

Amnon Aharony

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Theory of Chirality Induced Spin Selectivity: Progress and Challenges. <i>Advanced Materials</i> , 2022, 34, e2106629.	11.1	119
2	Different critical behaviors in perovskites with a structural phase transition from cubic-to-trigonal and cubic-to-tetragonal symmetry. <i>Physical Review B</i> , 2022, 105, .	1.1	12
3	Edge Reconstruction of a Time-Reversal Invariant Insulator: Compressible-Incompressible Stripes. <i>Physical Review Letters</i> , 2022, 128, 186801.	2.9	1
4	Bi- and tetracritical phase diagrams in three dimensions. <i>Low Temperature Physics</i> , 2022, 48, 483-491.	0.2	4
5	Magnetoconductance Anisotropies and Aharonov-Casher Phases. <i>Physical Review Letters</i> , 2022, 129, .	2.9	3
6	Comment on "Spin-orbit interaction and spin selectivity for tunneling electron transfer in DNA". <i>Physical Review B</i> , 2021, 103, .	1.1	11
7	Topological states and interplay between spin-orbit and Zeeman interactions in a spinful Su-Schrieffer-Heeger nanowire. <i>Physical Review B</i> , 2021, 104, .	1.1	6
8	Spin selectivity through time-reversal symmetric helical junctions. <i>Physical Review B</i> , 2020, 102, .	1.1	34
9	Magnetization generated by microwave-induced Rashba interaction. <i>Physical Review B</i> , 2020, 102, .	1.1	4
10	Photovoltaic effect generated by spin-orbit interactions. <i>Physical Review B</i> , 2020, 101, .	1.1	6
11	Effects of magnetic fields on the Datta-Das spin field-effect transistor. <i>Physical Review B</i> , 2020, 102, .	1.1	6
12	DC spin generation by junctions with AC driven spin-orbit interaction. <i>Physical Review B</i> , 2019, 100, .	1.1	5
13	Is Telegraph Noise A Good Model for the Environment of Mesoscopic Systems?. <i>Journal of Statistical Physics</i> , 2019, 175, 704-724.	0.5	5
14	Possible observation of Berry phase in Aharonov Bohm rings of InGaAs. <i>Solid-State Electronics</i> , 2019, 155, 117-122.	0.8	1
15	Effects of Different Lead Magnetizations on the Datta-Das Spin Field-Effect Transistor. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11094-11100.	1.5	5
16	Spin geometric phases in hopping magnetoconductance. <i>Physical Review Research</i> , 2019, 1, .	1.3	6
17	Mechanically driven spin-orbit-active weak links. <i>Low Temperature Physics</i> , 2018, 44, 1228-1231.	0.2	2
18	Control of the two-electron exchange interaction in a nanowire double quantum dot. <i>Physical Review B</i> , 2018, 98, .	1.1	11

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19	Rashba proximity states in superconducting tunnel junctions. <i>Low Temperature Physics</i> , 2018, 44, 543-551.	0.2	0
20	Electric and magnetic gating of Rashba-active weak links. <i>Physical Review B</i> , 2018, 97, .	1.1	10
21	AC transport and full-counting statistics of molecular junctions in the weak electron-vibration coupling regime. <i>Journal of Chemical Physics</i> , 2017, 146, .	1.2	10
22	Rashba spin-splitting of single electrons and Cooper pairs. <i>Low Temperature Physics</i> , 2017, 43, 303-319.	0.2	5
23	Photo-spintronics of spin-orbit active electric weak links. <i>Low Temperature Physics</i> , 2017, 43, 910-913.	0.2	2
24	Thermoelectricity near Anderson localization transitions. <i>Physical Review B</i> , 2017, 96, .	1.1	31
25	Spin filtering in all-electrical three-terminal interferometers. <i>Physical Review B</i> , 2017, 95, .	1.1	26
26	Heat currents in electronic junctions driven by telegraph noise. <i>Physical Review B</i> , 2017, 96, .	1.1	12
