

# Jörg Schmalian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9164583/publications.pdf>

Version: 2024-02-01

205  
papers

12,103  
citations

23567

58  
h-index

28297

105  
g-index

210  
all docs

210  
docs citations

210  
times ranked

7316  
citing authors

#	ARTICLE	IF	CITATIONS
1	What drives nematic order in iron-based superconductors?. Nature Physics, 2014, 10, 97-104.	16.7	916
2	Quantum-critical theory of the spin-fermion model and its application to cuprates: Normal state analysis. Advances in Physics, 2003, 52, 119-218.	14.4	464
3	Anomalous Suppression of the Orthorhombic Lattice Distortion in Superconducting $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$ . Physical Review Letters, 2010, 104, 057006.	7.8	682
4	Pairing symmetry and pairing state in ferropnictides: Theoretical overview. Physica C: Superconductivity and Its Applications, 2009, 469, 614-627.	1.2	360
5	The middle way. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 32-37.	7.1	345
6	Effects of Nematic Fluctuations on the Elastic Properties of Iron Arsenide Superconductors. Physical Review Letters, 2010, 105, 157003.	7.8	318
7	Quantum critical transport in clean graphene. Physical Review B, 2008, 78, .	3.2	277
8	Graphene: A Nearly Perfect Fluid. Physical Review Letters, 2009, 103, 025301.	7.8	271
9	The shapes of cooperatively rearranging regions in glass-forming liquids. Nature Physics, 2006, 2, 268-274.	16.7	245
10	Momentum Dependence of the Superconducting Gap in $\text{NdFeAsO}_{0.9}\text{F}_{0.1}$ Single Crystals Measured by Angle Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 101, 147003.	7.8	239
11	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
12	Competition between the pseudogap and superconductivity in the high-Tc copper oxides. Nature, 2009, 457, 296-300.	27.8	231
13	Femtosecond Population Inversion and Stimulated Emission of Dense Dirac Fermions in Graphene. Physical Review Letters, 2012, 108, 167401.	7.8	228
14	Pairing due to Spin Fluctuations in Layered Organic Superconductors. Physical Review Letters, 1998, 81, 4232-4235.	7.8	208
15	Quantum Critical Scaling in Graphene. Physical Review Letters, 2007, 99, 226803.	7.8	207
16	Stripe Glasses: Self-Generated Randomness in a Uniformly Frustrated System. Physical Review Letters, 2000, 85, 836-839.	7.8	204
17	Competing order and nature of the pairing state in the iron pnictides. Physical Review B, 2010, 82, .	3.2	198
18	Weak Pseudogap Behavior in the Underdoped Cuprate Superconductors. Physical Review Letters, 1998, 80, 3839-3842.	7.8	192

#	ARTICLE	IF	CITATIONS
19	Unconventional pairing in the iron arsenide superconductors. Physical Review B, 2010, 81, .	3.2	191
20	Optical transparency of graphene as determined by the fine-structure constant. Physical Review B, 2009, 80, .	3.2	176
21	Disentangling Cooper-pair formation above the transition temperature from the pseudogap state in the cuprates. Nature Physics, 2011, 7, 21-25.	16.7	169
22	Unconventional London Penetration Depth in Single-Crystal $\text{Ba}_{0.93}\text{Fe}_{1-x}\text{Co}_x$ Superconductors. Physical Review Letters, 2009, 102, 127004.	3.5	146
23	Manifestations of nematic degrees of freedom in the magnetic, elastic, and superconducting properties of the iron pnictides. Superconductor Science and Technology, 2012, 25, 084005.	7.8	140
24	Evidence of Strong Correlations and Coherence-Incoherence Crossover in the Iron Pnictide Superconductor $\text{KFe}_2\text{As}_2$ . Physical Review Letters, 2013, 111, 027002.	3.2	133
25	Microscopic theory of weak pseudogap behavior in the underdoped cuprate superconductors: General theory and quasiparticle properties. Physical Review B, 1999, 60, 667-686.	3.2	132
26	Character of the structural and magnetic phase transitions in the parent and electron-doped $\text{BaFe}_2\text{As}_2$ . Physical Review Letters, 2011, 107, 217002.	14.5	126
27	Intertwined Vestigial Order in Quantum Materials: Nematicity and Beyond. Annual Review of Condensed Matter Physics, 2019, 10, 133-154.	7.8	120
28	Theory for the Excitation Spectrum of High-Tc Superconductors: Quasiparticle Dispersion and Shadows of the Fermi Surface. Physical Review Letters, 1995, 75, 4508-4511.	7.8	119
29	Anisotropic In-Plane Resistivity in the Nematic Phase of the Iron Pnictides. Physical Review Letters, 2011, 107, 217002.	3.2	115
30	Scaling in the emergent behavior of heavy-electron materials. Physical Review B, 2004, 70, .	3.2	115
31	Importance of the Fermi-surface topology to the superconducting state of the electron-doped pnictide $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ . Physical Review B, 2015, 91, .	3.2	106
32	Origin of nematic order in FeSe. Physical Review B, 2015, 91, .	12.8	100
33	Sign-reversal of the in-plane resistivity anisotropy in hole-doped iron pnictides. Nature Communications, 2013, 4, 1914.	12.8	96
34	Topological superconductivity and unconventional pairing in oxide interfaces. Nature Communications, 2015, 6, 6005.	7.8	94
35	Neutron Resonance in the Cuprates and its Effect on Fermionic Excitations. Physical Review Letters, 2002, 89, 177002.	2.4	94
36	Hydrodynamic Approach to Electronic Transport in Graphene. Annalen Der Physik, 2017, 529, 1700043.		

