF	CITATIONS
19	Similarities between structural distortions under pressure and chemical doping in superconducting BaFe ₂ As ₂ . Nature Materials, 2009, 8, 471-475.	27.5	266
20	Uniaxial-strain mechanical detwinning of CaFe_2As_2 . Physical Review B, 2010, 81, .	3.2	255
21	Vortex phase diagram of BaFe_2As_2 . Physical Review B, 2008, 78, .	3.2	237
22	Evidence for a Lifshitz transition in electron-doped iron arsenic superconductors at the onset of superconductivity. Nature Physics, 2010, 6, 419-423.	16.7	237
23	Six closely related YbT ₂ Zn ₂₀ (T = Fe, Co, Ru, Rh, Os, Ir) heavy fermion compounds with large local moment degeneracy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9960-9963.	7.1	226
24	Dirac node arcs in PtSn ₄ . Nature Physics, 2016, 12, 667-671.	16.7	223
25	Use of frit-disc crucibles for routine and exploratory solution growth of single crystalline samples. Philosophical Magazine, 2016, 96, 84-92.	1.6	196
26	Unconventional pairing in the iron arsenide superconductors. Physical Review B, 2010, 81, .	3.2	191
27	Magnetic pair breaking in HoNi ₂ B ₂ C. Physical Review B, 1994, 50, 9668-9671.	3.2	189
28	Decoupling of the superconducting and magnetic/structural phase transitions in electron-doped BaFe_2As_2 . Physical Review B, 2009, 80, .	3.2	188
29	Temperature versus doping phase diagrams for BaFe_2As_2 . Physical Review B, 2010, 82, .	3.2	185
30	High-temperature solution growth of intermetallic single crystals and quasicrystals. Journal of Crystal Growth, 2001, 225, 155-161.	1.5	176
31	Temperature-Induced Lifshitz Transition in WTe_2 . Physical Review Letters, 2015, 115, 166602.	7.8	176
32	Magnetism and heavy fermion-like behavior in the RBiPt series. Journal of Applied Physics, 1991, 70, 5800-5802.	2.5	173
33	Structural transition and anisotropic properties of single-crystalline SrFe_2As_2 . Physical Review B, 2008, 78, .	3.2	168
34	Anisotropy of the iron pnictide superconductor BaFe_2As_2 . Physical Review B, 2009, 79, .	3.2	168
35	Structural transition and anisotropic properties of single-crystalline SrFe_2As_2 . Physical Review B, 2009, 79, .	3.2	167
36	Systematic study of anisotropic transport and magnetic properties of RAgSb ₂ (R=Y, La, Nd, Sm, Gd, Tm). Journal of Magnetism and Magnetic Materials, 1999, 205, 27-52.	2.3	165

#	ARTICLE	IF	CITATIONS
37	Enhancement of interlayer exchange in an ultrathin two-dimensional magnet. Nature Physics, 2019, 15, 1255-1260.	16.7	165
38	Lattice collapse and quenching of magnetism in CaFe_2As_2 under pressure: A single-crystal neutron and x-ray diffraction investigation. Physical Review B, 2009, 79, .	3.2	164
39	Phase diagrams of BaFe_2As_2 . Physical Review B, 2009, 80, .	3.2	163
40	Determination of anisotropic magnetic susceptibility of BaFe_2As_2 up to 60 T in BaFe_2As_2 . Physical Review B, 2008, 78, .	3.2	161
41	Possible Correlated-Electron Behavior from Quadrupolar Fluctuations in PrInAg_2 . Physical Review Letters, 1996, 77, 3637-3640.	7.8	160
42	Absence of superconductivity in single-phase CaFe_2As_2 under hydrostatic pressure. Physical Review B, 2009, 79, .	3.2	156
43	Protein-Mediated Synthesis of Uniform Superparamagnetic Magnetite Nanocrystals. Advanced Functional Materials, 2007, 17, 951-957.	14.9	154
44	An overview of the basic physical properties of MgB_2 . Physica C: Superconductivity and Its Applications, 2003, 385, 1-7.	1.2	150
45	Magnetic structure of $\text{ErNi}_2\text{B}_2\text{C}$. Physical Review B, 1995, 51, 678-680.	3.2	148
46	Jump in specific heat at the superconducting transition temperature in BaFe_2As_2 . Physical Review B, 2009, 79, .	3.2	146
47	Nodes in the gap structure of the iron arsenide superconductor BaFe_2As_2 . Physical Review B, 2010, 82, .	3.2	143
48	Magnetic field effects on transport properties of PtSn . Physical Review B, 2012, 85, .	3.2	141
49	Microscopic coexistence of magnetism and superconductivity in $\text{ErNi}_2\text{B}_2\text{C}$. Nature, 1996, 382, 236-238.	27.8	137
50	Doping Dependence of Heat Transport in the Iron-Arsenide Superconductor BaFe_2As_2 . Physical Review Letters, 2010, 104, 067002.	3.2	137
51	Possible co-existence of superconductivity and weak ferromagnetism in $\text{ErNi}_2\text{B}_2\text{C}$. Physica C: Superconductivity and Its Applications, 1996, 262, 249-254.	1.2	136
52	Magnesium Diboride: Better Late than Never. Physics Today, 2003, 56, 34-40.	0.3	133
53	Character of the structural and magnetic phase transitions in the parent and electron-doped BaFe_2As_2 . Physical Review B, 2009, 79, .	3.2	132
54	Breakdown of de Gennes Scaling in $(\text{R}_1\text{A}^x\text{R}_2\text{A}^{2-x})\text{Ni}_2\text{B}_2\text{C}$ Compounds. Physical Review Letters, 1996, 77, 163-166.	7.8	131

#	ARTICLE	IF	CITATIONS
55	Direct imaging of the structural domains in the iron pnictides $A_{1-x}Fe_x$		2

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73	Determination of superconducting anisotropy from magnetization data on random powders as applied to LuNi ₂ B ₂ C, YNi ₂ B ₂ C, and MgB ₂ . Physical Review B, 2001, 64, .	3.2	99
74	Physical and magnetic properties of $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2010, 82, .	3.2	98
75	A family of binary magnetic icosahedral quasicrystals based on rare earths and cadmium. Nature Materials, 2013, 12, 714-718.	27.5	98
76	Origin of the Resistivity Anisotropy in the Nematic Phase of FeSe. Physical Review Letters, 2016, 117, 127001.	7.8	93
77	Superconducting MgB ₂ thin films by pulsed laser deposition. Applied Physics Letters, 2001, 79, 227-229.	3.3	92
78	London penetration depth in single crystals of $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2009, 79, .	3.2	92
79	Magnetic structure of GdNi ₂ B ₂ C by resonant and nonresonant x-ray scattering. Physical Review B, 1996, 53, 6355-6361.	3.2	91
80	Magnetic anisotropy and weak ferromagnetism of single-crystal TbNi ₂ B ₂ C. Physical Review B, 1996, 53, 8499-8505.	3.2	90
81	Muon-spin-relaxation studies of magnetic order and superfluid density in antiferromagnetic NdFeAsO, BaFe ₂ As ₂ , and superconducting Ba _{1-x} K _x Fe ₂ As ₂ . Physical Review B, 2008, 78, .	3.2	89
82	Phase transition in bulk single crystals and thin films of $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2007, 75, 93.	3.2	88
83	Resistivity anisotropy of $Ba_{1-x}K_xFe_2As_2$ and $KxFe_2As_2$. Physical Review B, 2007, 75, 93.	3.2	87
84	Antiferromagnetic ordering in the absence of structural distortion in $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2010, 82, .	3.2	87
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#	ARTICLE	IF	CITATIONS
91	Single pair of Weyl fermions in the half-metallic semimetal EuC_2As . Physical Review B, 2019, 99, .	3.2	83
92	Intertwined symmetry of the magnetic modulation and the flux-line lattice in the superconducting state of $\text{TmNi}_2\text{B}_2\text{C}$. <i>Nature</i> , 1998, 393, 242-245.	27.8	81
93	Nearly ferromagnetic Fermi-liquid behaviour in $\text{YFe}_2\text{Zn}_{20}$ and high-temperature ferromagnetism of $\text{CdFe}_2\text{Zn}_{20}$. <i>Nature Physics</i> , 2007, 3, 334-338.	16.7	81
94	Stabilization of an ambient-pressure collapsed tetragonal phase in CaFeAs_2 . Physical Review B, 2016, 94, .	3.2	81
95	Variation of transition temperatures and residual resistivity ratio in vapor-grown FeSe . <i>Physical Review B</i> , 2016, 94, .	3.2	81
96	Angular dependence of metamagnetic transitions in $\text{HoNi}_2\text{B}_2\text{C}$. <i>Physical Review B</i> , 1997, 55, 970-976.	3.2	80
97	Doping evolution of the absolute value of the London penetration depth and superfluid density in single crystals of FeSe . Physical Review B, 2016, 94, .		

