

Je E Hirsch

List of Publications by Year in descending order

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257
papers

25,868
citations

20759

60
h-index

6630

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.	3.3	7,912
2	Spin Hall Effect. Physical Review Letters, 1999, 83, 1834-1837.	2.9	2,602
3	Two-dimensional Hubbard model: Numerical simulation study. Physical Review B, 1985, 31, 4403-4419.	1.1	943
4	Does the $\langle i \rangle \langle j \rangle$ index have predictive power?. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19193-19198.	3.3	774
5	d-wave pairing near a spin-density-wave instability. Physical Review B, 1986, 34, 8190-8192.	1.1	754
6	Monte Carlo Method for Magnetic Impurities in Metals. Physical Review Letters, 1986, 56, 2521-2524.	2.9	688
7	Attractive Interaction and Pairing in Fermion Systems with Strong On-Site Repulsion. Physical Review Letters, 1985, 54, 1317-1320.	2.9	548
8	Monte Carlo simulations of one-dimensional fermion systems. Physical Review B, 1982, 26, 5033-5055.	1.1	454
9	Discrete Hubbard-Stratonovich transformation for fermion lattice models. Physical Review B, 1983, 28, 4059-4061.	1.1	388
10	Antiferromagnetism, localization, and pairing in a two-dimensional model for CuO ₂ . Physical Review Letters, 1987, 59, 228-231.	2.9	381
11	Theory of intermittency. Physical Review A, 1982, 25, 519-532.	1.0	343
12	An index to quantify an individual's scientific research output that takes into account the effect of multiple coauthorship. Scientometrics, 2010, 85, 741-754.	1.6	301
13	Enhanced Superconductivity in Quasi Two-Dimensional Systems. Physical Review Letters, 1986, 56, 2732-2735.	2.9	266
14	Phase diagram of one-dimensional electron-phonon systems. I. The Su-Schrieffer-Heeger model. Physical Review B, 1983, 27, 1680-1697.	1.1	249
15	Superconducting state in an oxygen hole metal. Physical Review B, 1989, 39, 11515-11525.	1.1	236
16	Fermi-surface instabilities and superconducting d-wave pairing. Physical Review B, 1987, 35, 6694-6698.	1.1	225
17	Charge-Density-Wave to Spin-Density-Wave Transition in the Extended Hubbard Model. Physical Review Letters, 1984, 53, 2327-2330.	2.9	217
18	Bond-charge repulsion and hole superconductivity. Physica C: Superconductivity and Its Applications, 1989, 158, 326-336.	0.6	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.	1.1	211
20	Antiferromagnetism in the Two-Dimensional Hubbard Model. Physical Review Letters, 1989, 62, 591-594.	2.9	205
21	Effect of Coulomb Interactions on the Peierls Instability. Physical Review Letters, 1983, 51, 296-299.	2.9	200
22	Pairing interaction in two-dimensional CuO ₂ . Physical Review Letters, 1988, 60, 1668-1671.	2.9	197
23	Efficient Monte Carlo Procedure for Systems with Fermions. Physical Review Letters, 1981, 47, 1628-1631.	2.9	178
24	Hole superconductivity and the high-Tc oxides. Physical Review B, 1990, 41, 6435-6456.	1.1	178
25	Two-dimensional Hubbard model with nearest- and next-nearest-neighbor hopping. Physical Review B, 1987, 35, 3359-3368.	1.1	159
26	Hole superconductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 134, 451-455.	0.9	154
27	2p and 4p instabilities in a one-quarter-filled-band Hubbard model. Physical Review B, 1983, 27, 7169-7185.	1.1	128
28	Hole superconductivity in MgB ₂ : a high T _c cuprate without Cu. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 282, 392-398.	0.9	122
29	Pairing interaction in CuO clusters. Physical Review B, 1989, 39, 243-253.	1.1	121
30	Apparent violation of the conductivity sum rule in certain superconductors. Physica C: Superconductivity and Its Applications, 1992, 199, 305-310.	0.6	115
31	Spin-wave theory of the quantum antiferromagnet with unbroken sublattice symmetry. Physical Review B, 1989, 40, 4769-4772.	1.1	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.	0.9	110
33	Renormalization-group study of the Hubbard model. Physical Review B, 1980, 22, 5259-5266.	1.1	109
34	Effect of Quantum Fluctuations on the Peierls Instability: A Monte Carlo Study. Physical Review Letters, 1982, 49, 402-405.	2.9	109
35	Solitons in Polyacetylene: A Monte Carlo Study. Physical Review Letters, 1984, 52, 1713-1716.	2.9	108
36	2p and 4p instabilities in the one-dimensional Hubbard model. Physical Review B, 1984, 29, 5554-5561.	1.1	102

