

Muhammad Tayyab Asif

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

491
citations

1683354

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h-index

1872312

6
g-index

16
all docs

16
docs citations

16
times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the Impact of High-Fidelity Rainfall Data on Traffic Conditions and Traffic Prediction. Transportation Research Record, 2021, 2675, 1285-1300.	1.0	4
2	Denosing autoencoders for fast real-time traffic estimation on urban road networks. , 2017, , .		7
3	On Centralized and Decentralized Architectures for Traffic Applications. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1988-1997.	4.7	9
4	Matrix and Tensor Based Methods for Missing Data Estimation in Large Traffic Networks. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1816-1825.	4.7	112
5	Low-Dimensional Models for Compressed Sensing and Prediction of Large-Scale Traffic Data. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2949-2954.	4.7	37
6	Travel Time Estimation Using Speed Predictions. , 2015, , .		7
7	Near-Lossless Compression for Large Traffic Networks. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1817-1826.	4.7	12
8	Compressed prediction of large-scale urban traffic. , 2014, , .		2
9	Extracting commuting patterns in railway networks through matrix decompositions. , 2014, , .		4
10	Predicting traffic speed in urban transportation subnetworks for multiple horizons. , 2014, , .		15
11	Wavelets on graphs with application to transportation networks. , 2014, , .		21
12	Spatiotemporal Patterns in Large-Scale Traffic Speed Prediction. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 794-804.	4.7	159
13	Bayesian Support Vector Regression for traffic speed prediction with error bars. , 2013, , .		14
14	Data compression techniques for urban traffic data. , 2013, , .		24
15	CUR decomposition for compression and compressed sensing of large-scale traffic data. , 2013, , .		23
16	Low-dimensional models for missing data imputation in road networks. , 2013, , .		41