27	Spin precession in spin-orbit coupled weak links: Coulomb repulsion and Pauli quenching. <i>Physical Review B</i> , 2017, 96, .	1.1	2
28	Efficiency bounds on thermoelectric transport in magnetic fields: The role of inelastic processes. <i>Physical Review B</i> , 2016, 94, .	1.1	43
29	Spin-dependent transport through a chiral molecule in the presence of spin-orbit interaction and nonunitary effects. <i>Physical Review B</i> , 2016, 93, .	1.1	107
30	Transient probing of the symmetry and the asymmetry of electron interference. <i>Physical Review B</i> , 2016, 93, .	1.1	13
31	Rashba Splitting of Cooper Pairs. <i>Physical Review Letters</i> , 2016, 116, 217001.	2.9	21
32	Temporal evolution of resonant transmission under telegraph noise. <i>Physical Review B</i> , 2016, 94, .	1.1	17
33	Enhanced performance of joint cooling and energy production. <i>Physical Review B</i> , 2015, 91, .	1.1	53
34	Spin-polarized dynamic transport in tubular two-dimensional electron gases. <i>Physical Review B</i> , 2014, 90, .	1.1	2
35	Renormalization of Competing Interactions and Superconductivity on Small Scales. <i>Journal of Statistical Physics</i> , 2014, 157, 979-989.	0.5	1
36	Real-time dynamics of spin-dependent transport through a double-quantum-dot Aharonov-Bohm interferometer with spin-orbit interaction. <i>Physical Review B</i> , 2014, 90, .	1.1	9

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37	Mechanically controlled spin-selective transport. Physical Review B, 2014, 90, .	1.1	14
38	Mesoscopic Aharonov-Bohm Interferometers: Decoherence and Thermoelectric Transport. , 2014, , 86-101.		1
39	Suspended Nanowires as Mechanically Controlled Rashba Spin Splitters. Physical Review Letters, 2013, 111, 176602.	2.9	16
40	Full-counting statistics for molecular junctions: Fluctuation theorem and singularities. Physical Review B, 2013, 87, .	1.1	56
41	Scale-Dependent Competing Interactions: Sign Reversal of the Average Persistent Current. Physical Review Letters, 2013, 110, 056801.	2.9	3
42	Robustness of spin filtering against current leakage in a Rashba-Dresselhaus-Aharonov-Bohm interferometer. Physical Review B, 2013, 87, .	1.1	15
43	Spin filtering in a Rashba-Dresselhaus-Aharonov-Bohm double-dot interferometer. New Journal of Physics, 2013, 15, 125017.	1.2	17
44	Landau theory for the phase diagram of multiferroic Mn _{1-x} WO _x (Fe,Zn,Mn). Physical Review B, 2013, 87, .	1.1	14
45	Transient quantum transport in double-dot Aharonov-Bohm interferometers. Physical Review B, 2012, 86, .	1.1	22
46	Filtering and analyzing mobile qubit information via Rashba-Dresselhaus-Aharonov-Bohm interferometers. Physical Review B, 2011, 84, .	1.1	49
47	Normal persistent currents in proximity-effect bilayers. Physical Review B, 2011, 84, .	1.1	3
48	Noise spectra of an interacting quantum dot. Physical Review B, 2011, 84, .	1.1	14
49	Three-terminal thermoelectric transport through a molecular junction. Physical Review B, 2010, 82, .	1.1	175
50	Spin filtering due to quantum interference in periodic mesoscopic networks. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 629-633.	1.3	5
51	Spin-polarized electric currents in quantum transport through tubular two-dimensional electron gases. Physical Review B, 2010, 81, .	1.1	24
52	Pure phase decoherence in a ring geometry. Physical Review A, 2010, 81, .	1.0	4
53	Transport through molecular junctions with a nonequilibrium phonon population. Physical Review B, 2010, 81, .	1.1	25
54	Phonon spectroscopy by electric measurements of coupled quantum dots. Physical Review B, 2010, 82, .	1.1	12

