

David J Luitz

List of Publications by Year in descending order

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39
papers

2,642
citations

279487

23
h-index

315357

38
g-index

39
all docs

39
docs citations

39
times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	Avalanches and many-body resonances in many-body localized systems. Physical Review B, 2022, 105, .	1.1	100
2	Random matrix theory for quantum and classical metastability in local Liouvillians. Physical Review B, 2022, 105, .	1.1	7
3	Subdiffusive Thouless time scaling in the Anderson model on random regular graphs. Physical Review B, 2022, 105, .	1.1	15
4	Possible Inversion Symmetry Breaking in the $S=1$ Pyrochlore Heisenberg Magnet. Physical Review Letters, 2021, 126, 117204.	2.9	24
5	Three-dimensional isometric tensor networks. Physical Review Research, 2021, 3, .	1.3	12
6	Many-body hierarchy of dissipative timescales in a quantum computer. Physical Review Research, 2021, 3, .	1.3	17
7	Polynomial filter diagonalization of large Floquet unitary operators. SciPost Physics, 2021, 11, .	1.5	4
8	Information dynamics in a model with Hilbert space fragmentation. SciPost Physics, 2021, 11, .	1.5	19
9	Pyrochlore Heisenberg antiferromagnet at finite temperature. Physical Review B, 2020, 102, .	1.1	50
10	Absence of slow particle transport in the many-body localized phase. Physical Review B, 2020, 102, .	1.1	50
11	Prethermalization without Temperature. Physical Review X, 2020, 10, .	2.8	42
12	Hierarchy of Relaxation Timescales in Local Random Liouvillians. Physical Review Letters, 2020, 124, 100604.	2.9	43
13	Lieb-Robinson bounds and out-of-time order correlators in a long-range spin chain. Physical Review Research, 2020, 2, .	1.3	18
14	Multifractality and its role in anomalous transport in the disordered XXZ spin-chain. SciPost Physics Core, 2020, 2, .	0.9	51
15	Matrix product states approaches to operator spreading in ergodic quantum systems. Physical Review B, 2019, 100, .	1.1	16
16	Emergent locality in systems with power-law interactions. Physical Review A, 2019, 99, .	1.0	39
17	Exceptional points and the topology of quantum many-body spectra. Physical Review Research, 2019, 1, .	1.3	37
18	Power-law entanglement growth from typical product states. Physical Review Research, 2019, 1, .	1.3	10

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19	Statistics of correlation functions in the random Heisenberg chain. SciPost Physics, 2019, 7, .	1.5	22
20	Exploring one-particle orbitals in large many-body localized systems. Physical Review B, 2018, 97, .	1.1	20
21	Periodic and quasiperiodic revivals in periodically driven interacting quantum systems. Physical Review B, 2018, 97, .	1.1	24
22	Anomalous thermalization and transport in disordered interacting Floquet systems. Physical Review B, 2018, 98, .	1.1	19
23	Shift-invert diagonalization of large many-body localizing spin chains. , 2018, 5, .		85
24	The ergodic side of the many-body localization transition. Annalen Der Physik, 2017, 529, 1600350.	0.9	216
25	Operator entanglement entropy of the time evolution operator in chaotic systems. Physical Review B, 2017, 95, .	1.1	69
26	Information propagation in isolated quantum systems. Physical Review B, 2017, 96, .	1.1	120
27	Quantum Monte Carlo detection of SU(2) symmetry breaking in the participation entropies of line subsystems. SciPost Physics, 2017, 2, .	1.5	4
28	Absence of dynamical localization in interacting driven systems. SciPost Physics, 2017, 3, .	1.5	38
29	Extended slow dynamical regime close to the many-body localization transition. Physical Review B, 2016, 93, .	1.1	254
30	Long tail distributions near the many-body localization transition. Physical Review B, 2016, 93, .	1.1	81
31	Anomalous Thermalization in Ergodic Systems. Physical Review Letters, 2016, 117, 170404.	2.9	133
32	Bimodal entanglement entropy distribution in the many-body localization transition. Physical Review B, 2016, 94, .	1.1	65
33	Universal logarithmic corrections to entanglement entropies in two dimensions with spontaneously broken continuous symmetries. Physical Review B, 2015, 91, .	1.1	18
34	Spin-wave approach for entanglement entropies of the J_1 antiferromagnet on the square lattice. Physical Review B, 2015, 92, .	1.1	21
35	Many-body localization edge in the random-field Heisenberg chain. Physical Review B, 2015, 91, .	1.1	722
36	Shannon-Rényi entropies and participation spectra across three-dimensional $O(N)$ spin glasses. Physical Review B, 2014, 89, .	1.1	34

#	ARTICLE	IF	CITATIONS
37	Participation spectroscopy and entanglement Hamiltonian of quantum spin models. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P08007.	0.9	46
38	Universal Behavior beyond Multifractality in Quantum Many-Body Systems. Physical Review Letters, 2014, 112, 057203.	2.9	76
39	Improving entanglement and thermodynamic Rényi entropy measurements in quantum Monte Carlo. Physical Review B, 2014, 90, .	1.1	39