#	ARTICLE	IF	CITATIONS
109	Very-low-temperature tunneling spectroscopy in the heavy-fermion superconductor PrOs ₄ Sb ₁₂ . Physical Review B, 2004, 69, .	3.2	67
110	Intrinsic magnetic properties of the superconductor NdFeAsO _{0.9} F _{0.1} from local and global measurements. New Journal of Physics, 2009, 11, 035004.	2.9	66
111	London penetration depth in $Ba_{1-x}Bi_xFe_2As_2$. Physical Review B, 2010, 82, .	3.2	66
112	Pseudogap and its critical point in the heavily doped $Ba_{1-x}Bi_xFe_2As_2$. Physical Review B, 2010, 82, .	3.2	66
113	thermodynamic and transport measurements, and pressure dependence of $Ba_{1-x}Bi_xFe_2As_2$. Physical Review B, 2015, 91, .	3.2	66
114	Reinvestigation of long-range magnetic ordering in icosahedral Tb-Mg-Zn. Physical Review B, 1998, 57, R11047-R11050.	3.2	64
115	Muon spin rotation measurement of the magnetic field penetration depth in $Ba_{1-x}Bi_xFe_2As_2$. Physical Review B, 2009, 80, .	3.2	64
116	Ultrafast observation of critical nematic fluctuations and giant magnetoelastic coupling in iron pnictides. Nature Communications, 2014, 5, 3229.	12.8	64
117	Optimization of the crystal growth of the superconductor $CaKFe_4As_8$ from solution in the $FeAs$. Physical Review Materials, 2017, 1, .	2.4	63
118	Systematic Studies of the Square-Hexagonal Flux Line Lattice Transition in Lu(Ni _{1-x} Cox) ₂ B ₂ C: The Role of Nonlocality. Physical Review Letters, 1999, 82, 4082-4085.	7.8	62
119	Magnetic properties of $R_{1-x}Fe_xAs_2$. Physical Review B, 2009, 79, 020407.	3.2	62
120	Magnetic ordering and structural distortion in Ru-doped $BaFe_2As_2$. Physical Review B, 2011, 83, 020407.	3.2	62
121	What Controls the Phase Diagram and Superconductivity in Ru-Substituted $BaFe_2As_2$?. Physical Review Letters, 2011, 107, 267002.	7.8	62
122	Giant magnetic anisotropy and tunnelling of the magnetization in Li ₂ (Li _{1-x} Fex)N. Nature Communications, 2014, 5, 3333.	12.8	60
123	Magnetic-field-tuned quantum criticality of the heavy-fermion system YbPtBi. Physical Review B, 2013, 87, .	3.2	59
124	Atomic Origin of Magnetocrystalline Anisotropy in Nd ₂ Fe ₁₄ B. Physical Review Letters, 2005, 95, 217207.	7.8	58
125	Solidification and loss of hydrostaticity in liquid media used for pressure measurements. Review of Scientific Instruments, 2015, 86, 123904.	1.3	58
126	Manipulating magnetism in the topological semimetal $EuCd_2As_2$. Physical Review B, 2020, 101, .	3.2	58

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127	Novel Ce magnetism in CeDipnictide and Diâ€Ce pnictide structures. Journal of Applied Physics, 1991, 70, 5992-5994.	2.5	57
128	Thermal expansion and anisotropic pressure derivatives of $\frac{\partial T}{\partial c}$		

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145	Phonon-mediated anisotropic superconductivity in the Y and Lu nickel borocarbides. Physical Review B, 2003, 67, .	3.2	50
146	Charge-density-wave orderings in LaAgSb ₂ : An x-ray scattering study. Physical Review B, 2003, 68, .	3.2	50
147	Upper and lower critical magnetic fields of superconducting NdFeAsO. Physical Review B, 2009, 79, .	3.2	50
148	Control of magnetic, nonmagnetic, and superconducting states in annealed Ca _{1-x} Fe _x O. Physical Review B, 2009, 79, .	3.2	50
149	Enhancement of superconducting transition temperature by pointlike disorder and anisotropic energy gap in FeSe single crystals. Physical Review B, 2016, 94, .	3.2	50
150	Systematic study of the superconducting and normal-state properties of neutron-irradiated MgB ₂ . Physical Review B, 2006, 73, .	3.2	49
151	Vortices in superconducting Ba ₂ (Fe _{0.93} Co _{0.07}) ₂ As ₂ studied via small-angle neutron scattering and Bitter decoration. Physical Review B, 2009, 79, .	3.2	49
152	Nodeless multiband superconductivity in stoichiometric single-crystalline CaKFe ₄ As ₄ . Physical Review B, 2017, 95, .	3.2	49
153			

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163	Influence of multiband sign-changing superconductivity on vortex cores and vortex pinning in stoichiometric high- T_c CaFe_2As_2 . Physical Review B, 2018, 97, .	3.2	45
164	Probing Fractal Magnetic Domains on Multiple Length Scales in $\text{Nd}_2\text{Fe}_2\text{B}$. Physical Review Letters, 2009, 102, 047204.	7.8	44
165	Evidence from neutron diffraction for superconductivity in the stabilized tetragonal phase of CaFe_2As_2 under uniaxial pressure. Physical Review B, 2010, 81, .	3.2	44
166	Competition between stripe and checkerboard magnetic instabilities in Mn-doped BaFe_2As_2 . Physical Review Letters, 2013, 111, 227002.	3.2	44
167	Unusual Temperature Dependence of Band Dispersion in BaFe_2As_2 . Physical Review Letters, 2013, 110, 067002.	3.2	44
168	Magnetic crystalline-symmetry-protected axion electrodynamics and field-tunable unpinned Dirac cones in Euln_2As_2 . Nature Communications, 2021, 12, 999.	12.8	44
169	Valence-Band Dispersion in Angle-Resolved Resonant Photoemission from LaSb . Physical Review Letters, 1996, 76, 4265-4268.	7.8	43
170	On the growth of icosahedral Al-Pd-Mn quasicrystals from the ternary melt. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 1673-1684.	0.6	43
171	Inelastic Neutron Scattering Study of a Nonmagnetic Collapsed Tetragonal Phase in Nonsuperconducting CaFe_2As_2 . Physical Review Letters, 2013, 111, 227002.	3.2	43
172	Upper critical field of KFe_2As_2 under pressure: A test for the change in the superconducting gap structure. Physical Review B, 2014, 89, .	3.2	43
173	Suppression of antiferromagnetic order and orthorhombic distortion in superconducting BaFe_2As_2 . Physical Review B, 2010, 81, .	3.2	42
174	Unusual Temperature Dependence of Band Dispersion in BaFe_2As_2 . Physical Review Letters, 2013, 110, 067002.	3.2	42
175	Effect of nickel substitution on magnetism in the layered van der Waals ferromagnet Fe_3S_2 . Physical Review B, 2018, 98, .	3.2	42
176	Disorder-Driven Transition from $\text{CaK}_2\text{Fe}_4\text{As}_8$ to $\text{CaK}_2\text{Fe}_2\text{As}_4$. Physical Review Letters, 2017, 118, 077001.	7.8	42
177	Superconducting Order Parameter in Proton Irradiated $\text{CaK}_2\text{Fe}_4\text{As}_8$. Physical Review Letters, 2017, 118, 077001.	3.2	41
178	angle-resolved photoemission spectroscopy. Physical Review B, 2017, 96, . Uniaxial strain control of spin-polarization in multicomponent nematic order of BaFe_2As_2 . Nature Communications, 2018, 9, 1058.	12.8	41
179	Magnetic fluctuations and superconducting properties of $\text{CaK}_2\text{Fe}_4\text{As}_8$ studied by NMR. Physical Review B, 2017, 96, .	3.2	40
180	Interlayer Coherence and Superconducting Condensate in the c-Axis Response of Optimally Doped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ High-Tc Superconductor Using Infrared Spectroscopy. Physical Review Letters, 2013, 110, 097003.	7.8	39

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181	Single crystal growth from light, volatile and reactive materials using lithium and calcium flux. Philosophical Magazine, 2014, 94, 2372-2402.	1.6	39
182	Solution growth of a binary icosahedral quasicrystal of Sc . Physical Review B, 2010, 81, .	3.2	38
183	Local magnetic inhomogeneities in $\text{Ba}(\text{Fe}_{1-x}\text{Ni}_x)_2\text{As}_2$ as seen via ^{75}S NMR. Physical Review B, 2010, 82, .	3.2	38
184	Nodeless superconductivity in the type-II Dirac semimetal PdTe : London penetration depth and pairing-symmetry analysis. Physical Review B, 2018, 98, .	3.2	38
185	Boron isotope effect in single-crystal $\text{YNi}_2\text{B}_2\text{C}$ and $\text{LuNi}_2\text{B}_2\text{C}$ superconductors. Physica C: Superconductivity and Its Applications, 1999, 312, 35-39.	1.2	36
186	Tunneling spectroscopy in the magnetic superconductor $\text{TmNi}_2\text{B}_2\text{C}$. Physical Review B, 2001, 64, .	3.2	36
187	Magnetism and superconductivity in rare earth "nickel" borocarbides. Comptes Rendus Physique, 2006, 7, 56-67.	0.9	36
188	Crystallographic phase transition within the magnetically ordered state of $\text{Ce}_2\text{Fe}_{17}$. Physical Review B, 2007, 76, .	3.2	36
189	Superfluid density and field-induced magnetism in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ and $\text{Sr}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ measured with muon spin relaxation. Physical Review B, 2010, 82, .	3.2	36
190	Heat capacity jump at T_c and pressure derivatives of superconducting transition temperature in the $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ (0.2 $\leq x \leq$ 1.0) series. Physical Review B, 2013, 87, .	3.2	36
191	Pressure-induced half-collapsed-tetragonal phase in $\text{CaKFe}_4\text{As}_8$. Physical Review B, 2017, 96, .	3.2	36
192	Persistent correlation between superconductivity and antiferromagnetic fluctuations near a nematic quantum critical point in FeSe . Physical Review B, 2018, 98, .	3.2	36
193	NMR spectroscopy of the normal and superconducting states of MgB_2 and comparison to AlB_2 . Physical Review B, 2002, 66, .	3.2	34
194	Field-induced non-Fermi-liquid resistivity of stoichiometric YbAgGe single crystals. Physical Review B, 2006, 73, .	3.2	34
195	Electrical transport measurements under pressure for BaFe_2As_2 compounds doped with Co, Cr, or Sn. Superconductor Science and Technology, 2010, 23, 054003.	3.5	34
196	Dome of magnetic order inside the nematic phase of sulfur-substituted FeSe under pressure. Physical Review B, 2017, 96, .	3.2	34
197	Rotational tuning of H_{c2} anomalies in $\text{ErNi}_2\text{B}_2\text{C}$: Angular-dependent superzone gap formation and its effect on the superconducting ground state. Physical Review B, 2000, 61, R14932-R14935.	3.2	33
198	^{11}B NMR and relaxation in the MgB_2 superconductor. Physical Review B, 2001, 64, .	3.2	33

