Rafael Fernandes

List of Publications by Year
in descending order

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162 papers	8,826 citations	41344 49 h-index	46799 89 g-index
164 all docs	164 docs citations	164 times ranked	5013 citing authors

#	Article	IF	Citations
1	What drives nematic order in iron-basedÂsuperconductors?. Nature Physics, 2014, 10, 97-104.	16.7	916
2	Anomalous Suppression of the Orthorhombic Lattice Distortion in Superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ba</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â’</mml:mo></mml:mrow></mml:msub><mml:m Physical Review Letters, 2010, 104, 057006.	7.8	382
3	Preemptive nematic order, pseudogap, and orbital order in the iron pnictides. Physical Review B, 2012, 85, .	3.2	330
4	Effects of Nematic Fluctuations on the Elastic Properties of Iron Arsenide Superconductors. Physical Review Letters, 2010, 105, 157003.	7.8	318
5	Effect of magnetic frustration on nematicity and superconductivity in iron chalcogenides. Nature Physics, 2015, 11, 953-958.	16.7	255
6	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
7	Nematicity and competing orders in superconducting magic-angle graphene. Science, 2021, 372, 264-271.	12.6	223
8	Competing order and nature of the pairing state in the iron pnictides. Physical Review B, 2010, 82, .	3.2	198
9	Unconventional pairing in the iron arsenide superconductors. Physical Review B, 2010, 81, .	3.2	191
10	Observation of Incipient Charge Nematicity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ba</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>Fe</mml:mi><mml:msub><mml:mrow) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 Td (<mml:m	7.8	166
11	Visualization of electron nematicity and unidirectional antiferroic fluctuations at high temperatures in NaFeAs. Nature Physics, 2014, 10, 225-232.	16.7	158
12	Manifestations of nematic degrees of freedom in the magnetic, elastic, and superconducting properties of the iron pnictides. Superconductor Science and Technology, 2012, 25, 084005.	3.5	146
13	Visualizing the charge density wave transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>2</mml:mn><mml:mi>H</mml:mi></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>NbSe</mml:mtext><mml:mn>2</mml:mn></mml:msu Character of the structural and magnetic phase transitions in the parent and electron-doped real space. Physical Review B, 2012, 85,	3.2	136
14	BaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mro	3.2	132
15	Correlations and electronic order in a two-orbital honeycomb lattice model for twisted bilayer graphene. Physical Review B, 2018, 98, .	3.2	132
16	Intertwined Vestigial Order in Quantum Materials: Nematicity and Beyond. Annual Review of Condensed Matter Physics, 2019, 10, 133-154.	14.5	126
17	Anisotropic In-Plane Resistivity in the Nematic Phase of the Iron Pnictides. Physical Review Letters, 2011, 107, 217002.	7.8	119
18	Importance of the Fermi-surface topology to the superconducting state of the electron-doped pnictide Ba(Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 77 Td (display="i xmlns:mml="http://www.w3.org/1998/Math	3.2	115

