

Genda Gu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Terahertz phase slips in striped $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$. Physical Review B, 2022, 105, .	1.1	4
2	Correlation-driven electronic reconstruction in $\text{FeTe}_{1-x}\text{Se}_x$. Communications Physics, 2022, 5, .	2.0	17
3	Quantum phase transition from superconducting to insulating-like state in a pressurized cuprate superconductor. Nature Physics, 2022, 18, 406-410.	6.5	18
4	Coupled electronic and magnetic excitations in the cuprates and their role in the superconducting transition. Communications Physics, 2022, 5, .	2.0	3
5	Thermal transport properties and some hydrodynamic-like behavior in three-dimensional topological semimetal ZrTe_5 . Physical Review B, 2022, 105, .	1.1	0
6	Little-Parks like oscillations in lightly doped cuprate superconductors. Nature Communications, 2022, 13, 1316.	5.8	4
7	Doping dependence of the electron-phonon coupling in two families of bilayer superconducting cuprates. Physical Review B, 2022, 105, .	1.1	7
8	Manipulating high-temperature superconductivity by oxygen doping in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ thin flakes. National Science Review, 2022, 9, .	4.6	4
9	Hyperbolic Cooper-Pair Polaritons in Planar Graphene/Cuprate Plasmonic Cavities. Nano Letters, 2021, 21, 308-316.	4.5	13
10	Experimental evidence that zinc impurities pin pair-density-wave order in $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$. Physical Review B, 2021, 103, .	1.1	0
11	Spatially dispersing Yu-Shiba-Rusinov states in the unconventional superconductor $\text{FeTe}_{0.55}\text{Se}_{0.45}$. Nature Communications, 2021, 12, 298.	5.8	16
12	Observation and control of the weak topological insulator state in ZrTe_5 . Nature Communications, 2021, 12, 406.	5.8	43
13	Giant Nernst effect and field-enhanced transversal ZrTe_5 . Physical Review B, 2021, 103, .	1.1	16
14	Time-reversal symmetry breaking in the Fe-chalcogenide superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
15	Dynamic electron correlations with charge order wavelength along all directions in the copper oxide plane. Nature Communications, 2021, 12, 597.	5.8	21
16	Spin-Polarized Yu-Shiba-Rusinov States in an Iron-Based Superconductor. Physical Review Letters, 2021, 126, 076802.	2.9	43
17	Observation of magnetic adatom-induced Majorana vortex and its hybridization with field-induced Majorana vortex in an iron-based superconductor. Nature Communications, 2021, 12, 1348.	5.8	33
18	Charge density waves in cuprate superconductors beyond the critical doping. Npj Quantum Materials, 2021, 6, .	1.8	55

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19	Electronic properties of the bulk and surface states of Fe _{1+y} Te _{1-x} Se _x . Nature Materials, 2021, 20, 1221-1227.	13.3	34
20	Hole-like Fermi surface in the overdoped non-superconducting Bi _{1.8} Pb _{0.4} Sr ₂ CuO _{6+δ} . Europhysics Letters, 2021, 134, 17002.	0.7	3
21	Ubiquitous suppression of the nodal coherent spectral weight in Bi-based cuprates. Physical Review B, 2021, 103, .	1.1	3
22	Electron-electron interactions and weak antilocalization in few-layer $ZrTe_5$ devices. Physical Review B, 2021, 103, .		
23	Terahertz Nano-Imaging of Electronic Strip Heterogeneity in a Dirac Semimetal. ACS Photonics, 2021, 8, 1873-1880.	3.2	16
24	Nematic transition and nanoscale suppression of superconductivity in Fe(Te,Se). Nature Physics, 2021, 17, 903-908.	6.5	14
25	Presence of s -Wave Pairing in Josephson Junctions Made of Twisted Ultrathin Bi_2Te_3 Physical Review X, 2021, 11, .	2.8	34
26	Quantum Size Effects, Multiple Dirac Cones, and Edge States in Ultrathin Bi(110) Films. ACS Applied Materials & Interfaces, 2021, 13, 33627-33634.	4.0	11
27	Two-Dimensional Quantum Hall Effect and Zero Energy State in Few-Layer ZrTe ₅ . Nano Letters, 2021, 21, 5998-6004.	4.5	4
