

Ehud Altman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9938440/publications.pdf>

Version: 2024-02-01

47
papers

5,134
citations

159585

30
h-index

233421

45
g-index

47
all docs

47
docs citations

47
times ranked

2656
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of many-body localization of interacting fermions in a quasirandom optical lattice. <i>Science</i> , 2015, 349, 842-845.	12.6	1,222
2	Universal Dynamics and Renormalization in Many-Body-Localized Systems. <i>Annual Review of Condensed Matter Physics</i> , 2015, 6, 383-409.	14.5	420
3	Theory of the Many-Body Localization Transition in One-Dimensional Systems. <i>Physical Review X</i> , 2015, 5, .	8.9	293
4	Theory of the phase transition in random unitary circuits with measurements. <i>Physical Review B</i> , 2020, 101, .	3.2	230
5	Hilbert-Glass Transition: New Universality of Temperature-Tuned Many-Body Dynamical Quantum Criticality. <i>Physical Review X</i> , 2014, 4, .	8.9	197
6	Observation of Slow Dynamics near the Many-Body Localization Transition in One-Dimensional Quasiperiodic Systems. <i>Physical Review Letters</i> , 2017, 119, 260401.	7.8	190
7	Rise and fall of hidden string order of lattice bosons. <i>Physical Review B</i> , 2008, 77, .	3.2	179
8	Solvable model for a dynamical quantum phase transition from fast to slow scrambling. <i>Physical Review B</i> , 2017, 95, .	3.2	172
9	Localization and topology protected quantum coherence at the edge of hot matter. <i>Nature Communications</i> , 2015, 6, 7341.	12.8	171
10	Signatures of Many-Body Localization in a Controlled Open Quantum System. <i>Physical Review X</i> , 2017, 7, .	8.9	169
11	Dynamical Quantum Phase Transitions in Random Spin Chains. <i>Physical Review Letters</i> , 2014, 112, .	7.8	160
12	A Universal Operator Growth Hypothesis. <i>Physical Review X</i> , 2019, 9, .	8.9	153
13	Rare-region effects and dynamics near the many-body localization transition. <i>Annalen Der Physik</i> , 2017, 529, 1600326.	2.4	152
14	Quantum critical states and phase transitions in the presence of non-equilibrium noise. <i>Nature Physics</i> , 2010, 6, 806-810.	16.7	132
15	Many-body Landau-Zener dynamics in coupled one-dimensional Bose liquids. <i>Nature Physics</i> , 2011, 7, 61-67.	16.7	124
16	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
17	Dynamics of a Many-Body-Localized System Coupled to a Bath. <i>Physical Review Letters</i> , 2016, 116, 160401.	7.8	105
18	Measurement-Induced Transition in Long-Range Interacting Quantum Circuits. <i>Physical Review Letters</i> , 2022, 128, 010604.	7.8	82

#	ARTICLE	IF	CITATIONS
37	Solvable theory of a strange metal at the breakdown of a heavy Fermi liquid. Physical Review B, 2022, 105, .	3.2	20
38	Universal Dynamics of Stochastically Driven Quantum Impurities. Physical Review Letters, 2019, 123, 230604.	7.8	18
39	Critical Behavior near the Many-Body Localization Transition in Driven Open Systems. Physical Review Letters, 2020, 125, 116601.	7.8	18
40	Numerical evidence for strong randomness scaling at a superfluid-insulator transition of one-dimensional bosons. Physical Review B, 2013, 88, .	3.2	16
41	Dirac fast scramblers. Physical Review B, 2021, 103, .	3.2	13
42	Fate of the one-dimensional Ising quantum critical point coupled to a gapless boson. Physical Review B, 2017, 95, .	3.2	12
43	Absence of Heating in a Uniform Fermi Gas Created by Periodic Driving. Physical Review X, 2022, 12, .	8.9	8
44	PROJECTED SO(5) HAMILTONIAN FOR CUPRATES AND ITS APPLICATIONS. International Journal of Modern Physics B, 2001, 15, 2509-2518.	2.0	3
45	Mott Criticality and Pseudogap in Bose-Fermi Mixtures. Physical Review Letters, 2012, 109, 235304.	7.8	2
46	PHYSICS: Critical Insights. Science, 2007, 315, 1504-1505.	12.6	0
47	Evidence for a delocalization quantum phase transition without symmetry breaking in CeCoIn. Science, 2021, , eaaz4566.	12.6	0