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55	Retrieving qubit information despite decoherence. Physical Review B, 2010, 82, .	1.1	21
56	Noise spectra of a biased quantum dot. Physical Review B, 2009, 79, .	1.1	39
57	Voltage-induced singularities in transport through molecular junctions. Physical Review B, 2009, 80, .	1.1	44
58	Discrete versus Continuous Wires on Quantum Networks. Journal of Physical Chemistry B, 2009, 113, 3676-3680.	1.2	5
59	Conductance of superconducting-normal hybrid structures. Physical Review B, 2008, 78, .	1.1	13
60	Order Parameters and Phase Diagram of Multiferroic RMn ₂ O ₅ . Physical Review Letters, 2008, 100, 217202.	2.9	18
61	Order parameters and phase diagrams of multiferroics. Journal of Physics Condensed Matter, 2008, 20, 434202. Effect of inversion symmetry on the incommensurate order in multiferroic	0.7	23
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73	Landauer transport with inelastic scattering. Europhysics Letters, 2005, 72, 263-269.	0.7	12
74	Spin-wave spectrum of the Jahn-Teller system LaTiO ₃ . Physical Review B, 2005, 71, .	1.1	11
75	Magnetic structure of the Jahn-Teller system LaTiO ₃ . Physical Review B, 2005, 71, .	1.1	42
76	The cubic Kugelâ€“Khomskii model for triply degenerate t _{2g} electrons. New Journal of Physics, 2005, 7, 49-49.	1.2	4
77	Kondo effect in complex mesoscopic structures. Physical Review B, 2005, 71, .	1.1	45
78	Competing Magnetic Phases on a KagomÃ© Staircase. Physical Review Letters, 2004, 93, 247201.	2.9	151
79	Quantized charge pumping by surface acoustic waves in ballistic quasi-1D channels. European Physical Journal B, 2004, 39, 385-396.	0.6	15
80	Test of universality in the Ising spin glass using high temperature graph expansion. European Physical Journal B, 2004, 41, 231-254.	0.6	29
81	Hidden symmetries and their consequences in t _{2g} cubic perovskites. Physical Review B, 2004, 69, .	1.1	20
82	Efficient Hopfield pattern recognition on a scale-free neural network. European Physical Journal B, 2003, 32, 395-399.	0.6	98
83	Fractal geometry of critical Potts clusters. European Physical Journal B, 2003, 34, 479-487.	0.6	25
84	Old and New Results on Multicritical Points. Journal of Statistical Physics, 2003, 110, 659-669.	0.5	37
85	Measuring the Transmission Phase of a Quantum Dot in a Closed Interferometer. Physical Review Letters, 2003, 90, 156802.	2.9	43
86	Damped orbital excitations in the titanates. Physical Review B, 2003, 67, .	1.1	13
87	Quantized Adiabatic Quantum Pumping Due to Interference. Journal of the Physical Society of Japan, 2003, 72, 77-82.	0.7	5
88	FRactal DIMENSIONS AND CORRECTIONS TO SCALING FOR CRITICAL POTTS CLUSTERS. Fractals, 2003, 11, 3-7.	1.8	13
89	ANOMALOUS DIFFUSION AT PERCOLATION THRESHOLD IN HIGH DIMENSIONS ON 10 ¹⁸ SITES. International Journal of Modern Physics C, 2003, 14, 917-924.	0.8	3
90	Measuring the Transmission of a Quantum Dot Using Aharonovâ€“Bohm Interferometers. Journal of the Physical Society of Japan, 2003, 72, 112-117.	0.7	4

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91	Broken Unitarity and Phase Measurements in Aharonov-Bohm Interferometers. Physical Review Letters, 2002, 88, 166801.	2.9	66
92	Phase measurement in the mesoscopic Aharonov-Bohm interferometer. Physical Review B, 2002, 66, .	1.1	88
93	SCALING IN A SIMPLE MODEL FOR SURFACE GROWTH IN A RANDOM MEDIUM. International Journal of Modern Physics C, 2002, 13, 603-612.	0.8	1
94	Comment on "Bicritical and Tetracritical Phenomena and Scaling Properties of the SO(5) Theory". Physical Review Letters, 2002, 88, 059703.	2.9	39
