

Michael Newman

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

352
citations

1163117

8
h-index

1588992

8
g-index

11
all docs

11
docs citations

11
times ranked

271
citing authors

#	ARTICLE	IF	CITATIONS
1	Fault-tolerant control of an error-corrected qubit. Nature, 2021, 598, 281-286.	27.8	170
2	2D Compass Codes. Physical Review X, 2019, 9, .	8.9	32
3	Fault-tolerant weighted union-find decoding on the toric code. Physical Review A, 2020, 102, .	2.5	24
4	A Fault-Tolerant Honeycomb Memory. Quantum - the Open Journal for Quantum Science, 0, 5, 605.	0.0	23
5	Efficient parallelization of tensor network contraction for simulating quantum computation. Nature Computational Science, 2021, 1, 578-587.	8.0	22
6	Handling leakage with subsystem codes. New Journal of Physics, 2019, 21, 073055.	2.9	20
7	Stabilizer Slicing: Coherent Error Cancellations in Low-Density Parity-Check Stabilizer Codes. Physical Review Letters, 2018, 121, 250502.	7.8	18
8	On Optimality of CSS Codes for Transversal T . IEEE Journal on Selected Areas in Information Theory, 2020, 1, 499-514.	2.5	17
9	Generating Fault-Tolerant Cluster States from Crystal Structures. Quantum - the Open Journal for Quantum Science, 0, 4, 295.	0.0	12
10	Explicit Lower Bounds on Strong Quantum Simulation. IEEE Transactions on Information Theory, 2020, 66, 5585-5600.	2.4	11
11	Classical Coding Problem from Transversal T Gates. , 2020, , .		3