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199	Angular-dependent planar metamagnetism in the hexagonal compounds TbPtIn and TmAgGe. Physical Review B, 2005, 71, .	3.2	33
200	Anisotropic Hall effect in single-crystal heavy-fermion YbAgGe. Physical Review B, 2005, 71, .	3.2	33
201	Experimental setup for the measurement of the thermoelectric power in zero and applied magnetic field. Measurement Science and Technology, 2010, 21, 055104.	2.6	33
202	Multiple regions of quantum criticality in YbAgGe. Physical Review B, 2011, 83, .	3.2	33
203	NMR evidence for inhomogeneous glassy behavior driven by nematic fluctuations in iron arsenide superconductors. Physical Review B, 2015, 92, .	3.2	33
204	Multiple ferromagnetic transitions and structural distortion in the van der Waals ferromagnet VI_3 at ambient and finite pressures. Physical Review B, 2019, 100, .	3.2	33
205	Precise measurements of radio-frequency magnetic susceptibility in ferromagnetic and antiferromagnetic materials. Journal of Magnetism and Magnetic Materials, 2008, 320, 354-363.	2.3	32

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217	Excitations in underdoped Ba(Fe _{1-x} Ti _x) ₂ As ₂ . Physical Review Letters, 2008, 101, 077001.	3.2	29
218	Antiferromagnetic order in CaK ₂ Fe ₄ As ₈ and its interplay with su. Physical Review B, 2018, 97, .	3.2	29
219	Optical Conductivity of the Superconductors LNi ₂ B ₂ C (L=Lu and Y). Physical Review Letters, 1997, 78, 547-550.	7.8	28
220	Strongly dissimilar vortex-liquid regimes in single-crystalline NdFeAs(O,F) and (Ba,K)Fe ₂ As ₂ : A comparative study. Physical Review B, 2009, 80, .	3.2	28
221	Nonequilibrium Pair Breaking in BaFe ₂ As ₂ . Physical Review Letters, 2014, 112, 267001.	3.2	28
222	Anisotropy and internal-field distribution of MgB ₂ in the mixed state at low temperatures. Physical Review B, 2004, 70, .	3.2	27
223	Magnetic properties of Cd _{1-x} Y _x Fe ₂ As ₂ . Physical Review B, 2011, 84, .	3.2	27
224	Contribution of Fe _{3d} to the Fermi level of CaFe ₂ As ₂ . Physical Review B, 2009, 80, .	3.2	27
225	Magnetic order in GdBiPt studied by x-ray resonant magnetic scattering. Physical Review B, 2011, 84, .	3.2	27
226	Suppression of electron correlations in the collapsed tetragonal phase of CaFe ₂ As ₂ at ambient pressure demonstrated by magnetic and transport properties of FeAs. Physical Review B, 2014, 89, .	3.2	27
227	Magnetic and transport properties of Fe _{1-x} R _x As ₂ (R=Ca, Sr, Ba) quasicrystals. Physical Review B, 2014, 90, .	3.2	27
228	Preserved entropy and fragile magnetism. Reports on Progress in Physics, 2016, 79, 084506.	20.1	27
229	A study of the physical properties of single crystalline Fe ₅ B ₂ P. Journal of Magnetism and Magnetic Materials, 2016, 401, 525-531.	2.3	27
230	Measuring the Lower Critical Field of Superconductors Using Nitrogen-Vacancy Centers in Diamond Optical Magnetometry. Physical Review Applied, 2019, 11, .	3.8	27
231	Unconventional supercurrent phase in Ising superconductor Josephson junction with atomically thin magnetic insulator. Nature Communications, 2021, 12, 5332.	12.8	27
232	Systematics of x-ray resonant scattering amplitudes in RNi ₂ Ge ₂ (R=Gd, Tb, Dy, Ho, Er, Tm): The origin of the branching ratio at the Ledges of the heavy rare earths. Physical Review B, 2005, 72, .	3.2	26
233	Signatures of quantum criticality in the thermopower of Ba(Fe _{1-x} Ti _x) ₂ As ₂ . Physical Review Letters, 2008, 101, 077001.	3.2	26
234	Three-dimensionality of the bulk electronic structure in WTe ₂ . Physical Review B, 2017, 95, .	3.2	26

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235	Spatially-resolved study of the Meissner effect in superconductors using NV-centers-in-diamond optical magnetometry. <i>New Journal of Physics</i> , 2018, 20, 043010.	2.9	26
236	Tuning the Intrinsic Anisotropy with Disorder in the CaFeAsF Superconductor. <i>Physical Review Applied</i> , 2020, 13, .	3.8	26
237	$4f$ spin density in the reentrant ferromagnet SmMn_2Ge_2 . <i>Physical Review B</i> , 2000, 62, R6073-R6076. Fermi surface reconstruction in CaFeAsF .	3.2	25
238	FeAs_2 X-ray diffraction on large single crystals using a powder diffractometer. <i>Philosophical Magazine</i> , 2016, 96, 2115-2124.	3.2	25
239	Electron irradiation effects on superconductivity in PdTe_2 : An application of a generalized Anderson theorem. <i>Physical Review Research</i> , 2020, 2, .	1.6	25
240	Emergence of Fermi arcs due to magnetic splitting in an antiferromagnet. <i>Nature</i> , 2022, 603, 610-615.	3.6	25
241	Magnetic ordering and effects of crystal electric field anisotropy in the hexagonal compounds RPtIn ($\text{R}=\text{Y}, \text{Gd} \in \text{Lu}$). <i>Physical Review B</i> , 2005, 72, .	27.8	25
242	Extrinsic origin of the insulating behavior of polygrain icosahedral AlPdMn quasicrystals. <i>Physical Review B</i> , 2006, 74, .	3.2	24
243	Colossal positive magnetoresistance in a doped nearly magnetic semiconductor. <i>Physical Review B</i> , 2008, 77, .	3.2	24
244	Tuning low-temperature physical properties of CeNiGe . Hydrostatic and Uniaxial Pressure dependence of superconducting transition temperature of KFeAs_2 .	3.2	24
245	Alternating magnetic anisotropy of LiFeAs_2 single crystals. <i>Physical Review B</i> , 2012, 86, .	3.2	24
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253	Effect of Biaxial Strain on the Phase Transitions of $\text{Ca}_{1-x}\text{Fe}_x\text{Mn}_2$. Physical Review B, 2019, 100, .	7.8	23
254	Analysis of the London penetration depth in Ni-doped CaKFe_4 . Physical Review B, 2019, 100, .	3.2	21
255	Anomalous magnetoresistance at low temperatures ($T \approx 1/2 10\text{K}$) in a single crystal of GdBi_4 . Journal of Applied Physics, 2005, 97, 10A923.	2.5	22
256	Hysteretic magnetoresistance and unconventional anomalous Hall effect in the frustrated magnet TmBi_4 . Physical Review B, 2016, 93, .	3.2	22
257	Crystal electric field excitations in the quasicrystal approximant TbCd_6 by inelastic neutron scattering. Physical Review B, 2017, 95, .	3.2	21
258	Superelasticity and cryogenic linear shape memory effects of CaFe_2As_2 . Nature Communications, 2017, 8, 1083.	12.8	22
259	Competing pairing interactions responsible for the large upper critical field in a stoichiometric iron-based superconductor CaKFe_4 . Physical Review B, 2020, 101, .	3.2	21
260	Flat band carrier confinement in magic-angle twisted bilayer graphene. Nature Communications, 2021, 12, 4180.	12.8	22
261	Pressure-induced ferromagnetism in the topological semimetal EuCd_2 . Physical Review B, 2021, 104, .	3.2	21
262	Unusual spin-glass phase in icosahedral Tb-Mg-Zn quasicrystals. Physical Review B, 2001, 64, .	3.2	21
263	Icosahedral quasicrystal $\text{Al}_71\text{Pd}_{21}\text{Mn}_{08}$ and its $1/3$ approximant: ϵ , Linear expansivity, specific heat, magnetic susceptibility, electrical resistivity, and elastic constants. Physical Review B, 2002, 65, . Systematics of the temperature-dependent interplane resistivity in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2010, 81, 040407.	3.2	21
264	Absolute value and temperature dependence of the magnetic penetration depth in $\text{Ba}(\text{Co}_{1-x}\text{Fe}_x)_2\text{As}_2$. Physical Review B, 2010, 81, 040407.	3.2	21
265	Temperature dependence of the magnetic penetration depth in $\text{Ba}(\text{Co}_{1-x}\text{Fe}_x)_2\text{As}_2$. Physical Review B, 2010, 81, 040407.	3.2	21
266	Anisotropic magnetization and resistivity of single crystalline RNi_2Bi_2 ($R=\text{La, Nd, Sm, Gd, Dy}$). Journal of Alloys and Compounds, 2013, 554, 304-311.	5.5	21
267	Infrared pseudogap in cuprate and pnictide high-temperature superconductors. Physical Review B, 2014, 90, .	3.2	21
268	Structural and Ferromagnetic Properties of an Orthorhombic Phase of MnBi Stabilized with Rh Additions. Physical Review Applied, 2015, 4, .	3.8	21
269	Origin of modulated phases and magnetic hysteresis in TmBi_4 . Physical Review B, 2015, 92, .	3.2	21
270	Optical properties of A_2FeAs_2 ($\text{A}=\text{Ca, Sr}$). Physical Review B, 2010, 81, 040407.	3.2	21