28	Reinvestigation of crystal symmetry and fluctuations in La_2CuO_4 Physical Review B, 2021, 104, .		
29	Strong Correlation Between Superconductivity and Ferromagnetism in an Fe-Chalcogenide Superconductor. Nano Letters, 2021, 21, 7277-7283.	4.5	27
30	Surface orbital order and chemical potential inhomogeneity of the iron-based superconductor FeTe _{0.55} Se _{0.45} investigated with special STM tips. Physical Review Research, 2021, 3, .	1.3	3
31	Wang-MacDonald d -Wave Vortex Cores Observed in Heavily Overdoped Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . Physical Review X, 2021, 11, .	2.8	3
32	Crossover behavior in the magnetoresistance of thin flakes of the topological material $ZrTe_5$ Physical Review B, 2021, 104, .		
33	Direct visualization of a static incommensurate antiferromagnetic order in Fe-doped Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	6
34	Twisted van der Waals Josephson Junction Based on a High- T_c Superconductor. Nano Letters, 2021, 21, 10469-10477.	4.5	22
35	Angle-Resolved Transport Measurements Reveal Electronic Nematicity in Cuprate Superconductors. Journal of Superconductivity and Novel Magnetism, 2020, 33, 87-92.	0.8	2
36	Evidence for dispersing 1D Majorana channels in an iron-based superconductor. Science, 2020, 367, 104-108.	6.0	116

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37	Crossover from two-dimensional to three-dimensional superconducting states in bismuth-based cuprate superconductor. <i>Nature Physics</i> , 2020, 16, 295-300.	6.5	22
38	Nearly quantized conductance plateau of vortex zero mode in an iron-based superconductor. <i>Science</i> , 2020, 367, 189-192.	6.0	172
39	Negative longitudinal magnetothermopower in the topological semimetal ZrTe_5 . <i>Physical Review B</i> , 2020, 102, .		
40	Spontaneous Nernst effect in the iron-based superconductor $\text{FeAs}_{1-x}\text{P}_x$. <i>Physical Review B</i> , 2020, 102, .		
41	A cleanroom in a glovebox. <i>Review of Scientific Instruments</i> , 2020, 91, 073909.	0.6	13
42	Giant electron-phonon coupling of the breathing plane oxygen phonons in the dynamic stripe phase of $\text{La}_{1.67}\text{Sr}_{0.33}\text{NiO}_4$. <i>Scientific Reports</i> , 2020, 10, 11426.	1.6	5
43	Origin of the isostructural electronic states of the topological insulator Bi_2Te_3 . <i>Physical Review B</i> , 2020, 102, .		
44	Coulomb blockade effects in a topological insulator grown on a high-Tc cuprate superconductor. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	3
45	Origin of Suppression of Proximity-Induced Superconductivity in $\text{Bi}_2\text{Te}_3/\text{Sr}_2\text{CaCu}_2\text{O}_8+\delta$ Heterostructures. <i>Advanced Quantum Technologies</i> , 2020, 3, 2000038.	1.8	5
46	Electron-phonon coupling and superconductivity in the doped topological crystalline insulator $(\text{Pb}_{0.5}\text{Sn}_{0.5})_{1-x}\text{In}_x\text{Te}$. <i>Physical Review B</i> , 2020, 102, .	1.1	5
47	Origin of the intermediate state in the $\text{Bi}_2\text{Te}_3/\text{Sr}_2\text{CaCu}_2\text{O}_8+\delta$ phase of the topological insulator $\text{Bi}_2\text{Te}_3/\text{Sr}_2\text{CaCu}_2\text{O}_8+\delta$. <i>Physical Review B</i> , 2020, 102, .	1.1	8
48	Zhao et al. Reply. <i>Physical Review Letters</i> , 2020, 124, 249702.	2.9	4
49	Twofold symmetry of proximity-induced superconductivity in $\text{Bi}_2\text{Te}_3/\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8+\delta$ heterostructures revealed by scanning tunneling microscopy. <i>Physical Review B</i> , 2020, 101, .	1.1	11
50	Scaling behavior of low-temperature orthorhombic domains in the prototypical high-temperature superconductor $\text{La}_{1.875}\text{Ba}_{0.125}\text{CuO}_4$. <i>Physical Review B</i> , 2020, 101, .		
51	Probing intraband excitations in ZrTe_5 : A high-pressure infrared and transport study. <i>Physical Review B</i> , 2020, 101, .		
