

# Xiao-Bo Qu

## List of Publications by Year in descending order

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163  
papers

5,437  
citations

87723

38  
h-index

102304

66  
g-index

169  
all docs

169  
docs citations

169  
times ranked

3093  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Context-Aware Framework for Risky Driving Behavior Evaluation Based on Trajectory Data. IEEE Intelligent Transportation Systems Magazine, 2023, 15, 70-83.	2.6	9
2	The role of alternative fuel buses in the transition period of public transport electrification in Europe: a lifecycle perspective. International Journal of Sustainable Transportation, 2023, 17, 626-638.	2.1	4
3	Multi-Agent Fuzzy-Based Transit Signal Priority Control for Traffic Network Considering Conflicting Priority Requests. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1554-1564.	4.7	11
4	A Continuous Model for Designing Corridor Systems with Modular Autonomous Vehicles Enabling Station-wise Docking. Transportation Science, 2022, 56, 1-30.	2.6	16
5	Safe and Energy-Saving Vehicle-Following Driving Decision-Making Framework of Autonomous Vehicles. IEEE Transactions on Industrial Electronics, 2022, 69, 13859-13871.	5.2	8
6	Optimal Eco-Driving Control of Autonomous and Electric Trucks in Adaptation to Highway Topography: Energy Minimization and Battery Life Extension. IEEE Transactions on Transportation Electrification, 2022, 8, 2149-2163.	5.3	11
7	An Origin-Destination Demands-Based Multipath-Band Approach to Time-Varying Arterial Coordination. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17784-17800.	4.7	6
8	Flow-level coordination of connected and autonomous vehicles in multilane freeway ramp merging areas. , 2022, 1, 100005.		23
9	Limitations and suggestions of electric transit charge scheduling. Progress in Energy, 2022, 4, 023001.	4.6	3
10	Comprehensive comparison of e-scooter sharing mobility: Evidence from 30 European cities. Transportation Research, Part D: Transport and Environment, 2022, 105, 103229.	3.2	40
11	Deep dispatching: A deep reinforcement learning approach for vehicle dispatching on online ride-hailing platform. Transportation Research, Part E: Logistics and Transportation Review, 2022, 161, 102694.	3.7	47
12	On the role of battery degradation in en-route charge scheduling for an electric bus system. Transportation Research, Part E: Logistics and Transportation Review, 2022, 161, 102727.	3.7	23
13	How machine learning informs ride-hailing services: A survey. Communications in Transportation Research, 2022, 2, 100075.	4.9	43
14	A Dynamic Model Averaging for the Discovery of Time-Varying Weather-Cycling Patterns. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2786-2796.	4.7	2
15	Trajectory Optimization for a Connected Automated Traffic Stream: Comparison Between an Exact Model and Fast Heuristics. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2969-2978.	4.7	25
16	Modeling and field experiments on autonomous vehicle lane changing with surrounding human-driven vehicles. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 877-889.	6.3	29
17	Improving efficiency at highway T-junctions with connected and automated vehicles. Transportmetrica A: Transport Science, 2021, 17, 107-123.	1.3	9
18	Eco-driving control for connected and automated electric vehicles at signalized intersections with wireless charging. Applied Energy, 2021, 282, 116215.	5.1	44

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19	Customized bus route design with pickup and delivery and time windows: Model, case study and comparative analysis. Expert Systems With Applications, 2021, 168, 114242.	4.4	32
20	Integrated analysis for Transportation Systems in the Connected Era. Transportmetrica A: Transport Science, 2021, 17, 169-170.	1.3	0
21	On the Role of Battery Capacity Fading Mechanism in the Lifecycle Cost of Electric Bus Fleet. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2371-2380.	4.7	32
22	A Modified Full Velocity Difference Model with Acceleration and Deceleration Confinement: Calibrations, Validations, and Scenario Analyses. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 222-235.	2.6	19
23	Drone-Based Image Processing for Construction Site Safety, Transportation, and Progress Management. Smart Innovation, Systems and Technologies, 2021, , 21-26.	0.5	2
24	The cooperative sorting strategy for connected and automated vehicle platoons. Transportation Research Part C: Emerging Technologies, 2021, 123, 102986.	3.9	41
25	Sustainable and Resilient Transport Infrastructure. Journal of Advanced Transportation, 2021, 2021, 1-2.	0.9	2
26	Demand control model with combinatorial incentives and surcharges for one-way carsharing operation. Transportation Research Part C: Emerging Technologies, 2021, 125, 102999.	3.9	14
27	The adverse impact of electric vehicles on traffic congestion in the morning commute. Transportation Research Part C: Emerging Technologies, 2021, 125, 103073.	3.9	8
28	Development of parametric eco-driving models for fuel savings: A novel parameter calibration approach. International Journal of Transportation Science and Technology, 2021, , .	2.0	0
29	A platoon regulation algorithm to improve the traffic performance of highway work zones. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 941-956.	6.3	38
30	Extrapolation-enhanced model for travel decision making: An ensemble machine learning approach considering behavioral theory. Knowledge-Based Systems, 2021, 218, 106882.	4.0	27
31	Optimization of electric bus scheduling considering stochastic volatilities in trip travel time and energy consumption. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 1530-1548.	6.3	82
32	Spatial heterogeneity in distance decay of using bike sharing: An empirical large-scale analysis in Shanghai. Transportation Research, Part D: Transport and Environment, 2021, 94, 102814.	3.2	31
33	High-resolution assessment of environmental benefits of dockless bike-sharing systems based on transaction data. Journal of Cleaner Production, 2021, 296, 126423.	4.6	40
34	Cumulative prospect theory coupled with multi-attribute decision making for modeling travel behavior. Transportation Research, Part A: Policy and Practice, 2021, 148, 1-21.	2.0	45
35	Optimal route design of electric transit networks considering travel reliability. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 1229-1248.	6.3	14
36	Dynamic driving environment complexity quantification method and its verification. Transportation Research Part C: Emerging Technologies, 2021, 127, 103051.	3.9	9