#	ARTICLE	IF	CITATIONS
37	London penetration depth in single crystals of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Ba} \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle$ Physical Review B, 2009, 79, .	3.2	92
38	Quantum Griffiths effects in itinerant Heisenberg magnets. Physical Review B, 2005, 72, .	3.2	91
39	Boundary conditions of viscous electron flow. Physical Review B, 2019, 99, .	3.2	89
40	Devil's Staircase in Pb/Si(111) Ordered Phases. Physical Review Letters, 2003, 90, 216106.	7.8	83
41	Superconductivity in Charge Kondo Systems. Physical Review Letters, 2005, 94, 157003.	7.8	80
42	Scaling between Magnetic and Lattice Fluctuations in Iron Pnictide Superconductors. Physical Review Letters, 2013, 111, 137001.	7.8	77
43	Unexpected Fermi surface nesting in the pnictide parent compounds $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{BaFe} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle$ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{CaFe} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle$ Physical Review B, 2010, 81, .	3.2	76
44	Ginzburg-Landau theory of two-band superconductors: Absence of type-1.5 superconductivity. Physical Review B, 2011, 83, .	3.2	76
45	Pairing and Superconductivity Driven by Strong Quasiparticle Renormalization in Two-Dimensional Organic Charge Transfer Salts. Physical Review Letters, 2005, 94, 127003.	7.8	73
46	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \text{mathvariant="normal"} \rangle \hat{a}^{\prime} \langle \text{mml:mtext} \rangle \langle \text{mml:mi} \rangle \hat{I}^{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Isostructural Transition in Cerium. Physical Review Letters, 2013, 111, 196801.	7.8	73
47	Local Defect in Metallic Quantum Critical Systems. Physical Review Letters, 2001, 87, 167202.	7.8	67
48	Critical spin fluctuations and the origin of nematic order in Ba(Fe $_{1-x}$ Cox)2As2. Nature Physics, 2016, 12, 560-563.	16.7	67
49	Self-generated randomness, defect wandering, and viscous flow in stripe glasses. Physical Review B, 2001, 64, .	3.2	66
50	Gutzwiller density functional theory for correlated electron systems. Physical Review B, 2008, 77, .	3.2	65
51	Cooper pairing of incoherent electrons: An electron-phonon version of the Sachdev-Ye-Kitaev model. Physical Review B, 2019, 100, .	3.2	65
52	Ultrafast observation of critical nematic fluctuations and giant magnetoelastic coupling in iron pnictides. Nature Communications, 2014, 5, 3229.	12.8	64
53	Quantification of Magnetic Domain Disorder and Correlations in Antiferromagnetically Coupled Multilayers by Neutron Reflectometry. Physical Review Letters, 2000, 85, 4964-4967.	7.8	63
54	Fingerprints of spin mediated pairing in cuprates. Journal of Electron Spectroscopy and Related Phenomena, 2001, 117-118, 129-151.	1.7	63

