

Paul C Canfield

List of Publications by Year in descending order

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576
papers

28,331
citations

4942

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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.	2.9	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.	6.0	668
4	Superconductivity in Dense MgB ₂ Wires. Physical Review Letters, 2001, 86, 2423-2426.	2.9	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.	13.3	266
20	Uniaxial-strain mechanical detwinning of CaFe_2As_2 . Physical Review B, 2010, 81, .	1.1	255
21	Vortex phase diagram of BaFe_2As_2 . Physical Review B, 2008, 78, .	1.1	237
22	Evidence for a Lifshitz transition in electron-doped iron arsenic superconductors at the onset of superconductivity. Nature Physics, 2010, 6, 419-423.	6.5	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.	3.3	226
24	Dirac node arcs in PtSn ₄ . Nature Physics, 2016, 12, 667-671.	6.5	223
25	Use of frit-disc crucibles for routine and exploratory solution growth of single crystalline samples. Philosophical Magazine, 2016, 96, 84-92.	0.7	196
26	Unconventional pairing in the iron arsenide superconductors. Physical Review B, 2010, 81, .	1.1	191
27	Magnetic pair breaking in HoNi ₂ B ₂ C. Physical Review B, 1994, 50, 9668-9671.	1.1	189
28	Decoupling of the superconducting and magnetic/structural phase transitions in electron-doped BaFe_2As_2 . Physical Review B, 2009, 80, .	1.1	188
29	Temperature versus doping phase diagrams for BaFe_2As_2 . Physical Review B, 2010, 82, .	1.1	185
30	High-temperature solution growth of intermetallic single crystals and quasicrystals. Journal of Crystal Growth, 2001, 225, 155-161.	0.7	176
31	Temperature-Induced Lifshitz Transition in WTe_2 . Physical Review Letters, 2015, 115, 166602.	2.9	176
32	Magnetism and heavy fermion-like behavior in the RBiPt series. Journal of Applied Physics, 1991, 70, 5800-5802.	1.1	173
33	Structural transition and anisotropic properties of single-crystalline SrFe_2As_2 . Physical Review B, 2008, 78, .	1.1	168
34	Anisotropy of the iron pnictide superconductor BaFe_2As_2 . Physical Review B, 2009, 79, .	1.1	168
35	Phase diagrams for SrFe_2As_2 and BaFe_2As_2 . Physical Review B, 2009, 79, .	1.1	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.	1.0	165

