

# Jian-Xin Zhu

## List of Publications by Year in descending order

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252  
papers

7,539  
citations

53660

45  
h-index

74018

75  
g-index

261  
all docs

261  
docs citations

261  
times ranked

7698  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impurity-induced states in conventional and unconventional superconductors. <i>Reviews of Modern Physics</i> , 2006, 78, 373-433.	16.4	1,076
2	Interplay of electron-lattice interactions and superconductivity in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ . <i>Nature</i> , 2006, 442, 546-550.	13.7	337
3	Iron pnictides as a new setting for quantum criticality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4118-4121.	3.3	162
4	Observation of universal strong orbital-dependent correlation effects in iron chalcogenides. <i>Nature Communications</i> , 2015, 6, 7777.	5.8	148
5	Theory of current and shot-noise spectroscopy in single-molecular quantum dots with a phonon mode. <i>Physical Review B</i> , 2003, 67, .	1.1	137
6	Electronic correlation and magnetism in the ferromagnetic metal $\text{LaFeAsO}$ . <i>Physical Review B</i> , 2016, 93, <a href="#">Realization in Iron Oxychalcogenides</a>		
7	$\text{La}_{1-x}\text{Fe}_x\text{O}_{2-y}$		

#	ARTICLE	IF	CITATIONS
19	Thermoelectric transport with electron-phonon coupling and electron-electron interaction in molecular junctions. <i>Physical Review B</i> , 2012, 85, .	1.1	69
20	Fermi surface reconstruction and multiple quantum phase transitions in the antiferromagnet CeRhIn <sub>5</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 673-678.	3.3	67
21	Bogoliubov-de Gennes Method and Its Applications. <i>Lecture Notes in Physics</i> , 2016, , .	0.3	67
22	Electron-hole compensation effect between topologically trivial electrons and nontrivial holes in NbAs. <i>Physical Review B</i> , 2015, 92, .	1.1	66
23	Incommensurate Spin Fluctuations in the Spin-Triplet Superconductor Candidate $U\text{Te}_2$ <i>Physical Review Letters</i> , 2020, 125, 237003.	2.9	60
24	Induced Magnetization in $\text{La}_2\text{O}_7$ <i>Physical Review Letters</i> , 2014, 113, 047204.	2.9	59
25	Vortex Charges in High-Temperature Superconductors. <i>Physical Review Letters</i> , 2002, 89, 217001.	2.9	58
26	Ultrafast carrier dynamics in the large-magnetoresistance material $\text{WTe}_2$ <i>Physical Review B</i> , 2015, 92, .	1.1	58
27	Spectral properties of $\tilde{f}$ -plutonium: Sensitivity to $f$ occupancy. <i>Physical Review B</i> , 2007, 76, .	1.1	57
28	Disorder in quantum critical superconductors. <i>Nature Physics</i> , 2014, 10, 120-125. <i>Orbital-selective superconductivity, gap anisotropy, and spin resonance excitations in a</i>	6.5	57
29	multiorbital $t$ - $J_1$ $J_2$ <i>Physical Review B</i> , 2014, 89, . <i>for iron pnictides.</i>	1.1	57
30	Temperature-tunable Fano resonance induced by strong coupling between Weyl fermions and phonons in TaAs. <i>Nature Communications</i> , 2017, 8, 14933.	5.8	57
31	Continuous Quantum Phase Transition in a Kondo Lattice Model. <i>Physical Review Letters</i> , 2003, 91, 156404.	2.9	56
32	Electronic Properties of DNA Base Molecules Adsorbed on a Metallic Surface. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14541-14551.	1.5	56
33	Quasiparticle States around a Nonmagnetic Impurity in ad-Density-Wave State of High-TcCuprates. <i>Physical Review Letters</i> , 2001, 87, 197001.	2.9	55
34	Site-selective electronic correlation in $\tilde{f}$ -plutonium metal. <i>Nature Communications</i> , 2013, 4, 2644.	5.8	55
35	Low-frequency optical phonon modes and carrier mobility in the halide perovskite $\text{CH}_3\text{NH}_3\text{PbBr}_3$ using terahertz time-domain spectroscopy. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	54
36	Heat diode effect and negative differential thermal conductance across nanoscale metal-dielectric interfaces. <i>Physical Review B</i> , 2013, 87, .	1.1	52

