

Xenophon Zotos

List of Publications by Year in descending order

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185998

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54
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86
all docs

86
docs citations

86
times ranked

1439
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport and conservation laws. Physical Review B, 1997, 55, 11029-11032.	1.1	443
2	Finite Temperature Drude Weight of the One-Dimensional Spin-1/2 Heisenberg Model. Physical Review Letters, 1999, 82, 1764-1767.	2.9	263
3	Integrability and Ideal Conductance at Finite Temperatures. Physical Review Letters, 1995, 74, 972-975.	2.9	208
4	Unusual Phonon Heat Transport in RuCl_2 : Strong Spin-Phonon Scattering and Field-Induced Spin Gap. Physical Review Letters, 2018, 120, 117204.	1.1	46
5	Static and dynamic properties of a two-dimensional Wigner crystal in a strong magnetic field. Physical Review B, 1983, 28, 4349-4356.	1.1	140
6	Evidence for ideal insulating or conducting state in a one-dimensional integrable system. Physical Review B, 1996, 53, 983-986.	1.1	137
7	Phase Diagram of the One-Dimensional Extended Hubbard Model at Quarter-Filling. Europhysics Letters, 1993, 24, 133-138.	0.7	125
8	Hole pairing and clustering in the two-dimensional t - J model. Physical Review B, 1993, 47, 5984-5991.	1.1	80
9	Quantum sine-Gordon thermodynamics: The Bethe ansatz method. Physical Review B, 1981, 24, 2634-2639.	1.1	73
10	Finite-temperature dynamical correlations using the microcanonical ensemble and the Lanczos algorithm. Physical Review B, 2003, 68, .	1.1	71
11	Finite-temperature Drude weight within the anisotropic Heisenberg chain. Physical Review B, 2011, 84, .	1.1	69
12	Bethe-ansatz quantum sine-Gordon thermodynamics. The specific heat. Physical Review B, 1982, 25, 5806-5817.	1.1	67
13	High Temperature Thermal Conductivity of Two-Leg Spin-1/2 Ladders. Physical Review Letters, 2004, 92, 067202.	2.9	62
14	Anomalous scaling of conductivity in integrable fermion systems. Physical Review B, 2004, 70, .	1.1	61
15	Exact calculation of spectral properties of a particle interacting with a one-dimensional fermionic system. Physical Review B, 1993, 47, 16186-16193.	1.1	51
16	Single-hole effective masses in the t - J model. Physical Review B, 1990, 42, 8445-8450.	1.1	50
17	Finite-temperature transport in disordered Heisenberg chains. Physical Review B, 2009, 79, .	1.1	48
18	Issues on the Transport of One Dimensional Quantum Systems. Journal of the Physical Society of Japan, 2005, 74, 173-180.	0.7	46

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19	Universality in the spectra of strongly correlated systems. Physical Review B, 1993, 48, 5439-5443.	1.1	43
20	Magnetization in molecular iron rings. Physical Review B, 2001, 63, .	1.1	40
21	Diffusive Transport in Spin-1 Chains at High Temperatures. Physical Review Letters, 2004, 93, 177203.	2.9	35
22	Heat Conductivity of the Heisenberg Spin-1 Ladder: From Weak to Strong Breaking of Integrability. Physical Review Letters, 2016, 116, 017202.	2.9	34
23	Cohesion and conductance of disordered metallic point contacts. Physical Review B, 1999, 60, 5000-5008.	1.1	33
24	Quantum Monte Carlo study of the three-dimensional attractive Hubbard model. Physical Review B, 2002, 66, .	1.1	33
25	Phonon-Magnon Interaction in Low Dimensional Quantum Magnets Observed by Dynamic Heat Transport Measurements. Physical Review Letters, 2013, 110, 147206.	2.9	32
26	Spin heat transport and spin-phonon interaction in the spin-1/2 Heisenberg chain cuprates SrCu_2O_3 and SrCu_2O_2 . Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P03006.	0.9	31
27	Thermal conductivity of a classical one-dimensional Heisenberg spin model. Physical Review B, 2005, 72, .	1.1	30
28	Incoherent transport induced by a single static impurity in a Heisenberg chain. Physical Review B, 2009, 80, .	1.1	28
29	Spin and energy correlations in the one dimensional spin-Heisenberg model. Journal of Physics Condensed Matter, 1998, 10, L183-L190.	0.7	27
30	Ballistic Transport in Classical and Quantum Integrable Systems. Journal of Low Temperature Physics, 2002, 126, 1185-1194.	0.6	26
31	A TBA approach to thermal transport in the XXZ Heisenberg model. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 103101.	0.9	24
32	Autocorrelations from the transfer-matrix density-matrix renormalization-group method. Physical Review B, 1999, 60, 359-368.	1.1	23
33	Thermal conductivity of one-dimensional spin-1 systems coupled to phonons. Physical Review B, 2006, 74, .	1.1	21
34	Connection between Low Energy Effective Hamiltonians and Energy Level Statistics. Physical Review Letters, 1995, 74, 2050-2053.	2.9	20
35	Analytic vortices and magnetic resonances in rotating superfluid He^3 -A. III. Physical Review B, 1984, 30, 145-151.	1.1	19
36	Reactive Hall Response. Physical Review Letters, 2000, 85, 377-380.	2.9	17

