Theodore Kirkpatrick

List of Publications by Year
in descending order

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62	1,733	394286	276775
papers	citations	19 h-index	41 g-index

63	63	63	960
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Activity induced turbulence in driven active matter. Physical Review Fluids, 2022, 7, .	1.0	2
2	Fluctuating quantum kinetic theory. Physical Review B, 2022, 105, .	1.1	4
3	Soft modes in Fermi liquids at arbitrary temperatures. Physical Review B, 2022, 105, .	1.1	4
4	Rigorous results for the electrical conductivity due to electronâ€“phonon scattering. Journal of Mathematical Physics, 2021, 62, .	0.5	1
5	Rigidity and Superfast Signal Propagation in Fluids and Solids in Non-Equilibrium Steady States. Journal of Physical Chemistry B, 2021, 125, 7499-7507.	1.2	3
6	Transition to turbulence in driven active matter. Physical Review E, 2020, 101, 023103.	0.8	3
7	Exact solution of the Boltzmann equation for low-temperature transport coefficients in metals. I. Scattering by phonons, antiferromagnons, and helimagnons. Physical Review B, 2020, 102, .	1.1	5
8	Exact solution of the Boltzmann equation for low-temperature transport coefficients in metals. II. Scattering by ferromagnons. Physical Review B, 2020, 102, .	1.1	3
9	Nonequilibrium Casimir pressures in liquids under shear. European Physical Journal E, 2019, 42, 106.	0.7	1
10	Giant Casimir Nonequilibrium Forces Drive Coil to Globule Transition in Polymers. Journal of Physical Chemistry Letters, 2019, 10, 2788-2793.	2.1	1
11	Driven active matter: Fluctuations and a hydrodynamic instability. Physical Review Fluids, 2019, 4, .	1.0	9
12	Work probability distribution for a ferromagnet with long-ranged and short-ranged correlations. Physical Review E, 2018, 97, 042109.	0.8	0
13	Contrasting Work Fluctuations and Distributions in Systems with Short-Range and Long-Range Correlations. Physical Review Letters, 2017, 119, 030603.	2.9	2
14	Physical origin of nonequilibrium fluctuation-induced forces in fluids. Physical Review E, 2016, 93, 012148.	0.8	27
15	Nonequilibrium fluctuation-induced Casimir pressures in liquid mixtures. Physical Review E, 2016, 93, 032117.	0.8	15
16	Work, work fluctuations, and the work distribution in a thermal nonequilibrium steady state. Physical Review E, 2016, 94, 052128.	0.8	6
17	Exponent relations at quantum phase transitions with applications to metallic quantum ferromagnets. Physical Review B, 2015, 91, .	1.1	42
18	Nonequilibrium Casimir-like Forces in Liquid Mixtures. Physical Review Letters, 2015, 115, 035901.	2.9	37

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19	Nonequilibrium is different. Physical Review E, 2015, 92, 022109.	0.8	8
20	Non-equilibrium concentration fluctuations in binary liquids with realistic boundary conditions. European Physical Journal E, 2015, 38, 99.	0.7	15
21	Third Law of Thermodynamics and The Shape of the Phase Diagram for Systems With a First-Order Quantum Phase Transition. Physical Review Letters, 2015, 115, 020402.	2.9	15
22	Nonanalyticities in a strongly correlated Fermi liquid: Corrections to scaling at the Fermi-liquid fixed point. Physical Review B, 2014, 89, .	1.1	11
23	Fluctuation-induced pressures in fluids in thermal nonequilibrium steady states. Physical Review E, 2014, 89, 022145.	0.8	20
24	Preasymptotic Critical Behavior and Effective Exponents in Disordered Metallic Quantum Ferromagnets. Physical Review Letters, 2014, 113, 127203.	2.9	12
25	Disorder Dependence of the Ferromagnetic Quantum Phase Transition. Physical Review Letters, 2014, 113, 207201.	2.9	26
26	Electronic relaxation rates in metallic ferromagnets. Physical Review B, 2014, 89, .	1.1	6
27	Quantum Phase Transition in a Clean Two-Dimensional Electron System. Physical Review Letters, 2013, 110, 035702.	2.9	7
28	Giant Casimir Effect in Fluids in Nonequilibrium Steady States. Physical Review Letters, 2013, 110, 235902.	2.9	41
29	Effective soft-mode theory of strongly interacting fermions. Physical Review B, 2012, 85, .	1.1	17
30	Theory of a Fermi-Liquid to Non-Fermi-Liquid Quantum Phase Transition in Dimensions<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi><mml:mo>></mml:mo><mml:mn>1</mml:mn></mml:math>. Physical Review Letters, 2012, 108, 086404.	2.9	10
31	Universal low-temperature tricritical point in metallic ferromagnets and ferrimagnets. Physical Review B, 2012, 85, .	1.1	46
32	Nature of the Quantum Phase Transition to a Spin-Nematic Phase. Physical Review Letters, 2011, 106, 105701.	2.9	10
33	Columnar Fluctuations as a Source of Non-Fermi-Liquid Behavior in Weak Metallic Magnets. Physical Review Letters, 2010, 104, 256404.	2.9	21
34	Soft modes in electronic stripe phases and their consequences for thermodynamics and transport. Physical Review B, 2009, 80, .	1.1	6
35	Anomalous pinning fields in itinerant helical magnets: Screening of the quasiparticle interaction. Physical Review B, 2009, 80, .	1.1	1
36	Analogy between three-dimensional helimagnetic metals and two-dimensional nonmagnetic metals: Transport in the weakly disordered regime. Physical Review B, 2008, 77, .	1.1	0