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37	Monitoring Electron-Phonon Interactions in Lead Halide Perovskites Using Time-Resolved THz Spectroscopy. ACS Nano, 2019, 13, 8826-8835.	7.3	52
38	Terahertz conductivity of topological surface states in Bi <sub>1.5</sub> Sb <sub>0.5</sub> Te <sub>1.8</sub> Se <sub>1.2</sub> . Scientific Reports, 2013, 3, 3513.	1.6	51
39	Effect of unitary impurities on non-STM types of tunneling in high-T <sub>c</sub> superconductors. Physical Review B, 2000, 62, 6027-6036.	1.1	50
40	Observation of Competing Order in a High-T <sub>c</sub> Superconductor Using Femtosecond Optical Pulses. Physical Review Letters, 2007, 99, 147008.	2.9	50
41	Band Dependent Interlayer f-Electron Hybridization in CeRhIn <sub>5</sub> . Physical Review Letters, 2018, 120, 066403.	2.9	49
42	Pressure-induced superconducting state and effective mass enhancement near the antiferromagnetic quantum critical point of CePt <sub>2</sub> . Physical Review B, 2010, 81, .	1.1	48
43	Optical properties of organometallic perovskite: An ab initio study using relativistic GW correction and Bethe-Salpeter equation. Europhysics Letters, 2014, 108, 67015.	0.7	47
44	Pressure-induced topological quantum phase transition in Sb <sub>2</sub> Se <sub>3</sub> . Physical Review B, 2014, 89, .	1.1	47
45	Experimental observation of incoherent-coherent crossover and orbital-dependent band renormalization in iron chalcogenide superconductors. Physical Review B, 2015, 92, .	1.1	46
46	On-Fabrication Solid-State Doping of Graphene by an Electron-Transporting Metal Oxide Layer for Efficient Inverted Organic Solar Cells. Advanced Energy Materials, 2016, 6, 1600172.	10.2	46
47	Iron Carbides in Fischer-Tropsch Synthesis: Theoretical and Experimental Understanding in Epsilon-Iron Carbide Phase Assignment. Journal of Physical Chemistry C, 2017, 121, 21390-21396.	1.5	45
48	Theory of asymmetric and negative differential magnon tunneling under temperature bias: Towards a spin Seebeck diode and transistor. Physical Review B, 2013, 88, .	1.1	44
49	Strain-Driven Approach to Quantum Criticality in A <sub>2</sub> Fe <sub>2</sub> As <sub>2</sub> . Physical Review Letters, 2016, 116, 227002.	2.9	44
50	Tracing Ultrafast Separation and Coalescence of Carrier Distributions in Graphene with Time-Resolved Photoemission. Journal of Physical Chemistry Letters, 2012, 3, 64-68.	2.1	42
51	Observation of the spin-polarized surface state in a noncentrosymmetric superconductor BiPd. Nature Communications, 2016, 7, 13315.	5.8	42
52	Electronic and Magnetic Properties of Lanthanum and Strontium Doped Bismuth Ferrite: A First-Principles Study. Scientific Reports, 2019, 9, 194.	1.6	42
53	Lattice model for the broken-time-reversal-symmetry pairing state near a surface of d-wave superconductors. Physical Review B, 1999, 59, 3353-3356.	1.1	41
54	Quantum Electronic Transport through a Precessing Spin. Physical Review Letters, 2002, 89, 286802.	2.9	41

