

Ian Fisher

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3007470/publications.pdf>

Version: 2024-02-01

269
papers

21,088
citations

10956

71
h-index

10127

140
g-index

272
all docs

272
docs citations

272
times ranked

13208
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Realization of a Three-Dimensional Topological Insulator, Bi_2Te_3 . Science, 2009, 325, 178-181.	6.0	3,095
2	Massive Dirac Fermion on the Surface of a Magnetically Doped Topological Insulator. Science, 2010, 329, 659-662.	6.0	1,051
3	In-Plane Resistivity Anisotropy in an Underdoped Iron Arsenide Superconductor. Science, 2010, 329, 824-826.	6.0	690
4	Two-dimensional surface state in the quantum limit of a topological insulator. Nature Physics, 2010, 6, 960-964.	6.5	521
5	Determination of the phase diagram of the electron-doped superconductor $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$. Physical Review B, 2009, 79, 040501.	1.1	469
6	STM Imaging of Electronic Waves on the Surface of Bi_2Te_3 . Topologically Protected Surface States and Hexagonal Warping Effects. Physical Review Letters, 2010, 104, 016401.	2.9	464
7	Symmetry-breaking orbital anisotropy observed for detwinned $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6878-6883.	3.3	464
8	Divergent Nematic Susceptibility in an Iron Arsenide Superconductor. Science, 2012, 337, 710-712.	6.0	452
9	Bulk Fermi surface coexistence with Dirac surface state in Bi_2Te_3 . A comparison of photoemission and Shubnikov-de Haas measurements. Physical Review B, 2010, 81, 040401.	1.1	425
10	Transient Electronic Structure and Melting of a Charge Density Wave in TbTe_3 . Science, 2008, 321, 1649-1652.	6.0	417
11	Ambipolar field effect in the ternary topological insulator $(\text{Bi}_x\text{Sb}_{1-x})_2\text{Te}_3$ by composition tuning. Nature Nanotechnology, 2011, 6, 705-709.	15.6	345
12	Rapid Surface Oxidation as a Source of Surface Degradation Factor for Bi_2Se_3 . ACS Nano, 2011, 5, 4698-4703.	7.3	320
13	Unconventional Josephson Effect in Hybrid Superconductor-Topological Insulator Devices. Physical Review Letters, 2012, 109, 056803.	2.9	314
14	Ultrafast Optical Excitation of a Persistent Surface-State Population in the Topological Insulator Bi_2Te_3 . Physical Review Letters, 2012, 108, 117403.	2.9	313
15	Electronic structure of the iron-based superconductor LaOFeP . Nature, 2008, 455, 81-84.	13.7	279
16	Ubiquitous signatures of nematic quantum criticality in optimally doped Fe-based superconductors. Science, 2016, 352, 958-962.	6.0	239
17	In-plane electronic anisotropy of underdoped FeAs_2 Fe-arsenide superconductors revealed by measurements of detwinned single crystals. Reports on Progress in Physics, 2011, 74, 124506.	8.1	214
18	Dimensional reduction at a quantum critical point. Nature, 2006, 441, 617-620.	13.7	211

#	ARTICLE	IF	CITATIONS
19	Evidence for a Nodal-Line Superconducting State in LaFePO. Physical Review Letters, 2009, 102, 147001.	2.9	197
20	HfSe ₂ and ZrSe ₂ : Two-dimensional semiconductors with native high- $\hat{\rho}$ oxides. Science Advances, 2017, 3, e1700481.	4.7	197
21	Single Dirac Cone Topological Surface State and Unusual Thermoelectric Property of Compounds from a New Topological Insulator Family. Physical Review Letters, 2010, 105, 266401.	2.9	195
22	Coherent dynamics of macroscopic electronic order through a symmetry breaking transition. Nature Physics, 2010, 6, 681-684.	6.5	189
23	Fermi Surface of Superconducting LaFePO Determined from Quantum Oscillations. Physical Review Letters, 2008, 101, 216402.	2.9	182
24	Observation of Temperature-Induced Crossover to an Orbital-Selective Mott Phase in $A_xM_{1-x}Fe_2$		

