

# Hideo Aoki

## List of Publications by Year in descending order

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364  
papers

15,645  
citations

26610

56  
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369  
docs citations

369  
times ranked

9576  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unconventional Pairing Originating from the Disconnected Fermi Surfaces of Superconducting $\text{LaFeAsO}$ . Physical Review Letters, 2008, 101, 087004.	13.9	1,551
2	Photovoltaic Hall effect in graphene. Physical Review B, 2009, 79, .	1.1	1,008
3	Electric-field-induced superconductivity in an insulator. Nature Materials, 2008, 7, 855-858.	13.3	864
4	Pnictogen height as a possible switch between high- $T_c$ and low- $T_c$ pairings in the iron-based superconductors. Physical Review B, 2009, 79, .	1.1	615
5	First-Principles Interatomic Potential of Silica Applied to Molecular Dynamics. Physical Review Letters, 1988, 61, 869-872.	2.9	571
6	Nonequilibrium dynamical mean-field theory and its applications. Reviews of Modern Physics, 2014, 86, 779-837.	16.4	529
7	Discovery of superconductivity in $\text{KTaO}_3$ by electrostatic carrier doping. Nature Nanotechnology, 2011, 6, 408-412.	15.6	400
8	Light-induced collective pseudospin precession resonating with Higgs mode in a superconductor. Science, 2014, 345, 1145-1149.	6.0	363
9	Effect of localization on the hall conductivity in the two-dimensional system in strong magnetic fields. Solid State Communications, 1981, 38, 1079-1082.	0.9	349
10	Brillouin-Wigner theory for high-frequency expansion in periodically driven systems: Application to Floquet topological insulators. Physical Review B, 2016, 93, .	1.1	233
11	Critical localization in two-dimensional Landau quantization. Physical Review Letters, 1985, 54, 831-834.	2.9	205
12	Metal-intercalated aromatic hydrocarbons: a new class of carbon-based superconductors. Physical Chemistry Chemical Physics, 2011, 13, 16476.	1.3	198
13	New pressure-induced structural transformations in silica obtained by computer simulation. Nature, 1989, 339, 209-211.	13.7	192
14	Topological analysis of the quantum Hall effect in graphene: Dirac-Fermi transition across van Hove singularities and edge versus bulk quantum numbers. Physical Review B, 2006, 74, .	1.1	176
15	Quantum Faraday and Kerr rotations in graphene. Nature Communications, 2013, 4, 1841.	5.8	167
16	Correlated electron systems periodically driven out of equilibrium: Floquet DMFT. Physical Review B, 2008, 78, .	1.1	148
17	Critical behaviour of extended states in disordered systems. Journal of Physics C: Solid State Physics, 1983, 16, L205-L208.	1.5	145
18	Quantised Hall effect. Reports on Progress in Physics, 1987, 50, 655-730.	8.1	140

#	ARTICLE	IF	CITATIONS
19	Breakdown of a Mott Insulator: A Nonadiabatic Tunneling Mechanism. Physical Review Letters, 2003, 91, 066406.	2.9	140
20	Two-Orbital Model Explains the Higher Transition Temperature of the Single-Layer Hg-Cuprate Superconductor Compared to That of the La-Cuprate Superconductor. Physical Review Letters, 2010, 105, 057003.	2.9	140
21	Superconductivity and a Possibility of Cuprate-like Pairing in a New Nickelate Superconductor		