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55	Anomalous femtosecond quasiparticle dynamics of hidden order state in URu <sub>2</sub> Si. <i>Physical Review B</i> , 2011, 84, .	1.1	40
56	Superconductivity at the border of electron localization and itinerancy. <i>Nature Communications</i> , 2013, 4, 2783.	5.8	40
57	Magnetic, electronic, and optical properties of double perovskite Bi <sub>2</sub> FeMnO <sub>6</sub> . <i>APL Materials</i> , 2017, 5, .	2.2	38
58	Observation of Dirac-like semi-metallic phase in NdSb. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 23LT02.	0.7	35
59	Orbital Selectivity Enhanced by Nematic Order in FeSe. <i>Physical Review Letters</i> , 2018, 121, 227003.	2.9	35
60	Josephson current in the presence of a precessing spin. <i>Physical Review B</i> , 2003, 67, .	1.1	34
61	Electronic structure and correlation effects in PuCoIn <sub>5</sub> as compared to PuCoGa <sub>5</sub> . <i>Europhysics Letters</i> , 2012, 97, 57001.	0.7	34
62	Measurement of Two Low-Temperature Energy Gaps in the Electronic Structure of Antiferromagnetic USb <sub>2</sub> Using Ultrafast Optical Spectroscopy. <i>Physical Review Letters</i> , 2013, 111, 057402.	2.9	34
63	Quasiparticle resonant states induced by a unitary impurity in ad-wave superconductor. <i>Physical Review B</i> , 2000, 61, 8667-8670.	1.1	33
64	Nanoscale Spin Seebeck Rectifier: Controlling Thermal Spin Transport across Insulating Magnetic Junctions with Localized Spin. <i>Physical Review B</i> , 2014, 89, .	1.1	33
65	Performance of a nonempirical meta-generalized gradient approximation density functional for excitation energies. <i>Journal of Chemical Physics</i> , 2008, 128, 084110.	1.2	32
66	Graphane Nanotubes. <i>ACS Nano</i> , 2012, 6, 7142-7150.	7.3	32
67	Zero-Temperature Magnetic Transition in an Easy-Axis Kondo Lattice Model. <i>Physical Review Letters</i> , 2007, 99, 227204.	2.9	31
68	Spin Fluctuations and the Peak-Dip-Hump Feature in the Photoemission Spectrum of Actinides. <i>Physical Review Letters</i> , 2012, 108, 017001.	2.9	31
69	Orbital-selective superconductivity in the nematic phase of FeSe. <i>Physical Review B</i> , 2018, 98, .	1.1	31
70	Quasiparticle relaxation across the spin-density-wave gap in the itinerant antiferromagnet UNiGa <sub>5</sub> . <i>Physical Review B</i> , 2006, 74, .	1.1	30
71	Proximity-induced magnetism in transition-metal substituted graphene. <i>Scientific Reports</i> , 2015, 5, 12322.	1.6	30
72	Anomalous energy transport across topological insulator superconductor junctions. <i>Physical Review B</i> , 2013, 87, .	1.1	29