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37	Enhancement of interlayer exchange in an ultrathin two-dimensional magnet. Nature Physics, 2019, 15, 1255-1260.	6.5	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, .	1.1	164
39	Phase diagrams of BaFe_2As_2 . Physical Review B, 2009, 80, .	1.1	163
40	Determination of anisotropic magnetic susceptibility of BaFe_2As_2 up to 60 T in BaFe_2As_2 . Physical Review B, 2008, 78, .	1.1	161
41	Possible Correlated-Electron Behavior from Quadrupolar Fluctuations in PrInAg_2 . Physical Review Letters, 1996, 77, 3637-3640.	2.9	160
42	Absence of superconductivity in single-phase CaFe_2As_2 under hydrostatic pressure. Physical Review B, 2009, 79, .	1.1	156
43	Protein-Mediated Synthesis of Uniform Superparamagnetic Magnetite Nanocrystals. Advanced Functional Materials, 2007, 17, 951-957.	7.8	154
44	An overview of the basic physical properties of MgB_2 . Physica C: Superconductivity and Its Applications, 2003, 385, 1-7.	0.6	150
45	Magnetic structure of $\text{ErNi}_2\text{B}_2\text{C}$. Physical Review B, 1995, 51, 678-680.	1.1	148
46	Jump in specific heat at the superconducting transition temperature in BaFe_2As_2 . Physical Review B, 2009, 79, .	1.1	146
47	Nodes in the gap structure of the iron arsenide superconductor BaFe_2As_2 . Physical Review B, 2010, 82, .	1.1	143
48	Magnetic field effects on transport properties of PtSn . Physical Review B, 2012, 85, .	1.1	141
49	Microscopic coexistence of magnetism and superconductivity in $\text{ErNi}_2\text{B}_2\text{C}$. Nature, 1996, 382, 236-238.	13.7	137
50	Doping Dependence of Heat Transport in the Iron-Arsenide Superconductor BaFe_2As_2 . Physical Review Letters, 2010, 104, 067002.	2.9	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.	0.6	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, .	1.1	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.	2.9	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, .	1.1	99
74	Physical and magnetic properties of $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2010, 82, .	1.1	98
75	A family of binary magnetic icosahedral quasicrystals based on rare earths and cadmium. Nature Materials, 2013, 12, 714-718.	13.3	98
76	Origin of the Resistivity Anisotropy in the Nematic Phase of FeSe. Physical Review Letters, 2016, 117, 127001.	2.9	93
77	Superconducting MgB ₂ thin films by pulsed laser deposition. Applied Physics Letters, 2001, 79, 227-229.	1.5	92
78	London penetration depth in single crystals of $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2009, 79, .	1.1	92
79	Magnetic structure of GdNi ₂ B ₂ C by resonant and nonresonant x-ray scattering. Physical Review B, 1996, 53, 6355-6361.	1.1	91
80	Magnetic anisotropy and weak ferromagnetism of single-crystal TbNi ₂ B ₂ C. Physical Review B, 1996, 53, 8499-8505.	1.1	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, .	1.1	89
82	Phase transition in bulk single crystals and thin films of $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2009, 79, .	1.1	88
83	Resistivity anisotropy of $Ba_{1-x}K_xFe_2As_2$ and $KxFe_2As_2$. Physical Review B, 2007, 75, 93.	1.1	87
84	Antiferromagnetic ordering in the absence of structural distortion in $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2010, 82, .	1.1	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, .	1.1	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.	13.7	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. Stabilization of an ambient-pressure collapsed tetragonal phase in CaFe_2As_2 . Physical Review B, 2016, 94, .	6.5	81
94	As_2S_2 . Physical Review B, 2016, 94, .	1.1	81
95	Variation of transition temperatures and residual resistivity ratio in vapor-grown FeSe . <i>Physical Review B</i> , 2016, 94, .	1.1	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.	1.1	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, .	1.1	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.	1.2	66
111	London penetration depth in $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2010, 82, .	1.1	66
112	Pseudogap and its critical point in the heavily doped $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2010, 82, .	1.1	66
113	thermodynamic and transport measurements, and pressure dependence of $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2015, 91, .	1.1	66
114	Reinvestigation of long-range magnetic ordering in icosahedral Tb-Mg-Zn. Physical Review B, 1998, 57, R11047-R11050.	1.1	64
115	Muon spin rotation measurement of the magnetic field penetration depth in $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2009, 80, .	1.1	64
116	Ultrafast observation of critical nematic fluctuations and giant magnetoelastic coupling in iron pnictides. Nature Communications, 2014, 5, 3229.	5.8	64
117	Optimization of the crystal growth of the superconductor $Ca_{1-x}K_xFe_2As_2$ from solution in the $Ba_{1-x}K_xFe_2As_2$. Physical Review Materials, 2017, 1, .	0.9	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.	2.9	62
119	Magnetic properties of $R_{1-x}Fe_xAs_2$. Physical Review B, 2009, 79, 014411.	1.1	62
120	Magnetic ordering and structural distortion in Ru-doped $BaFe_2As_2$. Physical Review B, 2011, 83, 014411.	1.1	62
121	What Controls the Phase Diagram and Superconductivity in Ru-Substituted $BaFe_2As_2$?. Physical Review Letters, 2011, 107, 267002.	2.9	62
122	Giant magnetic anisotropy and tunnelling of the magnetization in Li ₂ (Li _{1-x} Fex)N. Nature Communications, 2014, 5, 3333.	5.8	60
123	Magnetic-field-tuned quantum criticality of the heavy-fermion system YbPtBi. Physical Review B, 2013, 87, .	1.1	59
124	Atomic Origin of Magnetocrystalline Anisotropy in Nd ₂ Fe ₁₄ B. Physical Review Letters, 2005, 95, 217207.	2.9	58
125	Solidification and loss of hydrostaticity in liquid media used for pressure measurements. Review of Scientific Instruments, 2015, 86, 123904.	0.6	58
126	Manipulating magnetism in the topological semimetal $EuCd_2As_2$. Physical Review B, 2020, 101, .	1.1	58