#	ARTICLE	IF	CITATIONS
271	$\langle mml:mrow \langle mml:mrow \langle mml:msub \langle mml:mi \text{Ce} \langle mml:mi \rangle \langle mml:mrow \langle mml:mrow \langle mml:mn \rangle 3 \langle mml:mn \rangle \langle mml:msub \langle mml:mi \text{CeTiGe} \langle mml:mi \rangle \langle mml:mrow \langle mml:mrow \langle mml:mn \rangle 3 \langle mml:mn \rangle \langle mml:msub \langle mml:mi \text{LaCrGe} \langle mml:mi \rangle \langle mml:mrow \langle mml:mrow \langle mml:mn \rangle 3 \langle mml:mn \rangle \langle mml:msub \langle mml:mi \text{YbAl3}$: Transformation of a Pauli Paramagnet into a Strong Permanent Magnet. Physical Review Applied, 2018, 9, .	3.8	21
272	Quantum tricritical point in the temperature-pressure-magnetic field phase diagram of $\langle mml:math \text{CeTiGe} \langle mml:mi \rangle \langle mml:mrow \langle mml:mrow \langle mml:mn \rangle 3 \langle mml:mn \rangle \langle mml:msub \langle mml:mi \text{LaCrGe} \langle mml:mi \rangle \langle mml:mrow \langle mml:mrow \langle mml:mn \rangle 3 \langle mml:mn \rangle \langle mml:msub \langle mml:mi \text{YbAl3}$	3.2	21
273	Formation of short-range magnetic order and avoided ferromagnetic quantum criticality in pressurized $\langle mml:math \text{LaCrGe} \langle mml:mi \rangle \langle mml:mrow \langle mml:mrow \langle mml:mn \rangle 3 \langle mml:mn \rangle \langle mml:msub \langle mml:mi \text{YbAl3}$	3.2	21
274	Magnetic susceptibility and magnetization measurements of an YbAl3 single crystal for groundstate investigations. Journal of Alloys and Compounds, 1995, 224, 33-35.	5.5	20
275	Low-temperature transport, thermal, and optical properties of single-grain quasicrystals of icosahedral phases in the Y-Mg-Zn and Tb-Mg-Zn alloy systems. Physical Review B, 2000, 62, 262-272.	3.2	20
276	Low-temperature thermodynamic properties of the heavy-fermion compound YbAgGe close to the field-induced quantum critical point. Physical Review B, 2006, 73, .	3.2	20
277	Magnetic-field tuning of the low-temperature state of YbNiSi3. Physical Review B, 2007, 75, .	3.2	20
278	Magnetization, resistivity and heat capacity of the anisotropic RVsb3 crystals (R=La $\hat{\in}$ “Nd, Sm, Gd $\hat{\in}$ “Dy). Journal of Magnetism and Magnetic Materials, 2008, 320, 120-141.	2.3	20
279	Effects of substitution on low-temperature physical properties of LuFe ₂ Ge ₂ . Philosophical Magazine, 2011, 91, 4388-4400.	1.6	20
280	Heat capacity jump at Tc and pressure derivatives of superconducting transition temperature in the Ba1 $\hat{\sim}$ xNaxFe2As2(0.1 $\hat{\%}$ x $\hat{\%}$ 0.9) series. Physical Review B, 2014, 89, .	3.2	20
281	Effects of Band Filling on Magnetic Structures: The Case of RNi2Ge2. Physical Review Letters, 1999, 83, 2817-2820.	7.8	19
282	Magnetic phase diagram of flux-grown single crystals of CeSb. Journal of Alloys and Compounds, 2000, 303-304, 505-508.	5.5	19
283	Adhesion properties of decagonal quasicrystals in ultrahigh vacuum. Philosophical Magazine, 2006, 86, 945-950.	1.6	19
284	Thermodynamic and transport properties of single crystalline RCo2Ge2 (R=Y, La $\hat{\in}$ “Nd, Sm $\hat{\in}$ “Tm). Journal of Magnetism and Magnetic Materials, 2014, 358-359, 212-227.	2.3	19
285	Crystal growth and annealing study of fragile, non-bulk superconductivity in YFe ₂ Ge ₂ . Philosophical Magazine, 2015, 95, 804-818.	1.6	19
286	Bulk Superconductivity and Role of Fluctuations in the Iron-Based Superconductor FeSe at High Pressures. Physical Review Letters, 2019, 123, 167002.	7.8	19
287	Fragility of Fermi arcs in Dirac semimetals. Physical Review B, 2019, 99, .	3.2	19
288	Magnetoelastoresistance in WTe ₂ : Exploring electronic structure and extremely large magnetoresistance under strain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25524-25529.	7.1	19

#	ARTICLE	IF	CITATIONS
289	Magnesium diboride: one year on. <i>Physics World</i> , 2002, 15, 29-34.	0.0	18
290	Commensurate antiferromagnetic ordering in $\text{Ba}(\text{Fe}_{0.93}\text{Co}_{0.07})_2\text{As}_2$. <i>Physical Review B</i> , 2010, 82, .	3.2	18
291	Coexistence of antiferromagnetic ordering and superconductivity in the $\text{Ba}(\text{Fe}_{0.961}\text{Rh}_{0.039})_2\text{As}_2$ compound studied by Mössbauer spectroscopy. <i>Physical Review B</i> , 2011, 84, .	3.2	18
292	Upper critical magnetic field in $\text{Ba}_{0.68}\text{K}_{0.32}\text{Fe}_2\text{As}_2$ and $\text{Ba}(\text{Fe}_{0.93}\text{Co}_{0.07})_2\text{As}_2$. <i>JETP Letters</i> , 2011, 93, 667-672.	1.4	18
293	Growing intermetallic single crystals using <i>in situ</i> decanting. <i>Philosophical Magazine</i> , 2012, 92, 2448-2457.	1.6	18
294	Robust tunability of magnetoresistance in half-Heusler RPtBi . <i>Physical Review B</i> , 2016, 93, .	3.2	18
295	Field-temperature phase diagram and entropy landscape of CeAuSb_2 . <i>Physical Review B</i> , 2016, 93, .	3.2	18
296	Phonon-induced topological transition to a type-II Weyl semimetal. <i>Physical Review B</i> , 2017, 95, .	3.2	18
297	Trends in pressure-induced layer-selective half-collapsed tetragonal phases in the iron-based superconductor family AeFe_4As . <i>Physical Review B</i> , 2018, 98, .	3.2	18
298	Hydrostatic and Uniaxial Pressure Tuning of Iron-Based Superconductors: Insights into Superconductivity, Magnetism, Nematicity, and Collapsed Tetragonal Transitions. <i>Annalen Der Physik</i> , 2020, 532, 2000248.	2.4	18
299	Anisotropic properties of rare earth silver dibismites. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 261, 210-221.	2.3	17
300	Magnetic structure of GdCo_2Ge_2 . <i>Physical Review B</i> , 2005, 71, .	3.2	17
301	Magnetic order in TbCo_2 . <i>Physical Review B</i> , 2010, 81, .	3.2	17
302	Anomalous Meissner effect in pnictide superconductors. <i>Physical Review B</i> , 2010, 82, .	3.2	17
303	NMR of As in As_{75} .		

#	ARTICLE	IF	CITATIONS
307	High- T_c superconductivity in CaKFe_4 in absence of nematic fluctuations. <i>Physical Review B</i> , 2018, 98, .	3.2	17
308	Use of Cernox thermometers in AC specific heat measurements under pressure. <i>Review of Scientific Instruments</i> , 2019, 90, 023911.	1.3	17
309	Microwave properties of superconducting MgB_2 . <i>Applied Physics Letters</i> , 2001, 78, 4160-4162.	3.3	16
310	Detailed study of the magnetic phase transitions in single crystalline $\text{HoNi}_2\text{B}_2\text{C}$ and $\text{DyNi}_2\text{B}_2\text{C}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 267, 216-223.	2.3	16
311	Absence of a boron isotope effect in the magnetic penetration depth of MgB_2 . <i>Physical Review B</i> , 2004, 70, .	3.2	16
312	Differential thermal analysis and solution growth of intermetallic compounds. <i>Journal of Crystal Growth</i> , 2005, 285, 670-680.	1.5	16
313	Contactless measurements of Shubnikov-de Haas oscillations in the magnetically ordered state of CeAgSb_2 and SmAgSb_2 single crystals. <i>Physical Review B</i> , 2007, 75, .	3.2	16
314	Superconducting order parameter in nonmagnetic borocarbides NiR_2B_2 ($R = \text{Y, La, Ce, and Dy}$) in zero and applied magnetic fields. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 476001.	3.2	16
315	Evidence of unconventional low-frequency dynamics in the normal phase of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. <i>Physical Review B</i> , 2015, 92, .	1.8	16
316	Strong interaction between electrons and collective excitations in the multiband superconductor MgB_2 . <i>Physical Review B</i> , 2015, 91, .	3.2	16
317	Pressure-induced collapsed-tetragonal phase in SrCo_2As_2 . <i>Physical Review B</i> , 2015, 92, .	3.2	16
319	Superconductivity versus structural phase transition in the closely related Bi_2S_2 and Bi_2Te_2 . <i>Physical Review B</i> , 2015, 91, .	3.2	16
320	Atomic structure of the $i\text{-Cd}$ quasicrystals and consequences for magnetism. <i>Physical Review B</i> , 2016, 94, .	3.2	16
321	Magnetization and transport properties of single crystalline RPd_2P_2 ($R = \text{Y, La, Nd, Sm, Ho, Yb}$). <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 417, 420-433.	2.3	16
322	Critical speeding up of nonequilibrium electronic relaxation near nematic phase transition in unstrained $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. <i>Physical Review B</i> , 2017, 95, .	3.2	16
323	NMR study of the new magnetic superconductor CaKFe_4 : Microscopic coexistence of the h.c. <i>Physical Review B</i> , 2017, 96, .	3.2	16
324	Robust $s\text{-}d$ pairing in CaKFe_4 . <i>Physical Review B</i> , 2018, 97, .	3.2	16