52	Imaging the energy gap modulations of the cuprate pair-density-wave state. <i>Nature</i> , 2020, 580, 65-70.	13.7	51
53	Universal relationship between the energy scales of the pseudogap phase, the superconducting state, and the charge-density-wave order in copper oxide superconductors. <i>Physical Review B</i> , 2020, 101, .	1.1	12
54	Observation of a thermoelectric Hall plateau in the extreme quantum limit. <i>Nature Communications</i> , 2020, 11, 1046.	5.8	35

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55	Selective hybridization between the main band and the superstructure band in the $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ superconductor. <i>Physical Review B</i> , 2020, 101, .	1.1	5
56	Disappearance of superconductivity due to vanishing coupling in the overdoped $\text{Bi}_{1-x}\text{Sr}_x\text{CaCu}_2\text{O}_{8+\delta}$. <i>Nature Communications</i> , 2020, 11, 569.	5.8	15
57	Artificially engineered nanostrain in $\text{FeSe}_{1-x}\text{Te}_x$ superconductor thin films for supercurrent enhancement. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	15
58	Ion irradiation of iron chalcogenide superconducting films. <i>Superconductor Science and Technology</i> , 2020, 33, 094008.	1.8	3
59	Strongly Correlated Charge Density Wave in $\text{La}_{1-x}\text{Bi}_x\text{Cu}_2\text{O}_{7.5}$. <i>Physical Review Letters</i> , 2020, 124, 207005.	2.9	33
60	Photon energy and polarization-dependent electronic structure of Cr-doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. <i>Physical Review Materials</i> , 2020, 4, .	0.9	5
61	Spin-Related Incommensurate Lattice Modulations in an Atomically Thin High-Temperature Superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. <i>Physical Review Materials</i> , 2020, 4, .	0.9	5
62	Half-integer level shift of vortex bound states in an iron-based superconductor. <i>Nature Physics</i> , 2019, 15, 1181-1187.	6.5	144
63	Ultrafast time-resolved x-ray scattering reveals diffusive charge order dynamics in $\text{La}_{2-x}\text{Ba}_x\text{CuO}_4$. <i>Science Advances</i> , 2019, 5, eaax3346.	4.7	51
64	A strongly inhomogeneous superfluid in an iron-based superconductor. <i>Nature</i> , 2019, 571, 541-545.	13.7	39
65	Evidence for Helical Hinge Zero Modes in an Fe-Based Superconductor. <i>Nano Letters</i> , 2019, 19, 4890-4896.	4.5	51
66	Anomalous doping evolution of nodal dispersion revealed by <i>in situ</i> ARPES on continuously doped cuprates. <i>Physical Review B</i> , 2019, 100, .	1.1	7
67	High-temperature superconductivity in monolayer $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. <i>Nature</i> , 2019, 575, 156-163.	13.7	218
68	Nematic fluctuations in the cuprate superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. <i>Nature Communications</i> , 2019, 10, 5209.	5.8	42
69	Low-energy phonons in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ and their possible interaction with electrons. <i>Physical Review B</i> , 2019, 100, .	1.1	6
70	Gapless spin excitations in superconducting $\text{La}_{2-x}\text{Ca}_x\text{Cu}_2\text{O}_6$ with T_c up to 55 K. <i>Physical Review B</i> , 2019, 99, .	1.1	2
71	Sign-Reversing Hall Effect in Atomically Thin High-Temperature Superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. <i>Physical Review Letters</i> , 2019, 122, 247001.	2.9	57
72	Two-Dimensional Conical Dispersion in ZrTe_5 Evidenced by Optical Spectroscopy. <i>Physical Review Letters</i> , 2019, 122, 217402.	2.9	50

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73	Tuning from failed superconductor to failed insulator with magnetic field. <i>Science Advances</i> , 2019, 5, eaav7686.	4.7	21
74	Three-dimensional quantum Hall effect and metal-insulator transition in ZrTe ₅ . <i>Nature</i> , 2019, 569, 537-541.	13.7	205
75	Disorder raises the critical temperature of a cuprate superconductor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10691-10697.	3.3	34
76	Directly visualizing the sign change of d-wave superconducting gap in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ by phase-referenced quasiparticle interference. <i>Nature Communications</i> , 2019, 10, 1603.	5.8	20
77	Low-Temperature Charging Dynamics of the Ionic Liquid and Its Gating Effect on FeSe _{0.5} Te _{0.5} Superconducting Films. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17979-17986.	4.0	10
78	Optical perturbation of the hole pockets in the underdoped high- T_c superconducting cuprates. <i>Physical Review B</i> , 2019, 99, .		