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73	Temperature-dependent ultrafast carrier and phonon dynamics of topological insulator Bi <sub>1.5</sub> Sb <sub>0.5</sub> Te <sub>1.8</sub> Se <sub>1.2</sub> . Applied Physics Letters, 2014, 104, .	1.5	29
74	Local strong-coupling pairing ind-wave superconductors with inhomogeneous bosonic modes. Physical Review B, 2006, 74, .	1.1	28
75	Spin dynamics in a tunnel junction between ferromagnets. New Journal of Physics, 2008, 10, 013017.	1.2	28
76	Electronic Tuning and Uniform Superconductivity in $\text{CeCoIn}_5$ . Physical Review Letters, 2012, 109, 186402.	2.9	28
77	Kondo resonance in the presence of spin-polarized currents. Physical Review B, 2008, 78, .	1.1	27
78	Electrical and Thermal Control of Magnetic Exchange Interactions. Physical Review Letters, 2014, 113, 257201.	2.9	27
79	Local quasiparticle states around an Anderson impurity in ad-wave superconductor: Kondo effects. Physical Review B, 2000, 63, .	1.1	26
80	Impurity states in multiband s-wave superconductors: Analysis of iron pnictides. Physical Review B, 2012, 86, .	1.1	26
81	Thickness dependence of electronic structure and optical properties of a correlated van der Waals antiferromagnetic $\text{NiPS}_3$ thin film. Physical Review B, 2020, 102, .	1.1	26
82	Local quasiparticle states near a Zn impurity with induced magnetic moment in a high-Tc superconductor. Physical Review B, 2001, 64, .	1.1	25
83	Fourier-transformed local density of states and tunneling into ad-wave superconductor with bosonic modes. Physical Review B, 2006, 73, .	1.1	25
84	Tuning impurity states in bilayer graphene. Physical Review B, 2008, 77, .	1.1	25
85	Vortex core states in a minimal two-band model for iron-based superconductors. Physical Review B, 2009, 80, .	1.1	25
86	Quasiparticle states around a nonmagnetic impurity in electron-doped iron-based superconductors with spin-density-wave order. Physical Review B, 2011, 83, .	1.1	25
87	Coherence scale of coupled Anderson impurities. Physical Review B, 2011, 83, .	1.1	25
88	Fermi surface of CePt <sub>2</sub> In <sub>7</sub> : A two-dimensional analog of CeIn <sub>3</sub> . Physical Review B, 2011, 83, .	1.1	25
89	Charge transfer in crystalline germanium/monolayer MoS <sub>2</sub> heterostructures prepared by chemical vapor deposition. Nanoscale, 2016, 8, 18675-18681.	2.8	25
90	Tunneling spectrum into ad-wave superconductor with a time-reversal-symmetry-broken surface state. Physical Review B, 1998, 57, 3038-3044.	1.1	24

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91	Coexistence of coupled magnetic phases in epitaxial TbMnO <sub>3</sub> films revealed by ultrafast optical spectroscopy. Applied Physics Letters, 2012, 101, .	1.5	24
92	Ultrafast Photoemission Spectroscopy of the Uranium Dioxide $\text{UO}_2$ Insulator: Evidence for a Robust Energy Gap Structure. Physical Review Letters, 2014, 112, .	2.9	24
93	Next-Generation Epigenetic Detection Technique: Identifying Methylated Cytosine Using Graphene Nanopore. Journal of Physical Chemistry Letters, 2014, 5, 2601-2607.	2.1	24
94	Solution-Processed n-Type Graphene Doping for Cathode in Inverted Polymer Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 4874-4881.	4.0	24
95	Supercurrent determined from the Aharonov-Bohm effect in mesoscopic superconducting rings. Physical Review B, 1994, 50, 7207-7210.	1.1	23
96	Effects of Pairing Potential Scattering on Fourier-Transformed Inelastic Tunneling Spectra of High-T <sub>c</sub> Cuprate Superconductors with Bosonic Modes. Physical Review Letters, 2006, 97, 177001.	2.9	23
97	Hybridization and Superconducting Gaps in the Heavy-Fermion Superconductor $\text{PuCoGa}_5$ Probed via the Dynamics of Photoinduced Quasiparticles. Physical Review Letters, 2010, 104, 227002.	2.9	23
98	First-principles calculations of the electronic structure of iron-pnictide EuFe <sub>2</sub> (As,P) <sub>2</sub> superconductors: Evidence for antiferromagnetic spin order. Physical Review B, 2012, 86, .	1.1	23
99	Probing the superconducting gap symmetry of $\text{PdBi}_2$ : A penetration depth study. Physical Review B, 2017, 95, .	1.1	23
100	Local Electronic Structure of a Single Nonmagnetic Impurity as a Test of the Pairing Symmetry of Electrons in (K,Tl)Fe <sub>x</sub> Se <sub>2</sub> Superconductors. Physical Review Letters, 2011, 107, 167002.	2.9	22
101	First-Principles Investigation of Nanopore Sequencing Using Variable Voltage Bias on Graphene-Based Nanoribbons. Journal of Physical Chemistry Letters, 2015, 6, 2616-2621.	2.1	22
102	Bound states and Josephson current in mesoscopic s-wave superconductor-normal-metal-d-wave superconductor junctions. Physical Review B, 1996, 54, 7354-7359.	1.1	21
103	Electronic structure and relaxation dynamics in a superconducting topological material. Scientific Reports, 2016, 6, 22557.	1.6	21
104	Quasiparticle Localization in Disordered d-Wave Superconductors. Physical Review Letters, 2000, 85, 4944-4947.	2.9	20
105	Inelastic tunneling spectroscopy in ad-wave superconductor. Physical Review B, 2003, 68, .	1.1	20
106	$f$ -spin physics of rare-earth iron pnictides: Influence of $d$ -electron antiferromagnetic order on the heavy-fermion phase diagram. Physical Review B, 2009, 80, .	1.1	20
107	Interorbital pairing and its physical consequences for iron pnictide superconductors. Physical Review B, 2010, 81, .	1.1	20
108	Induction of charge density waves by spin density waves in iron-based superconductors. Physical Review B, 2010, 82, .	1.1	20