95	The Fano Effect in Aharonov-Bohm Interferometers. Journal of Low Temperature Physics, 2002, 126, 1251-1273.	0.6	36
96	FRACTAL DIMENSIONS AND CORRECTIONS TO SCALING FOR CRITICAL POTTS CLUSTERS. , 2002, , .		0
97	Dipolar ordering in Fe ₈ ? Europhysics Letters, 2001, 55, 273-279.	0.7	36
98	Direct observation of the quantum energy gap in S = 1/2 tetragonal cuprate antiferromagnets. Europhysics Letters, 2001, 54, 508-514.	0.7	9
99	Series expansion study of quantum percolation on the square lattice. European Physical Journal B, 2000, 16, 303-316.	0.6	26
100	Transmission of two interacting electrons. Europhysics Letters, 2000, 50, 354-360.	0.7	11
101	Diffusion-limited aggregation as a Markovian process: Bond-sticking conditions. Physical Review E, 2000, 62, 2531-2546.	0.8	8
102	Charge occupancy of two interacting electrons on artificial molecules: Exact results. Physical Review B, 2000, 62, 13561-13568.	1.1	4
103	Exact solution for two interacting electrons on artificial atoms and molecules in solids. Physical Review B, 2000, 61, 5452-5456.	1.1	12
104	Anisotropic superexchange for nearest and next-nearest coppers in chain, ladder, and lamellar cuprates. Physical Review B, 1999, 60, 10206-10215.	1.1	60
105	Ordering due to Quantum Fluctuations in Sr ₂ Cu ₃ O ₄ Cl ₂ . Physical Review Letters, 1999, 83, 852-855.	2.9	63
106	Competing frustration and dilution effects on the antiferromagnetism in La _{2-x} Sr _x Cu _{1-z} Zn _z O ₄ . Physical Review B, 1999, 60, R15017-R15020.	1.1	13
107	Path-Crossing Exponents and the External Perimeter in 2D Percolation. Physical Review Letters, 1999, 83, 1359-1362.	2.9	83
108	Field-dependent antiferromagnetism and ferromagnetism of the two copper sublattices in Sr ₂ Cu ₃ O ₄ Cl ₂ . Physical Review B, 1999, 59, 14702-14711.	1.1	16

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109	DENSITY PROFILE OF THE INCIPIENT INFINITE PERCOLATION CLUSTER. International Journal of Modern Physics C, 1999, 10, 935-940.	0.8	6
110	Exact eigenstates and transmission for two interacting electrons on quantum dots. Annalen Der Physik, 1999, 8, 685-690.	0.9	2
111	Suppression of antiferromagnetic correlations by quenched dipole-type impurities. European Physical Journal B, 1999, 8, 511-523.	0.6	15
112	Exact eigenstates and transmission for two interacting electrons on quantum dots. Annalen Der Physik, 1999, 511, 685-690.	0.9	0
113	An Infinite Number of Effectively Infinite Clusters in Critical Percolation. Journal of Statistical Physics, 1998, 92, 325-330.	0.5	22
114	Solution of diffusion limited aggregation in a narrow cylindrical geometry. Physical Review E, 1998, 58, 4716-4729.	0.8	5
115	Critical Disordered Systems with Constraints and the Inequality $\nu > 2/d$. Physical Review Letters, 1998, 81, 252-255.	2.9	70
116	Critical behavior of energy-energy, strain-strain, higher-harmonics, and similar correlation functions. Physical Review E, 1997, 55, 2267-2278.	0.8	5
117	Explanation of NMR experiments on doped cuprates using the frustration model. Physical Review B, 1997, 56, 661-667.	1.1	2
118	Ferromagnetic Moment and Spin Rotation Transitions in Tetragonal Antiferromagnetic $\text{Sr}_2\text{Cu}_3\text{O}_4\text{Cl}_2$. Physical Review Letters, 1997, 78, 535-538.	2.9	62
119	Renormalization group calculation of distribution functions: Structural properties for percolation clusters. Physical Review E, 1997, 56, 172-184.	0.8	18
120	Anisotropic spin-glass behavior in $\text{La}_{1.96}\text{Sr}_{0.04}\text{CuO}_4$. Physical Review B, 1997, 56, 2322-2323.	1.1	1
