

Ronald De Wolf

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,546
citations

623734

14
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

1407
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Fingerprinting. Physical Review Letters, 2001, 87, 167902.	7.8	739
2	Nonlocality and communication complexity. Reviews of Modern Physics, 2010, 82, 665-698.	45.6	396
3	Complexity measures and decision tree complexity: a survey. Theoretical Computer Science, 2002, 288, 21-43.	0.9	394
4	Quantum lower bounds by polynomials. Journal of the ACM, 2001, 48, 778-797.	2.2	356
5	Exponential lower bound for 2-query locally decodable codes via a quantum argument. Journal of Computer and System Sciences, 2004, 69, 395-420.	1.2	87
6	Guest Column. ACM SIGACT News, 2017, 48, 41-67.	0.1	86
7	Exponential Lower Bounds for Polytopes in Combinatorial Optimization. Journal of the ACM, 2015, 62, 1-23.	2.2	84
8	Quantum communication and complexity. Theoretical Computer Science, 2002, 287, 337-353.	0.9	62
9	Exponential lower bound for 2-query locally decodable codes via a quantum argument. , 2003, , .		57
10	Quantum and Classical Strong Direct Product Theorems and Optimal Time-Space Tradeoffs. SIAM Journal on Computing, 2007, 36, 1472-1493.	1.0	51
11	Exponential Separation for One-Way Quantum Communication Complexity, with Applications to Cryptography. SIAM Journal on Computing, 2009, 38, 1695-1708.	1.0	49
12	Nondeterministic Quantum Query and Communication Complexities. SIAM Journal on Computing, 2003, 32, 681-699.	1.0	43
13	A Hypercontractive Inequality for Matrix-Valued Functions with Applications to Quantum Computing and LDCs. , 2008, , .		43
14	Improved Lower Bounds for Locally Decodable Codes and Private Information Retrieval. Lecture Notes in Computer Science, 2005, , 1424-1436.	1.3	42
15	Error-Correcting Data Structures. SIAM Journal on Computing, 2013, 42, 84-111.	1.0	20
16	A New Quantum Lower Bound Method, with Applications to Direct Product Theorems and Time-Space Tradeoffs. Algorithmica, 2009, 55, 422-461.	1.3	15
17	Bounded-Error Quantum State Identification and Exponential Separations in Communication Complexity. SIAM Journal on Computing, 2009, 39, 1-24.	1.0	12
18	Two new results about quantum exact learning. Quantum - the Open Journal for Quantum Science, 0, 5, 587.	0.0	4

#	ARTICLE	IF	CITATIONS
19	Lightweight Detection of a Small Number of Large Errors in a Quantum Circuit. Quantum - the Open Journal for Quantum Science, 0, 5, 436.	0.0	3
20	How Low can Approximate Degree and Quantum Query Complexity be for Total Boolean Functions?. Computational Complexity, 2014, 23, 305-322.	0.3	2
21	How Low Can Approximate Degree and Quantum Query Complexity Be for Total Boolean Functions?. , 2013, , .		1