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127	Novel Ce magnetism in CeDipnictide and Diâ€Ce pnictide structures. Journal of Applied Physics, 1991, 70, 5992-5994.	1.1	57
128	Thermal expansion and anisotropic pressure derivatives of $\frac{\partial T}{\partial c}$		

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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, .	1.1	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.	2.9	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, .	1.1	44
166	Competition between stripe and checkerboard magnetic instabilities in Mn-doped BaFe_2As_2 . Physical Review Letters, 2013, 111, 227002.	1.1	44
167	Unusual Temperature Dependence of Band Dispersion in BaFe_2As_2 . Physical Review Letters, 2013, 110, 067002.	1.1	44
168	Magnetic crystalline-symmetry-protected axion electrodynamics and field-tunable unpinned Dirac cones in Euln_2As_2 . Nature Communications, 2021, 12, 999.	5.8	44
169	Valence-Band Dispersion in Angle-Resolved Resonant Photoemission from LaSb . Physical Review Letters, 1996, 76, 4265-4268.	2.9	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.	2.9	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, .	1.1	43
173	Suppression of antiferromagnetic order and orthorhombic distortion in superconducting BaFe_2As_2 . Physical Review B, 2010, 81, .	1.1	42
174	Unusual Temperature Dependence of Band Dispersion in BaFe_2As_2 . Physical Review Letters, 2013, 110, 067002.	2.9	42
175	Effect of nickel substitution on magnetism in the layered van der Waals ferromagnet Fe_3S_4 . Physical Review B, 2018, 98, .	1.1	42
176	Disorder-Driven Transition from $\text{CaKFe}_4\text{As}_8$ to $\text{CaK}_2\text{Fe}_4\text{As}_8$. Physical Review Letters, 2017, 118, 067001.	2.9	42
177	Superconducting Order Parameter in Proton Irradiated $\text{CaK}_2\text{Fe}_4\text{As}_8$. Physical Review Letters, 2017, 118, 067001.	1.1	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.	5.8	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, .	1.1	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.	2.9	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.	0.7	39
182	Solution growth of a binary icosahedral quasicrystal of Sc . Physical Review B, 2010, 81, .	1.1	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, .	1.1	38
184	Nodeless superconductivity in the type-II Dirac semimetal PdTe : London penetration depth and pairing-symmetry analysis. Physical Review B, 2018, 98, .	1.1	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.	0.6	36
186	Tunneling spectroscopy in the magnetic superconductor $\text{TmNi}_2\text{B}_2\text{C}$. Physical Review B, 2001, 64, .	1.1	36
187	Magnetism and superconductivity in rare earth "nickel" borocarbides. Comptes Rendus Physique, 2006, 7, 56-67.	0.3	36
188	Crystallographic phase transition within the magnetically ordered state of $\text{Ce}_2\text{Fe}_{17}$. Physical Review B, 2007, 76, .	1.1	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, .	1.1	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, .	1.1	36
191	Pressure-induced half-collapsed-tetragonal phase in $\text{CaKFe}_4\text{As}_8$. Physical Review B, 2017, 96, .	1.1	36
192	Persistent correlation between superconductivity and antiferromagnetic fluctuations near a nematic quantum critical point in FeSe . Physical Review B, 2018, 98, .	1.1	36
193	NMR spectroscopy of the normal and superconducting states of MgB_2 and comparison to AlB_2 . Physical Review B, 2002, 66, .	1.1	34
194	Field-induced non-Fermi-liquid resistivity of stoichiometric YbAgGe single crystals. Physical Review B, 2006, 73, .	1.1	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.	1.8	34
196	Dome of magnetic order inside the nematic phase of sulfur-substituted FeSe under pressure. Physical Review B, 2017, 96, .	1.1	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.	1.1	33
198	^{11}B NMR and relaxation in the MgB_2 superconductor. Physical Review B, 2001, 64, .	1.1	33