79	Charge density wave memory in a cuprate superconductor. <i>Nature Communications</i> , 2019, 10, 1435.	5.8	30
80	Quasi-2D superconductivity in FeTe _{0.55} Se _{0.45} ultrathin film. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 265702.	0.7	6
81	Photoenhanced metastable c-axis electrostatics in stripe-ordered cuprate La _{1.885} Ba _{0.115} CuO ₄ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19875-19879.	3.3	51
82	Nature and impact of stripe freezing in La _{1.67} Sr _{0.33} NiO ₄ . <i>Physical Review B</i> , 2019, 100, .	1.1	9
83	Large surface conductance and superconductivity in topological insulator microstructures. <i>Applied Physics Letters</i> , 2019, 115, 173507.	1.5	1
84	Reconstruction of the Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ Fermi surface. <i>Physical Review B</i> , 2019, 100, .	1.1	3
85	Evidence for photoinduced sliding of the charge-order condensate in La _{1.875} Ba _{0.125} CuO ₄ . <i>Physical Review B</i> , 2019, 100, .		
86	Charge-stripe crystal phase in an insulating cuprate. <i>Nature Materials</i> , 2019, 18, 103-107.	13.3	30
87	Multiple topological states in iron-based superconductors. <i>Nature Physics</i> , 2019, 15, 41-47.	6.5	170
88	Observation of topological superconductivity on the surface of an iron-based superconductor. <i>Science</i> , 2018, 360, 182-186.	6.0	500
89	Evidence for magnetic-field-induced decoupling of superconducting bilayers in La _{2-x} Ca _{1+x} Cu ₂ O ₆ . <i>Physical Review B</i> , 2018, 97, .	1.1	10
90	Probing optically silent superfluid stripes in cuprates. <i>Science</i> , 2018, 359, 575-579.	6.0	65

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91	Superconductivity, pairing symmetry, and disorder in the doped topological insulator Bi_2Se_3 for Bi_2Se_3 . <i>Physical Review B</i> , 2018, 97, .	1.1	14
92	Nonequilibrium electron and lattice dynamics of strongly correlated $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ single crystals. <i>Science Advances</i> , 2018, 4, eaap7427.	4.7	58
93	Collapse of superconductivity in cuprates via ultrafast quenching of phase coherence. <i>Nature Materials</i> , 2018, 17, 416-420.	13.3	46
94	Nanocalorimetric evidence for nematic superconductivity in the doped topological insulator Bi_2Se_3 . <i>Physical Review B</i> , 2018, 98, .	1.1	32
95	Magnetic-Field Tuning of Light-Induced Superconductivity in Striped La_2CuO_4 . <i>Physical Review Letters</i> , 2018, 121, 267003.	2.9	21
96	Phase diagram of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ revisited. <i>Nature Communications</i> , 2018, 9, 5210.	5.8	43
97	Low-energy antiferromagnetic spin fluctuations limit the coherent superconducting gap in cuprates. <i>Physical Review B</i> , 2018, 98, .	1.1	21
98	Continuous doping of a cuprate surface: Insights from in situ angle-resolved photoemission. <i>Physical Review B</i> , 2018, 98, .	1.1	17
99	Superconducting and normal-state anisotropy of the doped topological insulator $\text{Sr}_0.1\text{Bi}_2\text{Se}_3$. <i>Scientific Reports</i> , 2018, 8, 7666.	1.6	39
100	Raman and ARPES combined study on the connection between the existence of the pseudogap and the topology of the Fermi surface in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. <i>Physical Review B</i> , 2018, 97, .	1.1	12
101	Light-induced new collective modes in the superconductor La_2CuO_4 . <i>Physical Review B</i> , 2018, 98, .	1.1	20
102	Evolution of a Novel Ribbon Phase in Optimally Doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ at High Pressure and Its Implication to High- T_c Superconductivity. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4182-4188.	2.1	4
103	Scaling decoupled from the electronic coherence in iron-based superconductors. <i>Physical Review B</i> , 2018, 98, .	1.1	16
104	Anomalous density fluctuations in a strange metal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5392-5396.	3.3	79
105	Superconductor-Insulator Transitions in Exfoliated $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ Flakes. <i>Nano Letters</i> , 2018, 18, 5660-5665.	4.5	50