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37	Electronic Structure and Electron Correlation in LaFeAsO <sub>1-x</sub> F <sub>x</sub> and LaFePO <sub>1-x</sub> F <sub>x</sub> . Journal of the Physical Society of Japan, 2008, 77, 093714.	0.7	84
38	Hofstadter Butterfly and Integer Quantum Hall Effect in Three Dimensions. Physical Review Letters, 2001, 86, 1062-1065.	2.9	83
39	Origin of the material dependence of $T_c$ in the single-layered cuprates. Physical Review B, 2012, 85, .	1.1	82
40	Fractal dimensionality of wave functions at the mobility edge: Quantum fractal in the Landau levels. Physical Review B, 1986, 33, 7310-7313.	1.1	80
41	Phase diagram of the two-dimensional extended Hubbard model: Phase transitions between different pairing symmetries when charge and spin fluctuations coexist. Physical Review B, 2004, 70, .	1.1	76
42	Polarization-resolved terahertz third-harmonic generation in a single-crystal superconductor NbN: Dominance of the Higgs mode beyond the BCS approximation. Physical Review B, 2017, 96, .	1.1	76
43	Spin-fluctuation exchange study of superconductivity in two- and three-dimensional single-band Hubbard models. Physical Review B, 1999, 60, 14585-14588.	1.1	74
44	First-Principles Electronic Structure of Solid Picene. Journal of the Physical Society of Japan, 2009, 78, 113704.	0.7	73
45	First-principles design of a half-filled flat band of the kagome lattice in two-dimensional metal-organic frameworks. Physical Review B, 2016, 94, .	1.1	72
46	Electronic structure of periodic curved surfaces: Topological band structure. Physical Review B, 2001, 65, .	1.1	69
47	Phase diagram for the one-dimensional Hubbard-Holstein model: A density-matrix renormalization group study. Physical Review B, 2007, 76, .	1.1	67
48	Phase diagram and pair Tomonaga-Luttinger liquid in a Bose-Hubbard model with flat bands. Physical Review A, 2013, 88, .	1.0	67
49	Interaction quench in the Holstein model: Thermalization crossover from electron- to phonon-dominated relaxation. Physical Review B, 2015, 91, .	1.1	61
50	Superconductivity in repulsively interacting fermions on a diamond chain: Flat-band-induced pairing. Physical Review B, 2016, 94, .	1.1	61
51	Anderson localization in a two dimensional electron system under strong magnetic fields. Solid State Communications, 1977, 21, 45-47.	0.9	60
52	Ferromagnetic spin-wave theory in the multiband Hubbard model having a flat band. Physical Review Letters, 1994, 72, 144-147.	2.9	60
53	d- and p-Wave Superconductivity Mediated by Spin Fluctuations in Two- and Three-Dimensional Single-Band Repulsive Hubbard Model. Journal of the Physical Society of Japan, 2000, 69, 1181-1191.	0.7	60
54	Crib-shaped triplet-pairing gap function for an orthogonal pair of quasi-one-dimensional Fermi surfaces in Sr <sub>2</sub> RuO <sub>4</sub> . Physical Review B, 2001, 63, .	1.1	60

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55	Gate-Induced Band Ferromagnetism in an Organic Polymer. <i>Physical Review Letters</i> , 2002, 88, 127202.	2.9	60
56	Cyclotron radiation and emission in graphene. <i>Physical Review B</i> , 2008, 78, .	1.1	59
57	Real-space renormalisation-group theory for Anderson localisation: decimation method for electron systems. <i>Journal of Physics C: Solid State Physics</i> , 1980, 13, 3369-3386.	1.5	56
58	Numerical algorithm for the double-orbital Hubbard model: Hund-coupled pairing symmetry in the doped case. <i>Physical Review B</i> , 2004, 70, .	1.1	56
59	Accessing Surface Brillouin Zone and Band Structure of Picene Single Crystals. <i>Physical Review Letters</i> , 2012, 108, 226401.	2.9	55
60	Synthesis and physical properties of metal-doped picene solids. <i>Physical Review B</i> , 2012, 86, .	1.1	55
61	Probing and controlling spin chirality in Mott insulators by circularly polarized laser. <i>Physical Review B</i> , 2017, 96, .	1.1	55
62	First-principles structural optimization and electronic structure of the superconductor picene for various potassium doping levels. <i>Physical Review B</i> , 2011, 84, .	1.1	54
63	Magic numbers and optical-absorption spectrum in vertically coupled quantum dots in the fractional quantum Hall regime. <i>Physical Review B</i> , 1996, 53, 12613-12616.	1.1	53
64	Half-integer contributions to the quantum Hall conductivity from single Dirac cones. <i>Physical Review B</i> , 2010, 82, .	1.1	52
65	Dielectric breakdown in a Mott insulator: Many-body Schwinger-Landau-Zener mechanism studied with a generalized Bethe ansatz. <i>Physical Review B</i> , 2010, 81, .	1.1	52
66	Ordered phases in the Holstein-Hubbard model: Interplay of strong Coulomb interaction and electron-phonon coupling. <i>Physical Review B</i> , 2013, 88, .	1.1	52
67	Theoretical Possibilities for Flat Band Superconductivity. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 2341-2346.	0.8	52
68	FLEX+DMFT approach to the d-wave superconducting phase diagram of the two-dimensional Hubbard model. <i>Physical Review B</i> , 2015, 92, .	1.1	51
69	Vertically coupled double quantum dots in magnetic fields. <i>Physical Review B</i> , 1999, 59, 5817-5825.	1.1	49
70	Magnetization and phase transition induced by circularly polarized laser in quantum magnets. <i>Physical Review B</i> , 2014, 90, .	1.1	49
71	Universality of Quantum Hall Effect: Topological Invariant and Observable. <i>Physical Review Letters</i> , 1986, 57, 3093-3096.	2.9	47
72	Determination of pairing symmetry from magnetotunneling spectroscopy: A case study for quasi-one-dimensional organic superconductors. <i>Physical Review B</i> , 2002, 66, .	1.1	47