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37	Hall Constant of Strongly Correlated Electrons on a Ladder. Physical Review Letters, 1999, 83, 2785-2788.	2.9	16
38	Bethe-ansatz massive-Thirring-model thermodynamics: The weak-coupling limit. Physical Review B, 1982, 26, 2519-2524.	1.1	14
39	Bethe-ansatz quantum sine-Gordon thermodynamics. Finite-temperature excitation spectrum. Physical Review B, 1982, 26, 1430-1433.	1.1	14
40	Thermal conductivity of a classical one-dimensional spin-phonon system. Physical Review B, 2007, 75, . Magnetic excitations in the spin-1 anisotropic antiferromagnet NiCl ₂	1.1	14
41	$-4SC(NH) T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td$	1.1	14
42	Ground-state energy and spin of a generalized-statistic-Jmodel. Physical Review B, 1992, 45, 9932-9939.	1.1	13
43	Hole-hole correlations in the $U=\infty$ limit of the Hubbard model and the stability of the Nagaoka state. Physical Review B, 1993, 48, 317-321.	1.1	13
44	Finite-temperature mobility of a particle coupled to a fermionic environment. Physical Review B, 1996, 54, 4375-4378.	1.1	13
45	Thermal transport in a spin-1 Heisenberg chain coupled to a magnetic or nonmagnetic impurity. Physical Review B, 2010, 81, .	1.1	13
46	Effective spin of the $S=1$ XXZ chain with strong easy-plane anisotropy. Physical Review B, 2014, 89, .	1.1	13
47	Spin and magnetothermal transport in the $S=1$ XXZ chain. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 063103.	0.9	13
48	Impurity conduction and minimum metallic conductivity in n -type InP subjected to a magnetic field. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1980, 42, 19-30.	0.6	12
49	Vortex-pair state in rotating superfluid A_3 at low temperatures. Physical Review B, 1985, 31, 177-182.	1.1	12
50	Correlations in the one-dimensional almost-half-filled band Hubbard model in the large- U limit. Physical Review B, 1988, 37, 5594-5597.	1.1	12
51	Vortex states in rotating A_3 in a weak magnetic field. Physical Review B, 1985, 31, 7120-7123.	1.1	11
52	The Cu d-d excitation model: Studies of the insulating limit. Physica C: Superconductivity and Its Applications, 1989, 162-164, 307-312.	0.6	11
53	Gutzwiller wave-function description of a particle in a fermionic bath. Physical Review B, 1991, 43, 1176-1178.	1.1	10
54	Statistics of Mass Aggregation in a Self-Gravitating One-Dimensional Gas. Journal of Statistical Physics, 1998, 91, 177-197.	0.5	10