106	Evidence for Majorana bound states in an iron-based superconductor. <i>Science</i> , 2018, 362, 333-335.	6.0	523
107	Electron and hole contributions to normal-state transport in the superconducting system Bi_2Se_3 . <i>Physical Review B</i> , 2018, 98, .	1.1	13
108	Coexistence of superconductivity and short-range double-stripe spin correlations in Te-vapor annealed $\text{FeTe}_{1-x}\text{Se}_x$ ($x=0.2$). <i>Physical Review B</i> , 2018, 97, .	1.1	8

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109	Unusual phonon density of states and response to the superconducting transition in the In-doped topological crystalline insulator $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$. Physical Review B, 2018, 97, .	1.1	10
110	Superconducting proximity effect in a topological insulator using Fe(Te, Se). Physical Review B, 2018, 97, .	1.1	23
111	Identification of a New Form of Electron Coupling in the $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ Superconductor by Laser-Based Angle-Resolved Photoemission Spectroscopy. Peking University-World Scientific Advanced Physics Series, 2018, , 239-248.	0.0	0
112	Spectroscopic evidence for bulk-band inversion and three-dimensional massive Dirac fermions in ZrTe_5 . Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 816-821.	3.3	77
113	Structural phase transitions of $(\text{Bi}_{1-x}\text{Sb}_x)_2(\text{Te}_y\text{Se}_{3-y})_3$ compounds under high pressure and the influence of the atomic radius on the compression processes of tetradymites. Physical Chemistry Chemical Physics, 2017, 19, 2207-2216.	1.3	18
114	Superconductivity with two-fold symmetry in topological superconductor $\text{Sr}_x\text{Bi}_2\text{Se}_3$. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	2.0	63
115	Cu nuclear magnetic resonance study of charge and spin stripe order in $\text{La}_{1.875}\text{Ba}_{0.125}\text{CuO}_4$. Physical Review B, 2017, 95, .	1.1	4
116	Surprising loss of three-dimensionality in low-energy spin correlations on approaching superconductivity in FeTe . Physical Review B, 2017, 96, .	1.1	4
117	Vertical temperature boundary of the pseudogap under the superconducting dome in the phase diagram of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. Physical Review B, 2017, 96, .	1.1	2
118	Andreev reflection without Fermi surface alignment in high- T_c van der Waals heterostructures. New Journal of Physics, 2017, 19, 043026.	1.2	3
119	Suppression of the antiferromagnetic order when approaching the superconducting state in a phase-separated crystal of $\text{KxFe}_2\text{As}_2\text{Se}_2$. Physical Review B, 2017, 96, .	1.1	2
120	Origin of the emergence of higher T_c than bulk in iron chalcogenide thin films. Scientific Reports, 2017, 7, 9994.	1.6	24
121	Shockwave-Loading-Induced Enhancement of T_c in Superconducting $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. Scientific Reports, 2017, 7, 6710.	1.6	2
122	High-temperature charge density wave correlations in $\text{La}_{1.875}\text{Ba}_{0.125}\text{CuO}_4$ without spin-charge locking. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12430-12435.	3.3	75
123	Static charge-density-wave order in the superconducting state of $\text{La}_{1.75}\text{Sr}_{0.25}\text{CuO}_4$. Physical Review B, 2017, 95, .	1.1	2
124	Evidence for a Nematic Phase in $\text{La}_{1.75}\text{Sr}_{0.25}\text{CuO}_4$. Physical Review Letters, 2017, 118, 177601.	1.1	2
125	Doping Dependence of Collective Spin and Orbital Excitations in the Spin-1 Quantum Antiferromagnet $\text{La}_{1-x}\text{Sr}_x\text{CuO}_4$. Physical Review Letters, 2017, 118, 156402.	2.9	31
126	Indium Substitution Effect on the Topological Crystalline Insulator Family $(\text{Pb}_{1-x}\text{Sn}_x)\text{In}_y\text{Te}$: Topological and Superconducting Properties. Crystals, 2017, 7, 55.	1.0	19

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127	First-order reversal curve of the magnetostructural phase transition in FeTe. Physical Review B, 2017, 95, .	1.1	7
