

# Muhammad Tayyab Asif

## List of Publications by Year in descending order

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16  
papers

491  
citations

1683354

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h-index

1872312

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g-index

16  
all docs

16  
docs citations

16  
times ranked

605  
citing authors

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