Ora Entin-Wohlman

List of Publications by Year
in descending order

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97 papers	2,493 citations	185998 28 h-index	214527 47 g-index
98 all docs	98 docs citations	98 times ranked	1631 citing authors

#	Article	IF	Citations
1	Three-terminal thermoelectric transport through a molecular junction. Physical Review B, 2010, 82, .	1.1	175
2	Theory of Chirality Induced Spin Selectivity: Progress and Challenges. Advanced Materials, 2022, 34, e2106629.	11.1	119
3	Field dependence of magnetic ordering in KagomÃ©-staircase compoundNi3V2O8. Physical Review B, 2006, 74, .	1.1	113
4	Spin-dependent transport through a chiral molecule in the presence of spin-orbit interaction and nonunitary effects. Physical Review B, 2016, 93, .	1.1	107
5	Thermoelectric three-terminal hopping transport through one-dimensional nanosystems. Physical Review B, 2012, 85, .	1.1	103
6	Towards a microscopic model of magnetoelectric interactions inNi3V2O8. Physical Review B, 2006, 73, .	1.1	91
7	Phase measurement in the mesoscopic Aharonov-Bohm interferometer. Physical Review B, 2002, 66, .	1.1	88
8	Applicability of the equations-of-motion technique for quantum dots. Physical Review B, 2006, 73, .	1.1	83
9	Broken Unitarity and Phase Measurements in Aharonov-Bohm Interferometers. Physical Review Letters, 2002, 88, 166801.	2.9	66
10	Unified description of phase lapses, population inversion, and correlation-induced resonances in double quantum dots. Physical Review B, 2007, 75, .	1.1	66
11	Ordering due to Quantum Fluctuations inSr2Cu3O4Cl2. Physical Review Letters, 1999, 83, 852-855.	2.9	63
12	Ferromagnetic Moment and Spin Rotation Transitions in Tetragonal AntiferromagneticSr2Cu3O4Cl2. Physical Review Letters, 1997, 78, 535-538.	2.9	62
13	Full-counting statistics for molecular junctions: Fluctuation theorem and singularities. Physical Review B, 2013, 87, .	1.1	56
14	Enhanced performance of joint cooling and energy production. Physical Review B, 2015, 91, .	1.1	53
15	Filtering and analyzing mobile qubit information via Rashbaâ€“Dresselhausâ€“Aharonovâ€“Bohm interferometers. Physical Review B, 2011, 84, .	1.1	49
16	Symmetry, Spin-Orbit Interactions, and Spin Anisotropies. Physical Review Letters, 1994, 73, 2919-2922.	2.9	46
17	Kondo effect in complex mesoscopic structures. Physical Review B, 2005, 71, .	1.1	45
18	Voltage-induced singularities in transport through molecular junctions. Physical Review B, 2009, 80, .	1.1	44

