

Yingkai Ouyang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Robust Quantum Metrology With Explicit Symmetric States. IEEE Transactions on Information Theory, 2022, 68, 1809-1821.	2.4	6
2	Linear Programming Bounds for Approximate Quantum Error Correction Over Arbitrary Quantum Channels. IEEE Transactions on Information Theory, 2022, 68, 5234-5247.	2.4	0
3	Quantum Key Distribution with Nonideal Heterodyne Detection: Composable Security of Discrete-Modulation Continuous-Variable Protocols. PRX Quantum, 2022, 3, .	9.2	10
4	Tight Bounds on the Simultaneous Estimation of Incompatible Parameters. Physical Review X, 2021, 11, .	8.9	27
5	Quantifying Quantum Speedups: Improved Classical Simulation From Tighter Magic Monotones. PRX Quantum, 2021, 2, .	9.2	41
6	Quantum storage in quantum ferromagnets. Physical Review B, 2021, 103, .	3.2	12
7	Avoiding coherent errors with rotated concatenated stabilizer codes. Npj Quantum Information, 2021, 7, .	6.7	7
8	Permutation-invariant quantum coding for quantum deletion channels. , 2021, , .		10
9	Trade-Offs on Number and Phase Shift Resilience in Bosonic Quantum Codes. IEEE Transactions on Information Theory, 2021, 67, 6644-6652.	2.4	1
10	The equivalence between correctability of deletions and insertions of separable states in quantum codes. , 2021, , .		2
11	Linear programming bounds for quantum amplitude damping codes. , 2020, , .		3
12	Permutation-Invariant Constant-Excitation Quantum Codes for Amplitude Damping. IEEE Transactions on Information Theory, 2020, 66, 2921-2933.	2.4	20
13	Faster quantum computation with permutations and resonant couplings. Linear Algebra and Its Applications, 2020, 592, 270-286.	0.9	7
14	Homomorphic encryption of linear optics quantum computation on almost arbitrary states of light with asymptotically perfect security. Physical Review Research, 2020, 2, .	3.6	8
15	Computing spectral bounds of the Heisenberg ferromagnet from geometric considerations. Journal of Mathematical Physics, 2019, 60, .	1.1	10
16	Causal Limit on Quantum Communication. Physical Review Letters, 2019, 123, 150502.	7.8	13
17	Initializing a permutation-invariant quantum error-correction code. Physical Review A, 2019, 99, .	2.5	11
18	Practical somewhat-secure quantum somewhat-homomorphic encryption with coherent states. Physical Review A, 2018, 97, .	2.5	9

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19	Classical verification of quantum circuits containing few basis changes. <i>Physical Review A</i> , 2018, 97, .	2.5	6
20	Quantum homomorphic encryption from quantum codes. <i>Physical Review A</i> , 2018, 98, .	2.5	32
21	Computing on quantum shared secrets. <i>Physical Review A</i> , 2017, 96, .	2.5	10
22	Permutation-invariant qudit codes from polynomials. <i>Linear Algebra and Its Applications</i> , 2017, 532, 43-59.	0.9	22
23	Permutation-invariant codes encoding more than one qubit. <i>Physical Review A</i> , 2016, 93, .	2.5	23
24	A quantum approach to homomorphic encryption. <i>Scientific Reports</i> , 2016, 6, 33467.	3.3	35
25	Permutation-invariant quantum codes. <i>Physical Review A</i> , 2014, 90, .	2.5	49
26	Concatenated Quantum Codes Can Attain the Quantum Gilbert–Varshamov Bound. <i>IEEE Transactions on Information Theory</i> , 2014, 60, 3117-3122.	2.4	13
27	Channel covariance, twirling, contraction and some upper bounds on the quantum capacity. <i>Quantum Information and Computation</i> , 2014, 14, 917-936.	0.3	12
28	Truncated quantum channel representations for coupled harmonic oscillators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 205301.	2.1	3
29	Compilation by stochastic Hamiltonian sparsification. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 4, 235.	0.0	34