

Daniel Gottesman

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

7,189
citations

430874

18
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

3712
citing authors

#	ARTICLE	IF	CITATIONS
1	Demonstrating the viability of universal quantum computation using teleportation and single-qubit operations. <i>Nature</i> , 1999, 402, 390-393.	27.8	1,389
2	How to Share a Quantum Secret. <i>Physical Review Letters</i> , 1999, 83, 648-651.	7.8	1,082
3	Encoding a qubit in an oscillator. <i>Physical Review A</i> , 2001, 64, .	2.5	907
4	Class of quantum error-correcting codes saturating the quantum Hamming bound. <i>Physical Review A</i> , 1996, 54, 1862-1868.	2.5	890
5	Improved simulation of stabilizer circuits. <i>Physical Review A</i> , 2004, 70, .	2.5	660
6	Theory of fault-tolerant quantum computation. <i>Physical Review A</i> , 1998, 57, 127-137.	2.5	543
7	Theory of quantum secret sharing. <i>Physical Review A</i> , 2000, 61, .	2.5	498
8	The resource theory of stabilizer quantum computation. <i>New Journal of Physics</i> , 2014, 16, 013009.	2.9	226
9	Longer-Baseline Telescopes Using Quantum Repeaters. <i>Physical Review Letters</i> , 2012, 109, 070503.	7.8	217
10	Causal and localizable quantum operations. <i>Physical Review A</i> , 2001, 64, .	2.5	135
11	The Power of Quantum Systems on a Line. <i>Communications in Mathematical Physics</i> , 2009, 287, 41-65.	2.2	108
12	Classicality in discrete Wigner functions. <i>Physical Review A</i> , 2006, 73, .	2.5	90
13	Secure multi-party quantum computation. , 2002, , .		78
14	Efficient computations of encodings for quantum error correction. <i>Physical Review A</i> , 1997, 56, 76-82.	2.5	71
15	Fault-tolerant quantum computation with local gates. <i>Journal of Modern Optics</i> , 2000, 47, 333-345.	1.3	68
16	Fault-Tolerant Quantum Computation with Higher-Dimensional Systems. <i>Lecture Notes in Computer Science</i> , 1999, , 302-313.	1.3	59
17	Secure Multiparty Quantum Computation with (Only) a Strict Honest Majority. , 2006, , .		58
18	GHZ extraction yield for multipartite stabilizer states. <i>Journal of Mathematical Physics</i> , 2006, 47, 062106.	1.1	32

#	ARTICLE	IF	CITATIONS
19	Diagonal gates in the Clifford hierarchy. <i>Physical Review A</i> , 2017, 95, .	2.5	31
20	Approximate Quantum Error-Correcting Codes and Secret Sharing Schemes. <i>Lecture Notes in Computer Science</i> , 2005, , 285-301.	1.3	22
21	The Power of Quantum Systems on a Line. , 2007, , .		14
22	Efficient fault tolerance. <i>Nature</i> , 2016, 540, 44-45.	27.8	7
23	Streaming Universal Distortion-Free Entanglement Concentration. <i>IEEE Transactions on Information Theory</i> , 2014, 60, 334-350.	2.4	4