#	ARTICLE	IF	CITATIONS
37	Critical Doping in Overdoped High-Tc Superconductors: a Quantum Critical Point?. Physica Status Solidi (B): Basic Research, 1999, 215, 531-540.	0.7	120
38	Evidence for Charge Kondo Effect in Superconducting Tl-Doped PbTe. Physical Review Letters, 2005, 94, 157002.	2.9	118
39	Electronic structure of the BaFe_2As_2 of iron-pnictide superconductors. Physical Review B, 2009, 80, .	1.1	116
40	Evidence for a Nodal Energy Gap in the Iron-Pnictide Superconductor LaFePO from Penetration Depth Measurements by Scanning SQUID Susceptometry. Physical Review Letters, 2009, 103, 127003.	2.9	115
41	Revealing the dual nature of magnetism in iron pnictides and iron chalcogenides using x-ray emission spectroscopy. Physical Review B, 2011, 84, .	1.1	112
42	Widespread spin polarization effects in photoemission from topological insulators. Physical Review B, 2011, 84, .	1.1	111
43	Magnetic and transport properties of single-grain R-Mg-Zn icosahedral quasicrystals [R=Y, (Y _{1-x} Gd _x), (Y _{1-x} Tb _x), Tb, Dy, Ho, and Er]. Physical Review B, 1999, 59, 308-321.	1.1	108
44	Nesting Properties and Anisotropy of the Fermi Surface of $\text{LuNi}_2\text{B}_2\text{C}$. Physical Review Letters, 1999, 83, 4824-4827.	2.9	106
45	Distinguishing Bulk and Surface Electron-Phonon Coupling in the Topological Insulator Bi_2Te_3 by Time-Resolved Photoemission Spectroscopy. Physical Review Letters, 2014, 113, 157401.	2.9	103
46	Thermodynamic and transport properties of YTe_3 , LaTe_3 , and CeTe_3 . Physical Review B, 2006, 73, .	1.1	101
47	Growth of large-grain R-Mg-Zn quasicrystals from the ternary melt (R = Y, Er, Ho, Dy and Tb). The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 1601-1615.	0.6	100
48	Transport near a quantum critical point in $\text{BaFe}_2(\text{As}_{1-x}\text{Px})_2$. Nature Physics, 2014, 10, 194-197.	6.5	100
49	High Current Density and Low Thermal Conductivity of Atomically Thin Semimetallic WTe_2 . ACS Nano, 2016, 10, 7507-7514.	7.3	100
50	Iron pnictides and chalcogenides: a new paradigm for superconductivity. Nature, 2022, 601, 35-44.	13.7	98
51	Enhanced superconducting pairing interaction in indium-doped tin telluride. Physical Review B, 2009, 79, .	1.1	96
52	Possible origin of the nonmonotonic doping dependence of the in-plane resistivity anisotropy of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2011, 84, .	1.1	95
53	Fermi surface nesting and charge-density wave formation in rare-earth tritellurides. Physical Review B, 2005, 71, .	1.1	94
54	Angular Dependence of the c-axis Normal State Magnetoresistance in Single Crystal $\text{Tl}_2\text{Ba}_2\text{CuO}_6$. Physical Review Letters, 1996, 76, 122-125.	2.9	93

#	ARTICLE	IF	CITATIONS
73	of vortices near twin boundaries in underdoped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review Letters, 2009, 103, 076401.	1.1	71
74	Fermi Surface of SrFe_2P_2 Determined by the de Haas-van Alphen Effect. Physical Review Letters, 2009, 103, 076401.	2.9	70
75	Ultrafast electron dynamics in the charge density wave material TbTe_3 . New Journal of Physics, 2011, 13, 063022.	1.2	70
76	On the growth of decagonal Al-Ni-Co quasicrystals from the ternary melt. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 425-434.	0.6	67
77	ARPES studies of the electronic structure of $\text{LaOFe}(\text{P,As})$. Physica C: Superconductivity and Its Applications, 2009, 469, 452-458.	0.6	67
78	Critical spin fluctuations and the origin of nematic order in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Nature Physics, 2016, 12, 560-563.	6.5	67
79	Ultrafast electron dynamics in the topological insulator Bi_2Se_3 studied by time-resolved photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 249-257.	0.8	66
80	Stripes of increased diamagnetic susceptibility in underdoped superconducting $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2010, 81, .	1.1	65
81	Reinvestigation of long-range magnetic ordering in icosahedral Tb-Mg-Zn. Physical Review B, 1998, 57, R11047-R11050.	1.1	64
82	Pressure-Induced Superconducting Phase in the Charge-Density-Wave Compound Terbium Tritelluride. Physical Review Letters, 2009, 102, 177002.	2.9	63
83	Pressure dependence of the charge-density-wave and superconducting states in GdTe_3 and DyTe_3 . Physical Review B, 2015, 91, .	1.1	63
84	Systematic Studies of the Square-Hexagonal Flux Line Lattice Transition in $\text{Lu}(\text{Ni}_{1-x}\text{Co}_x)_2\text{B}_2\text{C}$: The Role of Nonlocality. Physical Review Letters, 1999, 82, 4082-4085.	2.9	62
85	STM Studies of TbTe_3 : Topological Change of the Fermi Surface in Ternary Iron Pentelides with Reduced c -Axis. Physical Review Letters, 1999, 046401.	2.9	60
86	de Haas-van Alphen Study of CaFe_2P_2 Ratio: A de Haas-van Alphen Study of CaFe_2P_2 . Physical Review Letter	2.9	59
87	Magnetism and local symmetry breaking in a Mott insulator with strong spin orbit interactions. Nature Communications, 2017, 8, 14407.	5.8	58
88	Resistivity and magnetic susceptibility of single-crystal $\text{Lu}(\text{Ni}_{1-x}\text{Co}_x)_2\text{B}_2\text{C}$ ($x=0.0\text{--}0.09$). Physical Review B, 1998, 58, 6463-6467.	1.1	57
89	Magnetic properties of the charge density wave compounds $\text{R}(\text{Fe}_{1-x}\text{Co}_x)_2\text{B}_2\text{C}$. Enhanced Fermi-Surface Nesting in Superconducting BaFe_2As_2 .	1.1	57
90	Stretchy BaFe_2As_2 .	2.9	56

