

Xiangxiang Xu

List of Publications by Year in descending order

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34
papers

308
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1684188

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8
g-index

34
all docs

34
docs citations

34
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	An Information Theoretic Interpretation to Deep Neural Networks. Entropy, 2022, 24, 135.	2.2	10
2	On Distributed Learning With Constant Communication Bits. IEEE Journal on Selected Areas in Information Theory, 2022, 3, 125-134.	2.5	3
3	On the Sample Complexity of HGR Maximal Correlation Functions for Large Datasets. IEEE Transactions on Information Theory, 2021, 67, 1951-1980.	2.4	0
4	An Information Theoretic Framework for Distributed Learning Algorithms. , 2021, , .		3
5	On Distributed Hypothesis Testing with Constant-Bit Communication Constraints. , 2021, , .		2
6	A Local Characterization for Wyner Common Information. , 2020, , .		3
7	On the Sample Complexity of Estimating Small Singular Modes. , 2020, , .		1
8	An Information-Theoretic Approach to Unsupervised Feature Selection for High-Dimensional Data. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 157-166.	2.5	5
9	On the Optimal Tradeoff Between Computational Efficiency and Generalizability of Oja's Algorithm. IEEE Access, 2020, 8, 102616-102628.	4.2	0
10	Maximal Correlation Regression. IEEE Access, 2020, 8, 26591-26601.	4.2	10
11	Enhancing the Data Learning With Physical Knowledge in Fine-Grained Air Pollution Inference. IEEE Access, 2020, 8, 88372-88384.	4.2	4
12	Fine-Grained Air Pollution Inference with Mobile Sensing Systems. , 2020, 4, 1-21.		5
13	An Information Theoretic Interpretation to Deep Neural Networks. , 2019, , .		15
14	On the Robustness of Noisy ACE Algorithm and Multi-Layer Residual Learning. , 2019, , .		2
15	An Efficient Approach to Informative Feature Extraction from Multimodal Data. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5281-5288.	4.9	39
16	Maximal Correlation Embedding Network for Multilabel Learning with Missing Labels. , 2019, , .		1
17	A maximal correlation embedding method for multilabel human context recognition. , 2019, , .		0
18	On the Asymptotic Sample Complexity of HGR Maximal Correlation Functions in Semi-supervised Learning. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	On The Sample Complexity of HGR Maximal Correlation Functions. , 2019, , .		4
20	PGA. , 2018, , .		25
21	Generative Model Based Fine-Grained Air Pollution Inference for Mobile Sensing Systems. , 2018, , .		5
22	Guiding the Data Learning Process with Physical Model in Air Pollution Inference. , 2018, , .		4
23	The Geometric Structure of Generalized Softmax Learning. , 2018, , .		1
24	EV charging behaviour analysis and modelling based on mobile crowdsensing data. IET Generation, Transmission and Distribution, 2017, 11, 1683-1691.	2.5	38
25	Delay Effect in Mobile Sensing System for Urban Air Pollution Monitoring. , 2017, , .		9
26	Individualized Calibration of Industrial-Grade Gas Sensors in Air Quality Sensing System. , 2017, , .		9
27	Deployment of 5G networking infrastructure with machine type communication considerations. , 2016, , .		7
28	Dynamic on/off control of wireless small cells with heterogeneous backhauls. , 2016, , .		2
29	HAP. , 2016, , .		25
30	Gotcha II. , 2016, , .		29
31	Joint Deployment of Small Cells and Wireless Backhaul Links in Next-Generation Networks. IEEE Communications Letters, 2015, 19, 2250-2253.	4.1	27
32	How to upgrade wireless networks: Small cells or massive MIMO?. , 2014, , .		0
33	Gotcha. , 2014, , .		12
34	A real-time implementation of CoMP transmission based on cloud-RAN infrastructure. , 2014, , .		6