#	ARTICLE	IF	CITATIONS
325	Electrodynamics response of $\text{Ba}(\text{Fe}_{1-x}\text{Rhx})_2\text{As}_2$ across the s^{\pm} to s^{++} order parameter transition. European Physical Journal: Special Topics, 2019, 228, 719-723.	2.6	16
326	Design of a metallic Ising spin glass in the $\text{Y}_{1-x}\text{TbxNi}_2\text{Ge}_2$ system. Physical Review B, 2000, 62, 15056-15066.	3.2	15
327	Growth and physical properties of the decagonal Al-Cu-Co quasicrystal grown from the ternary melt. Philosophical Magazine, 2004, 84, 1291-1302.	1.6	15
328	Thermoelectric power investigations of YbAgGe across the quantum critical point. Physical Review B, 2010, 82, .	3.2	15
329	Physical properties of GdFe $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle$		

#	ARTICLE	IF	CITATIONS
343	Scanning tunneling microscopy in the superconductor LaSb xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow>2</mml:mrow></mml:msub></mml:math>. Physical Review B, 2013, 87, .	3.2	14
344	NMR study of nematic spin fluctuations in a detwinned single crystal of underdoped xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ba</mml:mi><mml:msub><mml:mrow><mml:mi>Co</mml:mi></mml:mrow></mml:msub></mml:math> Physical Review B, 2016, 94, .	3.2	14
345	Direct visualization of phase separation between superconducting and nematic domains in Co-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaFe</mml:mi><mml:msub><mml:mrow><mml:mi>2</mml:mi></mml:mrow></mml:msub></mml:math> close to a first-order phase transition. Physical Review B, 2018, 97, .	3.2	14
346	Indication of subdominant d -wave interaction in superconducting CaKFe4As4. Physical Review B, 2018, 98, .	3.2	14
347	Effect of Ni doping on vortex pinning in xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CaK</mml:mi><mml:msub><mml:mrow><mml:mi>Co</mml:mi></mml:mrow></mml:msub></mml:math>	3.2	14
348	Anisotropy induced vortex lattice rearrangement in xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:msub><mml:mrow><mml:mi>4</mml:mi></mml:mrow></mml:msub></mml:math> Physical Review B, 2019, 99, .	3.2	14
349	The Quantum Critical Point Revisited in CeIn 3. High Pressure Research, 2002, 22, 167-170.	1.2	13
350	Magnetic-field-induced quantum critical point in YbPtIn and YbPt0.98In single crystals. Physical Review B, 2006, 73, .	3.2	13
351	Broadening of the superconducting transition by fluctuations in three-dimensional metals at high magnetic fields. Physical Review B, 2006, 73, .	3.2	13
352	Separation of energy scales in the kagome antiferromagnet TmAgGe: A magnetic-field-orientation study up to 55T. Physical Review B, 2007, 75, .	3.2	13
353	Pressure tuning of competing magnetic interactions in intermetallic CeFe xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow>2</mml:mrow></mml:msub></mml:math>. Physical Review B, 2012, 86, .	3.2	13
354	Effect of heavy-ion irradiation on London penetration depth in overdoped Ba(Fe1-xCox)2As2. Physical Review B, 2013, 88, .	3.2	13
355	⁵⁷ Fe Mössbauer study of stoichiometric iron-based superconductor CaKFe ₄ As ₄ : a comparison to KFe ₂ As ₂ and CaFe ₂ As ₂ . Philosophical Magazine, 2017, 97, 2689-2703.	1.6	13
356	Highly responsive ground state of xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>PbTaSe</mml:mi><mml:mrow><mml:mi>2</mml:mi></mml:mrow></mml:msub></mml:math> : Structural phase transition and evolution of superconductivity under pressure. Physical Review B, 2017, 95, .	3.2	13
357	Local nematic susceptibility in stressed xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:msub><mml:mrow><mml:mi>2</mml:mi></mml:mrow></mml:msub></mml:math> from NMR electric field gradient measurements. Physical Review B, 2017, 96, .	3.2	13
358	Electronic structure of the topological superconductor candidate xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Au</mml:mi><mml:msub><mml:mrow><mml:mi>2</mml:mi></mml:mrow></mml:msub></mml:math> Physical Review B, 2018, 98, .	3.2	13
359	Quantum phase transition inside the superconducting dome of Ba(Fe _{1-x} Co _x) ₂ As ₂ from diamond-based optical magnetometry. New Journal of Physics, 2020, 22, 053037.	2.9	13
360	Transport and magnetic measurements on single crystal rare earth-nickel-borocarbides. European Physical Journal D, 1996, 46, 3263-3270.	0.4	12

#	ARTICLE	IF	CITATIONS
361	CRITICAL FIELD AND MAGNETORESISTANCE OF SINGLE CRYSTAL TmNi ₂ B ₂ C. International Journal of Modern Physics B, 1999, 13, 3715-3717.	2.0	12
362	Neutron scattering study of TbPtIn intermetallic compound. Journal of Applied Physics, 2004, 95, 6921-6923.	2.5	12
363	Magnetic phase diagram of heavy-fermion YbAgGe. Physica B: Condensed Matter, 2006, 378-380, 669-670.	2.7	12
364	Small-angle neutron scattering study of the vortex lattice in superconducting LuNi ₂ B ₂ C. Physical Review B, 2009, 79, .	3.2	12
365	High-energy X-ray diffraction studies of i-Sc ₁₂ Zn ₈₈ . Philosophical Magazine, 2011, 91, 2427-2433.	1.6	12
366	Antiferromagnetic spin correlations and pseudogaplike behavior in Ca(Fe _{1-x} Cox) ₂ As ₂ studied by ⁵¹ V nuclear magnetic resonance and anisotropic resistivity. Physical Review B, 2015, 92, .	3.2	12
367	Pressure-temperature phase diagrams of CaK superconductors. Physical Review B, 2018, 97, .	1.2	12
368	¹¹³ C NMR studies of borocarbides. , 1997, 104, 49-54.		11
369	Polarized Raman scattering studies of crystal-field excitations in ErNi ₂ B ₂ C. Physical Review B, 2004, 69, .	3.2	11
370	Low-Temperature Superconductivity is Warming Up. Scientific American, 2005, 292, 80-87.	1.0	11
371	Phonon-induced quadrupolar ordering of the magnetic superconductor TmNi ₂ B ₂ C. Physical Review B, 2006, 73, .	3.2	11
372	Magnetic structures and crystal field in the heavy electron materials YbAgGe and YbPtIn. European Physical Journal B, 2007, 55, 77-84.	1.5	11
373	Quantum oscillations in the heavy-fermion compound YbPtBi. Physical Review B, 2015, 92, .	3.2	11
374	Remarkably Robust and Correlated Coherence and Antiferromagnetism in CeMn ₂ Si ₂ . Physical Review Letters, 2014, 113, 087201.	11.1	11
375	Near room temperature antiferromagnetic ordering with a potential low-dimensional magnetism in AlMn ₂ B. Physical Review Materials, 2018, 3, .	1.4	11
376	Magnetic domains of single-crystal Nd ₂ Fe ₁₄ B imaged by unmodified scanning electron microscopy. Journal of Applied Physics, 1998, 83, 6843-6845.	2.5	10
377	Superconductivity (and Magnetism) in the Nickel Borocarbides. Journal of Superconductivity and Novel Magnetism, 2000, 13, 847-853.	0.5	10
378	Small sealed Ta crucible for thermal analysis of volatile metallic samples. Review of Scientific Instruments, 2006, 77, 056104.	1.3	10