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19	Spin filtering by a periodic spintronic device. Physical Review B, 2008, 78, .	1.1	43
20	Efficiency bounds on thermoelectric transport in magnetic fields: The role of inelastic processes. Physical Review B, 2016, 94, .	1.1	43
21	Magnetic structure of the Jahn-Teller systemLaTiO3. Physical Review B, 2005, 71, .	1.1	42
22	Noise spectra of a biased quantum dot. Physical Review B, 2009, 79, .	1.1	39
23	The Fano Effect in Aharonov-Bohm Interferometers. Journal of Low Temperature Physics, 2002, 126, 1251-1273.	0.6	36
24	Spin selectivity through time-reversal symmetric helical junctions. Physical Review B, 2020, 102, .	1.1	34
25	Efficiency and dissipation in a two-terminal thermoelectric junction, emphasizing small dissipation. Physical Review E, 2014, 89, 012123.	0.8	32
26	Hopping thermoelectric transport in finite systems: Boundary effects. Physical Review B, 2013, 87, .	1.1	31
27	Thermoelectricity near Anderson localization transitions. Physical Review B, 2017, 96, .	1.1	31
28	Steps and dips in the ac conductance and noise of mesoscopic structures. Physical Review B, 2007, 75, .	1.1	28
29	Effect of inversion symmetry on the incommensurate order in multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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37	Rashba Splitting of Cooper Pairs. Physical Review Letters, 2016, 116, 217001.	2.9	21
38	Hidden symmetries and their consequences int2gcubic perovskites. Physical Review B, 2004, 69, .	1.1	20
39	Cross-over from phonons to fractons. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1987, 56, 949-955.	0.6	18
40	Persistent Currents in Interacting Aharonov-Bohm Interferometers and Their Enhancement by Acoustic Radiation. Physical Review Letters, 2003, 91, 046802.	2.9	18
41	Persistent currents of noninteracting electrons in one-, two-, and three-dimensional thin rings. Physical Review B, 2010, 82, .	1.1	17
42	Temporal evolution of resonant transmission under telegraph noise. Physical Review B, 2016, 94, .	1.1	17
43	Suspended Nanowires as Mechanically Controlled Rashba Spin Splitters. Physical Review Letters, 2013, 111, 176602.	2.9	16
44	Suppression of antiferromagnetic correlations by quenched dipole-type impurities. European Physical Journal B, 1999, 8, 511-523.	0.6	15
45	Quantized charge pumping by surface acoustic waves in ballistic quasi-1D channels. European Physical Journal B, 2004, 39, 385-396.	0.6	15
46	Robustness of spin filtering against current leakage in a Rashba-Dresselhaus-Aharonov-Bohm interferometer. Physical Review B, 2013, 87, .	1.1	15
47	Model for organized current patterns in disordered conductors. Physical Review B, 2008, 77, .	1.1	14
48	Noise spectra of an interacting quantum dot. Physical Review B, 2011, 84, .	1.1	14
49	Landau theory for the phase diagram of multiferroic Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>(Fe,Zn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>WO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>	1.1	14
50	Mechanically controlled spin-selective transport. Physical Review B, 2014, 90, .	1.1	14
51	Wigner crystal of a two-dimensional electron gas with a strong spin-orbit interaction. Physical Review B, 2014, 89, .	1.1	14
52	Damped orbital excitations in the titanates. Physical Review B, 2003, 67, .	1.1	13
53	Conductance of superconducting-normal hybrid structures. Physical Review B, 2008, 78, .	1.1	13
54	Transient probing of the symmetry and the asymmetry of electron interference. Physical Review B, 2016, 93, .	1.1	13

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55	Pair-breaking effect on mesoscopic persistent currents. Physical Review B, 2009, 80, .	1.1	12
56	Phonon spectroscopy by electric measurements of coupled quantum dots. Physical Review B, 2010, 82, .	1.1	12
57	Heat currents in electronic junctions driven by telegraph noise. Physical Review B, 2017, 96, .	1.1	12
58	Different critical behaviors in perovskites with a structural phase transition from cubic-to-trigonal and cubic-to-tetragonal symmetry. Physical Review B, 2022, 105, .	1.1	12
59	Spin-wave spectrum of the Jahn-Teller systemLaTiO3. Physical Review B, 2005, 71, .	1.1	11
60	Control of the two-electron exchange interaction in a nanowire double quantum dot. Physical Review B, 2018, 98, .	1.1	11
61	Comment on â€œSpin-orbit interaction and spin selectivity for tunneling electron transfer in DNAâ€• Physical Review B, 2021, 103, .	1.1	11
62	Orbital order, anisotropic spin couplings, and the spin-wave spectrum of the ferromagnetic Mott insulator YTiO3. Annalen Der Physik, 2005, 14, 626-641.	0.9	10
63	AC transport and full-counting statistics of molecular junctions in the weak electron-vibration coupling regime. Journal of Chemical Physics, 2017, 146, .	1.2	10
64	Electric and magnetic gating of Rashba-active weak links. Physical Review B, 2018, 97, .	1.1	10
65	Real-time dynamics of spin-dependent transport through a double-quantum-dot Aharonov-Bohm interferometer with spin-orbit interaction. Physical Review B, 2014, 90, .	1.1	9
66	Transition temperature of superconducting-magnetic proximity effect sandwiches. Journal of Low Temperature Physics, 1976, 24, 229-240.	0.6	8
67	Phase diagram of reentrant and magnetic-field-induced superconducting states with Kondo impurities in bulk and proximity-coupled compounds. Physical Review B, 2012, 86, .	1.1	7
68	Photovoltaic effect generated by spin-orbit interactions. Physical Review B, 2020, 101, .	1.1	6
69	Topological states and interplay between spin-orbit and Zeeman interactions in a spinful Su-Schrieffer-Heeger nanowire. Physical Review B, 2021, 104, .	1.1	6
70	Effects of magnetic fields on the Datta-Das spin field-effect transistor. Physical Review B, 2020, 102, .	1.1	6
71	Spin geometric phases in hopping magnetoconductance. Physical Review Research, 2019, 1, .	1.3	6
72	Quantized Adiabatic Quantum Pumping Due to Interference. Journal of the Physical Society of Japan, 2003, 72, 77-82.	0.7	5