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19	Low-energy microscopic models for iron-based superconductors: a review. Reports on Progress in Physics, 2017, 80, 014503.	20.1	114
20	Magnetism, Superconductivity, and Spontaneous Orbital Order in Iron-Based Superconductors: Which Comes First and Why?. Physical Review X, 2016, 6, .	8.9	113
21	Nematicity as a Probe of Superconducting Pairing in Iron-Based Superconductors. Physical Review Letters, 2013, 111, 127001.	7.8	108
22	Origin of nematic order in FeSe. Physical Review B, 2015, 91, .	3.2	106
23	Double-Q spin-density wave in iron arsenideÂsuperconductors. Nature Physics, 2016, 12, 493-498.	16.7	101
24	Sign-reversal of the in-plane resistivity anisotropy in hole-doped iron pnictides. Nature Communications, 2013, 4, 1914.	12.8	100
25	Iron pnictides and chalcogenides: a newÂparadigm for superconductivity. Nature, 2022, 601, 35-44.	27.8	98
26	Origin of the Resistivity Anisotropy in the Nematic Phase of FeSe. Physical Review Letters, 2016, 117, 127001.	7.8	93
27	Superconductivity in dilute SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1211" altimg="si13.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>: A review. Annals of Physics, 2020, 417, 168107.	2.8	89
28	Theory of the charge density wave in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Sb</mml:mi><mml:mn>5</mml:mn></</mml:mrow> kagome metals. Physical Review B, 2021, 104, .	3.2	86
29	Hedgehog spin-vortex crystal stabilized in a hole-doped iron-based superconductor. Npj Quantum Materials, 2018, 3, .	5.2	85
30	Paramagnetic spin correlations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CaFe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:m crystals. Physical Review B, 2010, 81, .	3.2	84
31	Doping evolution of the absolute value of the London penetration depth and superfluid density in single crystals of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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37	Nematicity with a twist: Rotational symmetry breaking in a moirÃ© superlattice. Science Advances, 2020, 6, eaba8834.	10.3	65
38	Two-fold symmetric superconductivity in few-layer NbSe2. Nature Physics, 2021, 17, 949-954.	16.7	65
39	Ultrafast observation of critical nematic fluctuations and giant magnetoelastic coupling in iron pnictides. Nature Communications, 2014, 5, 3229.	12.8	64
40	Correlation-Induced Insulating Topological Phases at Charge Neutrality in Twisted Bilayer Graphene. Physical Review X, 2021, 11, .	8.9	64
41	Orbital coupling and superconductivity in the iron pnictides. Physical Review B, 2009, 79, .	3.2	63
42	What Controls the Phase Diagram and Superconductivity in Ru-SubstitutedBaFe2As2?. Physical Review Letters, 2011, 107, 267002.	7.8	62
43	Two-band superconductivity in doped SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>films and interfaces. Physical Review B, 2013, 87, .	3.2	55
44	Distinguishing spin-orbit coupling and nematic order in the electronic spectrum of iron-based superconductors. Physical Review B, 2014, 90, .	3.2	55
45	Anisotropic and quasipropagating spin excitations in superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow Physical Review B, 2010, 82, .	3.2	54
46	Superconductivity in FeSe Thin Films Driven by the Interplay between Nematic Fluctuations and Spin-Orbit Coupling. Physical Review Letters, 2016, 117, 217003.	7.8	54
47	Suppression of Superconductivity by NÃ©el-Type Magnetic Fluctuations in the Iron Pnictides. Physical Review Letters, 2013, 110, 117004.	7.8	52
48	Effect of tensile stress on the in-plane resistivity anisotropy in BaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 85, .	3.2	51
49	Revealing the competition between charge density wave and superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:msub><mml:mi>CsV</mml:mi><mml:mn>3</mml:mn> through uniaxial strain. Physical Review B, 2021, 104, .	3.2	51
50	MoirÃ© nematic phase in twisted double bilayer graphene. Nature Physics, 2022, 18, 196-202.	16.7	51
51	Spin reorientation driven by the interplay between spin-orbit coupling and Hund's rule coupling in iron pnictides. Physical Review B, 2015, 92, .	3.2	49
52	Vestigial chiral and charge orders from bidirectional spin-density waves: Application to the iron-based superconductors. Physical Review B, 2016, 93, .	3.2	49
53	Three-state nematicity in the triangular lattice antiferromagnet Fe1/3NbS2. Nature Materials, 2020, 19, 1062-1067.	27.5	47
54	Sixfold enhancement of superconductivity in a tunable electronic nematic system. Nature Physics, 2020, 16, 346-350.	16.7	45