#	ARTICLE	IF	CITATIONS
91	Persistent order due to transiently enhanced nesting in an electronically excited charge density wave. <i>Nature Communications</i> , 2016, 7, 10459.	5.8	56
92	Electronic structure and charge-density wave formation in $\text{LaTe}_{1.95}$ and $\text{CeTe}_{2.00}$. <i>Physical Review B</i> , 2005, 72, .	1.1	55
93	Multiple Magnon Modes and Consequences for the Bose-Einstein Condensed Phase in $\text{BaCuSi}_2\text{O}_6$. <i>Physical Review Letters</i> , 2007, 98, 017202.	2.9	55
94	Direct Measurement of Current-Phase Relations in Superconductor/Topological Insulator/Superconductor Junctions. <i>Nano Letters</i> , 2013, 13, 3086-3092.	4.5	55
95	Effect of Disorder on the Resistivity Anisotropy Near the Electronic Nematic Phase Transition in Pure and Electron-Doped BaFe_2As_2 . <i>Physical Review Letters</i> , 2014, 112, 227001.	2.9	55
96	Chemical pressure and hidden one-dimensional behavior in rare-earth tri-telluride charge-density wave compounds. <i>Physical Review B</i> , 2006, 74, .	1.1	54
97	Wave-vector-dependent electron-phonon coupling and the charge-density-wave transition in TbTe_3 . <i>Physical Review B</i> , 2015, 91, .		54
98	Evidence for a nematic component to the hidden-order parameter in URu_2Si_2 from differential elastoresistance measurements. <i>Nature Communications</i> , 2015, 6, 6425.	5.8	54
99	Pinpointing gap minima in BaFe_2As_2 . <i>Physical Review B</i> , 2010, 82, .		53
100	Structure of the tenfold Al-Ni-Co quasicrystal surface. <i>Physical Review B</i> , 2004, 69, .	1.1	52
101	Pressure Dependence of the Charge-Density-Wave Gap in Rare-Earth Tritellurides. <i>Physical Review Letters</i> , 2007, 98, 026401.	2.9	52
102	Dynamical Slowing-Down in an Ultrafast Photoinduced Phase Transition. <i>Physical Review Letters</i> , 2019, 123, 097601.	2.9	50
103	Transfer of spectral weight across the gap of Sr_2VO_4 by La doping. <i>Physical Review B</i> , 2015, 92, .		49
104	Singlet-Triplet Dispersion Reveals Additional Frustration in the Triangular-Lattice Dimer Compound Ba_3VO_7 . <i>Physical Review Letters</i> , 2008, 100, 237201.	1.1	46
105	Charge transfer and multiple density waves in the rare earth tellurides. <i>Physical Review B</i> , 2013, 87, .	1.1	46
106	Geometric Frustration and Dimensional Reduction at a Quantum Critical Point. <i>Physical Review Letters</i> , 2007, 98, 257201.	2.9	44
107	Doping dependence of femtosecond quasiparticle relaxation dynamics in $\text{Ba}(\text{Fe},\text{Co})_2\text{As}_2$ single crystals: Evidence for normal-state nematic fluctuations. <i>Physical Review B</i> , 2012, 86, .	1.1	44
108	Stripe-like nanoscale structural phase separation in superconducting $\text{BaPb}_{1-x}\text{Bi}_x\text{O}_3$. <i>Nature Communications</i> , 2015, 6, 8231.	5.8	44

