

Michael Levin

List of Publications by Year in descending order

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32
papers

3,836
citations

471509

17
h-index

414414

32
g-index

32
all docs

32
docs citations

32
times ranked

2242
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting Topological Order in a Ground State Wave Function. Physical Review Letters, 2006, 96, 110405.	7.8	1,444
2	Anomalous Edge States and the Bulk-Edge Correspondence for Periodically Driven Two-Dimensional Systems. Physical Review X, 2013, 3, .	8.9	690
3	Braiding statistics approach to symmetry-protected topological phases. Physical Review B, 2012, 86, .	3.2	370
4	Integer Quantum Hall Effect for Bosons. Physical Review Letters, 2013, 110, 046801.	7.8	182
5	Protected Edge Modes without Symmetry. Physical Review X, 2013, 3, .	8.9	160
6	Classification and analysis of two-dimensional Abelian fractional topological insulators. Physical Review B, 2012, 86, .	3.2	156
7	Fermions, strings, and gauge fields in lattice spin models. Physical Review B, 2003, 67, .	3.2	153
8	Braiding Statistics of Loop Excitations in Three Dimensions. Physical Review Letters, 2014, 113, 080403.	7.8	134
9	Effect of interactions on two-dimensional fermionic symmetry-protected topological phases with Z_2 symmetry. Physical Review B, 2014, 89, .	3.2	115
10	Exactly soluble models for fractional topological insulators in two and three dimensions. Physical Review B, 2011, 84, .	3.2	59
11	Generalizations and limitations of string-net models. Physical Review B, 2014, 89, .	3.2	57
12	Symmetry-enriched string nets: Exactly solvable models for SET phases. Physical Review B, 2016, 94, .	3.2	48
13	Bulk-Boundary Correspondence for Three-Dimensional Symmetry-Protected Topological Phases. Physical Review X, 2016, 6, .	8.9	40
14	Weak symmetry breaking in two-dimensional topological insulators. Physical Review B, 2013, 88, .	3.2	31
15	Anomaly Indicators for Time-Reversal Symmetric Topological Orders. Physical Review Letters, 2017, 119, 136801.	7.8	30
16	Gapless layered three-dimensional fractional quantum Hall states. Physical Review B, 2009, 79, .	3.2	27
17	Collective states of non-Abelian quasiparticles in a magnetic field. Physical Review B, 2009, 79, .	3.2	20
18	Formalism for the solution of quadratic Hamiltonians with large cosine terms. Physical Review B, 2016, 93, .	3.2	15

#	ARTICLE	IF	CITATIONS
19	Microscopic definitions of anyon data. Physical Review B, 2020, 101, .	3.2	14
20	Generalized string-net models: A thorough exposition. Physical Review B, 2021, 103, .	3.2	14
21	Rigorous Results on Topological Superconductivity with Particle Number Conservation. Physical Review Letters, 2020, 124, 257002.	7.8	13
22	Exactly soluble lattice models for non-Abelian states of matter in two dimensions. Physical Review B, 2013, 88, .	3.2	11
23	Classification of interacting Floquet phases with $U(1)$ symmetry in two dimensions. Physical Review B, 2021, 103, .	3.2	11
24	Fractonic order in infinite-component Chern-Simons gauge theories. Physical Review B, 2022, 105, .	3.2	8
25	Anomaly indicators for topological orders with $U(1)$ and time-reversal symmetry. Physical Review B, 2019, 100, .	3.2	7
26	Constraints on Order and Disorder Parameters in Quantum Spin Chains. Communications in Mathematical Physics, 2020, 378, 1081-1106.	2.2	7
27	Anomalies in bosonic symmetry-protected topological edge theories: Connection to F symbols and a method of calculation. Physical Review B, 2021, 104, .	3.2	6
28	Simple approach to characterizing band topology in bosonic pairing Hamiltonians. Physical Review B, 2021, 103, .	3.2	4
29	Lattice models for non-Fermi-liquid metals. Physical Review B, 2008, 78, .	3.2	3
30	Vanishing Hall conductance for commuting Hamiltonians. Physical Review B, 2022, 105, .	3.2	3
31	Ungappable edge theories with finite-dimensional Hilbert spaces. Physical Review B, 2022, 105, .	3.2	3
32	Solvable models for neutral modes in fractional quantum Hall edges. Physical Review B, 2017, 95, .	3.2	1