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55	Superconductivity in FeSe: The Role of Nematic Order. Physical Review Letters, 2018, 120, 267001.	7.8	43
56	Uniaxial strain control of spin-polarization in multicomponent nematic order of BaFe2As2. Nature Communications, 2018, 9, 1058.	12.8	41
57	Enhanced superconductivity and ferroelectric quantum criticality in plastically deformed strontium titanate. Nature Materials, 2022, 21, 54-61.	27.5	41
58	Universality of Liquid-Gas Mott Transitions at Finite Temperatures. Physical Review Letters, 2008, 100, 026408.	7.8	40
59	Phonon dynamics in the Kitaev spin liquid. Physical Review Research, 2020, 2, .	3.6	39
60	Transfer of optical spectral weight in magnetically ordered superconductors. Physical Review B, 2010, 82, .	3.2	38
61	Unconventional Multiband Superconductivity in Bulk <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>SrTiO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>LaAlO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:mrow></mml:math>. Physical Review Letters, 2018, 121, 127002.	7.8	38
62	Gap nodes induced by coexistence with antiferromagnetism in iron-based superconductors. Physical Review B, 2012, 85, .	3.2	37
63	How Many Quantum Phase Transitions Exist Inside the Superconducting Dome of the Iron Pnictides?. Physical Review Letters, 2013, 111, 057001.	7.8	37
64	Interplay between tetragonal magnetic order, stripe magnetism, and superconductivity in iron-based materials. Physical Review B, 2015, 91, .	3.2	36
65	Magnetic order without tetragonal-symmetry-breaking in iron arsenides: Microscopic mechanism and spin-wave spectrum. Physical Review B, 2015, 91, .	3.2	36
66	Direct evidence for a pressure-induced nodal superconducting gap in the Ba0.65Rb0.35Fe2As2 superconductor. Nature Communications, 2015, 6, 8863.	12.8	36
67	Inhomogeneous time-reversal symmetry breaking in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 104, .	3.2	36
68	Superconductivity mediated by quantum critical antiferromagnetic fluctuations: The rise and fall of hot spots. Physical Review B, 2017, 95, .	3.2	35
69	Crystalline nodal topological superconductivity and Bogolyubov Fermi surfaces in monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NbSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2020, 101, .	3.2	35
70	Voltage-induced ferromagnetism in a diamagnet. Science Advances, 2020, 6, eabb7721.	10.3	34
71	Topological and nematic superconductivity mediated by ferro-SU(4) fluctuations in twisted bilayer graphene. Physical Review B, 2021, 103, .	3.2	34
72	Disorder-promoted <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>C</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math> magnetic order in iron-based superconductors. Physical Review B, 2016, 93, .	3.2	33

#	Article	IF	Citations
73	NMR Evidence for Inhomogeneous Nematic Fluctuations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>BaFe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn>		

#	ARTICLE	IF	CITATIONS
91	Electric-field-tunable electronic nematic order in twisted double-bilayer graphene. 2D Materials, 2021, 8, 034005.	4.4	23
92	Giant electrostatic modification of magnetism via electrolyte-gate-induced cluster percolation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></r mathvariant="normal">S</mml:mi><mml:msub><mml:mi [illegible]mml:mi></mml:msub><mml:mi>Co</mml:mi><mml:msub><mml:mi	2.4	23
93	Effect of interlayer coupling on the coexistence of antiferromagnetism and superconductivity in Fe pnictide superconductors: A study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">Ca</mml:mi></mml:mrow><mml:mrow><mml:mn>0.74</mml:mn><mml:mo>(</mml:mo><mml:mn>1</mml:		