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37	Metallic ferromagnetism in a single-band model. <i>Physical Review B</i> , 1989, 40, 2354-2361.	1.1	96
38	Antiferromagnetic singlet pairs, high-frequency phonons, and superconductivity. <i>Physical Review B</i> , 1987, 35, 8726-8729.	1.1	95
39	The meaning of the h-index. <i>International Journal of Clinical and Health Psychology</i> , 2014, 14, 161-164.	2.7	93
40	Quantum Monte Carlo study of the two-impurity Kondo Hamiltonian. <i>Physical Review B</i> , 1989, 40, 4780-4796.	1.1	90
41	Pairing in the two-dimensional Hubbard model: A Monte Carlo study. <i>Physical Review B</i> , 1988, 37, 5070-5074.	1.1	88
42	Spin and charge correlations around an Anderson magnetic impurity. <i>Physical Review B</i> , 1987, 35, 8478-8485.	1.1	85
43	Simulations of the three-dimensional Hubbard model: Half-filled band sector. <i>Physical Review B</i> , 1987, 35, 1851-1859.	1.1	84
44	Peierls instability in the two-dimensional half-filled Hubbard model. <i>Physical Review B</i> , 1988, 37, 9546-9558.	1.1	84
45	Hole superconductivity in oxides: A two-band model. <i>Physical Review B</i> , 1991, 43, 424-434.	1.1	84
46	Phase diagram of the one-dimensional molecular-crystal model with Coulomb interactions: Half-filled-band sector. <i>Physical Review B</i> , 1985, 31, 6022-6031.	1.1	82
47	Monte Carlo study of the symmetric Anderson-impurity model. <i>Physical Review B</i> , 1988, 38, 433-441.	1.1	81
48	Long-range order without broken symmetry: Two-dimensional Heisenberg antiferromagnet at zero temperature. <i>Physical Review B</i> , 1989, 39, 4548-4553.	1.1	81
49	Superconductors that change color when they become superconducting. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 201, 347-361.	0.6	80
50	Double-valence-fluctuating molecules and superconductivity. <i>Physical Review B</i> , 1985, 32, 5639-5643.	1.1	77
51	Kondo effect versus indirect exchange in the two-impurity Anderson model: A Monte Carlo study. <i>Physical Review B</i> , 1987, 35, 4901-4908.	1.1	75
52	Pairing in the two-dimensional Hubbard model: An exact diagonalization study. <i>Physical Review B</i> , 1988, 37, 7359-7367.	1.1	73
53	Monte Carlo Study of the Two-Dimensional Hubbard Model. <i>Physical Review Letters</i> , 1983, 51, 1900-1903.	2.9	72
54	Metallic ferromagnetism in a single-band model: Effect of band filling and Coulomb interactions. <i>Physical Review B</i> , 1996, 54, 6364-6375.	1.1	72