128	Quasi-two-dimensional fluctuations in the magnetization of $\text{La}_{1.9}\text{Ca}_{1.1}\text{Cu}_2\text{O}_6+\delta$ superconductors. Physical Review B, 2017, 96, .	1.1	4
129	Growth and structural characterization of large superconducting crystals of $\text{La}_{2-x}\text{Ca}_{1+x}\text{Cu}_2\text{O}_6$. Physical Review Materials, 2017, 1, .	0.9	2
130	Measurement of the dynamic charge response of materials using low-energy, momentum-resolved electron energy-loss spectroscopy (M-EELS). SciPost Physics, 2017, 3, .	1.5	48
131	Parametric amplification of a superconducting plasma wave. Nature Physics, 2016, 12, 1012-1016.	6.5	59
132	Low vibration high numerical aperture automated variable temperature Raman microscope. Review of Scientific Instruments, 2016, 87, 043105.	0.6	17
133	Forbidden phonon: Dynamical signature of bond symmetry breaking in the iron chalcogenides. Physical Review B, 2016, 94, .	1.1	8
134	Energy dissipation from a correlated system driven out of equilibrium. Nature Communications, 2016, 7, 13761.	5.8	63
135	Suppression of Superfluid Density and the Pseudogap State in the Cuprates by Impurities. Physical Review Letters, 2016, 117, 257003.	2.9	10
136	Kondo-like zero-bias conductance anomaly in a three-dimensional topological insulator nanowire. Scientific Reports, 2016, 6, 21767.	1.6	7
137	Remarkable Stability of Charge Density Wave Order in $\text{La}_{1-x}\text{Bi}_x\text{Cu}_2\text{O}_7$. Physical Review Letters, 2016, 117, 167001.	2.9	33
138	Combined single crystal polarized XAFS and XRD at high pressure: probing the interplay between lattice distortions and electronic order at multiple length scales in high T_c cuprates. High Pressure Research, 2016, 36, 348-359.	0.4	4
139	Thermal evolution of antiferromagnetic correlations and tetrahedral bond angles in superconducting $\text{FeTe}_{1-x}\text{Se}_x$. Physical Review B, 2016, 93, .	1.1	13
140	Electronic structure of the ingredient planes of the cuprate superconductor $\text{Bi}_{2-x}\text{Sr}_x\text{Cu}_2\text{O}_7$. A comparison study with $\text{Bi}_{2-x}\text{Sr}_x\text{Cu}_2\text{O}_7$. Physical Review B, 2016, 93, .	1.1	12
141	Restoring interlayer Josephson coupling in $\text{La}_{2-x}\text{Sr}_x\text{Cu}_2\text{O}_7$ charge transfer melting of stripe order. Physical Review B, 2016, 93, .	2.4	1.885
142	Phonon anomalies in some iron telluride materials. Physical Review B, 2016, 93, .	1.1	18
143	Modeling tunneling for the unconventional superconducting proximity effect. Superconductor Science and Technology, 2016, 29, 125006.	1.8	6
144	In situ carrier tuning in high temperature superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8+$ by potassium deposition. Science Bulletin, 2016, 61, 1037-1043.	4.3	11

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145	Orbital symmetry of charge-density-wave order in La _{1.875} Ba _{0.125} CuO ₄ and YBa ₂ Cu ₃ O _{6.67} . Nature Materials, 2016, 15, 616-620.	13.3	45
146	Chiral magnetic effect in ZrTe ₅ . Nature Physics, 2016, 12, 550-554.	6.5	793
147	Nematicity in stripe-ordered cuprates probed via resonant x-ray scattering. Science, 2016, 351, 576-578.	6.0	61
148	Strong interaction between electrons and collective excitations in the multiband superconductor MgB ₂ . Physical Review B, 2015, 91, .	1.1	16
149	Temperature-dependent optical enhancement of superconducting interlayer coupling in MgB ₂ . Physical Review B, 2015, 91, .	1.1	41
150	Anisotropic scattering rate in Fe-substituted Bi ₂ Sr ₂ Ca(Cu _{1-x} Fe _x) ₂ O ₈ + δ . Physical Review B, 2015, 91, .	1.1	1
151	Fully gapped superconductivity in In-doped topological crystalline insulator Pb _{1-x} Sn _x Te. Physical Review B, 2015, 92, .	1.1	1
152	Optical spectroscopy study of the three-dimensional Dirac semimetal ZrTe ₅ . Physical Review B, 2015, 92, .	1.1	1
153	Three energy scales in the superconducting state of hole-doped cuprates detected by electronic Raman scattering. Physical Review B, 2015, 92, .	1.1	11
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