#	ARTICLE	IF	CITATIONS
55	Orbital coupling and superconductivity in the iron pnictides. Physical Review B, 2009, 79, .	3.2	63
56	What Controls the Phase Diagram and Superconductivity in Ru-SubstitutedBaFe <sub>2</sub> As <sub>2</sub> ?. Physical Review Letters, 2011, 107, 267002.	7.8	62
57	Superconductivity due to massless boson exchange in the strong-coupling limit. Physical Review B, 2005, 72, .	3.2	61
58	Emergent Non-Fermi-Liquid at the Quantum Critical Point of a Topological Phase Transition in Two Dimensions. Physical Review Letters, 2016, 116, 076803.	7.8	61
59	Quantum Griffiths effects in metallic systems. Physical Review B, 2002, 66, .	3.2	59
60	Activated events in glasses: The structure of entropic droplets. Physical Review B, 2005, 72, .	3.2	51
61	Effect of tensile stress on the in-plane resistivity anisotropy in BaFe <sub>2</sub> As <sub>2</sub> . Physical Review B, 2012, 85, .	3.2	51
62	Vestigial nematic order and superconductivity in the doped topological insulator Cu <sub>x</sub> Bi <sub>2</sub> Se <sub>3</sub> . Npj Quantum Materials, 2018, 3, .	5.2	51
63	Strong-coupling theory of heavy-fermion criticality. Physical Review B, 2014, 90, .	3.2	50
64	Percolation Quantum Phase Transitions in Diluted Magnets. Physical Review Letters, 2005, 95, 237206.	7.8	44
65	Geometric Frustration and Dimensional Reduction at a Quantum Critical Point. Physical Review Letters, 2007, 98, 257201.	7.8	44
66	Nanoparticle Ordering via Functionalized Block Copolymers in Solution. ACS Nano, 2008, 2, 1259-1265.	14.6	44
67	Anisotropy of the pairing gap of FeAs-based superconductors induced by spin fluctuations. Physical Review B, 2009, 79, .	3.2	44
68	Universal collisionless transport of graphene. Physical Review B, 2016, 93, .	3.2	44
69	Out-of-Bounds Hydrodynamics in Anisotropic Dirac Fluids. Physical Review Letters, 2018, 120, 196801.	7.8	44
70	Transport properties of strongly coupled electron-phonon liquids. Annals of Physics, 2020, 419, 168218.	2.8	44
71	Theory for superconducting properties of the cuprates: doping dependence of the electronic excitations and shadow states. Europhysics Letters, 1996, 34, 219-224.	2.0	43
72	Singularities in the optical response of cuprates. Physical Review B, 2001, 63, .	3.2	43