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73	Comment on â€œCooling by Heating: Refrigeration Powered by Photonsâ€• Physical Review Letters, 2014, 112, 048901.	2.9	5
74	Rashba spin-splitting of single electrons and Cooper pairs. Low Temperature Physics, 2017, 43, 303-319.	0.2	5
75	DC spin generation by junctions with AC driven spin-orbit interaction. Physical Review B, 2019, 100, .	1.1	5
76	Is Telegraph Noise A Good Model for the Environment of Mesoscopic Systems?. Journal of Statistical Physics, 2019, 175, 704-724.	0.5	5
77	Effects of Different Lead Magnetizations on the Dattaâ€“Das Spin Field-Effect Transistor. Journal of Physical Chemistry C, 2019, 123, 11094-11100.	1.5	5
78	Pure phase decoherence in a ring geometry. Physical Review A, 2010, 81, .	1.0	4
79	Magnetization generated by microwave-induced Rashba interaction. Physical Review B, 2020, 102, .	1.1	4
80	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
81	Bi- and tetracritical phase diagrams in three dimensions. Low Temperature Physics, 2022, 48, 483-491.	0.2	4
82	Normal persistent currents in proximity-effect bilayers. Physical Review B, 2011, 84, .	1.1	3
83	Magnetoconductance Anisotropies and Aharonov-Casher Phases. Physical Review Letters, 2022, 129, .	2.9	3
84	The Ground State Energy of Small Polaron Gas. Physica Status Solidi (B): Basic Research, 1983, 120, 49-54.	0.7	2
85	Exact eigenstates and transmission for two interacting electrons on quantum dots. Annalen Der Physik, 1999, 8, 685-690.	0.9	2
86	Spin-polarized dynamic transport in tubular two-dimensional electron gases. Physical Review B, 2014, 90, .	1.1	2
87	Photo-spintronics of spin-orbit active electric weak links. Low Temperature Physics, 2017, 43, 910-913.	0.2	2
88	Spin precession in spin-orbit coupled weak links: Coulomb repulsion and Pauli quenching. Physical Review B, 2017, 96, .	1.1	2
89	Comment on â€œStrong dependence of the interlayer coupling on the hole mobility in antiferromagneticLa2â^'xSrxCuO4(x<0.02)â€• Physical Review B, 2006, 73, .	1.1	1
90	Point-contact spectroscopy of hopping transport: Effects of a magnetic field. Physical Review B, 2007, 75, .	1.1	1

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91	Renormalization of Competing Interactions and Superconductivity on Small Scales. Journal of Statistical Physics, 2014, 157, 979-989.	0.5	1
92	Mesoscopic Aharonov-Bohm Interferometers: Decoherence and Thermoelectric Transport. , 2014, , 86-101.		1
93	Edge Reconstruction of a Time-Reversal Invariant Insulator: Compressible-Incompressible Stripes. Physical Review Letters, 2022, 128, 186801.	2.9	1
94	Low-temperature studies of random Ising models. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1984, 50, 273-283.	0.6	0
95	Reply to â€œComment on â€˜Phase diagram of reentrant and magnetic-field-induced superconducting states with Kondo impurities in bulk and proximity-coupled compoundsâ€™ â€. Physical Review B, 2013, 87, .	1.1	0
96	Rashba proximity states in superconducting tunnel junctions. Low Temperature Physics, 2018, 44, 543-551.	0.2	0
97	Exact eigenstates and transmission for two interacting electrons on quantum dots. Annalen Der Physik, 1999, 511, 685-690.	0.9	0