Alexander S Kulikov

List of Publications by Year
in descending order

34	20,433	1040056 9	610901 24
papers	citations	h-index	g-index

35	35	35	27048
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computing Majority by Constant Depth Majority Circuits with Low Fan-in Gates. Theory of Computing Systems, 2019, 63, 956-986.	1.1	0
2	Gate elimination: Circuit size lower bounds and #SAT upper bounds. Theoretical Computer Science, 2018, 719, 46-63.	0.9	2
3	Preface to the Special Issue on Computer Science in Russia 2016. Theory of Computing Systems, 2018, 62, 465-466.	1.1	0
4	Lower Bounds for Unrestricted Boolean Circuits: Open Problems. Lecture Notes in Computer Science, 2018, , 15-22.	1.3	0
5	Improving circuit size upper bounds using SAT-solvers. , 2018, , .		1
6	On the limits of gate elimination. Journal of Computer and System Sciences, 2018, 96, 107-119.	1.2	1
7	Parameterized Complexity of Secluded Connectivity Problems. Theory of Computing Systems, 2017, 61, 795-819.	1.1	7
8	Parameterized Complexity of Superstring Problems. Algorithmica, 2017, 79, 798-813.	1.3	0
9	Tight Lower Bounds on Graph Embedding Problems. Journal of the ACM, 2017, 64, 1-22.	2.2	10
10	A Better-Than-3n Lower Bound for the Circuit Complexity of an Explicit Function. , 2016, , .		18
11	Weighted Gate Elimination. , 2016, , .		2
12	Families with Infants. ACM Transactions on Algorithms, 2016, 12, 1-17.	1.0	2
13	New Lower Bounds on Circuit Size of Multi-output Functions. Theory of Computing Systems, 2015, 56, 630-642.	1.1	3
14	Lower Bounds for the Graph Homomorphism Problem. Lecture Notes in Computer Science, 2015, , 481-493.	1.3	2
15	Greedy Conjecture for Strings of Length 4. Lecture Notes in Computer Science, 2015, , 307-315.	1.3	3
16	Parameterized Complexity of Superstring Problems. Lecture Notes in Computer Science, 2015, , 89-99.	1.3	0
17	Solving SCS for bounded length strings in fewer than steps. Information Processing Letters, 2014, 114, 421-425.	0.6	8
18	Families with Infants: A General Approach to Solve Hard Partition Problems. Lecture Notes in Computer Science, 2014, , 551-562.	1.3	3

#	Article	IF	Citations
19	Approximating Shortest Superstring Problem Using de Bruijn Graphs. Lecture Notes in Computer Science, 2013, , 120-129.	1.3	7
20	Solving 3-Superstring in 3 n/3 Time. Lecture Notes in Computer Science, 2013, , 480-491.	1.3	2
21	SPAdes: A New Genome Assembly Algorithm and Its Applications to Single-Cell Sequencing. Journal of Computational Biology, 2012, 19, 455-477.	1.6	20,193
22	A 5nâ€‰â˜’â€‰o(n) Lower Bound on the Circuit Size over U 2 of a Linear Boolean Function. Lecture Notes in Computer Science, 2012, , 432-439.	1.3	1
23	An Elementary Proof of a 3nâ€‰â˜’â€‰o(n) Lower Bound on the Circuit Complexity of Affine Dispersers. Lecture Notes in Computer Science, 2011, , 256-265.	1.3	21
24	New upper bounds on the Boolean circuit complexity of symmetric functions. Information Processing Letters, 2010, 110, 264-267.	0.6	21
25	On convex complexity measures. Theoretical Computer Science, 2010, 411, 1842-1854.	0.9	7
26	Circuit Complexity and Multiplicative Complexity of Boolean Functions. Lecture Notes in Computer Science, 2010, , 239-245.	1.3	9
27	New upper bounds for the problem of maximal satisfiability. Discrete Mathematics and Applications, 2009, 19, .	0.2	6
28	On covering graphs by complete bipartite subgraphs. Discrete Mathematics, 2009, 309, 3399-3403.	0.7	21
29	Finding Efficient Circuits Using SAT-Solvers. Lecture Notes in Computer Science, 2009, , 32-44.	1.3	27
30	New Bounds for MAX-SAT by Clause Learning. Lecture Notes in Computer Science, 2007, , 194-204.	1.3	13
31	A new approach to proving upper bounds for MAX-2-SAT. , 2006, , .		21
32	Complexity of Semialgebraic Proofs with Restricted Degree of Falsity. Lecture Notes in Computer Science, 2006, , 11-21.	1.3	0
33	Automated Generation of Simplification Rules for SAT and MAXSAT. Lecture Notes in Computer Science, 2005, , 430-436.	1.3	15
34	Automated Proofs of Upper Bounds on the Running Time of Splitting Algorithms. Lecture Notes in Computer Science, 2004, , 248-259.	1.3	7