#	ARTICLE	IF	CITATIONS
73	Influence of electron-phonon interaction on spin-fluctuation-induced superconductivity. Physical Review B, 1999, 59, 8859-8868.	3.2	42
74	Universal Postquench Prethermalization at a Quantum Critical Point. Physical Review Letters, 2014, 113, 220401.	7.8	41
75	Universality of Liquid-Gas Mott Transitions at Finite Temperatures. Physical Review Letters, 2008, 100, 026408.	7.8	40
76	Quantum-critical superconductivity in underdoped cuprates. Europhysics Letters, 2001, 55, 369-375.	2.0	39
77	Quantum Phase Transitions of Magnetic Rotons. Physical Review Letters, 2004, 93, 036405.	7.8	38
78	Transfer of optical spectral weight in magnetically ordered superconductors. Physical Review B, 2010, 82, .	3.2	38
79	Critical scaling analysis of the itinerant ferromagnet $\text{SrCaRuO}_4$ . Physical Review B, 2014, 89, .	3.8	38
80	Self-consistent summation of many-particle diagrams on the real frequency axis and its application to the FLEX approximation. Computer Physics Communications, 1996, 93, 141-151.	7.5	36
81	Inhomogeneous time-reversal symmetry breaking in $\text{Sr}_2\text{RuO}_4$ . Physical Review B, 2021, 104, .	2.2	36
82	Dynamics of Magnetic Defects in Heavy Fermion $\text{LiV}_2\text{O}_4$ from Stretched Exponential $^1\text{Li}$ NMR Relaxation. Physical Review Letters, 2005, 95, 176408.	7.8	35
83	Nematic Resonance in the Raman Response of Iron-Based Superconductors. Physical Review Letters, 2016, 116, 017001.	7.8	35
84	Z3-vestigial nematic order due to superconducting fluctuations in the doped topological insulators $\text{Nb}_x\text{Bi}_2\text{Se}_3$ and $\text{Cu}_x\text{Bi}_2\text{Se}_3$ . Nature Communications, 2020, 11, 3056.	12.8	35
85	Interface mobility and the liquid-glass transition in a one-component system described by an embedded atom method potential. Physical Review B, 2006, 74, .	3.2	34
86	Elastic coupling and spin-driven nematicity in iron-based superconductors. Physical Review B, 2016, 93, .	3.2	33
87	Disorder-promoted $\text{C}_4$ magnetic order in iron-based superconductors. Physical Review B, 2016, 93, .	4.2	33
88	High-sensitivity heat-capacity measurements on $\text{Sr}_2\text{RuO}_4$ under uniaxial pressure. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	33
89	Precise measurements of radio-frequency magnetic susceptibility in ferromagnetic and antiferromagnetic materials. Journal of Magnetism and Magnetic Materials, 2008, 320, 354-363.	2.3	32
90	Concealed $d$ -wave pairs in the $\hat{A}_{\pm}$ condensate of iron-based superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5486-5491.	7.1	32

#	ARTICLE	IF	CITATIONS
91	Temperature variation of the pseudogap in underdoped cuprates. Physical Review B, 1998, 57, R11085-R11088.	3.2	31
92	Magnetoelastically coupled structural, magnetic, and superconducting order parameters in BaFe <sub>2</sub> As <sub>2</sub>		

#	ARTICLE	IF	CITATIONS
109	Theory of microemulsion glasses. <i>Chemical Physics Letters</i> , 2002, 359, 1-7.	2.6	23
110	Analysis of characteristic temperatures in high-Tc systems. <i>Physical Review B</i> , 1997, 56, R509-R512.	3.2	21
111	Replica theory for fluctuations of the activation barriers in glassy systems. <i>Physical Review B</i> , 2009, 80, .	3.2	21
112	Theory for dynamical short-range order and Fermi surface volume in strongly correlated systems. <i>Physical Review B</i> , 1996, 54, 4336-4340.	3.2	20
113	Quantum Phases in a Doped Mott Insulator on the Shastry-Sutherland Lattice. <i>Physical Review Letters</i> , 2007, 99, 227003.	7.8	20
114	Anomalous quantum criticality in an itinerant ferromagnet. <i>Nature Communications</i> , 2015, 6, 8188.	12.8	19
115	Topologically Protected Twist Edge States for a Resonant Mechanical Laser-Beam Scanner. <i>Physical Review Applied</i> , 2019, 11, .	3.8	19
116	Magnetic resonance from the interplay of frustration and superconductivity. <i>Physical Review B</i> , 2011, 84, .	3.2	18
117	Elastocaloric determination of the phase diagram of Sr <sub>2</sub> RuO <sub>4</sub> . <i>Nature</i> , 2022, 607, 276-280.	27.8	18
118	Limits on dynamically generated spin-orbit coupling: Absence of $l$ - $s$ instabilities in metals. <i>Physical Review B</i> , 2017, 95, .	3.2	17
119	Landau Flights and Hydrodynamic Superdiffusion on the Dirac Cone of Graphene. <i>Physical Review Letters</i> , 2019, 123, 195302.	7.8	17
120	Nonlocal hydrodynamic transport and collective excitations in Dirac fluids. <i>Physical Review B</i> , 2020, 102, .	3.2	17
121	Theory for the electronic structure of high-Tc superconductors. <i>Physical Review B</i> , 1993, 48, 3983-3992.	3.2	16
122	Electronic theory for bilayer effects in high-Tc superconductors. <i>Physical Review B</i> , 1997, 55, 2784-2787.	3.2	16
123	Unconventional pairing in single FeSe layers. <i>Physical Review B</i> , 2019, 100, .	3.2	16
124	Anomalies in the Fermi Surface and Band Dispersion of Quasi-One-Dimensional CuO Chains in the High-Temperature Superconductor YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> . <i>Physical Review Letters</i> , 2010, 105, 267003.	7.8	15
125	Quantum critical Eliashberg theory, the Sachdev-Ye-Kitaev superconductor and their holographic duals. <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	15
126	Solution of local-field equations for self-generated glasses. <i>Physical Review B</i> , 2004, 70, .	3.2	14