#	ARTICLE	IF	CITATIONS
379	Vortex phase diagram studies in the weakly pinned single crystals of YNi ₂ B ₂ C and LuNi ₂ B ₂ C. Pramana - Journal of Physics, 2006, 66, 113-129.	1.8	10
380	Distinguishing local moment versus itinerant ferromagnets: Dynamic magnetic susceptibility. Journal of Applied Physics, 2008, 103, .	2.5	10
381	In situ high energy x-ray synchrotron diffraction study of the synthesis and stoichiometry of LaFeAsO and LaFeAsO _{1-x} F _y . Journal of Applied Physics, 2009, 105, 123912.	2.5	10
382	The London penetration depth in BaFe ₂ As ₂ superconductors at high electron doping level. Superconductor Science and Technology, 2010, 23, 065022.	3.5	10
383	Upper critical fields and two-band superconductivity in Sr _{1-x} Eu _x (Fe _{0.89} Co _{0.11}) ₂ As ₂ (x=0.20 and 0.46). Physical Review B, 2012, 85, . Correlated vortex pinning in slightly orthorhombic twinned Ba(Fe _{1-x} Rh _x) ₂ As ₂ superconductors. Physical Review B, 2017, 96, .	3.2	10
384		3.2	10
385	Search for pressure-induced quantum criticality in YbFe ₂ Zn ₂₀ . Physical Review B, 2013, 88, .	3.2	10
386	Thermoelectric power of Ba(Fe _{1-x} Co _x) ₂ As ₂ (0 ≤ x ≤ 0.05) and Ba(Fe _{1-x} Rh _x) ₂ As ₂ (0 ≤ x ≤ 0.171). Philosophical Magazine, 2013, 93, 661-672.	1.6	8
387	Effect of proton irradiation on the normal-state low-energy excitations of Ba(Fe _{1-x} Rh _x) ₂ As ₂ superconductors. Physical Review B, 2017, 96, .	3.2	10
388	Collapsed tetragonal phase transition in LaRu ₂ P ₂ . Physical Review B, 2017, 96, .	3.2	10
389	Pressure dependence of coherence-incoherence crossover behavior in KFe ₂ As ₂ observed by resistivity and As ₇₅ -NMR/NQR. Physical Review B, 2018, 97, .	3.2	10
390	Pressure-temperature phase diagram of the EuRbFe ₄ As ₄ superconductor. Physical Review B, 2019, 99, .	3.2	10
391	Quadratic to linear magnetoresistance tuning in TmB_4 . Physical Review B, 2019, 99, .		
392	Low-Temperature Competing Magnetic Energy Scales in the Topological Ferrimagnet $TbMn_6$. Physical Review X, 2022, 12, .	8.9	10
393	Magnetic Domain Imaging of Nd ₂ Fe ₁₄ B Single Crystals With Unmodified Scanning Electron Microscopy. Materials Characterization, 1998, 41, 201-209.	4.4	9
394	X-ray magnetic circular dichroism study of TbNi ₂ B ₂ C. Physical Review B, 2001, 64, .	3.2	9
395	Magnetic-field-induced density of states in MgB ₂ : Spin susceptibility measured by conduction-electron spin resonance. Physical Review B, 2005, 72, .	3.2	9
396	Distinct order of Gd _{4f} and Fe _{3d} moments coexisting in GdFe ₄ Al ₈ . Physical Review B, 2005, 72, .	3.2	9

#	ARTICLE	IF	CITATIONS
397	The coloring problem in intermetallics: bonding and properties of Tb ₃ Zn ₃ Al _{7.4} with the La ₃ Al ₁₁ structure type. Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, .	0.8	9
398	Anisotropic thermal expansion and magnetostriction of YNi ₂ B ₂ C single crystals. Journal of Physics Condensed Matter, 2006, 18, 8353-8365.	1.8	9
399		3.2	9
400	NMR investigation of vortex dynamics in the Ba(Fe _{0.93} Rh _{0.07}) ₂ As ₂ superconductor. Physical Review B, 2012, 85, .	3.2	9
401	Effects of isovalent substitution and pressure on the interplane resistivity of single-crystal T_j	3.2	9
402	Combined effects of transition metal (Ni and Rh) substitution and annealing/quenching on the physical properties of CaFe ₂ As ₂ . Physical Review B, 2014, 90, .	3.2	9
403	Spatially resolved penetration depth measurements and vortex manipulation in the ferromagnetic superconductor $ErNi_2$	3.2	9
404	Spin dynamics near a putative antiferromagnetic quantum critical point in Cu-substituted $BaFe_2$ its relation to high-temperature superconductivity. Physical Review B, 2015, 92, .	3.2	9
405	Single-vortex pinning and penetration depth in superconducting $NdFeAsO$	3.2	9
406	Crystal structure, homogeneity range and electronic structure of rhombohedral $\tilde{I}3-Mn_5Al_8$. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 601-610.	0.8	9
407	Extreme Field Sensitivity of Magnetic Tunneling in Fe-Doped N	3.2	9
408	Ferromagnetic quantum criticality: New aspects from the phase diagram of $LaCrGe_3$	2.7	9
409	Effect of pressure on the physical properties of the superconductor NiBi ₃ . Journal of Physics Condensed Matter, 2019, 31, 035701.	1.8	9
410	Clathrate BaNi ₂ P ₄ : An Interplay of Heat and Charge Transport Due to Strong Host-Guest Interactions. Chemistry of Materials, 2020, 32, 7932-7940.	6.7	9
411	Avoided ferromagnetic quantum critical point in pressurized La_5	3.2	9
412	dHvA oscillations, upper critical field and the peak effect studies in a single crystal of LuNi ₂ B ₂ C. Physica B: Condensed Matter, 2005, 359-361, 476-478.	2.7	8
413	SOLUTION GROWTH OF INTERMETALLIC SINGLE CRYSTALS: A BEGINNER'S GUIDE. Book Series on Complex Metallic Alloys, 2009, , 93-111.	0.1	8
414	Design, discovery and growth of novel materials. Philosophical Magazine, 2012, 92, 2398-2400.	1.6	8

#	ARTICLE	IF	CITATIONS
415	Strong enhancement of the critical current at the antiferromagnetic transition in ErNi ₂ B ₂ C single crystals. <i>Physical Review B</i> , 2013, 87, .	3.2	8
416	On the determination of hardness and elastic modulus in BaFe ₂ As ₂ lamellar-like material. <i>Journal of Materials Research</i> , 2016, 31, 1413-1422.	2.6	8
417	Persistence of slow fluctuations in the overdoped regime of $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2016, 93, .		
418	¹²⁵ Te NMR and Seebeck Effect in Bi ₂ Te ₃ Synthesized from Stoichiometric and Te-Rich Melts. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25196-25202. Physical properties of single crystalline Bi_2Te_3	3.1	8
419	$\text{R}_2\text{Mg}_2\text{Cu}_9$		

#	ARTICLE	IF	CITATIONS
433	Single crystal growth and superconductivity of $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Philosophical Magazine, 2012, 92, 3113-3120.	1.6	7
434	Charge-magnetic interference resonant scattering studies of ferromagnetic crystals and thin films. European Physical Journal: Special Topics, 2012, 208, 141-155.	2.6	7
435		3.2	7
436	Suppression of ferromagnetism in the $\text{La}(\text{V}_{1-x}\text{Cr}_x)\text{Sb}_3$ system. Philosophical Magazine, 2014, 94, 1277-1300.	1.6	7
437	Superconducting properties of $\text{S}_{\text{Rh}}\text{S}_4$ single crystals. Physical Review B, 2016, 93, .	3.2	7
438	Polar Intermetallics $\text{Pr}_5\text{Co}_2\text{Ge}_3$ and $\text{Pr}_7\text{Co}_2\text{Ge}_4$ with Planar Hydrocarbon-Like Metal Clusters. Chemistry - A European Journal, 2017, 23, 10516-10521.	3.3	7
439	GdPtPb: A noncollinear antiferromagnet with distorted kagome lattice. Physical Review B, 2017, 96, .	3.2	7
440	Effects of point defects on the mechanical response of LaRu ₂ P ₂ . Acta Materialia, 2018, 160, 224-234.	7.9	7
441	Multi-band effects in in-plane resistivity anisotropy of strain-detwinned disordered $\text{Ba}(\text{Fe}_{1-x}\text{Ru}_x)_2\text{As}_2$. Journal of Physics Condensed Matter, 2018, 30, 315601.	1.8	7
442	Enhancement of critical current density in $\text{CaKFe}_4\text{As}_4$ single crystals through 3 MeV proton irradiation. Superconductor Science and Technology, 2020, 33, 025008.	3.5	7
443	Pressure tuning of structural and magnetic transitions in EuAg_4As_2 . Physical Review B, 2020, 101, .	3.2	7
444	Characterization of the pressure coefficient of manganin and temperature evolution of pressure in piston-cylinder cells. Review of Scientific Instruments, 2020, 91, 095103.	1.3	7
445	Tuning of charge density wave transitions in $\text{LaAu}_x\text{Sb}_{1-x}$ by pressure and Au stoichiometry. Physical Review B, 2020, 102, .	3.2	7
446	Is it possible to stabilize the 1144-phase pnictides with tri-valence cations?. Physical Review Materials, 2018, 2, .	2.4	7
447	Prediction of spin polarized Fermi arcs in quasiparticle interference in CeBi. Physical Review B, 2020, 102, .	3.2	7
448	R ₉ Mg ₃₄ Zn ₅₇ icosahedral quasicrystals: The tuning of a model spin glass. Journal of Alloys and Compounds, 2001, 317-318, 443-447.	5.5	6
449	CEF nature of the magnetic excitations in ordered HoNi ₂ B ₂ C. European Physical Journal B, 2002, 29, 377-384.	1.5	6
450	Observation of domain boundaries in a TbNi ₂ B ₂ C single crystal. JETP Letters, 2003, 77, 502-504.	1.4	6