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73	Electric Properties of Dirac Fermions Captured into 3D Nanoporous Graphene Networks. <i>Advanced Materials</i> , 2016, 28, 10304-10310.	11.1	47
74	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{I} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -pairing superfluid in periodically-driven fermionic Hubbard model with strong attraction. <i>Physical Review B</i> , 2016, 94, .	1.1	47
75	The Hubbard Model for the Structurally Random System. <i>Journal of the Physical Society of Japan</i> , 1976, 40, 6-12.	0.7	45
76	Spin blockade in single and double quantum dots in magnetic fields: $\hat{\epsilon}fA$ correlation effect. <i>Physical Review B</i> , 1998, 57, R4257-R4260.	1.1	44
77	Density-Matrix Renormalization Group Study of Pairing when Electron-Electron and Electron-Phonon Interactions Coexist: Effect of the Electronic Band Structure. <i>Physical Review Letters</i> , 2005, 95, 226401.	2.9	44
78	Repulsion-to-attraction transition in correlated electron systems triggered by a monocycle pulse. <i>Physical Review B</i> , 2012, 85, .	1.1	44
79	Theory of light-induced resonances with collective Higgs and Leggett modes in multiband superconductors. <i>Physical Review B</i> , 2017, 95, .	1.1	44
80	Polar surface engineering in ultrathin $\text{MgO}(111)\hat{\wedge}\text{Ag}(111)$ : Possibility of a metal-insulator transition and magnetism. <i>Physical Review B</i> , 2004, 69, .	1.1	43
81	Three-dimensional porous graphene networks expand graphene-based electronic device applications. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6024-6033.	1.3	43
82	Nonlinear light $\hat{\wedge}$ Higgs coupling in superconductors beyond BCS: Effects of the retarded phonon-mediated interaction. <i>Physical Review B</i> , 2016, 94, .	1.1	41
83	Why the critical temperature of high- $T_c$ cuprate superconductors is so low: The importance of the dynamical vertex structure. <i>Physical Review B</i> , 2019, 99, .	1.1	41
84	Computer simulation of two-dimensional disordered electron systems in strong magnetic fields. <i>Journal of Physics C: Solid State Physics</i> , 1977, 10, 2583-2593.	1.5	40
85	Quantum Monte Carlo study of the pairing correlation in the Hubbard ladder. <i>Physical Review B</i> , 1996, 54, R15641-R15644.	1.1	40
86	Jahn-Teller-effect mediated superconductivity in oxides. <i>Solid State Communications</i> , 1987, 63, 665-669.	0.9	39
87	Generation of spin-polarized currents in Zeeman-split Tomonaga-Luttinger models. <i>Physical Review B</i> , 1996, 53, 9572-9575.	1.1	38
88	Quantum Monte Carlo study for multiorbital systems with preserved spin and orbital rotational symmetries. <i>Physical Review B</i> , 2006, 74, .	1.1	38
89	Metal-Induced Gap States at Well Defined Alkali-Halide/Metal Interfaces. <i>Physical Review Letters</i> , 2003, 90, 196803.	2.9	37
90	Quantum Hall Plateau Transition in Graphene with Spatially Correlated Random Hopping. <i>Physical Review Letters</i> , 2009, 103, 156804.	2.9	37