#	ARTICLE	IF	CITATIONS
127	Scaling of nascent nodes in extended- $s$ -wave superconductors. Physical Review B, 2011, 84, .	3.2	14
128	Reply to 'Comment on Ginzburg-Landau theory of two-band superconductors: Absence of type-1.5 superconductivity'. Physical Review B, 2012, 86, .	3.2	14
129	Effect of weak disorder on the phase competition in iron pnictides. Physical Review B, 2014, 89, .	3.2	14
130	Locking of length scales in two-band superconductors. Physical Review B, 2017, 95, .	3.2	14
131	Emergent Critical Phase and Ricci Flow in a 2D Frustrated Heisenberg Model. Physical Review Letters, 2012, 109, 237205.	7.8	13
132	Tracing the Electronic Pairing Glue in Unconventional Superconductors via Inelastic Scanning Tunneling Spectroscopy. Physical Review Letters, 2017, 118, 167001.	7.8	13
133	Enhanced nematic fluctuations near an antiferromagnetic Mott insulator and possible application to high-Tc cuprates. Npj Quantum Materials, 2019, 4, .	5.2	13
134	Elementary excitations in the metallic CuO <sub>2</sub> planes of high-Tc systems. Physical Review Letters, 1992, 68, 1406-1409.	7.8	12
135	Theory for the interdependence of high-Tc superconductivity and dynamical spin fluctuations. Solid State Communications, 1996, 98, 611-615.	1.9	12
136	Electronic Mayonnaise: Uniting the Sciences of 'Hard' and 'Soft' Matter. MRS Bulletin, 2005, 30, 433-436.	3.5	12
137	FAILED THEORIES OF SUPERCONDUCTIVITY. Modern Physics Letters B, 2010, 24, 2679-2691.	1.9	12
138	Conductivity Close to Antiferromagnetic Criticality. Physical Review Letters, 2012, 109, 156403.	7.8	12
139	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
140	Coupling to real and virtual phonons in tunneling spectroscopy of superconductors. Physical Review B, 2016, 93, .	3.2	12
141	Strong coupling theory of heavy fermion criticality II. Reports on Progress in Physics, 2017, 80, 044501.	20.1	12
142	Friedel oscillations and Majorana zero modes in inhomogeneous superconductors. Physical Review B, 2018, 98, .	3.2	12
143	Electronic theory for the transition from Fermi-liquid to non-Fermi-liquid behavior in high-Tc superconductors. Solid State Communications, 1996, 97, 663-668.	1.9	11
144	Schmalian and Wolynes Reply:. Physical Review Letters, 2001, 86, 3456-3456.	7.8	11

