

Xing Wu

List of Publications by Year in descending order

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38
papers

1,206
citations

394421

19
h-index

395702

33
g-index

38
all docs

38
docs citations

38
times ranked

935
citing authors

#	ARTICLE	IF	CITATIONS
1	Volume-Occupancy-Based Actuated Signal Control System: Design and Implementation to Diamond Interchanges in Houston. <i>International Journal of Civil Engineering</i> , 2022, 20, 337-348.	2.0	2
2	Study of narrow waterways congestion based on automatic identification system (AIS) data: A case study of Houston Ship Channel. <i>Journal of Ocean Engineering and Science</i> , 2022, 7, 578-595.	4.3	11
3	Study on U-turn behavior of vessels in narrow waterways based on AIS data. <i>Ocean Engineering</i> , 2022, 246, 110608.	4.3	11
4	Quantifying Wide-Body Vessel Navigation Delay in Narrow Waterways: A Case Study at the Houston Ship Channel. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2022, 148, .	1.2	3
5	Investigation of Contributing Factors to Traffic Crash Severity in Southeast Texas Using Multiple Correspondence Analysis. <i>Journal of Road Safety</i> , 2021, 32, 15-28.	0.3	1
6	Optimal Deployment of Electric Bicycle Sharing Stations: Model Formulation and Solution Technique. <i>Networks and Spatial Economics</i> , 2020, 20, 99-136.	1.6	30
7	The impact of reliable range estimation on battery electric vehicle feasibility. <i>International Journal of Sustainable Transportation</i> , 2020, 14, 833-842.	4.1	17
8	Estimate travel time of ships in narrow channel based on AIS data. <i>Ocean Engineering</i> , 2020, 202, 106790.	4.3	21
9	Development of platoon-based actuated signal control systems to coordinated intersections: application in corridors in Houston. <i>IET Intelligent Transport Systems</i> , 2020, 14, 127-137.	3.0	4
10	Traffic equilibrium with a continuously distributed bound on travel weights: the rise of range anxiety and mental account. <i>Annals of Operations Research</i> , 2019, 273, 279-310.	4.1	11
11	Understanding the linkage between electric vehicle charging network coverage and charging opportunity using GPS travel data. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 98, 1-13.	7.6	56
12	Role of workplace charging opportunities on adoption of plug-in electric vehicles – Analysis based on GPS-based longitudinal travel data. <i>Energy Policy</i> , 2018, 114, 367-379.	8.8	31
13	Study of travel behavior of vessels in narrow waterways using AIS data – A case study in Sabine-Neches Waterways. <i>Ocean Engineering</i> , 2018, 147, 399-413.	4.3	32
14	Travel Behavior and Transportation Systems Analysis of Electric Vehicles. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-2.	1.7	4
15	Analysis of time-dependent travel time reliability for urban corridors: A case study in Houston. , 2016, , .		2
16	Analysis of waterway transportation in Southeast Texas waterway based on AIS data. <i>Ocean Engineering</i> , 2016, 121, 196-209.	4.3	84
17	Analysis of plug-in hybrid electric vehicles' utility factors using GPS-based longitudinal travel data. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 57, 1-12.	7.6	39
18	Study on mean-standard deviation shortest path problem in stochastic and time-dependent networks: A stochastic dominance based approach. <i>Transportation Research Part B: Methodological</i> , 2015, 80, 275-290.	5.9	27

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19	Network equilibrium of electric vehicles with stochastic range anxiety. , 2014, , .		2
20	Empirical analysis of the dependence structure in traffic data using copula function. , 2014, , .		2
21	Cost analysis of plug-in hybrid electric vehicles using GPS-based longitudinal travel data. Energy Policy, 2014, 68, 206-217.	8.8	40
22	Probability Analysis of Vessel Collisions and Groundings in Southeast Texas Waterways. Transportation Research Record, 2014, 2426, 44-53.	1.9	3
23	Impacts of Correlations on Reliable Shortest Path Finding. Transportation Research Record, 2013, 2334, 1-9.	1.9	36
24	Finding Reliable Shortest Paths in Dynamic Stochastic Networks. Transportation Research Record, 2013, 2333, 80-90.	1.9	8
25	Solving the Multiclass Percentile User Equilibrium Traffic Assignment Problem. Transportation Research Record, 2013, 2334, 75-83.	1.9	9
26	Optimal Path Problems with Second-Order Stochastic Dominance Constraints. Networks and Spatial Economics, 2012, 12, 561-587.	1.6	45
27	Reliable route guidance: A case study from Chicago. Transportation Research, Part A: Policy and Practice, 2012, 46, 403-419.	4.2	33
28	Modeling heterogeneous risk-taking behavior in route choice: A stochastic dominance approach. Transportation Research, Part A: Policy and Practice, 2011, 45, 896-915.	4.2	33
29	Application of Discrete Fourier Transform to Find Reliable Shortest Paths. Transportation Research Record, 2011, 2263, 82-91.	1.9	4
30	Modeling Heterogeneous Risk-Taking Behavior in Route Choice: A Stochastic Dominance Approach. Procedia, Social and Behavioral Sciences, 2011, 17, 382-404.	0.5	16
31	Implementation Issues for the Reliable a Priori Shortest Path Problem. Transportation Research Record, 2009, 2091, 51-60.	1.9	19
32	Shortest path problem considering on-time arrival probability. Transportation Research Part B: Methodological, 2009, 43, 597-613.	5.9	252
33	Reliable a Priori Shortest Path Problem with Limited Spatial and Temporal Dependencies. , 2009, , 169-195.		41
34	Modeling Graywater in Residences: Using Shower Effluent in the Toilet Reservoir. Journal of Green Building, 2007, 2, 109-120.	0.8	0
35	BEPASâ€”a life cycle building environmental performance assessment model. Building and Environment, 2006, 41, 669-675.	6.9	138
36	Study of the environmental impacts based on the â€œgreen taxâ€” applied to several types of building materials. Building and Environment, 2005, 40, 227-237.	6.9	56

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37	Input-output analysis of the Chinese construction sector. <i>Construction Management and Economics</i> , 2005, 23, 905-912.	3.0	35
38	Gabor wavelet representation for 3-D object recognition. <i>IEEE Transactions on Image Processing</i> , 1997, 6, 47-64.	9.8	48