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91	<i>Ab initio</i> electronic structure of solid coronene: Differences from and commonalities to picene. <i>Physical Review B</i> , 2011, 84, .	1.1	37
92	Multiple amplitude modes in strongly coupled phonon-mediated superconductors. <i>Physical Review B</i> , 2016, 93, .	1.1	37
93	Effect of coexistence of random potential and electron-electron interaction in two-dimensional systems: Wigner glass. <i>Journal of Physics C: Solid State Physics</i> , 1979, 12, 633-645.	1.5	36
94	Landau quantization of electrons on a sphere. <i>Physical Review A</i> , 1992, 46, R1163-R1166.	1.0	36
95	Composite-Fermion Picture for the Spin-Wave Excitation in the Fractional Quantum Hall System. <i>Physical Review Letters</i> , 1994, 73, 3568-3571.	2.9	36
96	Critical localization and low-temperature transport in two-dimensional Landau quantization. <i>Surface Science</i> , 1986, 170, 249-255.	0.8	35
97	Off-Site Repulsion-Induced Triplet Superconductivity: A Possibility for Chiral $p_x + y$ -Wave Pairing in $\text{Sr}_2\text{RuO}_4$ . <i>Physical Review Letters</i> , 2004, 92, 247006.	2.9	34
98	Collective modes in multiband superfluids and superconductors: Multiple dynamical classes. <i>Physical Review B</i> , 2011, 83, .	1.1	34
99	Multiorbital analysis of the effects of uniaxial and hydrostatic pressure on $T_c$ in the single-layered cuprate superconductors. <i>Physical Review B</i> , 2012, 86, .	1.1	34
100	Intermediate low spin states in a few-electron quantum dot in the $\nu = 1/2$ regime. <i>Physical Review B</i> , 2006, 74, .	1.1	33
101	Orbital mixture effect on the Fermi-surface $T_c$ in the cuprate superconductors: Bilayer vs. single layer. <i>Physical Review B</i> , 2014, 89, .	2.9	33
102	Aharonov-Bohm Effect for the Quantum Hall Conductivity on a Disordered Lattice. <i>Physical Review Letters</i> , 1985, 55, 1136-1139.	2.9	31
103	Density-matrix renormalization-group study of the spin gap in a one-dimensional Hubbard model: Effect of the distant transfer and exchange coupling. <i>Physical Review B</i> , 1998, 57, 10324-10327.	1.1	31
104	Temperature-Dependent Magnetotransport around $T_c$ in $\text{ZnO}$ Heterostructures. <i>Physical Review Letters</i> , 2012, 108, 186803.	2.9	31
105	Real-space renormalisation approach to the Anderson localisation. <i>Solid State Communications</i> , 1979, 31, 999-1002.	0.9	30
106	Enhancement of the $d_{x^2-y^2}$ pairing correlation in the two-dimensional Hubbard model: A quantum Monte Carlo study. <i>Physical Review B</i> , 1997, 56, R14287-R14290.	1.1	30
107	Ferromagnetism in a Hubbard model for an atomic quantum wire: A realization of flat-band magnetism from even-membered rings. <i>Physical Review B</i> , 1998, 57, R6854-R6857.	1.1	30
108	Generalized chiral symmetry and stability of zero modes for tilted Dirac cones. <i>Physical Review B</i> , 2011, 83, .	1.1	30