#	ARTICLE	IF	CITATIONS
145	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
146	Quantum critical scaling and holographic bound for transport coefficients near Lifshitz points. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
147	Doping dependence of local magnetic moments and antiferromagnetism in high-Tc superconductors: Asymmetry between electron and hole doping. Solid State Communications, 1993, 86, 119-122.	1.9	10
148	A neutron study of magnetic domain correlations in antiferromagnetically coupled multilayers. Journal of Applied Physics, 2000, 87, 5750-5752.	2.5	10
149	Relativistic magnetotransport in graphene. , 2009, , .		10
150	Emergent criticality and Friedan scaling in a two-dimensional frustrated Heisenberg antiferromagnet. Physical Review B, 2014, 89, .	3.2	10
151	Short-distance breakdown of the Higgs mechanism and the robustness of the BCS theory for charged superconductors. Physical Review B, 2018, 97, .	3.2	10
152	Comment on "Using Ni Substitution and $^{67}\text{Zn}$ NMR to Probe the Susceptibility $\chi''(q)$ in Cuprates". Physical Review Letters, 1998, 80, 3662-3662.	7.8	9
153	Complex Critical Exponents for Percolation Transitions in Josephson-Junction Arrays, Antiferromagnets, and Interacting Bosons. Physical Review Letters, 2011, 106, 067004.	7.8	9
154	Unbinding of Giant Vortices in States of Competing Order. Physical Review Letters, 2012, 109, 155703.	7.8	9
155	Charge doping versus impurity scattering in chemically substituted iron pnictides. Physical Review B, 2016, 94, .	3.2	9
156	Pairing glue in cuprate superconductors from the self-energy revealed via machine learning. Physical Review B, 2020, 101, .	3.2	9
157	Fracton-elasticity duality in twisted moiré superlattices. Physical Review B, 2021, 104, .	3.2	9
158	Probing the susceptibility $\chi''(q)$ in cuprates using Ni impurities. Physical Review B, 1998, 58, 11193-11196.	3.2	8
159	Glassy behavior in systems with Kac-type step-function interaction. Physical Review E, 2004, 69, 010501.	2.1	8
160	NMR study of heavy-fermion $\text{LiV}_2\text{O}_7$ . Physical Review B, 2004, 69, 010501.	3.2	8
161	Theory for the Static Spin Susceptibility in High- T c Superconductors: Doping and Temperature Dependence. Europhysics Letters, 1993, 24, 601-606.	2.0	7
162	Nonlinear magneto-optical response of s- and d-wave superconductors. Physical Review B, 1996, 53, 11860-11867.	3.2	7

#	ARTICLE	IF	CITATIONS
163	Comment on "Quantum Griffiths effects in metallic systems" by A. H. Castro Neto and B. A. Jones. Europhysics Letters, 2005, 72, 1052-1053.	2.0	7
164	Transient charge and energy balance in graphene induced by ultrafast photoexcitation. Journal of Physics Condensed Matter, 2013, 25, 314201.	1.8	7
165	Competing ground states in transition metal oxides: Behavior of itinerant $\text{Sr}_{1-x}\text{Ca}_x\text{RuO}_3$ close to the classical and quantum critical ferromagnetic phase transition. European Physical Journal: Special Topics, 2015, 224, 1105-1126.	2.6	7
166	Orbital loop currents in iron-based superconductors. Physical Review B, 2018, 97, .	3.2	7
167	Fused-Silica 3D Chiral Metamaterials via Helium-Assisted Microcasting Supporting Topologically Protected Twist Edge Resonances with High Mechanical Quality Factors. Advanced Materials, 2021, 33, 2103205.	21.0	7
168	Edwards-Anderson parameter and local Ising nematicity in FeSe revealed via NMR spectral broadening. Physical Review B, 2021, 104, .	3.2	7
169	Conductivity of electronic liquid-crystalline mesophases. Physical Review B, 2008, 78, .	3.2	6
170	Strong coupling behavior of the neutron resonance mode in unconventional superconductors. Physical Review B, 2013, 88, .	3.2	6
171	Manipulation of a Two-Photon Pump in Superconductor-Semiconductor Heterostructures. Physical Review Letters, 2014, 112, 077003.	7.8	6
172	Strongly correlated electron systems" reports on the progress of the field. Reports on Progress in Physics, 2017, 80, 030401.	20.1	6
173	Correlated disorder in random block copolymers. Physical Review E, 2005, 72, 011806.	2.1	5
174	Critical phenomena in hyperbolic space. Physical Review B, 2015, 92, .	3.2	5
175	Interference of quantum critical excitations and soft diffusive modes in a disordered antiferromagnetic metal. Physical Review B, 2016, 93, .	3.2	5
176	Role of fluctuations for density-wave instabilities: Failure of the mean-field description. Physical Review B, 2018, 97, .	3.2	5
177	High-Tc-superconductivity and shadow state formation in $\text{YBa}_2\text{Cu}_3\text{O}_{6+\delta}$ and $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ . Solid State Communications, 1997, 102, 493-498.	1.9	4
178	Spin fluctuation induced $d_{x^2-y^2}$ -wave superconductivity in the three-band Hubbard model: A self-consistent fluctuation-exchange-approximation approach. Physical Review B, 1998, 58, 15177-15182.	3.2	4
179	Andreev interferometry as a probe of superconducting phase correlations in the pseudogap regime of the cuprates. Physical Review B, 2000, 62, 4105-4113.	3.2	4
180	ON THE NUMBER OF METASTABLE STATES IN A STRIPE GLASS. International Journal of Modern Physics B, 2001, 15, 3292-3295.	2.0	4

