Je E Hirsch

List of Publications by Year
in descending order

257 papers	25,868 citations	20817 60 h-index	6654 156 g-index
269 all docs	269 docs citations	269 times ranked	14100 citing authors

#	Article	IF	Citations
1	An index to quantify an individual's scientific research output. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16569-16572.	7.1	7,912
2	Spin Hall Effect. Physical Review Letters, 1999, 83, 1834-1837.	7.8	2,602
3	Two-dimensional Hubbard model: Numerical simulation study. Physical Review B, 1985, 31, 4403-4419.	3.2	943
4	Does the <i>h</i> index have predictive power?. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19193-19198.	7.1	774
5	d-wave pairing near a spin-density-wave instability. Physical Review B, 1986, 34, 8190-8192.	3.2	754
6	Monte Carlo Method for Magnetic Impurities in Metals. Physical Review Letters, 1986, 56, 2521-2524.	7.8	688
7	Attractive Interaction and Pairing in Fermion Systems with Strong On-Site Repulsion. Physical Review Letters, 1985, 54, 1317-1320.	7.8	548
8	Monte Carlo simulations of one-dimensional fermion systems. Physical Review B, 1982, 26, 5033-5055.	3.2	454
9	Discrete Hubbard-Stratonovich transformation for fermion lattice models. Physical Review B, 1983, 28, 4059-4061.	3.2	388
10	Antiferromagnetism, localization, and pairing in a two-dimensional model forCuO2. Physical Review Letters, 1987, 59, 228-231.	7.8	381
11	Theory of intermittency. Physical Review A, 1982, 25, 519-532.	2.5	343
12	An index to quantify an individualâ€™s scientific research output that takes into account the effect of multiple coauthorship. Scientometrics, 2010, 85, 741-754.	3.0	301
13	Enhanced Superconductivity in Quasi Two-Dimensional Systems. Physical Review Letters, 1986, 56, 2732-2735.	7.8	266
14	Phase diagram of one-dimensional electron-phonon systems. I. The Su-Schrieffer-Heeger model. Physical Review B, 1983, 27, 1680-1697.	3.2	249
15	Superconducting state in an oxygen hole metal. Physical Review B, 1989, 39, 11515-11525.	3.2	236
16	Fermi-surface instabilities and superconductingd-wave pairing. Physical Review B, 1987, 35, 6694-6698.	3.2	225
17	Charge-Density-Wave to Spin-Density-Wave Transition in the Extended Hubbard Model. Physical Review Letters, 1984, 53, 2327-2330.	7.8	217
18	Bond-charge repulsion and hole superconductivity. Physica C: Superconductivity and Its Applications, 1989, 158, 326-336.	1.2	215

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19	Phase diagram of one-dimensional electron-phonon systems. II. The molecular-crystal model. Physical Review B, 1983, 27, 4302-4316.	3.2	211
20	Antiferromagnetism in the Two-Dimensional Hubbard Model. Physical Review Letters, 1989, 62, 591-594.	7.8	205
21	Effect of Coulomb Interactions on the Peierls Instability. Physical Review Letters, 1983, 51, 296-299.	7.8	200
22	Pairing interaction in two-dimensionalCuO2. Physical Review Letters, 1988, 60, 1668-1671.	7.8	197
23	Efficient Monte Carlo Procedure for Systems with Fermions. Physical Review Letters, 1981, 47, 1628-1631.	7.8	178
24	Hole superconductivity and the high-Tcoxides. Physical Review B, 1990, 41, 6435-6456.	3.2	178
25	Two-dimensional Hubbard model with nearest- and next-nearest-neighbor hopping. Physical Review B, 1987, 35, 3359-3368.	3.2	159
26	Hole superconductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 134, 451-455.	2.1	154
27	2pFand4pFinstabilities in a one-quarter-filled-band Hubbard model. Physical Review B, 1983, 27, 7169-7185.	3.2	128
28	Hole superconductivity in MgB2: a high Tc cuprate without Cu. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 282, 392-398.	2.1	122
29	Pairing interaction in CuO clusters. Physical Review B, 1989, 39, 243-253.	3.2	121
30	Apparent violation of the conductivity sum rule in certain superconductors. Physica C: Superconductivity and Its Applications, 1992, 199, 305-310.	1.2	115
31	Spin-wave theory of the quantum antiferromagnet with unbroken sublattice symmetry. Physical Review B, 1989, 40, 4769-4772.	3.2	113
32	Intermittency in the presence of noise: A renormalization group formulation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 87, 391-393.	2.1	110
33	Renormalization-group study of the Hubbard model. Physical Review B, 1980, 22, 5259-5266.	3.2	109
34	Effect of Quantum Fluctuations on the Peierls Instability: A Monte Carlo Study. Physical Review Letters, 1982, 49, 402-405.	7.8	109
35	Solitons in Polyacetylene: A Monte Carlo Study. Physical Review Letters, 1984, 52, 1713-1716.	7.8	108
36	2pFand4pFinstabilities in the one-dimensional Hubbard model. Physical Review B, 1984, 29, 5554-5561.	3.2	102

