Kobbi Nissim

List of Publications by Year
in descending order

68 papers	9,889 citations	257357 24 h-index	315616 38 g-index
71 all docs	71 docs citations	71 times ranked	3831 citing authors

#	Article	IF	Citations
1	Evaluating 2-DNF Formulas on Ciphertexts. Lecture Notes in Computer Science, 2005, , 325-341.	1.0	991
2	Efficient Private Matching and Set Intersection. Lecture Notes in Computer Science, 2004, , 1-19.	1.0	687
3	Revealing information while preserving privacy. , 2003, , .		557
4	Smooth sensitivity and sampling in private data analysis. , 2007, , .		528
5	Practical privacy. , 2005, , .		503
6	What Can We Learn Privately?. SIAM Journal on Computing, 2011, 40, 793-826.	0.8	441
7	Extending Oblivious Transfers Efficiently. Lecture Notes in Computer Science, 2003, , 145-161.	1.0	405
8	What Can We Learn Privately?. , 2008, , .		200
9	Certificate revocation and certificate update. IEEE Journal on Selected Areas in Communications, 2000, 18, 561-570.	9.7	190
10	Privacy-Preserving Datamining on Vertically Partitioned Databases. Lecture Notes in Computer Science, 2004, , 528-544.	1.0	181
11	Generic Attacks on Secure Outsourced Databases. , 2016, , .		168
12	Analyzing Graphs with Node Differential Privacy. Lecture Notes in Computer Science, 2013, , 457-476.	1.0	156
13	Efficient Communication-Storage Tradeoffs for Multicast Encryption. Lecture Notes in Computer Science, 1999, , 459-474.	1.0	129
14	Firmato. ACM Transactions on Computer Systems, 2004, 22, 381-420.	0.6	116
15	Calibrating Noise to Sensitivity in Private Data Analysis. Journal of Privacy and Confidentiality, 2017, 7, 17-51.	1.1	115
16	Communication preserving protocols for secure function evaluation. , 2001, , .		105
17	GRECS. , 2015, , .		94
18	Approximately optimal mechanism design via differential privacy. , 2012, , .		79

#	Article	IF	Citations
19	Secure multiparty computation of approximations. ACM Transactions on Algorithms, 2006, 2, 435-472.	0.9	74
20	Privacy-aware mechanism design. , 2012, , .		73
21	Distributed Private Data Analysis: Simultaneously Solving How and What. Lecture Notes in Computer Science, 2008, , 451-468.	1.0	72
22	The Privacy Blanket of the Shuffle Model. Lecture Notes in Computer Science, 2019, , 638-667.	1.0	71
23	Efficient Set Operations in the Presence of Malicious Adversaries. Lecture Notes in Computer Science, 2010, , 312-331.	1.0	66
24	Secure Multiparty Computation of Approximations. Lecture Notes in Computer Science, 2001, , 927-938.	1.0	64
25	Efficient Set Intersection with Simulation-Based Security. Journal of Cryptology, 2016, 29, 115-155.	2.1	63
26	Private coresets. , 2009, , .		60
27	Efficient Set Operations in the Presence of Malicious Adversaries. Journal of Cryptology, 2012, 25, 383-433.	2.1	48
28	On the security of pay-per-click and other Web advertising schemes. Computer Networks, 1999, 31, 1091-1100.	3.2	47
29	Bounds on the Sample Complexity for Private Learning and Private Data Release. Lecture Notes in Computer Science, 2010, , 437-454.	1.0	46
30	Redrawing the boundaries on purchasing data from privacy-sensitive individuals. , 2014, , .		44
31	Algorithmic stability for adaptive data analysis. , 2016, , .		41
32	Differentially Private Release and Learning of Threshold Functions. , 2015, , .		38
33	Towards formalizing the GDPRâ€™s notion of singling out. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8344-8352.	3.3	35
34	Bounds on the sample complexity for private learning and private data release. Machine Learning, 2014, 94, 401-437.	3.4	34
35	Private Learning and Sanitization: Pure vs. Approximate Differential Privacy. Lecture Notes in Computer Science, 2013, , 363-378.	1.0	34
36	Impossibility of Differentially Private Universally Optimal Mechanisms. , 2010, , .		31

#	Article	IF	Citations
37	Private Summation in the Multi-Message Shuffle Model. , 2020, , .		30
38	Is privacy privacy ?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170358.	1.6	25
39	Characterizing the sample complexity of private learners. , 2013, , .		23
40	Private approximation of NP-hard functions. , 2001, , .		20
41	Differential Privacy: A Primer for a Non-Technical Audience. SSRN Electronic Journal, 0, , .	0.4	20
42	Communication Efficient Secure Linear Algebra. Lecture Notes in Computer Science, 2006, , 522-541.	1.0	19
43	On cutting a few vertices from a graph. Discrete Applied Mathematics, 2003, 127, 643-649.	0.5	17
44	Approximately Optimal Mechanism Design Via Differential Privacy. SSRN Electronic Journal, 0, , .	0.4	17
45	Approximating the minimum bisection size (extended abstract). , 2000, , .		15
46	Simultaneous Private Learning of Multiple Concepts. , 2016, , .		15
47	Impossibility of Differentially Private Universally Optimal Mechanisms. SIAM Journal on Computing, 2014, 43, 1513-1540.	0.8	14
48	Title is missing!. Theory of Computing, 2016, 12, 1-61.	0.3	14
49	Private approximation of search problems. , 2006, , .		12
50	Learning Privately with Labeled and Unlabeled Examples. , 2015, , .		9
51	Locating a Small Cluster Privately. , 2016, , .		9
52	Private Incremental Regression. , 2017, , .		7
53	Computational Two-Party Correlation: A Dichotomy for Key-Agreement Protocols. , 2018, , .		6
54	Private Data Analysis via Output Perturbation. The Kluwer International Series on Advances in Database Systems, 2008, , 383-414.	1.1	4

#	Article	IF	Citations
55	On the Round Complexity of the Shuffle Model. Lecture Notes in Computer Science, 2020, , 683-712.	1.0	4
56	Private Approximation of Search Problems. SIAM Journal on Computing, 2009, 38, 1728-1760.	0.8	3
57	Private Approximation of Clustering and Vertex Cover. , 2007, , 383-403.		3
58	First Issue Editorial. Journal of Privacy and Confidentiality, 2009, 1, .	1.1	3
59	Îµpsolute: Efficiently Querying Databases While Providing Differential Privacy. , 2021, , .		3
60	Private Approximation of Clustering and Vertex Cover. Computational Complexity, 2009, 18, 435-494.	0.2	2
61	Denials leak information: Simulatable auditing. Journal of Computer and System Sciences, 2013, 79, 1322-1340.	0.9	2
62	Segmentation, Incentives, and Privacy. Mathematics of Operations Research, 2018, 43, 1252-1268.	0.8	2
63	Communication vs. Computation. Computational Complexity, 2007, 16, 1-33.	0.2	1
64	Attacks on statistical databases: The highly noisy case. Information Processing Letters, 2013, 113, 409-413.	0.4	1
65	Learning Privately with Labeled and Unlabeled Examples. Algorithmica, 2021, 83, 177-215.	1.0	1
66	Foundations for Robust Data Protection: Co-designing Law and Computer Science. , 2021, , .		1
67	Dynamic algorithms against an adaptive adversary: generic constructions and lower bounds. , 2022, , .		1
68	How Should We Solve Search Problems Privately?. Journal of Cryptology, 2010, 23, 344-371.	2.1	0