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109	Intra- and interstate interactions in Anderson-localised states. Journal of Physics C: Solid State Physics, 1979, 12, 4801-4815.	1.5	29
110	Novel Landau level laser in the quantum Hall regime. Applied Physics Letters, 1986, 48, 559-560.	1.5	29
111	Correlation functions in the three-chain Hubbard ladder. Physical Review B, 1996, 54, R9608-R9611.	1.1	29
112	Electronic structure of an electron on the gyroid surface: A helical labyrinth. Physical Review B, 2005, 71, .	1.1	29
113	Tight-binding photonic bands in metallophotonic waveguide networks and flat bands in kagome lattices. Physical Review B, 2010, 81, .	1.1	29
114	New class of flat-band models on tetragonal and hexagonal lattices: Gapped versus crossing flat bands. Physical Review B, 2017, 96, .	1.1	29
115	Topological aspects of graphene. European Physical Journal: Special Topics, 2007, 148, 133-141.	1.2	28
116	Metallic ferromagnetism in the two-band Hubbard model. Physica B: Condensed Matter, 1994, 194-196, 217-218.	1.3	27
117	Quantum Monte Carlo Evidence for Superconductivity in the Three-Band Hubbard Model in Two Dimensions. Physical Review Letters, 1996, 76, 4400-4403.	2.9	27
118	Crystallization of a classical two-dimensional electron system: Positional and orientational orders. Physical Review B, 1999, 59, 14911-14914.	1.1	27
119	Electronic properties of alkali-metal loaded zeolites: Supercrystal Mott insulators. Physical Review B, 2004, 69, .	1.1	27
120	Numerical Study of a Superconductor-Insulator Transition in a Half-Filled Hubbard Chain with Distant Transfers. Journal of the Physical Society of Japan, 1997, 66, 3371-3374.	0.7	26
121	Itinerant Ferromagnetism in the Multiorbital Hubbard Model: A Dynamical Mean-Field Study. Physical Review Letters, 2007, 99, 216402.	2.9	26
122	Transport properties of two-dimensional disordered electron systems in strong magnetic fields. Journal of Physics C: Solid State Physics, 1978, 11, 3823-3834.	1.5	25
123	Integer quantum Hall effect in isotropic three-dimensional crystals. Physical Review B, 2003, 67, .	1.1	25
124	Nonequilibrium dynamical cluster theory. Physical Review B, 2014, 90, .	1.1	24
125	Interplay of Pomeranchuk instability and superconductivity in the two-dimensional repulsive Hubbard model. Physical Review B, 2017, 95, .	1.1	24
126	Pairing and non-Fermi liquid behavior in partially flat-band systems: Beyond nesting physics. Physical Review B, 2020, 101, .	1.1	24



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127	High-Spin States in the Hubbard Model: Generalized Hund's Coupling and a Crossover to StrongURegime. Journal of the Physical Society of Japan, 1992, 61, 1165-1168.	0.7	23
128	Electron-correlation-originated negative magnetoresistance in a system having a partly flat band. Physical Review B, 2000, 61, 3207-3210.	1.1	23
129	Flat-band ferromagnetism in organic polymers designed by a computer simulation. Physical Review B, 2003, 68, .	1.1	23
130	Edge states in graphene in magnetic fields: A specialty of the edge mode embedded in the $\nu = 0$ Landau band. Physical Review B, 2008, 78, .	1.1	23
131	Decimation method of real-space renormalization for electron systems with application to random systems. Physica A: Statistical Mechanics and Its Applications, 1982, 114, 538-542.	1.2	22
132	Photoinduced Tomonaga-Luttinger-like liquid in a Mott insulator. Physical Review B, 2008, 78, .	1.1	22
133	A Consistent Description of the Pairing Symmetry in Hole and Electron Doped Cuprates Within the Two-Dimensional Hubbard Model. Journal of the Physical Society of Japan, 1998, 67, 1533-1536.	0.7	21
134	Phase diagram for the Hofstadter butterfly and integer quantum Hall effect in three dimensions. Physical Review B, 2002, 65, .	1.1	21
135	Electronic structure of stacked C60 shuttles. Chemical Physics Letters, 2004, 399, 157-161.	1.2	21
136	Faraday rotation in bilayer and trilayer graphene in the quantum Hall regime. Physical Review B, 2012, 86, .	1.1	21
137	Gauge-transformation study of the quantised Hall effect. Journal of Physics C: Solid State Physics, 1982, 15, L1227-L1233.	1.5	20
138	Gauge transformation study of two-dimensional localisation in magnetic fields. Journal of Physics C: Solid State Physics, 1983, 16, 1893-1900.	1.5	20
139	Realization of negative-U superconductivity in a class of purely repulsive systems: Interacting carrier and insulating bands. Physical Review Letters, 1992, 69, 3820-3823.	2.9	20
140	Phase diagram of the extended attractive Hubbard model in one dimension. Physical Review B, 1994, 50, 575-578.	1.1	20
141	Robustness of the ferromagnetism in flat bands. Physica B: Condensed Matter, 1994, 194-196, 215-216.	1.3	20
142	Large orbital magnetic moments in carbon nanotubes generated by resonant transport. Physical Review B, 2007, 75, .	1.1	20
143	Superconductivity assisted by interlayer pair hopping in multilayered cuprates. Physical Review B, 2013, 88, .	1.1	20
144	Biexciton on a one-dimensional lattice. Physical Review B, 1995, 52, 8980-8991.	1.1	19