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37	Metallic ferromagnetism in a single-band model. Physical Review B, 1989, 40, 2354-2361.	3.2	96
38	Antiferromagnetic singlet pairs, high-frequency phonons, and superconductivity. Physical Review B, 1987, 35, 8726-8729.	3.2	95
39	The meaning of the h-index. International Journal of Clinical and Health Psychology, 2014, 14, 161-164.	5.1	93
40	Quantum Monte Carlo study of the two-impurity Kondo Hamiltonian. Physical Review B, 1989, 40, 4780-4796.	3.2	90
41	Pairing in the two-dimensional Hubbard model: A Monte Carlo study. Physical Review B, 1988, 37, 5070-5074.	3.2	88
42	Spin and charge correlations around an Anderson magnetic impurity. Physical Review B, 1987, 35, 8478-8485.	3.2	85
43	Simulations of the three-dimensional Hubbard model: Half-filled band sector. Physical Review B, 1987, 35, 1851-1859.	3.2	84
44	Peierls instability in the two-dimensional half-filled Hubbard model. Physical Review B, 1988, 37, 9546-9558.	3.2	84
45	Hole superconductivity in oxides: A two-band model. Physical Review B, 1991, 43, 424-434.	3.2	84
46	Phase diagram of the one-dimensional molecular-crystal model with Coulomb interactions: Half-filled-band sector. Physical Review B, 1985, 31, 6022-6031.	3.2	82
47	Monte Carlo study of the symmetric Anderson-impurity model. Physical Review B, 1988, 38, 433-441.	3.2	81
48	Long-range order without broken symmetry: Two-dimensional Heisenberg antiferromagnet at zero temperature. Physical Review B, 1989, 39, 4548-4553.	3.2	81
49	Superconductors that change color when they become superconducting. Physica C: Superconductivity and Its Applications, 1992, 201, 347-361.	1.2	80
50	Double-valence-fluctuating molecules and superconductivity. Physical Review B, 1985, 32, 5639-5643.	3.2	77
51	Kondo effect versus indirect exchange in the two-impurity Anderson model: A Monte Carlo study. Physical Review B, 1987, 35, 4901-4908.	3.2	75
52	Pairing in the two-dimensional Hubbard model: An exact diagonalization study. Physical Review B, 1988, 37, 7359-7367.	3.2	73
53	Monte Carlo Study of the Two-Dimensional Hubbard Model. Physical Review Letters, 1983, 51, 1900-1903.	7.8	72
54	Metallic ferromagnetism in a single-band model: Effect of band filling and Coulomb interactions. Physical Review B, 1996, 54, 6364-6375.	3.2	72