#	ARTICLE	IF	CITATIONS
451	Symmetry analysis of the interplay between local moment anisotropies and propagation vectors in the borocarbides. Philosophical Magazine, 2003, 83, 1227-1234.	1.6	6
452	Partial Phonon Density of States of Dysprosium and its Compounds Measured Using Inelastic Nuclear Resonance Scattering. Hyperfine Interactions, 2004, 153, 17-24.	0.5	6
453	Imaging antiferromagnetic domains in GdNi ₂ Ge ₂ with x-ray resonant magnetic scattering. Applied Physics Letters, 2005, 87, 202505.	3.3	6
454	Anisotropic thermal expansion and evaluation of uniaxial pressure dependence of superconducting and magnetic transitions in ErNi ₂ B ₂ C. Solid State Communications, 2006, 140, 281-284.	1.9	6
455	Magnetotransport in the magnetic superconductor HoNi ₂ B ₂ C. Physica Status Solidi (B): Basic Research, 2010, 247, 599-601.	1.5	6
456	Anisotropic magnetization, resistivity and heat capacity of single crystalline R ₃ Ni ₂ xSn ₇ (R=La, Ce, Pr) Tj ETQq0 0.0rgBT /Overlock 10	2.3	6
457	Physical properties of CeGe ₂ (x=0.24) single crystals. Journal of Physics Condensed Matter, 2014, 26, 146005.	1.8	6
458	Tuning the Kondo effect in Yb ₃ Co ₁₀ Physical Review B, 2017, 95, .	3.2	6
459	Ferromagnetism versus slow paramagnetic relaxation in Fe-doped Li ₃ N. Physical Review B, 2018, 97, .	3.2	6
460	Defect structures in solution-grown single crystals of the intermetallic compound Ag ₃ Sn. Journal of Materials Science, 2018, 53, 5317-5328.	3.7	6
461	Using first-principles calculations to screen for fragile magnetism: Case study of LaCrGe ₃ and LaCrSb ₃ . Physical Review B, 2018, 97, .	3.2	6
462	Role of the Fermi surface for the pressure-tuned nematic transition in the BaFe ₂ As ₂ family. Physical Review B, 2019, 100, .	3.2	6
463	Nematicity in the superconducting mixed state of strain detwinned underdoped Ba(Fe _{1-x} Co _x) ₂ As ₂ . Physical Review B, 2019, 99, .	3.2	6
464	A neutron diffraction demonstration of long-range magnetic order in the quasicrystal approximant DyCd ₆ . AIP Advances, 2019, 9, .	1.3	6
465	Exceedingly small moment itinerant ferromagnetism of single crystalline La ₃ N. Physical Review B, 2020, 101, .	3.2	6
466	Study of the ferromagnetic quantum phase transition in Ce ₃ Mg _x Co ₉ . Philosophical Magazine, 2020, 100, 1607-1619.	1.6	6
467	Small-moment antiferromagnetic ordering in single-crystalline La ₃ N. Physical Review B, 2022, 105, .	3.2	6
468	Magnetisation and magneto-transport measurements on CeBi single crystals. Philosophical Magazine, 2022, 102, 542-558.	1.6	6

#	ARTICLE	IF	CITATIONS
469	Use of Refractory-Volatile Element Deep Eutectic Regions to Grow Single Crystalline Intermetallic Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2022, 648, .	1.2	6
470	Superconductivity and phase diagrams of CaK . <i>Physical Review B</i> , 2022, 105, .	3.2	5
471	Superconducting density of states and band structure at the surface of the candidate topological superconductor Au_2Pb . <i>Physical Review Research</i> , 2022, 4, .	3.6	6
472	The electrical conductivity of single-grain Al-Pd-Re quasicrystals. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2002, 82, 1089-1098.	0.6	5
473	Energy gaps in doped MgB_2 . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 1743-1748.	0.8	5
474	Temperature-independent ytterbium valence in YbGaGe . <i>Physical Review B</i> , 2007, 75, .	3.2	5
475	Exotic (anti)ferromagnetism in single crystals of Pr_6Mn_5 . <i>Physical Review B</i> , 2008, 77, .	3.2	5
476	Hydrostatic pressure study of single-crystalline $\text{UNi}_0.5\text{Sb}_2$. <i>Journal of Applied Physics</i> , 2008, 103, 07B704.	2.5	5
477	Physical properties of single crystalline BaSn_5 . <i>Philosophical Magazine</i> , 2012, 92, 3006-3014.	1.6	5
478	Frequency dependence of the spin glass freezing temperatures in icosahedral Mg-Zn (rare earth) quasicrystals. <i>Philosophical Magazine</i> , 2012, 92, 4492-4497.	1.6	5
479	Dual nature of electron spin resonance in $\text{YbCo}_2\text{Zn}_{20}$ intermetallic compound. <i>JETP Letters</i> , 2014, 99, 153-157.	1.4	5
480	Combined effects of Sr substitution and pressure on the ground states in CaFe_2As_2 . <i>Physical Review B</i> , 2016, 94, .	3.2	5
481	Imaging the magnetic nanodomains in Nd_2S_5 . <i>Physical Review B</i> , 2016, 93, .	3.2	5
482	Vortex creep at very low temperatures in single crystals of the extreme type-II superconductor Rh_4S . <i>Physical Review B</i> , 2017, 95, .	3.2	5
483	Pressure-tuned superconductivity and normal-state behavior in Ba_3Mn_5 . <i>Physical Review B</i> , 2018, 97, .	3.2	5
484	Collapse of the Kondo state and ferromagnetic quantum phase transition in $\text{YbFe}_2\text{Zn}_{20}$. <i>Physical Review B</i> , 2018, 98, .	3.2	5
485	Doping evolution of spin fluctuations and their peculiar suppression at low temperatures in $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. <i>Physical Review B</i> , 2018, 97, .	3.2	5
486	Vibrational anomalies in As_2 . <i>Physical Review B</i> , 2018, 97, .	3.2	5

#	ARTICLE	IF	CITATIONS
487	Giant microwave absorption in fine powders of superconductors. <i>Scientific Reports</i> , 2018, 8, 11480.	3.3	5
488	Simplified feedback control system for scanning tunneling microscopy. <i>Review of Scientific Instruments</i> , 2021, 92, 103705.	1.3	5
489	Spin-polarized imaging of strongly interacting fermions in the ferrimagnetic state of the Weyl candidate CeBi. <i>Physical Review B</i> , 2022, 105, .	3.2	5
490	Metamagnetic Phases and Interplay with Superconductivity of Single Crystal DyNi ₂ B ₂ C. <i>International Journal of Modern Physics B</i> , 1998, 12, 3174-3178.	2.0	4
491	Transport Properties and Upper Critical Field of Single Crystal Non-Magnetic Lu _{1-x} Ni ₂ B ₂ C and Magnetic LuGd _{1-x} Ni ₂ B ₂ C. <i>International Journal of Modern Physics B</i> , 2003, 17, 3493-3495.	2.0	4
492	Physical properties of Lu _{1-x} Y _x Ni ₂ B ₂ C. <i>Philosophical Magazine</i> , 2006, 86, 3021-3041.	1.6	4
493	Reply to "Comment on "Extrinsic origin of the insulating behavior of polygrain icosahedral Al-Pd-Re quasicrystals". <i>Physical Review B</i> , 2007, 76, .	3.2	4
494	Effects of mixed rare earth occupancy on the low temperature properties of single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 312, 140-146.	2.3	4
495	Evolution of ground state and upper critical field in R _{1-x} G _x Ni ₂ B ₂ C (R=Lu,Y): Coexistence of superconductivity and spin-glass state. <i>Physical Review B</i> , 2010, 82, .	3.2	4
496	Effects of chemical doping and pressure on CaFe ₄ As ₃ . <i>Physical Review B</i> , 2011, 84, .	3.2	4
497	Detailed study of the de Haas-van Alphen effect in the Shubnikov state of LuNi ₂ B ₂ C. <i>European Physical Journal B</i> , 2012, 85, 1.	1.5	4
498	Magnetic ordering in GdNi ₂ B ₂ C revisited by resonant x-ray scattering: Evidence for the double-gamma model. <i>Physical Review B</i> , 2013, 88, .	3.2	4
499	Electrical resistivity study of CeZn ₁₁ : Magnetic field and pressure phase diagram up to 5 GPa. <i>Physical Review B</i> , 2013, 88, .	3.2	4
500	Pressure induced change in the electronic state of Ta ₄ . <i>Physical Review B</i> , 2017, 95, .	3.2	4
501	A Nanoindentation Study of the Plastic Deformation and Fracture Mechanisms in Single-Crystalline CaFe ₂ As ₂ . <i>Jom</i> , 2018, 70, 1074-1080.	1.9	4
502	Magnetic fluctuations in the itinerant ferromagnet LaCrGe ₃ studied by NMR. <i>Physical Review B</i> , 2019, .	3.2	4
503	Magnetism and its coexistence with superconductivity in CaKFe ₄ . <i>Physical Review B</i> , 2020, 102, .	3.2	4
504	Uniaxial compression of [001]-oriented CaFe ₂ As ₂ single crystals: the effects of microstructure and temperature on superelasticity Part I: Experimental observations. <i>Acta Materialia</i> , 2021, 203, 116464.	7.9	4

