

Ehud Altman

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

5,134
citations

159585

30
h-index

233421

45
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47
all docs

47
docs citations

47
times ranked

2656
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for a delocalization quantum phase transition without symmetry breaking in CeCoIn_5 . <i>Science</i> , 2022, 375, 76-81.	12.6	21
2	Measurement-Induced Transition in Long-Range Interacting Quantum Circuits. <i>Physical Review Letters</i> , 2022, 128, 010604.	7.8	82
3	Absence of Heating in a Uniform Fermi Gas Created by Periodic Driving. <i>Physical Review X</i> , 2022, 12, .	8.9	8
4	Solvable theory of a strange metal at the breakdown of a heavy Fermi liquid. <i>Physical Review B</i> , 2022, 105, .	3.2	20
5	Dirac fast scramblers. <i>Physical Review B</i> , 2021, 103, .	3.2	13
6	Symmetry enriched phases of quantum circuits. <i>Annals of Physics</i> , 2021, 435, 168618.	2.8	69
7	Evidence for a delocalization quantum phase transition without symmetry breaking in CeCoIn_5 . <i>Science</i> , 2021, , eaz4566.	12.6	0
8	Critical Behavior near the Many-Body Localization Transition in Driven Open Systems. <i>Physical Review Letters</i> , 2020, 125, 116601.	7.8	18
9	Theory of the phase transition in random unitary circuits with measurements. <i>Physical Review B</i> , 2020, 101, .	3.2	230
10	Chaos in a classical limit of the Sachdev-Ye-Kitaev model. <i>Physical Review B</i> , 2019, 100, .	3.2	26
11	A Universal Operator Growth Hypothesis. <i>Physical Review X</i> , 2019, 9, .	8.9	153
12	Integrable and Chaotic Dynamics of Spins Coupled to an Optical Cavity. <i>Physical Review X</i> , 2019, 9, .	8.9	32
13	Exploration of the stability of many-body localization in $d < 1$. <i>Physical Review B</i> , 2019, 99, .	3.2	14
14	Universal Dynamics of Stochastically Driven Quantum Impurities. <i>Physical Review Letters</i> , 2019, 123, 230604.	7.8	18
15	Finding purifications with minimal entanglement. <i>Physical Review B</i> , 2018, 98, .	3.2	38
16	Activating Many-Body Localization in Solids by Driving with Light. <i>Physical Review Letters</i> , 2018, 121, 267603.	7.8	24
17	Many-body localization and quantum thermalization. <i>Nature Physics</i> , 2018, 14, 979-983.	16.7	69
18	Fate of the one-dimensional Ising quantum critical point coupled to a gapless boson. <i>Physical Review B</i> , 2017, 95, .	3.2	12

#	ARTICLE	IF	CITATIONS
19	Signatures of Many-Body Localization in a Controlled Open Quantum System. Physical Review X, 2017, 7, .	8.9	169
20	Topological degeneracy and pairing in a one-dimensional gas of spinless fermions. Physical Review B, 2017, 96, .	3.2	37
21	Rare-region effects and dynamics near the many-body localization transition. Annalen Der Physik, 2017, 529, 1600326.	2.4	152
22	Solvable model for a dynamical quantum phase transition from fast to slow scrambling. Physical Review B, 2017, 95, .	3.2	172
23	Observation of Slow Dynamics near the Many-Body Localization Transition in One-Dimensional Quasiperiodic Systems. Physical Review Letters, 2017, 119, 260401.	7.8	190
24	Variable-Range Hopping through Marginally Localized Phonons. Physical Review Letters, 2016, 116, 116601.	7.8	21
25	Dynamics of a Many-Body-Localized System Coupled to a Bath. Physical Review Letters, 2016, 116, 160401.	7.8	105
26	Scaling properties of one-dimensional driven-dissipative condensates. Physical Review B, 2015, 92, .	3.2	38
27	Theory of the Many-Body Localization Transition in One-Dimensional Systems. Physical Review X, 2015, 5, .	8.9	293
28	Topological States in a One-Dimensional Fermi Gas with Attractive Interaction. Physical Review Letters, 2015, 114, 100401.	7.8	52
29	Universal Dynamics and Renormalization in Many-Body-Localized Systems. Annual Review of Condensed Matter Physics, 2015, 6, 383-409.	14.5	420
30	Localization and topology protected quantum coherence at the edge of hot matter. Nature Communications, 2015, 6, 7341.	12.8	171
31	Observation of many-body localization of interacting fermions in a quasirandom optical lattice. Science, 2015, 349, 842-845.	12.6	1,222
32	Hilbert-Glass Transition: New Universality of Temperature-Tuned Many-Body Dynamical Quantum Criticality. Physical Review X, 2014, 4, .	8.9	197
33	Chiral bosonic Mott insulator on the frustrated triangular lattice. Physical Review B, 2014, 89, .	3.2	30
34	Dynamical Quantum Phase Transitions in Random Spin Chains. Physical Review Letters, 2014, 112, .	7.8	160
35	Numerical evidence for strong randomness scaling at a superfluid-insulator transition of one-dimensional bosons. Physical Review B, 2013, 88, .	3.2	16
36	Mott Criticality and Pseudogap in Bose-Fermi Mixtures. Physical Review Letters, 2012, 109, 235304.	7.8	2

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37	Dynamics and universality in noise-driven dissipative systems. <i>Physical Review B</i> , 2012, 85, .	3.2	66
38	Quantum phases of Bose-Bose mixtures on a triangular lattice. <i>Physical Review A</i> , 2012, 86, .	2.5	22
39	Many-body Landau-Zener dynamics in coupled one-dimensional Bose liquids. <i>Nature Physics</i> , 2011, 7, 61-67.	16.7	124
40	Quantum critical states and phase transitions in the presence of non-equilibrium noise. <i>Nature Physics</i> , 2010, 6, 806-810.	16.7	132
41	Adiabatic preparation of many-body states in optical lattices. <i>Physical Review A</i> , 2010, 81, .	2.5	49
42	Superfluid-insulator transition of disordered bosons in one dimension. <i>Physical Review B</i> , 2010, 81, .	3.2	70
43	Rise and fall of hidden string order of lattice bosons. <i>Physical Review B</i> , 2008, 77, .	3.2	179
44	Insulating Phases and Superfluid-Insulator Transition of Disordered Boson Chains. <i>Physical Review Letters</i> , 2008, 100, 170402.	7.8	50
45	PHYSICS: Critical Insights. <i>Science</i> , 2007, 315, 1504-1505.	12.6	0
46	Full quantum distribution of contrast in interference experiments between interacting one-dimensional Bose liquids. <i>Nature Physics</i> , 2006, 2, 705-709.	16.7	115
47	PROJECTED SO(5) HAMILTONIAN FOR CUPRATES AND ITS APPLICATIONS. <i>International Journal of Modern Physics B</i> , 2001, 15, 2509-2518.	2.0	3