

Michael Walter

List of Publications by Year in descending order

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34
papers

1,169
citations

687363

13
h-index

477307

29
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all docs

35
docs citations

35
times ranked

721
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Maximum likelihood estimation for tensor normal models via castling transforms. Forum of Mathematics, Sigma, 2022, 10, .	0.7	2
3	Asymptotic Performance of Port-Based Teleportation. Communications in Mathematical Physics, 2021, 381, 379-451.	2.2	17
4	Schur-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
5	Holographic entanglement negativity and replica symmetry breaking. Journal of High Energy Physics, 2021, 2021, 1.	4.7	40
6	Bosonic entanglement renormalization circuits from wavelet theory. SciPost Physics, 2021, 10, .	4.9	5
7	Hypergraph min-cuts from quantum entropies. Journal of Mathematical Physics, 2021, 62, .	1.1	9
8	Bit Threads and Holographic Monogamy. Communications in Mathematical Physics, 2020, 376, 609-648.	2.2	45
9	A Quantum Multiparty Packing Lemma and the Relay Channel. IEEE Transactions on Information Theory, 2020, 66, 3500-3519.	2.4	7
10	Witnessing entanglement in experiments with correlated noise. Quantum Science and Technology, 2020, 5, 035007.	5.8	4
11	Multipartite Entanglement in Stabilizer Tensor Networks. Physical Review Letters, 2020, 125, 241602.	7.8	27
12	Entanglement Wedge Reconstruction via Universal Recovery Channels. Physical Review X, 2019, 9, .	8.9	83
13	Towards a Theory of Non-Commutative Optimization: Geodesic 1st and 2nd Order Methods for Moment Maps and Polytopes. , 2019, , .		30
14	Recoupling Coefficients and Quantum Entropies. Annales Henri Poincare, 2018, 19, 385-410.	1.7	8
15	Rigorous Free-Fermion Entanglement Renormalization from Wavelet Theory. Physical Review X, 2018, 8, .	8.9	27
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-assisted capacities of compound quantum channels. IEEE Transactions on Information Theory, 2017, , 1-1.	2.4	9

#	ARTICLE	IF	CITATIONS
19	Membership in Moment Polytopes is in NP and coNP. SIAM Journal on Computing, 2017, 46, 972-991.	1.0	10
20	On vanishing of Kronecker coefficients. Computational Complexity, 2017, 26, 949-992.	0.3	25
21	Entanglement from topology in Chern-Simons theory. Physical Review D, 2017, 95, .	4.7	14
22	Inequalities for moment cones of finite-dimensional representations. Journal of Symplectic Geometry, 2017, 15, 1209-1250.	0.5	8
23	Holographic duality from random tensor networks. Journal of High Energy Physics, 2016, 2016, 1.	4.7	355
24	Conditional mutual information of bipartite unitaries and scrambling. Journal of High Energy Physics, 2016, 2016, 1.	4.7	28
25	The holographic entropy cone. Journal of High Energy Physics, 2015, 2015, 1.	4.7	109
26	Holographic entropy inequalities and gapped phases of matter. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
27	Lower Bounds for Quantum Parameter Estimation. IEEE Transactions on Information Theory, 2014, 60, 8007-8023.	2.4	6
28	A Heisenberg limit for quantum region estimation. , 2014, , .		0
29	Eigenvalue Distributions of Reduced Density Matrices. Communications in Mathematical Physics, 2014, 332, 1-52.	2.2	34
30	Entanglement Polytopes: Multiparticle Entanglement from Single-Particle Information. Science, 2013, 340, 1205-1208.	12.6	120
31	Stabilizer information inequalities from phase space distributions. Journal of Mathematical Physics, 2013, 54, .	1.1	22
32	Computing Multiplicities of Lie Group Representations. , 2012, , .		12
33	Equivariant geometric K-homology for compact Lie-Group actions. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 2010, 80, 149-173.	0.2	13
34	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