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55	Stable monte carlo algorithm for fermion lattice systems at low temperatures. Physical Review B, 1988, 38, 12023-12026.	3.2	68
56	Superconductivity in the elements, alloys and simple compounds. Physica C: Superconductivity and Its Applications, 2015, 514, 17-27.	1.2	68
57	Coulomb attraction between Bloch electrons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 138, 83-87.	2.1	63
58	Optical sum rule violation, superfluid weight, and condensation energy in the cuprates. Physical Review B, 2000, 62, 15131-15150.	3.2	62
59	Singular thermodynamic properties in random magnetic chains. Physical Review B, 1980, 22, 5339-5354.	3.2	60
60	Comment on a mean-field theory of quantum antiferromagnets. Physical Review B, 1989, 39, 2850-2851.	3.2	60
61	BCS theory of superconductivity: it is time to question its validity. Physica Scripta, 2009, 80, 035702.	2.5	58
62	Condensation transition in the one-dimensional extended Hubbard model. Physical Review B, 1986, 33, 8155-8163.	3.2	57
63	Metallic ferromagnetism in a single-band model. II. Finite-temperature magnetic properties. Physical Review B, 1989, 40, 9061-9069.	3.2	57
64	London penetration depth in hole superconductivity. Physical Review B, 1992, 45, 4807-4818.	3.2	57
65	Charge expulsion and electric field in superconductors. Physical Review B, 2003, 68, .	3.2	57
66	Effective interactions in an oxygen-hole metal. Physical Review B, 1989, 40, 2179-2186.	3.2	56
67	Dynamic Hubbard Model. Physical Review Letters, 2001, 87, 206402.	7.8	55
68	Hole superconductivity in oxides. Solid State Communications, 1989, 69, 987-989.	1.9	54
69	Superconducting materials classes: Introduction and overview. Physica C: Superconductivity and Its Applications, 2015, 514, 1-8.	1.2	54
70	Excitonic mechanism for superconductivity in a quasi-one-dimensional system. Physical Review B, 1985, 32, 117-134.	3.2	53
71	Sublattice-symmetric spin-wave theory for the Heisenberg antiferromagnet. Physical Review B, 1989, 40, 5000-5006.	3.2	53
72	hÎ±: An index to quantify an individualâ€™s scientific leadership. Scientometrics, 2019, 118, 673-686.	3.0	53

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73	Nonstandard superconductivity or no superconductivity in hydrides under high pressure. Physical Review B, 2021, 103, .	3.2	53
74	The origin of the Meissner effect in new and old superconductors. Physica Scripta, 2012, 85, 035704.	2.5	52
75	Two-dimensional Heisenberg antiferromagnet with next-nearest-neighbor coupling. Physical Review B, 1989, 39, 2887-2889.	3.2	51
76	Electron- and hole-hopping amplitudes in a diatomic molecule. Physical Review B, 1993, 48, 3327-3339.	3.2	51
77	Why holes are not like electrons: A microscopic analysis of the differences between holes and electrons in condensed matter. Physical Review B, 2002, 65, .	3.2	51
78	Electrodynamics of superconductors. Physical Review B, 2004, 69, .	3.2	51
79	Renormalization-group transformation for quantum lattice systems at zero temperature. Physical Review B, 1979, 19, 2656-2663.	3.2	49
80	2pFand4pFInstabilities in the One-Dimensional Electron Gas. Physical Review Letters, 1983, 50, 1168-1171.	7.8	49
81	SUPERCONDUCTIVITY: The True Colors of Cuprates. Science, 2002, 295, 2226-2227.	12.6	49
82	Superconductivity in an oxygen hole metal. Physical Review B, 1990, 41, 2049-2051.	3.2	47
83	Correlations between normal-state properties and superconductivity. Physical Review B, 1997, 55, 9007-9024.	3.2	47
84	Metallic ferromagnetism without exchange splitting. Physical Review B, 1999, 59, 6256-6265.	3.2	47
85	Electron-phonon or hole superconductivity in MgB2. Physical Review B, 2001, 64, .	3.2	46
86	Spin Meissner effect in superconductors and the origin of the Meissner effect. Europhysics Letters, 2008, 81, 67003.	2.0	46
87	Superconductivity from undressing. Physical Review B, 2000, 62, 14487-14497.	3.2	45
88	Hole superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>H</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:m and other sulfides under high pressure. Physica C: Superconductivity and Its Applications, 2015, 511, 45-49.	1.2	42
89	Low-temperature thermodynamic properties of a random anisotropic antiferromagnetic chain. Physical Review B, 1980, 22, 5355-5365.	3.2	41
90	On the dependence of superconducting Tc on carrier concentration. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 140, 122-126.	2.1	41