#	ARTICLE	IF	CITATIONS
505	Visualizing band selective enhancement of quasiparticle lifetime in a metallic ferromagnet. Nature Communications, 2021, 12, 7169.	12.8	4
506	Pseudo-Polymorphism in Layered FeS Intercalates: A Competition between Charged and Neutral Guest Species. Chemistry of Materials, 2022, 34, 5397-5408.	6.7	4
507	Interwoven magnetic and flux line structures in single crystal (Tm,Er)Ni ₂ B ₂ C (invited). Journal of Applied Physics, 2000, 87, 5544-5548.	2.5	3
508	The magnetic characteristics of the Tb(Ni _{1-x} Cox) ₂ Ge ₂ system. Journal of Alloys and Compounds, 2000, 303-304, 289-292.	5.5	3
509	Polarization-dependent x-ray-absorption spectroscopy of RNi ₂ B ₂ C (R=Er to Lu): Reduced Ni ³⁺ occupancy in YbNi ₂ B ₂ C. Physical Review B, 2001, 64, .	3.2	3
510	MAGNETOTRANSPORT AND THE MAGNETIC PHASE DIAGRAM OF SUPERCONDUCTING ErNi ₂ B ₂ C. International Journal of Modern Physics B, 2002, 16, 3212-3215.	2.0	3
511	Damping of de Haas-van Alphen oscillations and vortex-lattice disorder in the peak-effect region of extreme type-II borocarbide superconductors. Physical Review B, 2011, 83, .	3.2	3
512	Superconductivity at 100 K: Where we've been and where we're going. MRS Bulletin, 2011, 36, 590-593.	3.5	3
513	Nearly itinerant ferromagnetism in CaNi ₂ and CaNi ₃ . Physical Review B, 2012, 85, .	3.2	3
514	Single-crystal X-ray diffraction and resonant X-ray magnetic scattering at helium-3 temperatures in high magnetic fields at beamline P09 at PETRA III. Journal of Synchrotron Radiation, 2015, 22, 1207-1214.	2.4	3
515	On the Structure and Stability of BaAl ₄ -Type Ordered Derivatives in the Sr-Au-Sn System for the 600 Å°C Section. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 375-382.	1.2	3
516	⁵⁷ Fe Mössbauer study of Lu ₂ Fe ₃ Si ₅ iron silicide superconductor. Journal of Physics and Chemistry of Solids, 2015, 83, 58-63.	4.0	3
517	Anisotropic physical properties and pressure dependent magnetic ordering of CrAuTe ₄ . Physical Review B, 2016, 94, .	3.2	3
518	Mechanically-induced disorder in CaFe ₂ As ₂ : A ⁵⁷ Fe Mössbauer study. Journal of Alloys and Compounds, 2016, 657, 379-386.	5.5	3
519	Shear localization and size-dependent strength of YCd ₆ quasicrystal approximant at the micrometer length scale. Journal of Materials Science, 2018, 53, 6980-6990.	3.7	3
520	On magnetic structure of CuFe ₂ Ge ₂ : Constrains from the ⁵⁷ Fe Mössbauer spectroscopy. Journal of Magnetism and Magnetic Materials, 2018, 446, 260-263.	2.3	3
521	Structural and magnetic properties of the CeCo ₅ -CeZn ₅ solid solution and potential improvements upon iron substitution. Journal of Magnetism and Magnetic Materials, 2019, 482, 192-200.	2.3	3
522	Measurements of elastoresistance under pressure by combining in-situ tunable quasi-uniaxial stress with hydrostatic pressure. Review of Scientific Instruments, 2020, 91, 023904.	1.3	3

#	ARTICLE	IF	CITATIONS
523	Substantial reduction of the anisotropy in the critical current densities J_c of Ni-doped $\text{CaKFe}_4\text{As}_4$ single crystals by chemical and irradiation-induced disorder. Superconductor Science and Technology, 2021, 34, 035013.	3.5	3
524	Evidence for a large Rashba splitting in PtPb_4 from angle-resolved photoemission spectroscopy. Physical Review B, 2021, 103, .	3.2	3
525	Comment on "Unconventional enhancement of ferromagnetic interactions in Cd-doped $\text{GdFe}_2\text{Zn}_{20}$ single crystals studied by ESR and ^{57}Fe Mössbauer spectroscopies" Physical Review B, 2021, 103, .	3.2	3
526	Construction of heterolayer intermetallic crystals: Case studies of the 1144-phase TM-phosphides AB_2 (TM) Phase diagram of AB_2 (TM)	2.4	3
527	Phase diagram of AB_2 (TM) from magnetostriction and magnetization measurements: Evidence for ferrimagnetic and antiferromagnetic states. Physical Review B, 2021, 104, .	3.2	3
528	A Low-Temperature Structural Transition in Canfieldite, Ag_8SnS_6 , Single Crystals. Inorganic Chemistry, 2021, 60, 19345-19355.	4.0	3
529	Path Less Traveled: A Contemporary Twist on Synthesis and Traditional Structure Solution of Metastable $\text{LiNi}_{12}\text{B}_8$. ACS Materials Au, 0, , .	6.0	3
530	Basic properties and possible high superconducting anisotropy of MgB_2 sintered powders and wire segments. AIP Conference Proceedings, 2002, , .	0.4	2
531	Cyclotron Resonance in PrSb . Journal of the Physical Society of Japan, 2003, 72, 705-708.	1.6	2
532	A cook's tale. Nature Physics, 2009, 5, 529-530.	16.7	2
533	Magnetic and structural transitions in the iron-chalcogenide high- T_c superconductor: $\text{K}_0.8\text{Fe}_{1.76}\text{Se}_{2.00}$. Journal of Applied Physics, 2012, 111, 07E126.	2.5	2
534	Magnetoelastic coupling and charge correlation lengths in a twin domain of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ ($x=0.047$): A high-resolution x-ray diffraction study. Physical Review B, 2013, 87, .	3.2	2
535	Commentary: The Hash House Harriers and the winding path to materials discovery. APL Materials, 2015, 3, 041001.	5.1	2
536	Universal doping evolution of the superconducting gap anisotropy in single crystals of electron-doped $\text{Ba}(\text{Fe}_{1-x}\text{Rh}_x)_2\text{As}_2$ from London penetration depth measurements. Journal of Physics Condensed Matter, 2018, 30, 225602.	1.8	2
537	Extremely Weakly Interacting $\hat{S}_z=0$ and $\hat{S}_z=1$ Excitations and Evidence for Fractional Quantization in a Magnetization Plateau: CeSb . Physical Review Letters, 2020, 125, 247203.	7.8	2
538	Anisotropic superconductivity in the spin-vortex antiferromagnetic superconductor CaK Physical Review B, 2021, 103, .	3.2	2
539	Pseudoelasticity of SrNi_2P_2 Micropillar via Double Lattice Collapse and Expansion. Nano Letters, 2021, 21, 7913-7920.	9.1	2
540	Magnetic field induced softening of spin waves and hard-axis order in the Kondo-lattice ferromagnet CeAgSb_2 . Physical Review B, 2021, 104, .	3.2	2

#	ARTICLE	IF	CITATIONS
541	On the growth of icosahedral Al-Pd-Mn quasicrystals from the ternary melt. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1994, 71, 184 Lack of superconductivity in the phase diagram of single-crystalline Al-Pd-Mn	0.6	2

542

#	ARTICLE	IF	CITATIONS
559	VORTEX LATTICE STRUCTURE IN LuNi ₂ B ₂ C. Series on Directions in Condensed Matter Physics, 1998, , 107-126.	0.1	1
560	Physical properties of $R\text{Bi}_2\text{Te}_3$ under pressure. Physical Review Materials, 2019, 3, .	2.4	1
561	Effects of external pressure on the narrow-gap semiconductor $\text{R}_2\text{Co}_3\text{Zn}_{14}$. Physical Review B, 2022, 105, .		
562	Tuning of Cr ²⁺ Cr Magnetic Exchange through Chalcogenide Linkers in Cr ₂ Molecular Dimers. Inorganic Chemistry, 2022, 61, 6160-6174.	4.0	1
563	Magnetic Structures in RNi ₂ B ₂ C (R = Ho, Er) Superconductors. Materials Research Society Symposia Proceedings, 1994, 376, 559.	0.1	0
564	The Influence of Growth Rate on Porosity in Al-Pd-Mn Icosahedral Quasicrystals.. Materials Research Society Symposia Proceedings, 2000, 643, 151.	0.1	0
565	CVD Routes to MgB ₂ Conductors. ChemInform, 2003, 34, no.	0.0	0
566	Magnetic properties of off-stoichiometric R ₂ Co ₃ Zn ₁₄ (R=Y, Gd) single crystals. Journal of Magnetism and Magnetic Materials, 2008, 320, 1035-1042.	2.3	0
567	Microwave impedance properties of single crystal Ba(Fe _{1-x} Co _x) ₂ As ₂ . , 2010, , .		0
568	Relation between superconductivity and tetragonal phase stabilized by uniaxial pressure in CaFe ₂ As ₂ . Journal of Physics: Conference Series, 2011, 273, 012102.	0.4	0
569	A search for field-induced ordering in the optimally doped Ba(Fe,Co) ₂ As ₂ superconductor. Journal of Applied Physics, 2013, 113, 17E127.	2.5	0
570	Quantum diffusion of electrons in quasiperiodic and periodic approximant lattices in the rare earth-cadmium system. Philosophical Magazine, 2016, 96, 1122-1130.	1.6	0
571	Growth and characterization of BaZnGa. Philosophical Magazine, 2017, 97, 3317-3324.	1.6	0
572	The solidification of Al-Pd-Mn studied by high-energy X-ray diffraction from electrostatically levitated samples. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 619-627.	0.8	0
573	Characterization of Dislocations in Single-Crystalline Ag ₃ Sn Intermetallic Alloys. Microscopy and Microanalysis, 2017, 23, 760-761.	0.4	0
574	⁷⁵ As NMR and XRD Study of Structural and Electronic Inhomogeneities in Ba(Fe _{1-x} Ni _x) ₂ As ₂ . Journal of Superconductivity and Novel Magnetism, 2018, 31, 3289-3295.	1.8	0
575	Ubiquity of amplitude-modulated magnetic ordering in the H-T phase diagram of the frustrated non-Fermi-liquid YbAgGe. Physical Review B, 2021, 104, .	3.2	0
576	Temperature dependent striction effect in a single crystalline Nd ₂ Fe ₁₄ B revealed using a novel high temperature resistivity measurement technique. Measurement Science and Technology, 2022, 33, 055901.	2.6	0