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55	Stable monte carlo algorithm for fermion lattice systems at low temperatures. Physical Review B, 1988, 38, 12023-12026.	1.1	68
56	Superconductivity in the elements, alloys and simple compounds. Physica C: Superconductivity and Its Applications, 2015, 514, 17-27.	0.6	68
57	Coulomb attraction between Bloch electrons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 138, 83-87.	0.9	63
58	Optical sum rule violation, superfluid weight, and condensation energy in the cuprates. Physical Review B, 2000, 62, 15131-15150.	1.1	62
59	Singular thermodynamic properties in random magnetic chains. Physical Review B, 1980, 22, 5339-5354.	1.1	60
60	Comment on a mean-field theory of quantum antiferromagnets. Physical Review B, 1989, 39, 2850-2851.	1.1	60
61	BCS theory of superconductivity: it is time to question its validity. Physica Scripta, 2009, 80, 035702.	1.2	58
62	Condensation transition in the one-dimensional extended Hubbard model. Physical Review B, 1986, 33, 8155-8163.	1.1	57
63	Metallic ferromagnetism in a single-band model. II. Finite-temperature magnetic properties. Physical Review B, 1989, 40, 9061-9069.	1.1	57
64	London penetration depth in hole superconductivity. Physical Review B, 1992, 45, 4807-4818.	1.1	57
65	Charge expulsion and electric field in superconductors. Physical Review B, 2003, 68, .	1.1	57
66	Effective interactions in an oxygen-hole metal. Physical Review B, 1989, 40, 2179-2186.	1.1	56
67	Dynamic Hubbard Model. Physical Review Letters, 2001, 87, 206402.	2.9	55
68	Hole superconductivity in oxides. Solid State Communications, 1989, 69, 987-989.	0.9	54
69	Superconducting materials classes: Introduction and overview. Physica C: Superconductivity and Its Applications, 2015, 514, 1-8.	0.6	54
70	Excitonic mechanism for superconductivity in a quasi-one-dimensional system. Physical Review B, 1985, 32, 117-134.	1.1	53
71	Sublattice-symmetric spin-wave theory for the Heisenberg antiferromagnet. Physical Review B, 1989, 40, 5000-5006.	1.1	53
72	h^{\pm} : An index to quantify an individual's scientific leadership. Scientometrics, 2019, 118, 673-686.	1.6	53

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73	Nonstandard superconductivity or no superconductivity in hydrides under high pressure. Physical Review B, 2021, 103, .	1.1	53
74	The origin of the Meissner effect in new and old superconductors. Physica Scripta, 2012, 85, 035704.	1.2	52
75	Two-dimensional Heisenberg antiferromagnet with next-nearest-neighbor coupling. Physical Review B, 1989, 39, 2887-2889.	1.1	51
76	Electron- and hole-hopping amplitudes in a diatomic molecule. Physical Review B, 1993, 48, 3327-3339.	1.1	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, .	1.1	51
78	Electrodynamics of superconductors. Physical Review B, 2004, 69, .	1.1	51
79	Renormalization-group transformation for quantum lattice systems at zero temperature. Physical Review B, 1979, 19, 2656-2663.	1.1	49
80	2pFand4pFInstabilities in the One-Dimensional Electron Gas. Physical Review Letters, 1983, 50, 1168-1171.	2.9	49
81	SUPERCONDUCTIVITY: The True Colors of Cuprates. Science, 2002, 295, 2226-2227.	6.0	49
82	Superconductivity in an oxygen hole metal. Physical Review B, 1990, 41, 2049-2051.	1.1	47
83	Correlations between normal-state properties and superconductivity. Physical Review B, 1997, 55, 9007-9024.	1.1	47
84	Metallic ferromagnetism without exchange splitting. Physical Review B, 1999, 59, 6256-6265.	1.1	47
85	Electron-phonon or hole superconductivity in MgB2. Physical Review B, 2001, 64, .	1.1	46
86	Spin Meissner effect in superconductors and the origin of the Meissner effect. Europhysics Letters, 2008, 81, 67003.	0.7	46
87	Superconductivity from undressing. Physical Review B, 2000, 62, 14487-14497.	1.1	45
88	Hole superconductivity in Cu_2S and other sulfides under high pressure. Physica C: Superconductivity and Its Applications, 2015, 511, 45-49.	0.6	42
89	Low-temperature thermodynamic properties of a random anisotropic antiferromagnetic chain. Physical Review B, 1980, 22, 5355-5365.	1.1	41
90	On the dependence of superconducting T_c on carrier concentration. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 140, 122-126.	0.9	41