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55	A Cu d-d excitation model for the pairing in the high-Tc cuprates. Physica C: Superconductivity and Its Applications, 1988, 153-155, 1305-1306.	0.6	8
56	Exact and numerical study of the effective hopping of a particle interacting with a fermionic bath in one dimension. Physical Review B, 1988, 37, 5045-5049.	1.1	8
57	Quantum Monte Carlo study of a one dimensional two band fermion model. European Physical Journal B, 1989, 74, 289-294.	0.6	8
58	Dynamics of quasiparticles in the two-dimensional Hubbard model. Physical Review B, 1990, 42, 6787-6790.	1.1	8
59	Reactive Hall constant of strongly correlated electrons. Physical Review B, 2001, 64, .	1.1	8
60	Magnetoresistance measurements of V3Si evidence for precursor effects of the martensitic transformation. Solid State Communications, 1984, 50, 453-457.	0.9	7
61	A weak-coupling limit of the d - d excitation model for the high-Tc cuprates. Physica C: Superconductivity and Its Applications, 1988, 153-155, 1307-1308.	0.6	7
62	A GEOMETRICAL VIEW OF THE MINUS-SIGN PROBLEM. International Journal of Modern Physics C, 1992, 03, 185-193.	0.8	7
63	Magnon dispersion and thermodynamics in CsNiF3. Physical Review B, 2001, 63, .	1.1	7
64	Spin conductance in one-dimensional spin-phonon systems. Physical Review B, 2005, 72, .	1.1	6
65	Thermal conductivity of anisotropic spin-1/2 two leg ladder: Green's function approach. European Physical Journal B, 2014, 87, 1.	0.6	6
66	Vortex pairs in rotating A_3 in a tilted magnetic field. Physical Review B, 1985, 31, 3116-3117.	1.1	5
67	Thermodynamics of the spin-flop transition in a quantum XYZ chain. Physical Review B, 2000, 61, 14303-14306.	1.1	5
68	Light-induced magnetization in a spin- $\frac{1}{2}$ antiferromagnetic chain. Physical Review B, 2016, 93, .		
69	High-temperature dynamics in quantum compass models. Physical Review B, 2018, 97, .	1.1	4
70	Variational treatment of the one-dimensional Peierls-Hubbard model: Lattice dimerization and solitons. Synthetic Metals, 1993, 57, 4249-4254.	2.1	3
71	Solution of the infinite-range J-model. Journal of Physics A, 1998, 31, 4225-4237.	1.6	3
72	Orbital magnetic susceptibility of the attractive Hubbard model. Physica C: Superconductivity and Its Applications, 1999, 317-318, 475-478.	0.6	3

#	ARTICLE	IF	CITATIONS
73	Transport of Strongly Correlated Electrons. AIP Conference Proceedings, 2002, , .	0.3	3
74	Finite size systems study of the d-d excitation model. Physica C: Superconductivity and Its Applications, 1988, 153-155, 1308-1310.	0.6	2
75	Correlation functions for the two-dimensional Hubbard model. Physical Review B, 1991, 43, 598-606.	1.1	2
76	Microcanonical Lanczos method. Philosophical Magazine, 2006, 86, 2591-2601.	0.7	2
77	Dressed excitations, thermodynamics and relaxation in the XXZ Heisenberg model. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 013101.	0.9	2
78	Operator growth in a quantum compass model on a Bethe lattice. Physical Review B, 2021, 103, .	1.1	2
79	Ballistic magnetic thermal transport coupled to phonons. Physical Review B, 2021, 104, .	1.1	2
80	Study of a Hamiltonian describing orbital excitations. European Physical Journal B, 1991, 84, 221-228.	0.6	0
81	Hall response of strongly correlated electrons. Physica C: Superconductivity and Its Applications, 2000, 341-348, 129-132.	0.6	0
82	On the nonlinear response of a particle interacting with fermions in a 1D lattice. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, L12003.	0.9	0
83	Scattering of spinon excitations by potentials in the one-dimensional Heisenberg model. Physical Review B, 2019, 100, .	1.1	0
84	Drude Weight, Integrable Systems and the Reactive Hall Constant. , 2001, , 273-282.		0
85	Exact Diagonalization of Small Systems. NATO ASI Series Series B: Physics, 1990, , 265-271.	0.2	0