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109	Orbital-dependent effects of electron correlations in microscopic models for iron-based superconductors. <i>Current Opinion in Solid State and Materials Science</i> , 2013, 17, 65-71.	5.6	20
110	Bonding between graphene and MoS2 monolayers without and with Li intercalation. <i>Applied Physics Letters</i> , 2015, 107, 043903.	1.5	20
111	Topological-insulator-based terahertz modulator. <i>Scientific Reports</i> , 2017, 7, 13486.	1.6	20
112	Kondo Signatures of a Quantum Magnetic Impurity in Topological Superconductors. <i>Physical Review Letters</i> , 2019, 122, 087001.	2.9	20
113	Digital quantum simulation of non-equilibrium quantum many-body systems. <i>Quantum Information Processing</i> , 2021, 20, 1.	1.0	20
114	Photocurrent-driven transient symmetry breaking in the Weyl semimetal TaAs. <i>Nature Materials</i> , 2022, 21, 62-66.	13.3	20
115	Magnetic flux periodicity in a hollow $d$ -wave superconducting cylinder. <i>Physical Review B</i> , 2010, 81, .	1.1	19
116	Local Electronic Structure and Fano Interference in Tunneling into a Kondo Hole System. <i>Physical Review Letters</i> , 2012, 108, 186401.	2.9	19
117	Disorder effects in multiorbital $d$ -wave superconductors: Implications for Zn-doped BaFe2As2 compounds. <i>Physical Review B</i> , 2013, 88, .	1.1	19
118	$LDA+DMFT$ Approach to Magnetocrystalline Anisotropy of Strong Magnets. <i>Physical Review X</i> , 2014, 4, .	2.8	19
119	Microscopic investigation of electronic inhomogeneity induced by substitutions in a quantum critical metal $CeCoIn_5$ . <i>Physical Review B</i> , 2015, 92, .	1.1	19
120	From Trivial Kondo Insulator Ce3Pt3Bi4 to Topological Nodal-Line Semimetal Ce3Pd3Bi4. <i>Physical Review Letters</i> , 2020, 124, 166403.	2.9	19
121	Density functional theory study of skyrmion pinning by atomic defects in MnSi. <i>Physical Review B</i> , 2016, 93, .	1.1	18
122	c-axis response of a high-Tc superconductor with d-density-wave order. <i>Physical Review B</i> , 2002, 65, .	1.1	17
123	A high-throughput data analysis and materials discovery tool for strongly correlated materials. <i>Npj Computational Materials</i> , 2018, 4, .	3.5	17
124	Correlation-driven electronic reconstruction in FeTe1-xSex. <i>Communications Physics</i> , 2022, 5, .	2.0	17
125	Magnetic quantum phase transitions in Kondo lattices. <i>Journal of Physics Condensed Matter</i> , 2005, 17, R1025-R1040.	0.7	16
126	Vibrational coherence in electron spin resonance in nanoscale oscillators. <i>Physical Review B</i> , 2008, 78, .	1.1	16