#	ARTICLE	IF	CITATIONS
109	On the growth of icosahedral Al ₁₀ Pd ₃ 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
110	Evidence for coupling between charge density waves and phonons in two-dimensional rare-earth tritellurides. Physical Review B, 2008, 78, .	1.1	43
111	Raman scattering evidence for a cascade evolution of the charge-density-wave collective amplitude mode. Physical Review B, 2010, 81, .	1.1	42
112	Controlling the carriers of topological insulators by bulk and surface doping. Semiconductor Science and Technology, 2012, 27, 124002.	1.0	41
113	Momentum Dependence of the Nematic Order Parameter in Iron-Based Superconductors. Physical Review Letters, 2019, 123, 066402.	2.9	41
114	Ordered magnetic phases of the frustrated spin-dimer compound $Ba_3Mn_2Sb_2O_{14}$. Physical Review B, 2008, 77, .	1.1	38
115	Dynamic competition between spin-density wave order and superconductivity in underdoped $Ba_{1-x}K_xFe_2As_2$. Nature Communications, 2014, 5, 3711.	5.8	38
116	Anisotropic resistivity and normal-state magnetoresistance of RNi_2B_2C (R=Y, Lu, Er, Ho). Physical Review B, 1997, 56, 10820-10823.	1.1	37
117	Condensation in the Frustrated Spin Dimer Compound $Sr_2V_2O_7$. Physical Review Letters, 2005, 95, 077201.	2.9	37
118	STM Imaging of a Bound State along a Step on the Surface of the Topological Insulator Bi_2Te_3 . Physical Review Letters, 2013, 111, 076801.	1.1	36
119	Origin of the Resistive Anisotropy in the Electronic Nematic Phase of $BaFe_2As_2$ by Optical Spectroscopy. Physical Review Letters, 2015, 115, 107001.	2.9	36
120	Degree of structural perfection of icosahedral quasicrystalline grains investigated by synchrotron X-ray diffractometry and imaging techniques. Philosophical Magazine, 2003, 83, 1-29.	0.7	35
121	Role of anisotropy in the spin-dimer compound $BaCuSi_2O_6$. Physical Review B, 2006, 74, .	1.1	34
122	Incoherent Topological Defect Recombination Dynamics in $TbTe_3$. Physical Review Letters, 2013, 110, 156401.	2.9	34
123	NMR Evidence for Inhomogeneous Nematic Fluctuations in $BaFe_2As_2$. Physical Review Letters, 2015, 115, 107001.	2.9	34

#	ARTICLE	IF	CITATIONS
127	Anisotropic in-plane optical conductivity in detwinned $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. New Journal of Physics, 2012, 14, 023020.	1.2	32
128	High resolution time- and angle-resolved photoemission spectroscopy with 11 eV laser pulses. Review of Scientific Instruments, 2020, 91, 043102.	0.6	32
129	Nuclear magnetic resonance evidence for a strong modulation of the Bose-Einstein condensate in $\text{BaCuSi}_2\text{O}_6$. Physical Review B, 2007, 76, .	1.1	31
130	Dispersive magnetic excitations in the antiferromagnetic BaMn_3As_2 . Physical Review B, 2010, 81, 080408.	1.1	31
131	Neutron scattering study of the magnetic structure of BaFe_2As_2 . Physical Review B, 2008, 77, .		

#	ARTICLE	IF	CITATIONS
145	study of the electronic structure of the metallic pyrochlore iridate Bi_2O_7 . http://www.w3.org/1998/Math/MathML display="inline" IrO_2 http://www.w3.org/1998/Math/MathML display="inline" O	1.1	24
146	Transverse fields to tune an Ising-nematic quantum phase transition. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13430-13434.	3.3	24
147	Magnetic properties of single grain MgCd primitive icosahedral quasicrystals (R=Y, Gd, Tb or Dy). Philosophical Magazine, 2004, 84, 1029-1037.	0.7	23
148	Charge dynamics of the spin-density-wave state in BaFe_2As_2 . European Physical Journal B, 2009, 67, 513-517.	0.6	23
149	Temperature dependence of the excitation spectrum in the charge-density-wave ErTe_3 and HoTe_3 systems. Physical Review B, 2010, 81, .	1.1	23
150	Use of periodic approximants in a dynamical LEED study of the quasicrystalline tenfold surface of decagonal Al-Ni-Co. Physical Review B, 2006, 73, .	1.1	22
151	Hysteretic behavior in the optical response of the underdoped Fe-arsenide $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ in the electronic nematic phase. Physical Review B, 2014, 89, .	1.1	22
152	Nematic quantum criticality in an Fe-based superconductor revealed by strain-tuning. Science, 2021, 372, 973-977.	6.0	22
153	Unusual spin-glass phase in icosahedral Tb-Mg-Zn quasicrystals. Physical Review B, 2001, 64, .	1.1	21
154	Icosahedral quasicrystal $\text{Al}_71\text{Pd}_{21}\text{Mn}_{08}$ and its $\sqrt{3}/4$ approximant: ϵ , Linear expansivity, specific heat, magnetic susceptibility, electrical resistivity, and elastic constants. Physical Review B, 2002, 65, .	1.1	21
155	Cs AuTe_3 Te	1.1	21
156	Disorder-induced suppression of charge density wave order: STM study of Pd-intercalated ErTe_3 . Physical Review B, 2019, 100, .		
157	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.	1.1	20
158	Field-tuned superconductor-insulator transition in $\text{BaPb}_{1-x}\text{Bi}_x\text{O}_3$	1.1	20
159	Critical divergence of the symmetric χ'' of ErTe_3 . http://www.w3.org/1998/Math/MathML display="inline" ErTe_3	1.1	20
160	de Haas-van Alphen oscillations in the charge density wave compound lanthanum tritelluride LaTe_3	1.1	19
161	Coherent dynamics of the charge density wave gap in tritellurides. Faraday Discussions, 2014, 171, 299-310.	1.6	19
162	Nematic-driven anisotropic electronic properties of underdoped detwinned $\text{Ba}_{1-x}\text{Bi}_x\text{O}_3$		