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109	Scaling of nascent nodes in extended-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi></mml:math>-wave superconductors. Physical Review B, 2011, 84, .	3.2	14
110	Possible unconventional superconductivity in substituted BaFe2As2 revealed by magnetic pair-breaking studies. Scientific Reports, 2014, 4, 6252.	3.3	14
111	NMR study of nematic spin fluctuations in a detwinned single crystal of underdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ba</mml:mi><mml:msub><mml:mrow> Physical Review B, 2016, 94, .	3.2	14
112	Competing magnetic orders in the superconducting state of heavy-fermion CeRhIn ₅. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5384-5388.	7.1	14
113	Orbital transmutation and the electronic spectrum of FeSe in the nematic phase. Physical Review Research, 2020, 2, .	3.6	14
114	Local nematic susceptibility in stressed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn> from NMR electric field gradient measurements. Physical Review B, 2017, 96, .	3.2	13
115	Induced spin-triplet pairing in the coexistence state of antiferromagnetism and singlet superconductivity: Collective modes and microscopic properties. Physical Review B, 2017, 96, .	3.2	13
116	Magnetic phase diagram of the iron pnictides in the presence of spin-orbit coupling: Frustration between <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>C</mml:mi><mml:mn>2</mml:mn></mml:msub> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>C</mml:mi><mml:mn>4</mml:mn></mml:msub> magnetic phases. Physical Review B, 2018, 98, .	3.2	13
117	Magnetic tricritical point and nematicity in FeSe under pressure. Physical Review B, 2018, 97, .	3.2	13
118	Intertwined spin-orbital coupled orders in the iron-based superconductors. Physical Review B, 2019, 100, .	3.2	13
119	Enhanced nematic fluctuations near an antiferromagnetic Mott insulator and possible application to high-Tc cuprates. Npj Quantum Materials, 2019, 4, .	5.2	13
120	Nature of protected zero-energy states in Penrose quasicrystals. Physical Review B, 2020, 102, .	3.2	13
121	Quantum phase transition inside the superconducting dome of Ba(Fe_{1â^'x}Co_x)₂As₂ from diamond-based optical magnetometry. New Journal of Physics, 2020, 22, 053037.	2.9	13
122	Origin of DC and AC conductivity anisotropy in iron-based superconductors: Scattering rate versus spectral weight effects. Physical Review B, 2016, 94, .	3.2	12
123	Controlling competing orders via nonequilibrium acoustic phonons: Emergence of anisotropic effective electronic temperature. Physical Review B, 2018, 97, .	3.2	12
124	Soft phonons reveal the nematic correlation length in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ba</mml:mi><mml:msub><mml:mrow> Physical Review B, 2018, 98, .	3.2	12
125	Nematicity and superconductivity: Competition versus cooperation. Physical Review B, 2020, 102, .	3.2	12
126	Antiferromagnetism in Iron-Based Superconductors: Selection of Magnetic Order and Quasiparticle Interference. Journal of the Physical Society of Japan, 2014, 83, 061015.	1.6	11

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127	Impact of damping on the superconducting gap dynamics induced by intense terahertz pulses. Physical Review B, 2019, 100, .	3.2	11
128	Thermodynamic signatures of an antiferromagnetic quantum critical point inside a superconducting dome. Physical Review B, 2020, 102, .	3.2	11
129	Nematic Correlation Length in Iron-Based Superconductors Probed by Inelastic X-Ray Scattering. Physical Review Letters, 2020, 124, 157001.	7.8	11
130	Antagonistic In-Plane Resistivity Anisotropies from Competing Fluctuations in Underdoped Cuprates. Physical Review Letters, 2015, 115, 027005.	7.8	10
131	Impact of disorder on the superconducting transition temperature near a Lifshitz transition. Physical Review B, 2018, 98, .	3.2	10
132	Complex Critical Exponents for Percolation Transitions in Josephson-Junction Arrays, Antiferromagnets, and Interacting Bosons. Physical Review Letters, 2011, 106, 067004.	7.8	9
133	Fracton-elasticity duality in twisted moirÃ© superlattices. Physical Review B, 2021, 104, .	3.2	9
134	Robustness of quantum critical pairing against disorder. Physical Review B, 2016, 93, .	3.2	8
135	Disentangling superconducting and magnetic orders in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaFe</mml:mi><mml:mrow><mml:mn>1</mml:mn> using muon spin rotation. Physical Review B, 2018, 97, .	3.2	8
136	Scanning tunnelling spectroscopy as a probe of multi-Q magnetic states of itinerant magnets. Nature Communications, 2017, 8, 14317.	12.8	7
137	Orbital loop currents in iron-based superconductors. Physical Review B, 2018, 97, .	3.2	7
138	Modeling Unconventional Superconductivity at the Crossover between Strong and Weak Electronic Interactions. Physical Review Letters, 2020, 125, 247001.	7.8	7
139	Contrasting ferromagnetism in pyrite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>FeS</mml:mi><mml:mn>2</mml:mn></mml:msub></m induced by chemical doping versus electrostatic gating. Physical Review Materials, 2020, 4, .	2.4	7
140	Field-tuned ferroquadrupolar quantum phase transition in the insulator TmVO ₄. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	7
141	Conductivity of electronic liquid-crystalline mesophases. Physical Review B, 2008, 78, .	3.2	6
142	Smeared nematic quantum phase transitions due to rare-region effects in inhomogeneous systems. Physical Review B, 2018, 98, .	3.2	6
143	Strain-tunable metamagnetic critical endpoint in Mott insulating rare-earth titanates. Physical Review B, 2022, 105, .	3.2	6
144	Raman Scattering as a Probe of Charge Nematic Fluctuations in Iron Based Superconductors. , 2014, , .		5