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91	Polaronic superconductivity in the absence of electron-hole symmetry. Physical Review B, 1993, 47, 5351-5358.	3.2	41
92	Where is 99% of the condensation energy of Tl2Ba2CuOy coming from?. Physica C: Superconductivity and Its Applications, 2000, 331, 150-156.	1.2	41
93	Mixed triplet and singlet pairing in ultracold multicomponent fermion systems with dipolar interactions. Physical Review B, 2010, 81, .	3.2	41
94	Metallic ferromagnetism in a single-band model. IV. Effect of pair hopping. Physical Review B, 1991, 43, 705-711.	3.2	39
95	Overlooked contribution to the Hall effect in ferromagnetic metals. Physical Review B, 1999, 60, 14787-14792.	3.2	39
96	Tunneling asymmetry: A test of superconductivity mechanisms. Physica C: Superconductivity and Its Applications, 1989, 159, 157-160.	1.2	38
97	Hole superconductivity in the dilute limit. Physica C: Superconductivity and Its Applications, 1990, 171, 554-560.	1.2	37
98	Unusual width of the superconducting transition in a hydride. Nature, 2021, 596, E9-E10.	27.8	37
99	Superconductivity in oxides: From strong to weak coupling. Physica C: Superconductivity and Its Applications, 1990, 165, 71-76.	1.2	36
100	Singlet pairs, covalent bonds, superexchange, and superconductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 136, 163-166.	2.1	35
101	Spin-split states in metals. Physical Review B, 1990, 41, 6820-6827.	3.2	34
102	Hole superconductivity in infinite-layer nickelates. Physica C: Superconductivity and Its Applications, 2019, 566, 1353534.	1.2	34
103	Slope of the superconducting gap function inBi2Sr2CaCu2O8+Î´measured by vacuum tunneling spectroscopy. Physical Review B, 1999, 59, 11962-11973.	3.2	33
104	Block-spin renormalization group in the large-nlimit. Physical Review B, 1983, 27, 1736-1744.	3.2	31
105	Strong-coupling expansion for a Kondo-lattice model. Physical Review B, 1984, 30, 5383-5385.	3.2	31
106	Consequences of charge imbalance in superconductors within the theory of hole superconductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 281, 44-47.	2.1	31
107	Electrodynamics of spin currents in superconductors. Annalen Der Physik, 2008, 17, 380-409.	2.4	31
108	Superconductors as giant atoms predicted by the theory of hole superconductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 309, 457-464.	2.1	29

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109	Metallic ferromagnetism in a band model: Intra-atomic versus interatomic exchange. Physical Review B, 1997, 56, 11022-11030.	3.2	28
110	The Lorentz force and superconductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 315, 474-479.	2.1	28
111	Renormalization-group study of a concentrated fluctuating-valence model. Physical Review B, 1982, 25, 6748-6759.	3.2	27
112	Hole superconductivity: The strong coupling limit. Physica C: Superconductivity and Its Applications, 1989, 161, 185-194.	1.2	27
113	Metallic ferromagnetism in a single-band model. III. One-dimensional half-filled band. Physical Review B, 1990, 42, 771-778.	3.2	27
114	Electron-hole asymmetry and superconductivity. Physical Review B, 2003, 68, .	3.2	27
115	Momentum of superconducting electrons and the explanation of the Meissner effect. Physical Review B, 2017, 95, .	3.2	27
116	Low-temperature thermodynamic properties of a random Heisenberg antiferromagnetic chain (S=1/2). Journal of Physics C: Solid State Physics, 1980, 13, L53-L60.	1.5	26
117	Electronic dynamic Hubbard model:â€‚Exact diagonalization study. Physical Review B, 2003, 67, .	3.2	26
118	The fundamental role of charge asymmetry in superconductivity. Journal of Physics and Chemistry of Solids, 2006, 67, 21-26.	4.0	26
119	Electromotive Forces and the Meissner Effect Puzzle. Journal of Superconductivity and Novel Magnetism, 2010, 23, 309-317.	1.8	26
120	Pairing of holes in a tight-binding model with repulsive Coulomb interactions. Physical Review B, 1991, 43, 11400-11403.	3.2	25
121	Why holes are not like electrons. II. The role of the electron-ion interaction. Physical Review B, 2005, 71, .	3.2	25
122	The missing angular momentum of superconductors. Journal of Physics Condensed Matter, 2008, 20, 235233.	1.8	25
123	Connection between world-line and determinantal functional-integral formulations of the Hubbard model. Physical Review B, 1986, 34, 3216-3220.	3.2	24
124	Bose decondensation versus pair unbinding in short-coherence-length superconductors. Physica C: Superconductivity and Its Applications, 1991, 179, 317-332.	1.2	24
125	Hole superconductivity in arsenicâ€"iron compounds. Physica C: Superconductivity and Its Applications, 2008, 468, 1047-1052.	1.2	24
126	Superconductivity and hydromagnetism. Physica B: Condensed Matter, 1990, 163, 291-298.	2.7	23

