

Ruben Verresen

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,264
citations

623574

14
h-index

887953

17
g-index

17
all docs

17
docs citations

17
times ranked

833
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing topological spin liquids on a programmable quantum simulator. <i>Science</i> , 2021, 374, 1242-1247.	6.0	293
2	Ergodicity Breaking Arising from Hilbert Space Fragmentation in Dipole-Conserving Hamiltonians. <i>Physical Review X</i> , 2020, 10, .	2.8	239
3	One-dimensional symmetry protected topological phases and their transitions. <i>Physical Review B</i> , 2017, 96, .	1.1	98
4	Statistical localization: From strong fragmentation to strong edge modes. <i>Physical Review B</i> , 2020, 101, .	1.1	95
5	Dynamics of the Kitaev-Heisenberg Model. <i>Physical Review Letters</i> , 2017, 119, 157203.	2.9	93
6	Prediction of Toric Code Topological Order from Rydberg Blockade. <i>Physical Review X</i> , 2021, 11, .	2.8	77
7	Topology and Edge Modes in Quantum Critical Chains. <i>Physical Review Letters</i> , 2018, 120, 057001.	2.9	71
8	Confined Phases of One-Dimensional Spinless Fermions Coupled to Z_2 Gauge Theory. <i>Physical Review Letters</i> , 2020, 124, 120503.	2.9	56
9	Avoided quasiparticle decay from strong quantum interactions. <i>Nature Physics</i> , 2019, 15, 750-753.	6.5	44
10	Realizing the symmetry-protected Haldane phase in Fermi-Hubbard ladders. <i>Nature</i> , 2022, 606, 484-488.	13.7	42
11	Gapless Topological Phases and Symmetry-Enriched Quantum Criticality. <i>Physical Review X</i> , 2021, 11, .	2.8	36
12	Intrinsically gapless topological phases. <i>Physical Review B</i> , 2021, 104, .	1.1	32
13	Quantum dynamics of the square-lattice Heisenberg model. <i>Physical Review B</i> , 2018, 98, .	1.1	25
14	Asymptotic Correlations in Gapped and Critical Topological Phases of 1D Quantum Systems. <i>Journal of Statistical Physics</i> , 2019, 175, 1164-1213.	0.5	24
15	Gauging the Kitaev chain. <i>SciPost Physics</i> , 2021, 10, .	1.5	15
16	Topological and symmetry-enriched random quantum critical points. <i>Physical Review B</i> , 2021, 103, .	1.1	13
17	Skeleton of matrix-product-state-solvable models connecting topological phases of matter. <i>Physical Review Research</i> , 2021, 3, .	1.3	11