#	ARTICLE	IF	CITATIONS
163	Classification of collective modes in a charge density wave by momentum-dependent modulation of the electronic band structure. <i>Physical Review B</i> , 2015, 91, .	1.1	19
164	Measurement of the B1g and B2g components of the elastoresistivity tensor for tetragonal materials via transverse resistivity configurations. <i>Review of Scientific Instruments</i> , 2016, 87, 063902.	0.6	19
165	Determination of the resistivity anisotropy of orthorhombic materials via transverse resistivity measurements. <i>Review of Scientific Instruments</i> , 2017, 88, 043901.	0.6	19
166	Disorder Driven Metal-Insulator Transition in BaPbO_3 . <i>Physical Review Letters</i> , 2014, 113, 177004.	2.9	16
167	AC elastocaloric effect as a probe for thermodynamic signatures of continuous phase transitions. <i>Review of Scientific Instruments</i> , 2019, 90, 083902.	0.6	18
168	Magnetic structure of GdCo_2Ge_2 . <i>Physical Review B</i> , 2005, 71, .	1.1	17
169	Optical properties of the Ce and La ditelluride charge density wave compounds. <i>Physical Review B</i> , 2007, 75, .	1.1	17
170	Anisotropic phase diagram of the frustrated spin dimer compound $\text{Ba}_3\text{Mn}_2\text{Sb}_7$. <i>Physical Review B</i> , 2010, 81, .	1.1	16
171	Giant atomic displacement at a magnetic phase transition in metastable Mn_3O_4 . <i>Physical Review B</i> , 2013, 87, .	1.1	16
172	Suppression of charge density wave order by disorder in Pd-intercalated ErTe_3 . <i>Physical Review B</i> , 2019, 99, .	1.1	16
173	Ultrafast formation of domain walls of a charge density wave in SmTe_3 . <i>Physical Review B</i> , 2021, 103, .	1.1	16
174	Role of Equilibrium Fluctuations in Light-Induced Order. <i>Physical Review Letters</i> , 2021, 127, 227401.	2.9	16
175	Design of a metallic Ising spin glass in the $\text{Y}_1\text{TbxNi}_2\text{Ge}_2$ system. <i>Physical Review B</i> , 2000, 62, 15056-15066.	1.1	15
176	High-pressure, transport, and thermodynamic properties of CeTe_3 . <i>Physical Review B</i> , 2009, 79, .	1.1	15
177	Pressure dependence of the BaFe_2As_2 Fermi surface within the spin density wave state. <i>Physical Review B</i> , 2012, 85, .	1.1	15
178	Pressure-induced symmetry breaking in tetragonal CsAu_3 . <i>Physical Review B</i> , 2013, 87, .	1.1	15
179	Spectrally resolved femtosecond reflectivity relaxation dynamics in undoped spin-density wave 122-structure iron-based pnictides. <i>Physical Review B</i> , 2014, 89, .	1.1	15
180	Interplay of lattice, electronic, and spin degrees of freedom in detwinned BaFe_2 . : A Raman scattering study. <i>Physical Review B</i> , 2018, 98, .	1.1	15