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127	Metallic ferromagnetism from kinetic-energy gain:â€ƒThe case ofEuB6. Physical Review B, 1999, 59, 436-442.	3.2	23
128	Quantum Monte Carlo and exact diagonalization study of a dynamic Hubbard model. Physical Review B, 2002, 65, .	3.2	23
129	Superconductivity from undressing. II. Single-particle Greenâ€™s function and photoemission in cuprates. Physical Review B, 2000, 62, 14498-14510.	3.2	22
130	Predicted Electric Field near Small Superconducting Ellipsoids. Physical Review Letters, 2004, 92, 016402.	7.8	22
131	Spontaneous electrostatic potential in spin-split metals. Physical Review B, 1990, 42, 4774-4775.	3.2	21
132	Quasiparticle undressing in a dynamic Hubbard model: Exact diagonalization study. Physical Review B, 2002, 66, .	3.2	21
133	Do superconductors violate Lenz's law? Body rotation under field cooling and theoretical implications. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 366, 615-619.	2.1	21
134	KINETIC ENERGY DRIVEN SUPERCONDUCTIVITY, THE ORIGIN OF THE MEISSNER EFFECT, AND THE REDUCTIONIST FRONTIER. International Journal of Modern Physics B, 2011, 25, 1173-1200.	2.0	21
135	Approximate mapping of the two-impurity symmetric Anderson model in the local-moment regime to a classical problem. Physical Review B, 1982, 25, 3273-3282.	3.2	20
136	Monte Carlo versus Langevin methods for nonpositive definite weights. Physical Review B, 1986, 34, 1964-1967.	3.2	20
137	Empirical estimate of Coulomb matrix element of relevance to superconductivity. Chemical Physics Letters, 1990, 171, 161-166.	2.6	20
138	Role of reduction process in the transport properties of electron-doped oxide superconductors. Physica C: Superconductivity and Its Applications, 1995, 243, 319-326.	1.2	19
139	Spin currents in superconductors. Physical Review B, 2005, 71, .	3.2	19
140	The London moment: what a rotating superconductor reveals about superconductivity. Physica Scripta, 2014, 89, 015806.	2.5	19
141	Inconsistency of the conventional theory of superconductivity. Europhysics Letters, 2020, 130, 17006.	2.0	19
142	Superconductivity from retarded interactions in the presence of electron-hole asymmetry. Physical Review B, 1994, 49, 1366-1375.	3.2	18
143	Ferromagnetism from undressing. Physical Review B, 2000, 62, 14131-14139.	3.2	18
144	Real-space dynamic renormalization group. III. Calculation of correlation functions. Physical Review B, 1981, 23, 1431-1446.	3.2	17