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127	Probing ultrafast spin dynamics through a magnon resonance in the antiferromagnetic multiferroic $\text{HoMnO}_3$ . Physical Review B, 2016, 94, .	1.1	16
128	Orbital Selectivity in Electron Correlations and Superconducting Pairing of Iron-Based Superconductors. Frontiers in Physics, 2021, 9, .	1.0	16
129	Effects of a Collective Spin Resonance Mode on the Scanning Tunneling Microscopy Spectra of d-Wave Superconductors. Physical Review Letters, 2004, 92, 017002.	2.9	15
130	Local electronic structure in the Peierls-Bishop-Holstein model. Journal of Physics Condensed Matter, 2007, 19, 136203.	0.7	15
131	Charge inhomogeneity in a single and bilayer graphene. Physica B: Condensed Matter, 2010, 405, 2241-2244.	1.3	15
132	Local suppression of the superfluid density of $\text{PuCoGa}_5$ by strong onsite disorder. Physical Review B, 2011, 84, .	1.1	15
133	Induced Ferromagnetism at $\text{BiFeO}_3/\text{YBa}_2\text{Cu}_3\text{O}_7$ Interfaces. Scientific Reports, 2014, 4, 5368.	1.6	15
134	Supercurrent and quasiparticle interference between two-wave superconductors coupled by a normal metal or insulator. Physical Review B, 1996, 54, 12509-12516.	1.1	14
135	Local spin-current measurements of the superfluid density in fresh and aged superconducting $\text{PuCoGa}_5$ . Physical Review B, 2007, 76, .	1.1	14
136	Quasiparticle dynamics in overdoped $\text{Bi}_{1.4}\text{Pb}_{0.7}\text{Sr}_{1.9}\text{CaCu}_2\text{O}_{8+\delta}$ : Coexistence of superconducting gap and pseudogap below $T_c$ . Physical Review B, 2010, 82, .	1.1	14
137	Magnetic field-tuned localization of the superfluid density in $\text{URu}_2\text{Si}_2$ . Physical Review B, 2013, 88, .	1.1	14
138	First-principles calculations with spin-orbit coupling for the light actinides. Physical Review B, 2014, 89, .	1.1	14
139	Unusual superconducting isotope effect in the presence of a quantum criticality. Physical Review B, 2016, 93, .	1.1	14
140	Superconductivity in ferromagnetic $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ . Physical Review B, 2000, 62, 11369-11372.	1.1	13
141	Calculated phase diagram of doped $\text{BaFe}_2\text{As}_4$ superconductor in a $C_4v$ -symmetry breaking model. Europhysics Letters, 2013, 103, 67001.	0.7	13
142	Dirac state in a centrosymmetric superconductor $\text{Gd}_2\text{O}_3$ . Physical Review B, 2018, 97, .	1.1	13
143	Field induced $d_{x^2-y^2}$ state in d-density-wave metals. Physical Review B, 2002, 65, .	1.1	12
144	Validity of the equation-of-motion approach to the Kondo problem in the large- $N$ limit. Physical Review B, 2009, 79, .	1.1	12



