

Sanjoy Dasgupta

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,140
citations

840776

11
h-index

1125743

13
g-index

17
all docs

17
docs citations

17
times ranked

1078
citing authors

#	ARTICLE	IF	CITATIONS
1	An elementary proof of a theorem of Johnson and Lindenstrauss. <i>Random Structures and Algorithms</i> , 2003, 22, 60-65.	1.1	569
2	A neural algorithm for a fundamental computing problem. <i>Science</i> , 2017, 358, 793-796.	12.6	150
3	Performance guarantees for hierarchical clustering. <i>Journal of Computer and System Sciences</i> , 2005, 70, 555-569.	1.2	132
4	Random Projection Trees for Vector Quantization. <i>IEEE Transactions on Information Theory</i> , 2009, 55, 3229-3242.	2.4	72
5	The Complexity of Approximating the Entropy. <i>SIAM Journal on Computing</i> , 2005, 35, 132-150.	1.0	63
6	Consistent Procedures for Cluster Tree Estimation and Pruning. <i>IEEE Transactions on Information Theory</i> , 2014, 60, 7900-7912.	2.4	30
7	A neural data structure for novelty detection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13093-13098.	7.1	29
8	The Sample Complexity of Learning Fixed-Structure Bayesian Networks. <i>Machine Learning</i> , 1997, 29, 165-180.	5.4	28
9	A tree-based regressor that adapts to intrinsic dimension. <i>Journal of Computer and System Sciences</i> , 2012, 78, 1496-1515.	1.2	23
10	Evaluating and improving the reliability of gas-phase sensor system calibrations across new locations for ambient measurements and personal exposure monitoring. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 4211-4239.	3.1	21
11	Habituation as a neural algorithm for online odor discrimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12402-12410.	7.1	13
12	A Theoretical Analysis of Query Selection for Collaborative Filtering. <i>Machine Learning</i> , 2003, 51, 283-298.	5.4	5
13	Random projection trees for vector quantization. , 2008, , .		2
14	DELPHI: Data E-platform for personalized population health. , 2013, , .		2
15	Reply to Semelidou and Skoulakis: "Short-term" habituation has multiple distinct mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20373-20374.	7.1	0