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91	Polaronic superconductivity in the absence of electron-hole symmetry. Physical Review B, 1993, 47, 5351-5358.	1.1	41
92	Where is 99% of the condensation energy of Tl ₂ Ba ₂ CuO _y coming from?. Physica C: Superconductivity and Its Applications, 2000, 331, 150-156.	0.6	41
93	Mixed triplet and singlet pairing in ultracold multicomponent fermion systems with dipolar interactions. Physical Review B, 2010, 81, .	1.1	41
94	Metallic ferromagnetism in a single-band model. IV. Effect of pair hopping. Physical Review B, 1991, 43, 705-711.	1.1	39
95	Overlooked contribution to the Hall effect in ferromagnetic metals. Physical Review B, 1999, 60, 14787-14792.	1.1	39
96	Tunneling asymmetry: A test of superconductivity mechanisms. Physica C: Superconductivity and Its Applications, 1989, 159, 157-160.	0.6	38
97	Hole superconductivity in the dilute limit. Physica C: Superconductivity and Its Applications, 1990, 171, 554-560.	0.6	37
98	Unusual width of the superconducting transition in a hydride. Nature, 2021, 596, E9-E10.	13.7	37
99	Superconductivity in oxides: From strong to weak coupling. Physica C: Superconductivity and Its Applications, 1990, 165, 71-76.	0.6	36
100	Singlet pairs, covalent bonds, superexchange, and superconductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 136, 163-166.	0.9	35
101	Spin-split states in metals. Physical Review B, 1990, 41, 6820-6827.	1.1	34
102	Hole superconductivity in infinite-layer nickelates. Physica C: Superconductivity and Its Applications, 2019, 566, 1353534.	0.6	34
103	Slope of the superconducting gap function in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} measured by vacuum tunneling spectroscopy. Physical Review B, 1999, 59, 11962-11973.	1.1	33
104	Block-spin renormalization group in the large-n limit. Physical Review B, 1983, 27, 1736-1744.	1.1	31
105	Strong-coupling expansion for a Kondo-lattice model. Physical Review B, 1984, 30, 5383-5385.	1.1	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.	0.9	31
107	Electrodynamics of spin currents in superconductors. Annalen Der Physik, 2008, 17, 380-409.	0.9	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.	0.9	29

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109	Metallic ferromagnetism in a band model: Intra-atomic versus interatomic exchange. <i>Physical Review B</i> , 1997, 56, 11022-11030.	1.1	28
110	The Lorentz force and superconductivity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 315, 474-479.	0.9	28
111	Renormalization-group study of a concentrated fluctuating-valence model. <i>Physical Review B</i> , 1982, 25, 6748-6759.	1.1	27
112	Hole superconductivity: The strong coupling limit. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 161, 185-194.	0.6	27
113	Metallic ferromagnetism in a single-band model. III. One-dimensional half-filled band. <i>Physical Review B</i> , 1990, 42, 771-778.	1.1	27
114	Electron-hole asymmetry and superconductivity. <i>Physical Review B</i> , 2003, 68, .	1.1	27
115	Momentum of superconducting electrons and the explanation of the Meissner effect. <i>Physical Review B</i> , 2017, 95, .	1.1	27
116	Low-temperature thermodynamic properties of a random Heisenberg antiferromagnetic chain ($S=1/2$). <i>Journal of Physics C: Solid State Physics</i> , 1980, 13, L53-L60.	1.5	26
117	Electronic dynamic Hubbard model: Exact diagonalization study. <i>Physical Review B</i> , 2003, 67, .	1.1	26
118	The fundamental role of charge asymmetry in superconductivity. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 21-26.	1.9	26
119	Electromotive Forces and the Meissner Effect Puzzle. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010, 23, 309-317.	0.8	26
120	Pairing of holes in a tight-binding model with repulsive Coulomb interactions. <i>Physical Review B</i> , 1991, 43, 11400-11403.	1.1	25
121	Why holes are not like electrons. II. The role of the electron-ion interaction. <i>Physical Review B</i> , 2005, 71, .	1.1	25
122	The missing angular momentum of superconductors. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 235233.	0.7	25
123	Connection between world-line and determinantal functional-integral formulations of the Hubbard model. <i>Physical Review B</i> , 1986, 34, 3216-3220.	1.1	24
124	Bose decondensation versus pair unbinding in short-coherence-length superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 179, 317-332.	0.6	24
125	Hole superconductivity in arsenic-iron compounds. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 1047-1052.	0.6	24
126	Superconductivity and hydromagnetism. <i>Physica B: Condensed Matter</i> , 1990, 163, 291-298.	1.3	23