121	Single-ion anisotropy, crystal-field effects, spin reorientation transitions, and spin waves in R_2CuO_4 ($\text{R}=\text{Nd, Pr, and Sm}$). Physical Review B, 1997, 56, 260-286.	1.1	97
122	Real-Space Renormalization Estimates for Two-Phase Flow in Porous Media. Transport in Porous Media, 1997, 29, 247-279.	1.2	16
123	Different self-avoiding walks on percolation clusters: A small-cell real-space renormalization-group study. Journal of Statistical Physics, 1997, 86, 1163-1178.	0.5	5
124	Scaling and universality in the spanning probability for percolation. Physical Review E, 1996, 53, 235-253.	0.8	100
125	Critical behavior of the random-field Ising model. Physical Review B, 1996, 53, 6362-6384.	1.1	53
126	Comment on "Universal Scaling Functions in Critical Phenomena". Physical Review Letters, 1996, 76, 3874-3874.	2.9	11

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127	Weak ferromagnetism in the low-temperature tetragonal phase of the cuprates. Physical Review B, 1996, 53, 775-784.	1.1	20
128	Gap Independence and Lacunarity in Percolation Clusters. Physical Review Letters, 1996, 77, 877-880.	2.9	19
129	Magnetic anisotropies and general on-site Coulomb interactions in the cuprates. Physical Review B, 1996, 53, 11661-11670.	1.1	23
130	Absence of Self-Averaging and Universal Fluctuations in Random Systems near Critical Points. Physical Review Letters, 1996, 77, 3700-3703.	2.9	201
131	Self-avoiding walks on random fractal environments. Journal of Statistical Physics, 1995, 80, 147-167.	0.5	3
132	Finite-size scaling for percolation above six dimensions. Physica A: Statistical Mechanics and Its Applications, 1995, 215, 242-246.	1.2	11
133	Renormalization group, scaling and universality in spanning probability for percolation. Physica A: Statistical Mechanics and Its Applications, 1995, 221, 68-79.	1.2	0
134	Magnetism and magnetic fluctuations in $\text{La}_{1-x}\text{Sr}_x\text{CuO}_4$ for $x = 0$ (2D antiferromagnet), 0.04 (3D spin) $T_{\text{ETQ}} = 0.0 \text{ K}$ $T_{\text{BT}} = 34 \text{ K}$	1.9	34
135	Yildirim et al. Reply. Physical Review Letters, 1995, 74, 2843-2843.	2.9	4
136	Critical Behavior of the Structure Factor for Higher Harmonics in Density Wave Systems. Physical Review Letters, 1995, 74, 5064-5067.	2.9	10
137	DISTRIBUTIONS OF STRUCTURAL PROPERTIES FOR PERCOLATION CLUSTERS. Fractals, 1995, 03, 453-463.	1.8	3
138	Spin-Glass Behavior in $\text{La}_{1.96}\text{Sr}_{0.04}\text{CuO}_4$. Physical Review Letters, 1995, 75, 2204-2207.	2.9	152
139	Anisotropic spin Hamiltonians due to spin-orbit and Coulomb exchange interactions. Physical Review B, 1995, 52, 10239-10267.	1.1	135
140	Localization Length Exponent in Quantum Percolation. Physical Review Letters, 1995, 74, 2094-2097.	2.9	25
141	Spin structures of tetragonal lamellar copper oxides. Physical Review Letters, 1994, 72, 3710-3713.	2.9	44
142	Explanation of the giant magnetoconductivity in La_2CuO_4 . Physical Review B, 1994, 49, 7080-7083.	1.1	8
143	Weak Ferromagnetism and Tricriticality in Pure La_2CuO_4 . Physical Review Letters, 1994, 73, 894-897.	2.9	62
144	Reentrant antiferromagnetism in oxygen-doped cuprates. Physical Review B, 1994, 49, 13291-13294.	1.1	7

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145	Superexchange anisotropy in the cuprates. <i>Physical Review B</i> , 1994, 50, 3068-3076.	1.1	18
146	Phase diagram of the dilute Ising spin glass in general spatial dimension. <i>Physical Review B</i> , 1994, 49, 8830-8841.	1.1	5
147	Different types of self-avoiding walks on deterministic fractals. <i>Journal of Statistical Physics</i> , 1994, 77, 545-563.	0.5	1