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199	Angular-dependent planar metamagnetism in the hexagonal compounds TbPtIn and TmAgGe. Physical Review B, 2005, 71, .	1.1	33
200	Anisotropic Hall effect in single-crystal heavy-fermion YbAgGe. Physical Review B, 2005, 71, .	1.1	33
201	Experimental setup for the measurement of the thermoelectric power in zero and applied magnetic field. Measurement Science and Technology, 2010, 21, 055104.	1.4	33
202	Multiple regions of quantum criticality in YbAgGe. Physical Review B, 2011, 83, .	1.1	33
203	NMR evidence for inhomogeneous glassy behavior driven by nematic fluctuations in iron arsenide superconductors. Physical Review B, 2015, 92, .	1.1	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, .	1.1	33
205	Precise measurements of radio-frequency magnetic susceptibility in ferromagnetic and antiferromagnetic materials. Journal of Magnetism and Magnetic Materials, 2008, 320, 354-363.	1.0	32

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217	Excitations in underdoped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$. Physical Review B, 2018, 97, .	1.1	29
218	Antiferromagnetic order in $\text{CaK}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$ and its interplay with su. Physical Review B, 2018, 97, .	1.1	29
219	Optical Conductivity of the Superconductors $\text{LaNi}_2\text{B}_2\text{C}$ (L=Lu and Y). Physical Review Letters, 1997, 78, 547-550.	2.9	28
220	Strongly dissimilar vortex-liquid regimes in single-crystalline $\text{NdFeAs}(\text{O},\text{F})$ and $(\text{Ba},\text{K})\text{Fe}_2\text{As}_2$: A comparative study. Physical Review B, 2009, 80, .	1.1	28
221	Nonequilibrium Pair Breaking in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$. Physical Review B, 2018, 97, 267001.	1.1	28
222	Anisotropy and internal-field distribution of MgB_2 in the mixed state at low temperatures. Physical Review B, 2004, 70, .	1.1	27
223	Magnetic properties of $\text{Cd}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$. Physical Review B, 2014, 89, 114411.	1.1	27
224	Contribution of Fe^{2+} to the Fermi level of $\text{CaFe}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$. Physical Review B, 2009, 80, .	1.1	27
225	Magnetic order in GdBiPt studied by x-ray resonant magnetic scattering. Physical Review B, 2011, 84, .	1.1	27
226	Suppression of electron correlations in the collapsed tetragonal phase of $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)_2$ at ambient pressure demonstrated by $\text{As}(\text{Fe}_{1-x}\text{Co}_x)_2$. Physical Review B, 2014, 89, 114411.	1.1	27
227	Magnetic and transport properties of $\text{R}(\text{Fe}_{1-x}\text{Co}_x)_2$ quasicrystals. Physical Review B, 2014, 89, 114411.	1.1	27
228	Preserved entropy and fragile magnetism. Reports on Progress in Physics, 2016, 79, 084506.	8.1	27
229	A study of the physical properties of single crystalline $\text{Fe}_5\text{B}_2\text{P}$. Journal of Magnetism and Magnetic Materials, 2016, 401, 525-531.	1.0	27
230	Measuring the Lower Critical Field of Superconductors Using Nitrogen-Vacancy Centers in Diamond Optical Magnetometry. Physical Review Applied, 2019, 11, .	1.5	27
231	Unconventional supercurrent phase in Ising superconductor Josephson junction with atomically thin magnetic insulator. Nature Communications, 2021, 12, 5332.	5.8	27
232	Systematics of x-ray resonant scattering amplitudes in RNi_2Ge_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, .	1.1	26
233	Signatures of quantum criticality in the thermopower of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$. Physical Review B, 2018, 97, 267001.	1.1	26
234	Three-dimensionality of the bulk electronic structure in WTe_2 . Physical Review B, 2017, 95, .	1.1	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.	1.2	26
236	Tuning the Intrinsic Anisotropy with Disorder in the CaFeAs_4 Superconductor. <i>Physical Review Applied</i> , 2020, 13, .	1.5	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 CaFeAs_4 .	1.1	25
238	FeAs_2 X-ray diffraction on large single crystals using a powder diffractometer. <i>Philosophical Magazine</i> , 2016, 96, 2115-2124.	1.1	25
239	Electron irradiation effects on superconductivity in PdTe_2 : An application of a generalized Anderson theorem. <i>Physical Review Research</i> , 2020, 2, .	0.7	25
240	Emergence of Fermi arcs due to magnetic splitting in an antiferromagnet. <i>Nature</i> , 2022, 603, 610-615.	1.3	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, .	13.7	25
242	Extrinsic origin of the insulating behavior of polygrain icosahedral AlPdRe quasicrystals. <i>Physical Review B</i> , 2006, 74, .	1.1	24
243	Colossal positive magnetoresistance in a doped nearly magnetic semiconductor. <i>Physical Review B</i> , 2008, 77, .	1.1	24
244	Tuning low-temperature physical properties of CeNiGe . <i>Physical Review B</i> , 2019, 100, 020407.	1.1	24
245	Hydrostatic and Uniaxial Pressure Dependence of Superconducting Transition Temperature of KFeAs_2 .	1.1	24
246	Alternating magnetic anisotropy of LiFeAs_2 single crystals. <i>Physical Review B</i> , 2012, 86, 020407.	1.1	24
247	Alternating magnetic anisotropy of LiFeAs_2 single crystals. <i>Physical Review B</i> , 2012, 86, 020407.	1.1	24