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145	Metal-induced gap states in epitaxial organic-insulator/metal interfaces. <i>Physical Review B</i> , 2005, 72, .	1.1	19
146	Flat bands in the Weaire–Thorpe model and silicene. <i>New Journal of Physics</i> , 2015, 17, 025009.	1.2	19
147	Possible high- $T_c$ superconductivity due to incipient narrow bands originating from hidden ladders in Ruddlesden-Popper compounds. <i>Physical Review B</i> , 2017, 96, .	1.1	19
148	Numerical study of two-dimensional Wigner glass in strong magnetic fields. <i>Surface Science</i> , 1978, 73, 281-290.	0.8	18
149	Link between the spin fluctuation and Fermi surface in high- $T_c$ cuprates: A consistent description within the single-band Hubbard model. <i>Physical Review B</i> , 1999, 60, 9850-9854.	1.1	18
150	Superconductivity in a two-band Hubbard model. <i>Physical Review B</i> , 1990, 42, 2125-2136.	1.1	17
151	Superconductivity in a repulsively interacting two-band Fermi gas. <i>Physical Review Letters</i> , 1994, 72, 2947-2950.	2.9	17
152	Manipulation of the Dirac cones and the anomaly in the graphene related quantum Hall effect. <i>Journal of Physics: Conference Series</i> , 2011, 334, 012044.	0.3	17
153	Chiral symmetry and its manifestation in optical responses in graphene: interaction and multilayers. <i>New Journal of Physics</i> , 2013, 15, 035023.	1.2	17
154	Superconducting mechanism for the cuprate $\text{BaBiO}_3$ based on a multiorbital Lieb lattice model. <i>Physical Review Research</i> , 2020, 2, .	1.3	17
155	Magnetic Properties of the Hubbard Model on Three-Dimensional Lattices: Fluctuation-Exchange and Two-Particle Self-Consistent Studies. <i>Journal of the Physical Society of Japan</i> , 2000, 69, 785-795.	0.7	16
156	Unconventional pairing originating from disconnected Fermi surfaces in the iron-based superconductor. <i>New Journal of Physics</i> , 2009, 11, 025017.	1.2	16
157	Decimation study of the interplay of strong electron-electron interactions and disorder. <i>Journal of Physics C: Solid State Physics</i> , 1986, 19, 725-738.	1.5	15
158	The quantum Hall effect in anomalous band structures. <i>Surface Science</i> , 1992, 263, 137-140.	0.8	15
159	Multifractality of the quantum Hall wave functions in higher Landau levels. <i>Physical Review B</i> , 1996, 54, 10350-10353.	1.1	15
160	Wrapping current versus bulk integer quantum Hall effect in three dimensions. <i>Physical Review B</i> , 2002, 66, .	1.1	15
161	Proposal for a magnetic field induced graphene dot. <i>Journal of Physics: Conference Series</i> , 2010, 245, 012030.	0.3	15
162	Supersolid states in a spin system: Phase diagram and collective excitations. <i>Physical Review B</i> , 2013, 88, .	1.1	15