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145	Robust gapless superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>H</mml:mi><mml:mi>b</mml:mi> Physical Review B, 2021, 103, .	3.2	5
146	Prediction of double-Weyl points in the iron-based superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ca</mml:mi><mml:mi mathvariant="normal">K</mml:mi><mml:msub><mml:mi>Fe</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi>As< Physical Review B, 2021, 104, .	3.2	5
147	Laser-induced control of an electronic nematic quantum phase transition. Physical Review Research, 2020, 2, .	3.6	5
148	Uniaxial Strain Control of Bulk Ferromagnetism in Rare-Earth Titanates. Physical Review Letters, 2022, 128, 167201.	7.8	5
149	Phonon-induced rotation of the electronic nematic director in superconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn> Physical Review B, 2022, 105, .	3.2	5
150	Anomalous transport in high-mobility superconducting SrTiO ₃ thin films. Science Advances, 2022, 8, .	10.3	5
151	Multiple magnetic orders in LaFeAs1-xPxO uncover universality of iron-pnictide superconductors. Communications Physics, 2022, 5, .	5.3	5
152	Pressure effects on magnetic pair-breaking in Mn- and Eu-substituted BaFe2As2. Journal of Applied Physics, 2014, 115, 17D702.	2.5	4
153	Superconductivity at an antiferromagnetic quantum critical point: Role of energy fluctuations. Physical Review B, 2018, 98, .	3.2	4
154	Nonlinear uniaxial pressure dependence of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub> in iron-based superconductors. Physical Review Research, 2019, 1, .	3.6	4
155	Fluctuation induced first-order phase transitions in a dipolar Ising ferromagnetic slab. Physical Review B, 2006, 74, .	3.2	3
156	Phenomenological theory of the superconducting state inside the hidden-order phase of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>URu</mml:mi><mml:mn>2</mml:mn> Physical Review B, 2015, 92, .	3.2	3
157	Percolation via Combined Electrostatic and Chemical Doping in Complex Oxide Films. Physical Review Letters, 2017, 118, 106801.	7.8	3
158	Understanding magnetic phase coexistence in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ru</mml:mi><mml:mn>2</mml:mn> Heusler alloys: A neutron scattering, thermodynamic, and phenomenological analysis. Physical Review Materials, 2021, 5, .	2.4	3
159	Expansion of multi-band interacting models: Mapping onto the transverse-field <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e730" altimg="si181.svg"><mml:msub><mml:mrow><mml:mi>J</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e740" altimg="si182.svg"><mml:msub><mml:mrow><mml:mi>J</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Annals of Physics, 2021, 435, 168522.	2.8	2
160	Phenomenological model of the third-harmonic magnetic response due to superconducting fluctuations: Application to Sr2RuO4. Physical Review B, 2021, 104, .	3.2	1
161	Motion of a particle with isospin in the presence of a monopole. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 341, 22-32.	2.1	0
162	Nematic Order and Fluctuations in Iron-Based Superconductors. Springer Series in Solid-state Sciences, 2017, , 53-114.	0.3	0