#	ARTICLE	IF	CITATIONS
181	Improved Electrical, Thermal, and Thermoelectric Properties Through Sample-to-Sample Fluctuations in Near-Percolation Threshold Composite Materials. <i>Advanced Theory and Simulations</i> , 2021, 4, 2000284.	2.8	4
182	Breakdown of the Wiedemann-Franz law at the Lifshitz point of strained $\text{Sr}_2\text{RuO}_4$ . <i>Physical Review B</i> , 2022, 105, .	3.2	4
183	A new approach for perovskites in large dimensions. <i>Physica B: Condensed Matter</i> , 1996, 223-224, 602-604.	2.7	3
184	Doping dependence of the superconducting transition temperature in high-Tc systems. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996, 103, 145-147.	1.1	3
185	WEAK PSEUDOGAP BEHAVIOR IN THE UNDERDOPED CUPRATE SUPERCONDUCTORS. <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 1764-1768.	4.0	3
186	J-coupling in high temperature superconductors. <i>Molecular Physics</i> , 1998, 95, 897-906.	1.7	3
187	Universal scaling behavior in heavy electron materials. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 754-755.	2.7	3
188	Kondo-lattice screening in ad-wave superconductor. <i>Physical Review B</i> , 2008, 77, .	3.2	3
189	Strain tuning and anisotropic spin correlations in iron-based systems. <i>Physical Review B</i> , 2019, 100, .	3.2	3
190	Band engineering of Dirac cones in iron chalcogenides. <i>Physical Review B</i> , 2020, 102, .	3.2	3
191	Quantum discontinuity fixed point and renormalization group flow of the Sachdev-Ye-Kitaev model. <i>Physical Review Research</i> , 2021, 3, .	3.6	3
192	Theory for the transfer of weight in the electronic spectral density of strongly correlated systems. <i>Solid State Communications</i> , 1994, 89, 719-723.	1.9	2
193	Theory for the doping dependence of spin fluctuation induced shadow states in high-Tc superconductors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 212, 270-274.	2.1	2
194	Coherent quasiparticle evolution in charge transfer systems: A dynamical mean field theory. <i>Physica B: Condensed Matter</i> , 1997, 230-232, 415-417.	2.7	2
195	Electronic theory for bilayer effects in high-Tc superconductors. <i>Physica B: Condensed Matter</i> , 1997, 230-232, 948-951.	2.7	2
196	Interplane magnetic coupling effects in the multilattice compound $\text{Y}_2\text{Ba}_4\text{Cu}_7\text{O}_{15}$ . <i>Physical Review B</i> , 1999, 59, R685-R688.	3.2	2
197	Magnetic fluctuations in coupled inequivalent Hubbard layers as a model for. <i>European Physical Journal B</i> , 1999, 8, 195-205.	1.5	2
198	Doping dependence of the superconducting state of the cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 282-287, 1775-1776.	1.2	1

#	ARTICLE	IF	CITATIONS
199	Post-transient relaxation in graphene after an intense laser pulse. European Physical Journal: Special Topics, 2013, 222, 1263-1270.	2.6	1
200	FAILED THEORIES OF SUPERCONDUCTIVITY. , 2010, , 41-55.		1
201	Theory for the normal state properties of high-Tc superconductors: spectral density, magnetic phase-diagram, spin susceptibility.. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2153-2154.	1.2	0
202	Electronic theory for bilayer-effects in high-Tc superconductors. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1681-1682.	1.2	0
203	Superconductivity and dynamical short-range order in high-Tc systems. Physica B: Condensed Matter, 1997, 230-232, 922-924.	2.7	0
204	GRAPHENE: RELATIVISTIC TRANSPORT IN A NEARLY PERFECT QUANTUM LIQUID. , 2010, , .		0
205	Nematic Order and Fluctuations in Iron-Based Superconductors. Springer Series in Solid-state Sciences, 2017, , 53-114.	0.3	0