#	ARTICLE	IF	CITATIONS
181	Imaging anisotropic vortex dynamics in FeSe. Physical Review B, 2019, 100, .	1.1	15
182	High-field behavior of the spin gap compound Sr ₂ Cu(BO ₃) ₂ . Physical Review B, 2005, 71, .	1.1	14
183	Pressure dependence of the optical properties of the charge-density-wave compound La _x Te _{1-x} . Physical Review B, 2009, 79, .	1.1	14
184	Charge density wave formation in R ₂ Te ₅ . Physical Review B, 2014, 89, .	1.1	14
185	Bandgap closure and reopening in CsAu ₃ at high pressure. Physical Review B, 2014, 89, .	1.1	14
186	Fermi surface evolution of Na-doped PbTe studied through density functional theory calculations and Shubnikov-de Haas measurements. Physical Review B, 2016, 94, .	1.1	14
187	Anomalous relaxation kinetics and charge-density-wave correlations in underdoped BaPb _{1-x} Bi _x O ₃ . Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9020-9025.	3.3	14
188	Direct spectroscopic evidence for mixed-valence TI in the low carrier-density superconductor Pb _{1-x} Bi _x . Physical Review B, 2018, 98, .	1.1	14
189	Signatures of two-dimensional superconductivity emerging within a three-dimensional host superconductor. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2017810118.	3.3	14
190	Pressure dependence of the single particle excitation in the charge-density-wave compound CeTe. Physical Review B, 2009, 79, .	1.1	13
191	Calculations and lattice coupling in strongly driven 1dCs _x TbTe _{1-x} . Physical Review B, 2018, 98, .	1.1	13
192	Bulk electronic structure of Zn-Mg-Y and Zn-Mg-Dy icosahedral quasicrystals. Physical Review B, 2015, 91, .	1.1	13
193	The electrical conductivity of single-grain Al-Pd-Re quasicrystals. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 1089-1098.	0.6	12
194	Optical properties of the charge-density-wave polychalcogenide compounds R ₂ Te ₅ (R=Nd, Sm and Gd). European Physical Journal B, 2008, 63, 11-16.	0.6	12
195	Correlation of anomalous normal state properties with superconductivity in Pb _{1-x} Tl _x Te. Physical Review B, 2010, 81, .	1.1	12
196	Electrodynamical response in the electronic nematic phase of BaFe ₂ . Physical Review B, 2016, 93, .	1.1	12
197	Evidence of Incoherent Carriers Associated with Resonant Impurity Levels and Their Influence on Superconductivity in the Anomalous Superconductor Pb _{1-x} Bi _x . Physical Review Letters, 2018, 121, 207001.	2.9	12
198	Nematic transitions in iron pnictide superconductors imaged with a quantum gas. Nature Physics, 2020, 16, 514-519.	6.5	12

#	ARTICLE	IF	CITATIONS
199	Elastocaloric signature of nematic fluctuations. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e21105911118.	3.3	12
200	Resonant enhancement of charge density wave diffraction in the rare-earth tritellurides. Physical Review B, 2012, 85, .	1.1	11
201	Phase transition preceding magnetic long-range order in the double perovskite $\text{BaMn}_2\text{TeO}_{10}$. Physical Review B, 2019, 100, .		
202	Structure and Physical Properties of the New Pseudo-binary Intermetallic Compound $\text{Ti}_{11}(\text{Sb},\text{Sn})_8$. Journal of Solid State Chemistry, 2001, 157, 225-232.	1.4	10
203	Nonuniversal magnetization at the BEC critical field: Application to the spin dimer compound $\text{BaMn}_3\text{O}_{10}$. Physical Review B, 2019, 100, .	1.1	10
204	Inhomogeneous Superconductivity in $\text{BaPb}_{1-x}\text{Bi}_x\text{O}_3$. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2675-2678.	0.8	10
205	Observing electronic structures on <i>ex situ</i> grown topological insulator thin films. Physica Status Solidi - Rapid Research Letters, 2013, 7, 130-132.	1.2	10
206	Measurement of elastoresistivity at finite frequency by amplitude demodulation. Review of Scientific Instruments, 2018, 89, 103901.	0.6	10
207	Nature of lattice distortions in the cubic double perovskite $\text{BaMn}_2\text{TeO}_{10}$. Physical Review B, 2018, 97, .		
208	Robust superconductivity intertwined with charge density wave and disorder in Pd-intercalated ErTe_3 . Physical Review Research, 2020, 2, .	1.3	10
209	Evidence for charge Kondo effect in superconducting Tl-doped PbTe. , 2005, 5932, 327.		9
210	Heat capacity of the site-diluted spin dimer system $\text{Ba}_3(\text{Mn}_{1-x}\text{V}_x)_2\text{O}_8$. Physical Review B, 2011, 84, .	1.1	9
211	Low-energy quasiparticles probed by heat transport in the iron-based superconductor LaFePO . Physical Review B, 2012, 85, .	1.1	9
212	Superconductivity and fluctuations in $\text{BaP}_2\text{K}_2\text{Fe}_2\text{As}_2$ and $\text{Ba}(\text{Fe}_2\text{Co}_2\text{As}_2)$. Physica Status Solidi (B): Basic Research, 2017, 254, 1600308.	0.7	9
213	Anderson localization of electron states in a quasicrystal. Physical Review B, 2021, 103, .	1.1	9
214	Fine Structure in the Electronic Density of States near the Fermi Energy of Al-Ni-Co Decagonal Quasicrystal from Ultrafast Time-Resolved Optical Reflectivity. Physical Review Letters, 2009, 102, 086405.	2.9	8
215	Charge density wave modulation and gap measurements in CeTe_3 . Physical Review B, 2016, 94, .		
216	Possible scale invariant linear magnetoresistance in pyrochlore iridates $\text{Bi}_2\text{Ir}_2\text{O}_7$. New Journal of Physics, 2019, 21, 113041.	1.2	8

