

Chinmay Hegde

List of Publications by Year in descending order

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26
papers

1,424
citations

1478505

6
h-index

1281871

11
g-index

27
all docs

27
docs citations

27
times ranked

1331
citing authors

#	ARTICLE	IF	CITATIONS
1	Sphynx: A Deep Neural Network Design for Private Inference. IEEE Security and Privacy, 2022, 20, 22-34.	1.2	5
2	The Benefits of Side Information for Structured Phase Retrieval. , 2021, , .		1
3	Fast inverse design of microstructures via generative invariance networks. Nature Computational Science, 2021, 1, 229-238.	8.0	23
4	Sparse signal recovery from modulo observations. Eurasip Journal on Advances in Signal Processing, 2021, 2021, .	1.7	4
5	Benefits of Jointly Training Autoencoders: An Improved Neural Tangent Kernel Analysis. IEEE Transactions on Information Theory, 2021, 67, 4669-4692.	2.4	7
6	On Consensus-Optimality Trade-offs in Collaborative Deep Learning. Frontiers in Artificial Intelligence, 2021, 4, 573731.	3.4	1
7	Improving Probe-Based Congestion Performance Metrics Accuracy by Using Change Point Detection. Journal of Big Data Analytics in Transportation, 2020, 2, 61-74.	3.0	2
8	Sample Efficient Fourier Ptychography for Structured Data. IEEE Transactions on Computational Imaging, 2020, 6, 344-357.	4.4	19
9	Quantifying vehicle control from physiology in type 1 diabetes. Traffic Injury Prevention, 2019, 20, S26-S31.	1.4	4
10	Sample-Efficient Algorithms for Recovering Structured Signals From Magnitude-Only Measurements. IEEE Transactions on Information Theory, 2019, 65, 4434-4456.	2.4	22
11	Fast and Provable Algorithms for Learning Two-Layer Polynomial Neural Networks. IEEE Transactions on Signal Processing, 2019, 67, 3361-3371.	5.3	3
12	Alternating Phase Projected Gradient Descent with Generative Priors for Solving Compressive Phase Retrieval. , 2019, , .		24
13	Fourier Phase Retrieval with Side Information Using Generative Prior. , 2019, , .		5
14	Tractable Learning of Sparsely Used Dictionaries from Incomplete Samples. , 2019, , .		0
15	Tractable Learning of Sparsely Used Dictionaries from Incomplete Samples. , 2019, , .		0
16	Towards Sample-Optimal Methods for Solving Random Quadratic Equations with Structure. , 2018, , .		4
17	PHASE RETRIEVAL FOR SIGNALS IN UNION OF SUBSPACES. , 2018, , .		2
18	Algorithmic Aspects of Inverse Problems Using Generative Models. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	Freeway Traffic Incident Detection from Cameras: A Semi-Supervised Learning Approach. , 2018, , .		25
20	Sub-Diffraction Imaging Using Fourier Ptychography and Structured Sparsity. , 2018, , .		5
21	Fast Algorithms for Demixing Sparse Signals From Nonlinear Observations. IEEE Transactions on Signal Processing, 2017, 65, 4209-4222.	5.3	11
22	Parallel computing heuristics for low-rank matrix completion. , 2017, , .		2
23	Stable recovery of sparse vectors from random sinusoidal feature maps. , 2017, , .		0
24	Reconstruction from periodic nonlinearities, with applications to HDR imaging. , 2017, , .		5
25	Bilevel feature selection in nearly-linear time. , 2016, , .		1
26	Model-Based Compressive Sensing. IEEE Transactions on Information Theory, 2010, 56, 1982-2001.	2.4	1,244