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127	Metallic ferromagnetism from kinetic-energy gain: The case of EuB ₆ . <i>Physical Review B</i> , 1999, 59, 436-442.	1.1	23
128	Quantum Monte Carlo and exact diagonalization study of a dynamic Hubbard model. <i>Physical Review B</i> , 2002, 65, .	1.1	23
129	Superconductivity from undressing. II. Single-particle Green's function and photoemission in cuprates. <i>Physical Review B</i> , 2000, 62, 14498-14510.	1.1	22
130	Predicted Electric Field near Small Superconducting Ellipsoids. <i>Physical Review Letters</i> , 2004, 92, 016402.	2.9	22
131	Spontaneous electrostatic potential in spin-split metals. <i>Physical Review B</i> , 1990, 42, 4774-4775.	1.1	21
132	Quasiparticle undressing in a dynamic Hubbard model: Exact diagonalization study. <i>Physical Review B</i> , 2002, 66, .	1.1	21
133	Do superconductors violate Lenz's law? Body rotation under field cooling and theoretical implications. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 366, 615-619.	0.9	21
134	KINETIC ENERGY DRIVEN SUPERCONDUCTIVITY, THE ORIGIN OF THE MEISSNER EFFECT, AND THE REDUCTIONIST FRONTIER. <i>International Journal of Modern Physics B</i> , 2011, 25, 1173-1200.	1.0	21
135	Approximate mapping of the two-impurity symmetric Anderson model in the local-moment regime to a classical problem. <i>Physical Review B</i> , 1982, 25, 3273-3282.	1.1	20
136	Monte Carlo versus Langevin methods for nonpositive definite weights. <i>Physical Review B</i> , 1986, 34, 1964-1967.	1.1	20
137	Empirical estimate of Coulomb matrix element of relevance to superconductivity. <i>Chemical Physics Letters</i> , 1990, 171, 161-166.	1.2	20
138	Role of reduction process in the transport properties of electron-doped oxide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1995, 243, 319-326.	0.6	19
139	Spin currents in superconductors. <i>Physical Review B</i> , 2005, 71, .	1.1	19
140	The London moment: what a rotating superconductor reveals about superconductivity. <i>Physica Scripta</i> , 2014, 89, 015806.	1.2	19
141	Inconsistency of the conventional theory of superconductivity. <i>Europhysics Letters</i> , 2020, 130, 17006.	0.7	19
142	Superconductivity from retarded interactions in the presence of electron-hole asymmetry. <i>Physical Review B</i> , 1994, 49, 1366-1375.	1.1	18
143	Ferromagnetism from undressing. <i>Physical Review B</i> , 2000, 62, 14131-14139.	1.1	18
144	Real-space dynamic renormalization group. III. Calculation of correlation functions. <i>Physical Review B</i> , 1981, 23, 1431-1446.	1.1	17

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145	Dynamic correlation functions in quantum systems: A Monte Carlo algorithm. <i>Physical Review B</i> , 1983, 28, 5353-5356.	1.1	17
146	Ferromagnetism in metallic hydrogen. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1989, 141, 191-195.	0.9	17
147	Normal state properties of high-Tc oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 195, 355-366.	0.6	17
148	Tunneling and thermoelectric effect in generalized tunnel junctions in the presence of electron-hole asymmetry. <i>Physical Review B</i> , 1994, 50, 3165-3180.	1.1	17
149	Pairing in a tight-binding model with occupation-dependent hopping rate: Exact diagonalization study. <i>Physical Review B</i> , 1995, 52, 16155-16164.	1.1	17
150	Renormalization-group calculation for the two-dimensional square Ising model in a transverse magnetic field. <i>Physical Review B</i> , 1979, 20, 3907-3912.	1.1	16
151	Weak ferromagnetism in a band model: Application to Sc ₃ In. <i>Physical Review B</i> , 1991, 44, 675-685.	1.1	16
152	Physical properties of disordered linear chains: A Monte Carlo approach. <i>Physical Review B</i> , 1976, 14, 2433-2441.	1.1	15
153	Simulations of the Hubbard model. <i>Journal of Statistical Physics</i> , 1986, 43, 841-859.	0.5	15
154	Magnetic properties of a degenerate Anderson impurity. <i>Physical Review B</i> , 1988, 37, 1864-1873.	1.1	15
155	Reply to "Comment on 'Peierls instability in the two-dimensional half-filler Hubbard model' ". <i>Physical Review B</i> , 1989, 39, 12327-12328.	1.1	15
156	WHY HOLES ARE NOT LIKE ELECTRONS III: HOW HOLES IN THE NORMAL STATE TURN INTO ELECTRONS IN THE SUPERCONDUCTING STATE. <i>International Journal of Modern Physics B</i> , 2009, 23, 3035-3057.	1.0	15
157	Materials and mechanisms of hole superconductivity. <i>Physica C: Superconductivity and Its Applications</i> , 2012, 472, 78-82.	0.6	15
158	The disappearing momentum of the supercurrent in the superconductor-to-normal phase transformation. <i>Europhysics Letters</i> , 2016, 114, 57001.	0.7	15
159	Pairing and Charge-Density-Wave Correlations in a One-Dimensional Electron-Exciton Model. <i>Physical Review Letters</i> , 1984, 53, 706-709.	2.9	14
160	Chromium: A possible spin-split metal. <i>Physical Review B</i> , 1990, 41, 6828-6835.	1.1	14
161	Electron- and hole-hopping amplitudes in a diatomic molecule. II. Effect of radial correlations. <i>Physical Review B</i> , 1993, 48, 3340-3348.	1.1	14
162	Electron-Hole Asymmetry is the Key to Superconductivity. <i>International Journal of Modern Physics B</i> , 2003, 17, 3236-3241.	1.0	14

