

# Sanghamitra Dutta

## List of Publications by Year in descending order

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14  
papers

497  
citations

1478505

6  
h-index

1720034

7  
g-index

14  
all docs

14  
docs citations

14  
times ranked

204  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Optimal Recovery Threshold of Coded Matrix Multiplication. IEEE Transactions on Information Theory, 2020, 66, 278-301.	2.4	146
2	Coded convolution for parallel and distributed computing within a deadline. , 2017, , .		89
3	â€œShort-Dotâ€ Computing Large Linear Transforms Distributedly Using Coded Short Dot Products. IEEE Transactions on Information Theory, 2019, 65, 6171-6193.	2.4	75
4	A Unified Coded Deep Neural Network Training Strategy based on Generalized PolyDot codes. , 2018, , .		57
5	On the optimal recovery threshold of coded matrix multiplication. , 2017, , .		53
6	An Application of Storage-Optimal MatDot Codes for Coded Matrix Multiplication: Fast k-Nearest Neighbors Estimation. , 2018, , .		28
7	Addressing Unreliability in Emerging Devices and Non-von Neumann Architectures Using Coded Computing. Proceedings of the IEEE, 2020, 108, 1219-1234.	21.3	12
8	An Information-Theoretic Quantification of Discrimination with Exempt Features. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 3825-3833.	4.9	11
9	Slow and Stale Gradients Can Win the Race. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 1012-1024.	2.5	9
10	Information Flow in Computational Systems. IEEE Transactions on Information Theory, 2020, 66, 5456-5491.	2.4	8
11	How should we define Information Flow in Neural Circuits?. , 2019, , .		5
12	Fairness Under Feature Exemptions: Counterfactual and Observational Measures. IEEE Transactions on Information Theory, 2021, 67, 6675-6710.	2.4	3
13	How else can we define Information Flow in Neural Circuits?. , 2020, , .		1
14	Adaptivity provably helps: Information-theoretic limits on $\frac{1}{\epsilon}$ cost of non-adaptive sensing. , 2016, , .		0