#	ARTICLE	IF	CITATIONS
217	Magnetic breakdown and charge density wave formation: A quantum oscillation study of the rare-earth tritellurides. <i>Physical Review B</i> , 2020, 102, .	1.1	8
218	Observation of a spin reorientation in TbCu ₂ Ge ₂ from resonant and nonresonant x-ray scattering. <i>Physical Review B</i> , 2001, 64, .	1.1	7
219	Polarized neutron diffraction study of the field-induced magnetization in the normal and superconducting states of Ba(Fe _{1-x} Cox) ₂ As ₂ (x=0.65). <i>Physical Review B</i> , 2011, 84, .	1.1	7
220	Multiple charge density wave states at the surface of $TbTb_3$. <i>Physical Review B</i> , 2016, 94, .	1.1	7
221	Anomalous ¹²⁵ Te Nuclear Spin Relaxation Coincident with Charge Kondo Behavior in Superconducting Pb _{1-x} TlxTe. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 023706.	0.7	7
222	Anisotropic nematic fluctuations above the ferroquadrupolar transition in TmVO ₄ . <i>Physical Review B</i> , 2021, 104, .	1.1	7
223	Second order Zeeman interaction and ferroquadrupolar order in TmVO ₄ . <i>Npj Quantum Materials</i> , 2022, 7, .	1.8	7
224	Field-tuned ferroquadrupolar quantum phase transition in the insulator TmVO ₄ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	7
225	Growth of nematic susceptibility in the field-induced normal state of an iron-based superconductor revealed by elastoresistivity measurements in a 65 Å pulsed magnet. <i>Physical Review B</i> , 2019, 100, .	1.1	6
226	Proposal for methods to measure the octupole susceptibility in certain cubic Pr compounds. <i>Physical Review B</i> , 2021, 103, .	1.1	6
227	Low work function in the 122-family of iron-based superconductors. <i>Physical Review Materials</i> , 2020, 4, .	0.9	6
228	Evidence for Realignment of the Charge Density Wave State in $ErTe_3$ and $TmTe_3$ under Uniaxial Stress via. <i>Physical Review X</i> , 2022, 12, .	2.8	6
229	The electrical conductivity of single-grain Al _{0.5} Pd _{0.5} 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
230	Microwave surface impedance measurements of TlxPb _{1-x} Te: A proposed negative-U-induced superconductor. <i>Physical Review B</i> , 2010, 81, .	1.1	5
231	Persistence of magnons in a site-diluted dimerized frustrated antiferromagnet. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 416003.	0.7	5
232	Incommensurate magnetic order in TbTe ₃ . <i>Journal of Physics Condensed Matter</i> , 2012, 24, 036001.	0.7	5
233	Lattice dynamics, crystal-field excitations, and quadrupolar fluctuations of $YbRu_2$. <i>Physical Review B</i> , 2019, 99, .	1.1	5
234	Elastoresistive and elastocaloric anomalies at magnetic and electronic-nematic critical points. <i>Physical Review B</i> , 2019, 99, .	1.1	5