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163	Explanation of the Tao Effect: Theory for the Spherical Aggregation of Superconducting Microparticles in an Electric Field. <i>Physical Review Letters</i> , 2005, 94, 187001.	2.9	14
164	Clear evidence against superconductivity in hydrides under high pressure. <i>Matter and Radiation at Extremes</i> , 2022, 7, .	1.5	14
165	Coherence effects in hole superconductivity. <i>Physical Review B</i> , 1991, 44, 11960-11970.	1.1	13
166	Superconductivity in the transition-metal series. <i>Physical Review B</i> , 1992, 46, 14702-14712.	1.1	13
167	Dynamics of the normalâ€“superconductor phase transition and the puzzle of the Meissner effect. <i>Annals of Physics</i> , 2015, 362, 1-23.	1.0	13
168	On the reversibility of the Meissner effect and the angular momentum puzzle. <i>Annals of Physics</i> , 2016, 373, 230-244.	1.0	13
169	On the dynamics of the Meissner effect. <i>Physica Scripta</i> , 2016, 91, 035801.	1.2	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. <i>International Journal of Modern Physics B</i> , 2018, 32, 1850158.	1.0	13
171	Dynamical Correlation Functions in the Two-Dimensional Kinetic Ising Model: A Real-Space Renormalization-Group Approach. <i>Physical Review Letters</i> , 1980, 44, 1083-1086.	2.9	12
172	Spin susceptibilities of a one-dimensional disordered quantum Heisenberg antiferromagnet. <i>Physical Review B</i> , 1985, 32, 7320-7324.	1.1	12
173	Electron- and hole-hopping amplitudes in a diatomic molecule. III. orbitals. <i>Physical Review B</i> , 1993, 48, 9815-9824.	1.1	12
174	Thermoelectric power of superconductive tunnel junctions. <i>Physical Review Letters</i> , 1994, 72, 558-561.	2.9	12
175	Charge Expulsion, Spin Meissner Effect, and Charge Inhomogeneity in Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009, 22, 131-139.	0.8	12
176	Spin-split states in aromatic molecules and superconductors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 3777-3783.	0.9	12
177	KINETIC ENERGY DRIVEN SUPERCONDUCTIVITY AND SUPERFLUIDITY. <i>Modern Physics Letters B</i> , 2011, 25, 2219-2237.	1.0	12
178	Charge expulsion, charge inhomogeneity, and phase separation in dynamic Hubbard models. <i>Physical Review B</i> , 2013, 87, .	1.1	12
179	Understanding electron-doped cuprate superconductors as hole superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2019, 564, 29-37.	0.6	12
180	Hole superconductivity xOr hot hydride superconductivity. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	12

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181	Thermoelectric effect in superconductive tunnel junctions. <i>Physical Review B</i> , 1998, 58, 8727-8737.	1.1	11
182	Dynamic Hubbard model: Effect of finite boson frequency. <i>Physical Review B</i> , 2003, 68, .	1.1	11
183	Hole core in superconductors and the origin of the Spin Meissner effect. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 635-639.	0.6	11
184	Two-site dynamical mean field theory for the dynamic Hubbard model. <i>Physical Review B</i> , 2010, 82, .	1.1	11
185	Effect of orbital relaxation on the band structure of cuprate superconductors and implications for the superconductivity mechanism. <i>Physical Review B</i> , 2014, 90, .	1.1	11
186	The Bohr superconductor. <i>Europhysics Letters</i> , 2016, 113, 37001.	0.7	11
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