

Xing Wu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Shortest path problem considering on-time arrival probability. <i>Transportation Research Part B: Methodological</i> , 2009, 43, 597-613.	5.9	252
2	BEPAS—a life cycle building environmental performance assessment model. <i>Building and Environment</i> , 2006, 41, 669-675.	6.9	138
3	Analysis of waterway transportation in Southeast Texas waterway based on AIS data. <i>Ocean Engineering</i> , 2016, 121, 196-209.	4.3	84
4	Study of the environmental impacts based on the “green tax” applied to several types of building materials. <i>Building and Environment</i> , 2005, 40, 227-237.	6.9	56
5	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
6	Gabor wavelet representation for 3-D object recognition. <i>IEEE Transactions on Image Processing</i> , 1997, 6, 47-64.	9.8	48
7	Optimal Path Problems with Second-Order Stochastic Dominance Constraints. <i>Networks and Spatial Economics</i> , 2012, 12, 561-587.	1.6	45
8	Reliable a Priori Shortest Path Problem with Limited Spatial and Temporal Dependencies. , 2009, , 169-195.		41
9	Cost analysis of plug-in hybrid electric vehicles using GPS-based longitudinal travel data. <i>Energy Policy</i> , 2014, 68, 206-217.	8.8	40
10	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
11	Impacts of Correlations on Reliable Shortest Path Finding. <i>Transportation Research Record</i> , 2013, 2334, 1-9.	1.9	36
12	Input-output analysis of the Chinese construction sector. <i>Construction Management and Economics</i> , 2005, 23, 905-912.	3.0	35
13	Modeling heterogeneous risk-taking behavior in route choice: A stochastic dominance approach. <i>Transportation Research, Part A: Policy and Practice</i> , 2011, 45, 896-915.	4.2	33
14	Reliable route guidance: A case study from Chicago. <i>Transportation Research, Part A: Policy and Practice</i> , 2012, 46, 403-419.	4.2	33
15	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
16	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
17	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
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

#	ARTICLE	IF	CITATIONS
19	Estimate travel time of ships in narrow channel based on AIS data. Ocean Engineering, 2020, 202, 106790.	4.3	21
20	Implementation Issues for the Reliable a Priori Shortest Path Problem. Transportation Research Record, 2009, 2091, 51-60.	1.9	19
21	The impact of reliable range estimation on battery electric vehicle feasibility. International Journal of Sustainable Transportation, 2020, 14, 833-842.	4.1	17
22	Modeling Heterogeneous Risk-Taking Behavior in Route Choice: A Stochastic Dominance Approach. Procedia, Social and Behavioral Sciences, 2011, 17, 382-404.	0.5	16
23	Traffic equilibrium with a continuously distributed bound on travel weights: the rise of range anxiety and mental account. Annals of Operations Research, 2019, 273, 279-310.	4.1	11
24	Study of narrow waterways congestion based on automatic identification system (AIS) data: A case study of Houston Ship Channel. Journal of Ocean Engineering and Science, 2022, 7, 578-595.	4.3	11
25	Study on U-turn behavior of vessels in narrow waterways based on AIS data. Ocean Engineering, 2022, 246, 110608.	4.3	11
26	Solving the Multiclass Percentile User Equilibrium Traffic Assignment Problem. Transportation Research Record, 2013, 2334, 75-83.	1.9	9
27	Finding Reliable Shortest Paths in Dynamic Stochastic Networks. Transportation Research Record, 2013, 2333, 80-90.	1.9	8
28	Application of Discrete Fourier Transform to Find Reliable Shortest Paths. Transportation Research Record, 2011, 2263, 82-91.	1.9	4
29	Travel Behavior and Transportation Systems Analysis of Electric Vehicles. Journal of Advanced Transportation, 2018, 2018, 1-2.	1.7	4
30	Development of platoon-based actuated signal control systems to coordinated intersections: application in corridors in Houston. IET Intelligent Transport Systems, 2020, 14, 127-137.	3.0	4
31	Probability Analysis of Vessel Collisions and Groundings in Southeast Texas Waterways. Transportation Research Record, 2014, 2426, 44-53.	1.9	3
32	Quantifying Wide-Body Vessel Navigation Delay in Narrow Waterways: A Case Study at the Houston Ship Channel. Journal of Waterway, Port, Coastal and Ocean Engineering, 2022, 148, .	1.2	3
33	Network equilibrium of electric vehicles with stochastic range anxiety. , 2014, , .		2
34	Empirical analysis of the dependence structure in traffic data using copula function. , 2014, , .		2
35	Analysis of time-dependent travel time reliability for urban corridors: A cast study in houston. , 2016, , .		2
36	Volume-Occupancy-Based Actuated Signal Control System: Design and Implementation to Diamond Interchanges in Houston. International Journal of Civil Engineering, 2022, 20, 337-348.	2.0	2

#	ARTICLE	IF	CITATIONS
37	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
38	Modeling Graywater in Residences: Using Shower Effluent in the Toilet Reservoir. <i>Journal of Green Building</i> , 2007, 2, 109-120.	0.8	0