148	Renormalization group methods for flow in oil reservoirs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 205, 330-334.	1.2	5
149	Superlocalization of wave functions on fractal networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 205, 335-341.	1.2	8
150	Symmetry, Spin-Orbit Interactions, and Spin Anisotropies. <i>Physical Review Letters</i> , 1994, 73, 2919-2922.	2.9	46
151	Comment on "Spanning probability in 2D percolation". <i>Physical Review Letters</i> , 1994, 72, 1941-1941.	2.9	38
152	Self-similarity and covered neighborhoods of fractals: A random walk test. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993, 196, 1-5.	1.2	10
153	Was superlocalization observed on a fractal?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993, 200, 171-178.	1.2	14
154	Series and Monte Carlo study of high-dimensional Ising models. <i>Journal of Statistical Physics</i> , 1993, 71, 1221-1230.	0.5	32
155	Bond-dependent symmetric and antisymmetric superexchange interactions in La_2CuO_4 . <i>Physical Review B</i> , 1993, 47, 174-182.	1.1	111
156	Was superlocalization observed in carbon-black polymer composites?. <i>Physical Review Letters</i> , 1993, 70, 4160-4160.	2.9	21
157	Distribution of the logarithms of currents in percolating resistor networks. I. Theory. <i>Physical Review B</i> , 1993, 47, 5756-5769.	1.1	14
158	Evidence for two exponent scaling in the random field Ising model. <i>Physical Review Letters</i> , 1993, 71, 1569-1572.	2.9	70
159	Temperature dependence of the field-induced magnetic phases in La_2CuO_4 . <i>Physical Review B</i> , 1993, 47, 1016-1023.	1.1	8
160	Shekhtman, Entin-Wohlman, and Aharony reply. <i>Physical Review Letters</i> , 1993, 71, 468-468.	2.9	16
161	Distribution of the logarithms of currents in percolating resistor networks. II. Series expansions. <i>Physical Review B</i> , 1993, 47, 5770-5782.	1.1	5
162	Multicritical phase diagram and random field effects in superconducting bismuthates. <i>Physical Review Letters</i> , 1993, 70, 1874-1877.	2.9	20

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163	Néel transition and sublattice magnetization of pure and doped La_2CuO_4 . <i>Physical Review B</i> , 1992, 45, 7430-7435.	1.1	155
164	Vibrational excitations in percolation: Localization and multifractality. <i>Physical Review Letters</i> , 1992, 69, 3189-3192.	2.9	47
165	Four-band model for oxygen holes in copper oxide superconductors. II. Phase diagram. <i>Physical Review B</i> , 1992, 45, 9926-9931.	1.1	3
166	Field-dependent magnetic phases in La_2CuO_4 at zero temperature. <i>Physical Review B</i> , 1992, 46, 6477-6487.	1.1	10
167	Four-band model for oxygen holes in copper oxide superconductors. I. Quasiparticles. <i>Physical Review B</i> , 1992, 45, 9915-9925.	1.1	6
168	Magnetic excitations in pure, lightly doped, and weakly metallic La_2CuO_4 . <i>Physical Review B</i> , 1992, 46, 14034-14053.	1.1	557
169	Universal crossover in variable range hopping with Coulomb interactions. <i>Physical Review Letters</i> , 1992, 68, 3900-3903.	2.9	112
170	Moriya's anisotropic superexchange interaction, frustration, and Dzyaloshinsky's weak ferromagnetism. <i>Physical Review Letters</i> , 1992, 69, 836-839.	2.9	296
171	Multifractal localization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 191, 365-378.	1.2	22
172	Current distributions in a two-dimensional random-resistor network. <i>Journal of Statistical Physics</i> , 1992, 67, 113-121.	0.5	13
173	Effects of random fields on bicritical phase diagrams in two and three dimensions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991, 177, 58-66.	1.2	6