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145	Dynamic correlation functions in quantum systems: A Monte Carlo algorithm. Physical Review B, 1983, 28, 5353-5356.	3.2	17
146	Ferromagnetism in metallic hydrogen. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 141, 191-195.	2.1	17
147	Normal state properties of high-Tc oxides. Physica C: Superconductivity and Its Applications, 1992, 195, 355-366.	1.2	17
148	Tunneling and thermoelectric effect in generalized tunnel junctions in the presence of electron-hole asymmetry. Physical Review B, 1994, 50, 3165-3180.	3.2	17
149	Pairing in a tight-binding model with occupation-dependent hopping rate: Exact diagonalization study. Physical Review B, 1995, 52, 16155-16164.	3.2	17
150	Renormalization-group calculation for the two-dimensional square Ising model in a transverse magnetic field. Physical Review B, 1979, 20, 3907-3912.	3.2	16
151	Weak ferromagnetism in a band model: Application toSc3In. Physical Review B, 1991, 44, 675-685.	3.2	16
152	Physical properties of disordered linear chains: A Monte Carlo approach. Physical Review B, 1976, 14, 2433-2441.	3.2	15
153	Simulations of the Hubbard model. Journal of Statistical Physics, 1986, 43, 841-859.	1.2	15
154	Magnetic properties of a degenerate Anderson impurity. Physical Review B, 1988, 37, 1864-1873.	3.2	15
155	Reply to "Comment on `Peierls instability in the two-dimensional half-filler Hubbard model' ". Physical Review B, 1989, 39, 12327-12328.	3.2	15
156	WHY HOLES ARE NOT LIKE ELECTRONS III: HOW HOLES IN THE NORMAL STATE TURN INTO ELECTRONS IN THE SUPERCONDUCTING STATE. International Journal of Modern Physics B, 2009, 23, 3035-3057.	2.0	15
157	Materials and mechanisms of hole superconductivity. Physica C: Superconductivity and Its Applications, 2012, 472, 78-82.	1.2	15
158	The disappearing momentum of the supercurrent in the superconductor-to-normal phase transformation. Europhysics Letters, 2016, 114, 57001.	2.0	15
159	Pairing and Charge-Density-Wave Correlations in a One-Dimensional Electron-Exciton Model. Physical Review Letters, 1984, 53, 706-709.	7.8	14
160	Chromium: A possible spin-split metal. Physical Review B, 1990, 41, 6828-6835.	3.2	14
161	Electron- and hole-hopping amplitudes in a diatomic molecule. II. Effect of radial correlations. Physical Review B, 1993, 48, 3340-3348.	3.2	14
162	Electron-Hole Asymmetry is the Key to Superconductivity. International Journal of Modern Physics B, 2003, 17, 3236-3241.	2.0	14

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163	Explanation of the Tao Effect: Theory for the Spherical Aggregation of Superconducting Microparticles in an Electric Field. Physical Review Letters, 2005, 94, 187001.	7.8	14
164	Clear evidence against superconductivity in hydrides under high pressure. Matter and Radiation at Extremes, 2022, 7, .	3.9	14
165	Coherence effects in hole superconductivity. Physical Review B, 1991, 44, 11960-11970.	3.2	13
166	Superconductivity in the transition-metal series. Physical Review B, 1992, 46, 14702-14712.	3.2	13
167	Dynamics of the normalâ€“superconductor phase transition and the puzzle of the Meissner effect. Annals of Physics, 2015, 362, 1-23.	2.8	13
168	On the reversibility of the Meissner effect and the angular momentum puzzle. Annals of Physics, 2016, 373, 230-244.	2.8	13
169	On the dynamics of the Meissner effect. Physica Scripta, 2016, 91, 035801.	2.5	13
170	Entropy generation and momentum transfer in the superconductorâ€“normal and normalâ€“superconductor phase transformations and the consistency of the conventional theory of superconductivity. International Journal of Modern Physics B, 2018, 32, 1850158.	2.0	13
171	Dynamical Correlation Functions in the Two-Dimensional Kinetic Ising Model: A Real-Space Renormalization-Group Approach. Physical Review Letters, 1980, 44, 1083-1086.	7.8	12
172	Spin susceptibilities of a one-dimensional disordered quantum Heisenberg antiferromagnet. Physical Review B, 1985, 32, 7320-7324.	3.2	12
173	Electron- and hole-hopping amplitudes in a diatomic molecule. III.porbitals. Physical Review B, 1993, 48, 9815-9824.	3.2	12
174	Thermoelectric power of superconductive tunnel junctions. Physical Review Letters, 1994, 72, 558-561.	7.8	12
175	Charge Expulsion, Spin Meissner Effect, and Charge Inhomogeneity in Superconductors. Journal of Superconductivity and Novel Magnetism, 2009, 22, 131-139.	1.8	12
176	Spin-split states in aromatic molecules and superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3777-3783.	2.1	12
177	KINETIC ENERGY DRIVEN SUPERCONDUCTIVITY AND SUPERFLUIDITY. Modern Physics Letters B, 2011, 25, 2219-2237.	1.9	12
178	Charge expulsion, charge inhomogeneity, and phase separation in dynamic Hubbard models. Physical Review B, 2013, 87, .	3.2	12
179	Understanding electron-doped cuprate superconductors as hole superconductors. Physica C: Superconductivity and Its Applications, 2019, 564, 29-37.	1.2	12
180	Hole superconductivity xOr hot hydride superconductivity. Journal of Applied Physics, 2021, 130, .	2.5	12

