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	Theory of Chirality Induced Spin Selectivity: Progress and Challenges. Advanced Materials, 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. Physical Review B, 2022, 105, .	1.1	12
3	Edge Reconstruction of a Time-Reversal Invariant Insulator: Compressible-Incompressible Stripes. Physical Review Letters, 2022, 128, 186801.	2.9	1
4	Bi- and tetracritical phase diagrams in three dimensions. Low Temperature Physics, 2022, 48, 483-491.	0.2	4
5	Magnetoconductance Anisotropies and Aharonov-Casher Phases. Physical Review Letters, 2022, 129, .	2.9	3
6	Comment on â€œSpin-orbit interaction and spin selectivity for tunneling electron transfer in DNAâ€• Physical Review B, 2021, 103, .	1.1	11
7	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
8	Spin selectivity through time-reversal symmetric helical junctions. Physical Review B, 2020, 102, .	1.1	34
9	Magnetization generated by microwave-induced Rashba interaction. Physical Review B, 2020, 102, .	1.1	4
10	Photovoltaic effect generated by spin-orbit interactions. Physical Review B, 2020, 101, .	1.1	6
11	Effects of magnetic fields on the Datta-Das spin field-effect transistor. Physical Review B, 2020, 102, .	1.1	6
12	DC spin generation by junctions with AC driven spin-orbit interaction. Physical Review B, 2019, 100, .	1.1	5
13	Is Telegraph Noise A Good Model for the Environment of Mesoscopic Systems?. Journal of Statistical Physics, 2019, 175, 704-724.	0.5	5
14	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
15	Spin geometric phases in hopping magnetoconductance. Physical Review Research, 2019, 1, .	1.3	6
16	Control of the two-electron exchange interaction in a nanowire double quantum dot. Physical Review B, 2018, 98, .	1.1	11
17	Rashba proximity states in superconducting tunnel junctions. Low Temperature Physics, 2018, 44, 543-551.	0.2	0
18	Electric and magnetic gating of Rashba-active weak links. Physical Review B, 2018, 97, .	1.1	10

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19	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
20	Rashba spin-splitting of single electrons and Cooper pairs. Low Temperature Physics, 2017, 43, 303-319.	0.2	5
21	Photo-spintronics of spin-orbit active electric weak links. Low Temperature Physics, 2017, 43, 910-913.	0.2	2
22	Thermoelectricity near Anderson localization transitions. Physical Review B, 2017, 96, .	1.1	31
23	Spin filtering in all-electrical three-terminal interferometers. Physical Review B, 2017, 95, .	1.1	26
24	Heat currents in electronic junctions driven by telegraph noise. Physical Review B, 2017, 96, .	1.1	12
25	Spin precession in spin-orbit coupled weak links: Coulomb repulsion and Pauli quenching. Physical Review B, 2017, 96, .	1.1	2
26	Efficiency bounds on thermoelectric transport in magnetic fields: The role of inelastic processes. Physical Review B, 2016, 94, .	1.1	43
27	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
28	Transient probing of the symmetry and the asymmetry of electron interference. Physical Review B, 2016, 93, .	1.1	13
29	Rashba Splitting of Cooper Pairs. Physical Review Letters, 2016, 116, 217001.	2.9	21
30	Temporal evolution of resonant transmission under telegraph noise. Physical Review B, 2016, 94, .	1.1	17
31	Enhanced performance of joint cooling and energy production. Physical Review B, 2015, 91, .	1.1	53
32	Spin-polarized dynamic transport in tubular two-dimensional electron gases. Physical Review B, 2014, 90, .	1.1	2
33	Efficiency and dissipation in a two-terminal thermoelectric junction, emphasizing small dissipation. Physical Review E, 2014, 89, 012123.	0.8	32
34	Renormalization of Competing Interactions and Superconductivity on Small Scales. Journal of Statistical Physics, 2014, 157, 979-989.	0.5	1
35	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
36	Mechanically controlled spin-selective transport. Physical Review B, 2014, 90, .	1.1	14

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37	Comment on â€œCooling by Heating: Refrigeration Powered by Photonsâ€• Physical Review Letters, 2014, 112, 048901.	2.9	5
38	Wigner crystal of a two-dimensional electron gas with a strong spin-orbit interaction. Physical Review B, 2014, 89, .	1.1	14
39	Mesoscopic Aharonov-Bohm Interferometers: Decoherence and Thermoelectric Transport. , 2014, , 86-101.		1
40	Suspended Nanowires as Mechanically Controlled Rashba Spin Splitters. Physical Review Letters, 2013, 111, 176602.	2.9	16
41	Full-counting statistics for molecular junctions: Fluctuation theorem and singularities. Physical Review B, 2013, 87, .	1.1	56
42	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
43	Hopping thermoelectric transport in finite systems: Boundary effects. Physical Review B, 2013, 87, .	1.1	31
44	Robustness of spin filtering against current leakage in a Rashba-Dresselhaus-Aharonov-Bohm interferometer. Physical Review B, 2013, 87, .	1.1	15
45	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
46	Thermoelectric three-terminal hopping transport through one-dimensional nanosystems. Physical Review B, 2012, 85, .	1.1	103
47	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:mn>4</mml:mn></mml:msub></mml:math>	1.1	14
48	Filtering and analyzing mobile qubit information via Rashbaâ€“Dresselhausâ€“Aharonovâ€“Bohm interferometers. Physical Review B, 2011, 84, .	1.1	49
49	Normal persistent currents in proximity-effect bilayers. Physical Review B, 2011, 84, .	1.1	3
50	Noise spectra of an interacting quantum dot. Physical Review B, 2011, 84, .	1.1	14
51	Three-terminal thermoelectric transport through a molecular junction. Physical Review B, 2010, 82, .	1.1	175
52	Spin-polarized electric currents in quantum transport through tubular two-dimensional electron gases. Physical Review B, 2010, 81, .	1.1	24
53	Pure phase decoherence in a ring geometry. Physical Review A, 2010, 81, .	1.0	4
54	Transport through molecular junctions with a nonequilibrium phonon population. Physical Review B, 2010, 81, .	1.1	25