174	Effective renormalization group algorithm for transport in oil reservoirs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991, 177, 260-266.	1.2	25
175	Viscous fingering in square-lattice models with two types of bonds. <i>Physical Review A</i> , 1991, 44, 6564-6576.	1.0	13
176	Crossover and multicriticality due to the Dzyaloshinsky-Moriya interaction. <i>Physical Review B</i> , 1991, 44, 856-858.	1.1	4
177	Series expansions for the Ising spin glass in general dimension. <i>Physical Review B</i> , 1991, 43, 11249-11273.	1.1	54
178	Crossover effects in weakly diluted Ising antiferromagnets. <i>Physical Review B</i> , 1991, 44, 423-424.	1.1	4
179	Gravity invasion percolation in two dimensions: Experiment and simulation. <i>Physical Review Letters</i> , 1991, 67, 584-587.	2.9	140
180	Flory approximant for self-avoiding walks near the theta-point on fractal structures. <i>Journal De Physique, I</i> , 1991, 1, 313-316.	1.2	5

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181	Superlocalization, correlations and random walks on fractals. Physica A: Statistical Mechanics and Its Applications, 1990, 163, 38-46.	1.2	37
182	Multifractals in physics: Successes, dangers and challenges. Physica A: Statistical Mechanics and Its Applications, 1990, 168, 479-489.	1.2	36
183	Low-concentration series in general dimension. Journal of Statistical Physics, 1990, 58, 511-538.	0.5	63
184	Blumenfeld and Aharony reply. Physical Review Letters, 1990, 64, 1843-1843.	2.9	6
185	Resistance distributions of the random resistor network near the percolation threshold. Physical Review B, 1990, 41, 4610-4618.	1.1	6
186	Series study of percolation moments in general dimension. Physical Review B, 1990, 41, 9183-9206.	1.1	111
187	Phase diagrams for the randomly diluted resistor network and XY model. Physical Review B, 1989, 40, 7230-7238.	1.1	4
188	Breakdown of multifractal behavior in diffusion-limited aggregates. Physical Review Letters, 1989, 62, 2977-2980.	2.9	114
189	Negative moments of currents in percolating resistor networks. Physical Review B, 1989, 40, 7318-7320.	1.1	7
190	Crossover scaling from multifractal theory: Dielectric breakdown with cutoffs. Physical Review Letters, 1989, 63, 2005-2009.	2.9	21
191	Percolation in negative field and lattice animals. Physical Review B, 1989, 39, 649-656.	1.1	2
192	Dilute spin glass at zero temperature in general dimension. Physical Review B, 1989, 40, 4824-4832.	1.1	6
193	Hexatic ordering in liquid crystal films. Contemporary Physics, 1989, 30, 321-335.	0.8	60
194	Diffusion-limited aggregation near the percolation threshold. Physica A: Statistical Mechanics and Its Applications, 1989, 155, 1-20.	1.2	18
195	Viscous fingers on fractals. Physica A: Statistical Mechanics and Its Applications, 1989, 157, 524-528.	1.2	3
196	Measuring multifractals. Physica D: Nonlinear Phenomena, 1989, 38, 1-4.	1.3	39
197	Flory approximant for self-avoiding walks on fractals. Journal of Statistical Physics, 1989, 54, 1091-1097.	0.5	45
198	Delocalization Transition in Two-Dimensional Quantum Percolation. Europhysics Letters, 1989, 10, 275-278.	0.7	53

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199	Magnetic frustration model and superconductivity in doped planar CuO_2 systems. IBM Journal of Research and Development, 1989, 33, 287-292.	3.2	10
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201	Dynamics of Invasion Percolation. Physical Review Letters, 1988, 61, 2117-2120.	2.9	151
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