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163	Quasiparticle dynamics across the full Brillouin zone of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ traced with ultrafast time and angle-resolved photoemission spectroscopy. Structural Dynamics, 2015, 2, 054501.	0.9	9
164	Voltage-dependent spin flip in magnetically substituted graphene nanoribbons: Towards the realization of graphene-based spintronic devices. Physical Review B, 2017, 95, .	1.1	9
165	Design principles from multiscale simulations to predict nanostructure in self-assembling ionic liquids. Faraday Discussions, 2018, 206, 159-181.	1.6	9
166	Electronic correlation induced expansion of Fermi pockets in $\delta$ -Pu. Physical Review B, 2020, 101, .	1.1	9
167	EQUATION-OF-MOTION APPROACH TO DYNAMICAL MEAN FIELD THEORY. Modern Physics Letters B, 2006, 20, 1629-1636.	1.0	8
168	Competing energy scales in high-temperature superconductors: Ultrafast pump-probe studies. Physica Status Solidi - Rapid Research Letters, 2011, 5, 1-9.	1.2	8
169	Relaxation of Photoinduced Quasi-Particles in Correlated Electron Metals. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 340-350.	1.9	8
170	First-principles study of the Kondo physics of a single Pu impurity in a Th host. Physical Review B, 2015, 91, .	1.1	8
171	Many-body instabilities and mass generation in slow Dirac materials. Physical Review B, 2015, 92, .	1.1	8
172	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Pu} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 239 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ nuclear magnetic resonance in the candidate topological insulator $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{PuB} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ Physical Review B, 2019, 99, .	1.1	8
173	Laser pulse driven control of charge and spin order in the two-dimensional Kondo lattice. Physical Review B, 2020, 102, .	1.1	8
174	Vibrating Superconducting Island in a Josephson Junction. Physical Review Letters, 2008, 101, 067202.	2.9	7
175	Dynamical properties of a vibrating molecular quantum dot in a Josephson junction. Physical Review B, 2010, 81, .	1.1	7
176	Theory of the time-resolved spectral function of high-temperature superconductors with bosonic modes. Physical Review B, 2010, 81, .	1.1	7
177	Electronic correlation strength of Pu. Physical Review B, 2013, 87, .	1.1	7
178	Evolution of the Fermi surface topology in doped 122 iron pnictides. Physical Review B, 2013, 88, .	1.1	7
179	Singularity in self-energy and composite fermion excitations of interacting electrons. Physical Review B, 2013, 87, .	1.1	7
180	Interface-induced magnetic coupling in multiferroic/ferromagnetic bilayer: An ultrafast pump-probe study. Applied Physics Letters, 2014, 104, 141602.	1.5	7

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181	Ground-state wave function of plutonium in PuSb as determined via x-ray magnetic circular dichroism. Physical Review B, 2015, 91, .	1.1	7
182	Interfacial effects revealed by ultrafast relaxation dynamics in $\text{BiFeO}_3$ and $\text{YBaCuO}_7$ bilayers. Physical Review B, 2018, 97, .	1.1	7
183	Spatial dependence of the super-exchange interactions for transition-metal trimers in graphene. Journal of Applied Physics, 2018, 123, .	1.1	7
184	Landscape of coexisting excitonic states in the insulating single-layer cuprates and nickelates. Physical Review B, 2020, 101, .	1.1	7
185	Prediction of spin polarized Fermi arcs in quasiparticle interference in CeBi. Physical Review B, 2020, 102, .	1.1	7
186	Direct Observation of Coherent Longitudinal and Shear Acoustic Phonons in TaAs Using Ultrafast X-Ray Diffraction. Physical Review Letters, 2022, 128, 155301.	2.9	7
187	Exciton condensate modulation in electron-hole bilayers: A real-space visualization. Physical Review B, 2010, 81, .	1.1	6
188	Interplay between the Fulde-Ferrell-like phase and Larkin-Ovchinnikov phase in the superconducting ring pierced by an Aharonov-Bohm flux. Physical Review B, 2010, 81, .	1.1	6
189	Direct measurement of quasiparticle lifetimes in graphene using time-resolved photoemission. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, 03D116.	0.6	6
190	Fermi surface topology and de Haas-van Alphen orbits in $\text{PuIn}_3$ and $\text{PuSn}_3$ compounds. Physical Review B, 2013, 88, .	1.1	6
191	Stable Higgs mode in anisotropic quantum magnets. Physical Review B, 2020, 102, .	1.1	6
192	Optimization of the design of superconducting inhomogeneous nanowires. Journal of Physics Condensed Matter, 2008, 20, 195204.	0.7	5
193	Coulomb correlation in the presence of spin-orbit coupling: Application to plutonium. Physical Review B, 2008, 77, .	1.1	5
194	Asymmetric Andreev reflection induced electrical and thermal Hall-like effects in metal/anisotropic superconductor junctions. Physical Review B, 2014, 89, .	1.1	5
195	Evolution of quasiparticle states with and without a Zn impurity in doped 122 iron pnictides. Physical Review B, 2014, 90, .	1.1	5
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