Ronald De Wolf

List of Publications by Year
in descending order

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	Guest Column. ACM SIGACT News, 2017, 48, 41-67.	0.1	86
2	Exponential Lower Bounds for Polytopes in Combinatorial Optimization. Journal of the ACM, 2015, 62, 1-23.	2.2	84
3	How Low can Approximate Degree and Quantum Query Complexity be for Total Boolean Functions?. Computational Complexity, 2014, 23, 305-322.	0.3	2
4	How Low Can Approximate Degree and Quantum Query Complexity Be for Total Boolean Functions?. , 2013, , .		1
5	Error-Correcting Data Structures. SIAM Journal on Computing, 2013, 42, 84-111.	1.0	20
6	Nonlocality and communication complexity. Reviews of Modern Physics, 2010, 82, 665-698.	45.6	396
7	A New Quantum Lower Bound Method, with Applications to Direct Product Theorems and Time-Space Tradeoffs. Algorithmica, 2009, 55, 422-461.	1.3	15
8	Bounded-Error Quantum State Identification and Exponential Separations in Communication Complexity. SIAM Journal on Computing, 2009, 39, 1-24.	1.0	12
9	Exponential Separation for One-Way Quantum Communication Complexity, with Applications to Cryptography. SIAM Journal on Computing, 2009, 38, 1695-1708.	1.0	49
10	A Hypercontractive Inequality for Matrix-Valued Functions with Applications to Quantum Computing and LDCs. , 2008, , .		43
11	Quantum and Classical Strong Direct Product Theorems and Optimal Time–Space Tradeoffs. SIAM Journal on Computing, 2007, 36, 1472-1493.	1.0	51
12	Improved Lower Bounds for Locally Decodable Codes and Private Information Retrieval. Lecture Notes in Computer Science, 2005, , 1424-1436.	1.3	42
13	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
14	Nondeterministic Quantum Query and Communication Complexities. SIAM Journal on Computing, 2003, 32, 681-699.	1.0	43
15	Exponential lower bound for 2-query locally decodable codes via a quantum argument. , 2003, , .		57
16	Complexity measures and decision tree complexity: a survey. Theoretical Computer Science, 2002, 288, 21-43.	0.9	394
17	Quantum communication and complexity. Theoretical Computer Science, 2002, 287, 337-353.	0.9	62
18	Quantum lower bounds by polynomials. Journal of the ACM, 2001, 48, 778-797.	2.2	356

#	Article	IF	Citations
19	Quantum Fingerprinting. Physical Review Letters, 2001, 87, 167902.	7.8	739
20	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
21	Two new results about quantum exact learning. Quantum - the Open Journal for Quantum Science, 0, 5, 587.	0.0	4