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55	Phonon spectroscopy by electric measurements of coupled quantum dots. Physical Review B, 2010, 82, .	1.1	12
56	Retrieving qubit information despite decoherence. Physical Review B, 2010, 82, .	1.1	21
57	Persistent currents of noninteracting electrons in one-, two-, and three-dimensional thin rings. Physical Review B, 2010, 82, .	1.1	17
58	Noise spectra of a biased quantum dot. Physical Review B, 2009, 79, .	1.1	39
59	Pair-breaking effect on mesoscopic persistent currents. Physical Review B, 2009, 80, .	1.1	12
60	Voltage-induced singularities in transport through molecular junctions. Physical Review B, 2009, 80, .	1.1	44
61	Conductance of superconducting-normal hybrid structures. Physical Review B, 2008, 78, .	1.1	13
62	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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73	Spin-wave spectrum of the Jahn-Teller systemLaTiO3. Physical Review B, 2005, 71, .	1.1	11
74	Orbital ac Spin-Hall Effect in the Hopping Regime. Physical Review Letters, 2005, 95, 086603.	2.9	24
75	Magnetic structure of the Jahn-Teller systemLaTiO3. Physical Review B, 2005, 71, .	1.1	42
76	Kondo effect in complex mesoscopic structures. Physical Review B, 2005, 71, .	1.1	45
77	Quantized charge pumping by surface acoustic waves in ballistic quasi-1D channels. European Physical Journal B, 2004, 39, 385-396.	0.6	15
78	Hidden symmetries and their consequences int2gcubic perovskites. Physical Review B, 2004, 69, .	1.1	20
79	Persistent Currents in Interacting Aharonov-Bohm Interferometers and Their Enhancement by Acoustic Radiation. Physical Review Letters, 2003, 91, 046802.	2.9	18
80	Damped orbital excitations in the titanates. Physical Review B, 2003, 67, .	1.1	13
81	Quantized Adiabatic Quantum Pumping Due to Interference. Journal of the Physical Society of Japan, 2003, 72, 77-82.	0.7	5
82	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
83	Broken Unitarity and Phase Measurements in Aharonov-Bohm Interferometers. Physical Review Letters, 2002, 88, 166801.	2.9	66
84	Phase measurement in the mesoscopic Aharonov-Bohm interferometer. Physical Review B, 2002, 66, .	1.1	88
85	The Fano Effect in Aharonov-Bohm Interferometers. Journal of Low Temperature Physics, 2002, 126, 1251-1273.	0.6	36
86	Quantized acoustoelectric current in a finite-length ballistic quantum channel: The noise spectrum. Physical Review B, 2001, 63, .	1.1	23
87	Ordering due to Quantum Fluctuations inSr2Cu3O4Cl2. Physical Review Letters, 1999, 83, 852-855.	2.9	63
88	Exact eigenstates and transmission for two interacting electrons on quantum dots. Annalen Der Physik, 1999, 8, 685-690.	0.9	2
89	Suppression of antiferromagnetic correlations by quenched dipole-type impurities. European Physical Journal B, 1999, 8, 511-523.	0.6	15
90	Exact eigenstates and transmission for two interacting electrons on quantum dots. Annalen Der Physik, 1999, 511, 685-690.	0.9	0

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91	Ferromagnetic Moment and Spin Rotation Transitions in Tetragonal AntiferromagneticSr2Cu3O4Cl2. Physical Review Letters, 1997, 78, 535-538.	2.9	62
92	Symmetry, Spin-Orbit Interactions, and Spin Anisotropies. Physical Review Letters, 1994, 73, 2919-2922.	2.9	46
93	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
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	Enhancement of susceptibility and the electrical resistivity of organic metals with a small mean free path. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1984, 50, 251-263.	0.6	25
96	The Ground State Energy of Small Polaron Gas. Physica Status Solidi (B): Basic Research, 1983, 120, 49-54.	0.7	2
97	Transition temperature of superconducting-magnetic proximity effect sandwiches. Journal of Low Temperature Physics, 1976, 24, 229-240.	0.6	8