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181	Thermoelectric effect in superconductive tunnel junctions. Physical Review B, 1998, 58, 8727-8737.	3.2	11
182	Dynamic Hubbard model: Effect of finite boson frequency. Physical Review B, 2003, 68, .	3.2	11
183	Hole core in superconductors and the origin of the Spin Meissner effect. Physica C: Superconductivity and Its Applications, 2010, 470, 635-639.	1.2	11
184	Two-site dynamical mean field theory for the dynamic Hubbard model. Physical Review B, 2010, 82, .	3.2	11
185	Effect of orbital relaxation on the band structure of cuprate superconductors and implications for the superconductivity mechanism. Physical Review B, 2014, 90, .	3.2	11
186	The Bohr superconductor. Europhysics Letters, 2016, 113, 37001.	2.0	11
187	Comment on â€œRoom-temperature superconductivity in a carbonaceous sulfur hydrideâ€• by Elliot Snider et al.. Europhysics Letters, 2022, 137, 36001.	2.0	11
188	Faulty evidence for superconductivity in ac magnetic susceptibility of sulfur hydride under pressure. National Science Review, 2022, 9, .	9.5	11
189	Effect of local potential variations in the model of hole superconductivity. Physica C: Superconductivity and Its Applications, 1992, 194, 119-125.	1.2	10
190	Dynamic Hubbard model: kinetic energy driven charge expulsion, charge inhomogeneity, hole superconductivity and Meissner effect. Physica Scripta, 2013, 88, 035704.	2.5	10
191	Interaction between localized moments in metals: A Monte Carlo study. Physical Review B, 1987, 35, 4943-4947.	3.2	9
192	Mechanism of metallic ferromagnetism. Journal of Applied Physics, 1990, 67, 4549-4551.	2.5	9
193	Hole superconductivity in a generalized two-band model. Physical Review B, 1992, 45, 12556-12560.	3.2	9
194	Reply to â€œComment on â€˜Charge expulsion and electric field in superconductorsâ€™ â€• Physical Review B, 2004, 70, .	3.2	9
195	Why non-superconducting metallic elements become superconducting under high pressure. Physica C: Superconductivity and Its Applications, 2010, 470, S937-S939.	1.2	9
196	Kinetic energy driven superfluidity and superconductivity and the origin of the Meissner effect. Physica C: Superconductivity and Its Applications, 2013, 493, 18-23.	1.2	9
197	Superconducting Materials: the Whole Story. Journal of Superconductivity and Novel Magnetism, 2020, 33, 61-68.	1.8	9
198	Why is photoemission better than inverse photoemission for studying high-Tc oxides?. Physica C: Superconductivity and Its Applications, 1991, 182, 277-284.	1.2	8

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