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253	Effect of Biaxial Strain on the Phase Transitions of $\text{Ca}_{1-x}\text{Fe}_x\text{Mn}_2\text{As}_2$. Physical Review B, 2019, 100, .	2.9	23
254	Analysis of the London penetration depth in Ni-doped $\text{CaKFe}_4\text{As}_8$. Physical Review B, 2019, 100, .	1.1	22
255	Anomalous magnetoresistance at low temperatures ($T \sim 1/2 T_0$) in a single crystal of GdBi_4 . Journal of Applied Physics, 2005, 97, 10A923.	1.1	22
256	Hysteretic magnetoresistance and unconventional anomalous Hall effect in the frustrated magnet TmBi_4 . Physical Review B, 2016, 93, .	1.1	22
257	Crystal electric field excitations in the quasicrystal approximant TbCd_6 by inelastic neutron scattering. Physical Review B, 2017, 95, .	1.1	22
258	Superelasticity and cryogenic linear shape memory effects of CaFe_2As_2 . Nature Communications, 2017, 8, 1083.	5.8	22
259	Competing pairing interactions responsible for the large upper critical field in a stoichiometric iron-based superconductor $\text{CaKFe}_4\text{As}_8$. Physical Review B, 2020, 101, .	1.1	22
260	Flat band carrier confinement in magic-angle twisted bilayer graphene. Nature Communications, 2021, 12, 4180.	5.8	22
261	Pressure-induced ferromagnetism in the topological semimetal EuCd_2As_2 . Physical Review B, 2021, 104, .	1.1	21
262	Unusual spin-glass phase in icosahedral Tb-Mg-Zn quasicrystals. Physical Review B, 2001, 64, .	1.1	21
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