#	ARTICLE	IF	CITATIONS
235	Interplay of charge density wave states and strain at the surface of CeTe . Physical Review B, 2020, 101, .		
236	Anisotropic quasiparticle coherence in nematic BaFe_2As_2 studied with strain-dependent ARPES. Physical Review B, 2021, 103, .		
237	Coherent Modulation of Quasiparticle Scattering Rates in a Photoexcited Charge-Density-Wave System. Physical Review Letters, 2022, 128, 026406.	2.9	5
238	Infrared and optical properties of pure and cobalt-doped $\text{LuNi}_2\text{B}_2\text{C}$. Physical Review B, 2002, 65, .	1.1	4
239	Reply to "Comment on "Extrinsic origin of the insulating behavior of polygrain icosahedral Al-Pd-Re quasicrystals". Physical Review B, 2007, 76, .	1.1	4
240	Elastoconductivity as a probe of broken mirror symmetries. Physical Review B, 2015, 92, .	1.1	4
241	Critical Doping in Overdoped High-Tc Superconductors: a Quantum Critical Point?. , 1999, 215, 531.		4
242	Expanding the momentum field of view in angle-resolved photoemission systems with hemispherical analyzers. Review of Scientific Instruments, 2021, 92, 123907.	0.6	4
243	Interwoven magnetic and flux line structures in single crystal $(\text{Tm},\text{Er})\text{Ni}_2\text{B}_2\text{C}$ (invited). Journal of Applied Physics, 2000, 87, 5544-5548.	1.1	3
244	Bose-Einstein condensation in $\text{BaCuSi}_2\text{O}_6$. Journal of Physics: Conference Series, 2006, 51, 9-14.	0.3	3
245	Femtosecond Coherent Non-equilibrium Electronic Ordering and Dynamics of Topological Defect in Charge Density Waves. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1191-1193.	0.8	3
246	Superconductivity, spin and charge order, and quantum criticality in correlated electron materials. EPJ Web of Conferences, 2012, 23, 00012.	0.1	3
247	Vortex structure in $\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$ single crystals. JETP Letters, 2013, 96, 655-658.	0.4	3
248	Electronic structure of the quadrupolar ordered heavy-fermion compound YbRu_2Ge_2 measured by angle-resolved photoemission. Physical Review B, 2019, 99, .	1.1	3
249	Frequency-dependent sensitivity of AC elastocaloric effect measurements explored through analytical and numerical models. Review of Scientific Instruments, 2020, 91, 083905.	0.6	3
250	Comparison of temperature and doping dependence of elastoresistivity near a putative nematic quantum critical point. Nature Communications, 2022, 13, 1011.	5.8	3
251	Atomically-thin HfSe_2 transistors with native metal oxides. , 2016, , .		2
252	^{125}Te -NMR Study in Novel Superconductor $\text{Pb}_{1-x}\text{Tl}_x\text{Te}$ with Valence Skipping Dopants. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1629-1632.	0.8	2

#	ARTICLE	IF	CITATIONS
253	Anisotropic Superconducting Gap in Optimally Doped Iron-Based Material. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2313-2318.	0.8	2
254	On the growth of icosahedral Al-Pd-Mn quasicrystals from the ternary melt. , 0, .		2
255	Anomalous thermal transport and strong violation of Wiedemann-Franz law in the critical regime of a charge density wave transition. Physical Review B, 2021, 104, .	1.1	2
256	Distribution of Optical Spectral Weight in Detwinned Ba(Fe $_{1-x}$ Co $_x$) $_2$ As $_2$. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2603-2606.	0.8	1
257	Field-induced spin density wave and spiral phases in a layered antiferromagnet. Physical Review B, 2015, 92, .	1.1	1
258	Monotonic Doping-Dependence in the Anisotropy of the Drude Weight and Scattering Rate of Detwinned Ba(Fe $_{1-x}$ Co $_x$) $_2$ As $_2$ Established from the Optical Conductivity. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1261-1266.	0.8	1
259	Scaling of the Stress and Temperature Dependence of the Optical Anisotropy in Ba(Fe $_{1-x}$ Co $_x$) $_2$ As $_2$. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3053-3057.	0.8	1
260	Dichroism in the Parent Ferropnictide BaFe $_2$ As $_2$ Across the Nematic Phase Transition. Journal of Superconductivity and Novel Magnetism, 2016, 29, 667-672.	0.8	1
261	Sharp increase in the density of states in PbTe upon approaching a saddle point in the band structure. Physical Review B, 2019, 99, .	1.1	1
262	Optical evidence of an enhanced electronic effective mass in the anomalous $\langle \text{math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle \text{mrow}> \langle \text{msub}> \langle \text{mi}> \text{Pb} \langle \text{mi}> \langle \text{mrow}> \langle \text{mn}> 1 \langle \text{mn}> / \text{mrow}> / \text{mrow}> / \text{math}>$ superconductor. Physical Review Materials, 2019, 3, .		
263	Observation of the non-linear Meissner effect. Nature Communications, 2022, 13, 1201.	5.8	1
264	Crystal-field excitations and quadrupolar fluctuations of 4f-electron systems studied by polarized light scattering. Journal of Physics: Conference Series, 2022, 2164, 012054.	0.3	1
265	Pressure Dependent Diffraction and Spectroscopy of a Dimerized Antiferromagnet. Journal of the Physical Society of Japan, 2011, 80, SB005.	0.7	0
266	Dynamics of Photoexcited Carriers in Ba(Fe $_{1-x}$ Co $_x$) $_2$ As $_2$ Single Crystals with Spin-Density-Wave Ordering. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2593-2596.	0.8	0
267	Combining time-resolved optical (TOS), electronic (trARPES) and structural (UED) probes on the class of rare earth tritellurides RTe $_3$. EPJ Web of Conferences, 2019, 205, 04009.	0.1	0
268	10.1063/1.5139556.1., 2020, , .		0
269	Charge Kondo Effect Induced by Valence Skipping Dopants in Pb $_{1-x}$ Tl $_x$ Te and Pb $_{1-x}$ Na $_x$ Te Probed by ^{125}Te -NMR. , 2020, , .		0