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37	Theory of helimagnons in itinerant quantum systems. III. Quasiparticle description. Physical Review B, 2008, 78, .	1.1	12
38	Theory of helimagnons in itinerant quantum systems. IV. Transport in the weak-disorder regime. Physical Review B, 2008, 78, .	1.1	10
39	Breakdown of Hydrodynamic Transport Theory in the Ordered Phase of Helimagnets. Physical Review Letters, 2006, 97, 267205.	2.9	3
40	How generic scale invariance influences quantum and classical phase transitions. Reviews of Modern Physics, 2005, 77, 579-632.	16.4	245
41	Tricritical Behavior in Itinerant Quantum Ferromagnets. Physical Review Letters, 2005, 94, .	2.9	140
42	Signatures of Pairing Mechanisms and Order Parameters in Ferromagnetic Superconductors. Physical Review Letters, 2004, 92, 037001.	2.9	8
43	Why Quantum Phase Transitions Are Interesting. Journal of Low Temperature Physics, 2002, 126, 1107-1121.	0.6	3
44	Long-Time Tails, Weak Localization, and Classical and Quantum Critical Behavior. Journal of Statistical Physics, 2002, 109, 373-405.	0.5	29
45	TRANSPORT ANOMALIES AND MARGINAL FERMI-LIQUID EFFECTS AT A QUANTUM CRITICAL POINT. , 2002, , .		0
46	SUPERCONDUCTIVITY AND QUANTUM PHASE TRANSITIONS IN WEAK ITINERANT FERROMAGNETS. , 2002, , .		0
47	Strong Enhancement of SuperconductingTcin Ferromagnetic Phases. Physical Review Letters, 2001, 87, 127003.	2.9	92
48	Annealed Disorder, Rare Regions, and Local Moments: A Novel Mechanism for Metal-Insulator Transitions. Physical Review Letters, 2000, 84, 5176-5179.	2.9	3
49	Transport Anomalies and Marginal-Fermi-Liquid Effects at a Quantum Critical Point. Physical Review Letters, 2000, 85, 4602-4605.	2.9	14
50	Influence of Rare Regions on Magnetic Quantum Phase Transitions. Physical Review Letters, 1999, 82, 5132-5135.	2.9	19
51	Theory of many-fermion systems. Physical Review B, 1997, 56, 6513-6541.	1.1	61
52	Long-range correlations and generic scale invariance in classical fluids and disordered electron systems. Journal of Statistical Physics, 1997, 87, 1307-1323.	0.5	12
53	Generic Long-Range Correlations in Molecular Fluids. Annual Review of Physical Chemistry, 1994, 45, 213-239.	4.8	205
54	LOCALIZATION OF ACOUSTIC WAVES. Series on Directions in Condensed Matter Physics, 1990, , 423-540.	0.1	4

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55	Microscopic theory of dynamics in an orientationally ordered fluid. Journal of Chemical Physics, 1988, 89, 5020-5032.	1.2	10
56	Hydrodynamic theory of electron transport in a strong magnetic field. Journal of Statistical Physics, 1987, 46, 679-708.	0.5	16
57	Ordering in the parallel hard hypercube gas. Journal of Chemical Physics, 1986, 85, 3515-3519.	1.2	32
58	Long-range boundary effects in simple fluids. Journal of Statistical Physics, 1984, 34, 203-223.	0.5	11
59	Kinetic theory of fluctuations near a convective instability. Journal of Statistical Physics, 1983, 33, 639-694.	0.5	26
60	Light scattering by a fluid in a nonequilibrium steady state. I. Small gradients. Physical Review A, 1982, 26, 972-994.	1.0	81
61	Fluctuations in a nonequilibrium steady state: Basic equations. Physical Review A, 1982, 26, 950-971.	1.0	112
62	Light scattering by a fluid in a nonequilibrium steady state. II. Large gradients. Physical Review A, 1982, 26, 995-1014.	1.0	144