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163	Damping of the collective amplitude mode in superconductors with strong electron-phonon coupling. <i>Physical Review B</i> , 2016, 94, .	1.1	15
164	Lattice-Gas Theory of Order-Disorder Transitions in the First-Stage Graphite-Alkali Intercalation Compounds. <i>Journal of the Physical Society of Japan</i> , 1980, 49, 870-877.	0.7	14
165	Pairing Correlation in the Three-Leg Hubbard Ladder â€“ Renormalization Group and Quantum Monte Carlo Studies. <i>Journal of the Physical Society of Japan</i> , 1998, 67, 1377-1390.	0.7	14
166	Superconductivity in repulsive electron systems with three-dimensional disconnected Fermi surfaces. <i>Physical Review B</i> , 2003, 68, .	1.1	14
167	Superconductivity in frustrated systems. <i>Journal of Physics Condensed Matter</i> , 2004, 16, V1-V5.	0.7	14
168	Possibility of superconductivity in the repulsive Hubbard model on the Shastry-Sutherland lattice. <i>Physical Review B</i> , 2004, 69, .	1.1	14
169	Exact supersymmetry in the relativistic hydrogen atom in general dimensionsâ€™ supercharge and the generalized Johnson-Lippmann operator. <i>Journal of Mathematical Physics</i> , 2006, 47, 032301.	0.5	14
170	Phase-separated ferromagnetism in a spin-imbalanced system of Fermi atoms loaded in an optical ladder: A density-matrix renormalization-group study. <i>Physical Review A</i> , 2011, 83, .	1.0	14
171	All Optical Measurement Proposed for the Photovoltaic Hall Effect. <i>Journal of Physics: Conference Series</i> , 2011, 334, 012060.	0.3	14
172	One-dimensional exciton in a two-band tight-binding model with long-range interactions. <i>Physical Review B</i> , 1993, 47, 7594-7597.	1.1	13
173	Detection of Pairing from the Extended Aharonov-Bohm Period in Strongly Correlated Electron Systems. <i>Journal of the Physical Society of Japan</i> , 1996, 65, 2772-2775.	0.7	13
174	Symmetry of $\tilde{\text{molecular}}^{\text{TM}}$ configurations of interacting electrons in a quantum dot in strong magnetic fields. <i>Physica B: Condensed Matter</i> , 1998, 249-251, 214-219.	1.3	13
175	Image-potential band-gap narrowing at a metal/semiconductor interface. <i>Physical Review B</i> , 2001, 64, .	1.1	13
176	Flat-band ferromagnetism in undoped and doped polyaminotriazole crystal. <i>Physical Review B</i> , 2003, 68, .	1.1	13
177	Electronic properties of metal-induced gap states at insulator/metal interfaces: Dependence on the alkali halide and the possibility of excitonic mechanism of superconductivity. <i>Physical Review B</i> , 2004, 69, .	1.1	13
178	Supersolid Phase Accompanied by a Quantum Critical Point in the Intermediate Coupling Regime of the Holstein Model. <i>Physical Review Letters</i> , 2014, 113, 266404.	2.9	13
179	Electronic structure of disordered intrinsic semiconductor and s-d systems: Two-band localisation. <i>Journal of Physics C: Solid State Physics</i> , 1981, 14, 2771-2784.	1.5	12
180	Unconventional pairing originating from disconnected Fermi surfaces in the iron-based superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 635-639.	0.6	12

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181	Dynamical scaling analysis of the optical Hall conductivity in the quantum Hall regime. Physical Review B, 2010, 82, .	1.1	12
182	Spin Hall effect in iron-based superconductors: A Dirac-point effect. Physical Review B, 2012, 86, .	1.1	12
183	Magneto-orbital effect without spin-orbit interactions in a noncentrosymmetric zeolite-templated carbon structure. Physical Review B, 2012, 86, .	1.1	12
184	Two-dimensional localisation of electrons on a lattice in magnetic fields. Journal of Physics C: Solid State Physics, 1985, 18, L67-L71.	1.5	11
185	Superconductivity in metal-insulator composite bands: A realization of negative-Upairing in purely repulsive systems. Physical Review B, 1993, 48, 7598-7617.	1.1	11
186	Spin-twist-driven persistent current in a strongly correlated two-dimensional electron system: A manifestation of the gauge field. Physical Review B, 1995, 52, R8684-R8687.	1.1	11
187	Flat-band ferromagnetism induced by off-site repulsions. Physical Review B, 1998, 57, 10609-10612.	1.1	11
188	Excitation Spectrum and Effective Mass of the Even-Fraction Quantum Hall Liquid. Physical Review Letters, 2000, 84, 3942-3945.	2.9	11
189	Effective-mass staircase and the Fermi-liquid parameters for the fractional quantum Hall composite fermions. Physical Review B, 2001, 64, .	1.1	11
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