Michael Walter

List of Publications by Year
in descending order

34 papers	1,169 citations	687363 13 h-index	477307 29 g-index
35 all docs	35 docs citations	35 times ranked	721 citing authors

#	Article	IF	Citations
1	Holographic duality from random tensor networks. Journal of High Energy Physics, 2016, 2016, 1.	4.7	355
2	Entanglement Polytopes: Multiparticle Entanglement from Single-Particle Information. Science, 2013, 340, 1205-1208.	12.6	120
3	The holographic entropy cone. Journal of High Energy Physics, 2015, 2015, 1.	4.7	109
4	Entanglement Wedge Reconstruction via Universal Recovery Channels. Physical Review X, 2019, 9, .	8.9	83
5	Bit Threads and Holographic Monogamy. Communications in Mathematical Physics, 2020, 376, 609-648.	2.2	45
6	Holographic entanglement negativity and replica symmetry breaking. Journal of High Energy Physics, 2021, 2021, 1.	4.7	40
7	Eigenvalue Distributions of Reduced Density Matrices. Communications in Mathematical Physics, 2014, 332, 1-52.	2.2	34
8	Towards a Theory of Non-Commutative Optimization: Geodesic 1st and 2nd Order Methods for Moment Maps and Polytopes. , 2019, , .		30
9	Conditional mutual information of bipartite unitaries and scrambling. Journal of High Energy Physics, 2016, 2016, 1.	4.7	28
10	Rigorous Free-Fermion Entanglement Renormalization from Wavelet Theory. Physical Review X, 2018, 8, .	8.9	27
11	Multipartite Entanglement in Stabilizer Tensor Networks. Physical Review Letters, 2020, 125, 241602.	7.8	27
12	On vanishing of Kronecker coefficients. Computational Complexity, 2017, 26, 949-992.	0.3	25
13	Stabilizer information inequalities from phase space distributions. Journal of Mathematical Physics, 2013, 54, .	1.1	22
14	Schurâ€"Weyl Duality for the Clifford Group with Applications: Property Testing, a Robust Hudson Theorem, and de Finetti Representations. Communications in Mathematical Physics, 2021, 385, 1325-1393.	2.2	20
15	Asymptotic Performance of Port-Based Teleportation. Communications in Mathematical Physics, 2021, 381, 379-451.	2.2	17
16	Efficient Algorithms for Tensor Scaling, Quantum Marginals, and Moment Polytopes. , 2018, , .		16
17	Matrix product states and the quantum max-flow/min-cut conjectures. Journal of Mathematical Physics, 2018, 59, .	1.1	15
18	Entanglement from topology in Chern-Simons theory. Physical Review D, 2017, 95, .	4.7	14

#	Article	IF	Citations
19	Equivariant geometric K-homology for compact LieÂgroup actions. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 2010, 80, 149-173.	0.2	13
20	Computing Multiplicities of Lie Group Representations. , 2012, , .		12
21	Holographic entropy inequalities and gapped phases of matter. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
22	Membership in Moment Polytopes is in NP and coNP. SIAM Journal on Computing, 2017, 46, 972-991.	1.0	10
23	Matchgate benchmarking: Scalable benchmarking of a continuous family of many-qubit gates. Quantum - the Open Journal for Quantum Science, 0, 6, 657.	0.0	10
24	Entanglement-assisted capacities of compound quantum channels. IEEE Transactions on Information Theory, 2017, , 1-1.	2.4	9
25	Hypergraph min-cuts from quantum entropies. Journal of Mathematical Physics, 2021, 62, .	1.1	9
26	Recoupling Coefficients and Quantum Entropies. Annales Henri Poincare, 2018, 19, 385-410.	1.7	8
27	Inequalities for moment cones of finite-dimensional representations. Journal of Symplectic Geometry, 2017, 15, 1209-1250.	0.5	8
28	A Quantum Multiparty Packing Lemma and the Relay Channel. IEEE Transactions on Information Theory, 2020, 66, 3500-3519.	2.4	7
29	Lower Bounds for Quantum Parameter Estimation. IEEE Transactions on Information Theory, 2014, 60, 8007-8023.	2.4	6
30	Bosonic entanglement renormalization circuits from wavelet theory. SciPost Physics, 2021, 10, .	4.9	5
31	Witnessing entanglement in experiments with correlated noise. Quantum Science and Technology, 2020, 5, 035007.	5.8	4
32	Quantum Circuit Approximations and Entanglement Renormalization for the Dirac Field in 1+1 Dimensions. Communications in Mathematical Physics, 2022, 389, 75-120.	2.2	4
33	Maximum likelihood estimation for tensor normal models via castling transforms. Forum of Mathematics, Sigma, 2022, 10, .	0.7	2
34	A Heisenberg limit for quantum region estimation. , 2014, , .		0