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37	Keynote Address: Integrating Emerging Technologies with Transport Infrastructure System. , 2021, , .		0
38	Modeling drivers' scrambling behavior in China: An application of theory of planned behavior. Travel Behaviour & Society, 2021, 24, 164-171.	2.4	16
39	Quantification of the impact of traffic incidents on speed reduction: A causal inference based approach. Accident Analysis and Prevention, 2021, 157, 106163.	3.0	10
40	Examining nonlinear and interaction effects of multiple determinants on airline travel satisfaction. Transportation Research, Part D: Transport and Environment, 2021, 97, 102957.	3.2	21
41	A two-stage stochastic nonlinear integer-programming model for slot allocation of a liner container shipping service. Transportation Research Part B: Methodological, 2021, 150, 143-160.	2.8	18
42	A modular, adaptive, and autonomous transit system (MAATS): An in-motion transfer strategy and performance evaluation in urban grid transit networks. Transportation Research, Part A: Policy and Practice, 2021, 151, 81-98.	2.0	28
43	Emergency Vehicle Routing in Urban Road Networks with Multistakeholder Cooperation. Journal of Transportation Engineering Part A: Systems, 2021, 147, 04021064.	0.8	6
44	Speed planning for connected electric buses based on battery capacity loss. Journal of Cleaner Production, 2021, 321, 129031.	4.6	10
45	Emergency facility location problems in logistics: Status and perspectives. Transportation Research, Part E: Logistics and Transportation Review, 2021, 154, 102465.	3.7	38
46	Optimal electric bus fleet scheduling considering battery degradation and non-linear charging profile. Transportation Research, Part E: Logistics and Transportation Review, 2021, 154, 102445.	3.7	90
47	Diverging effects of subjective prospect values of uncertain time and money. Communications in Transportation Research, 2021, 1, 100007.	4.9	32
48	Model on empirically calibrating stochastic traffic flow fundamental diagram. Communications in Transportation Research, 2021, 1, 100015.	4.9	30
49	Simulation Analyses of Two On-Ramp Lane Arrangements. Journal of the Operations Research Society of China, 2020, 8, 375-390.	0.9	1
50	Dynamic headway control for high-frequency bus line based on speed guidance and intersection signal adjustment. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 4-25.	6.3	80
51	Hotspot identification considering daily variability of traffic flow and crash record: A case study. Journal of Transportation Safety and Security, 2020, 12, 275-291.	1.1	4
52	Development of an Efficient Driving Strategy for Connected and Automated Vehicles at Signalized Intersections: A Reinforcement Learning Approach. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 433-443.	4.7	169
53	Jointly dampening traffic oscillations and improving energy consumption with electric, connected and automated vehicles: A reinforcement learning based approach. Applied Energy, 2020, 257, 114030.	5.1	177
54	Emergency vehicle lane pre-clearing: From microscopic cooperation to routing decision making. Transportation Research Part B: Methodological, 2020, 141, 223-239.	2.8	60

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55	Minimizing the stop time of private vehicles at intersections with LRT signal priority systems. Transportation Research Procedia, 2020, 48, 939-945.	0.8	1
56	Novel Crash Surrogate Measure for Freeways. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	6
57	Revealing psychological inertia in mode shift behavior and its quantitative influences on commuting trips. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 71, 272-287.	1.8	78
58	Public transport trajectory planning with probabilistic guarantees. Transportation Research Part B: Methodological, 2020, 139, 81-101.	2.8	25
59	Field experiments on longitudinal characteristics of human driver behavior following an autonomous vehicle. Transportation Research Part C: Emerging Technologies, 2020, 114, 205-224.	3.9	76
60	A diverse, transdisciplinary, and high-quality journal in the era of digital revolution. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 916-917.	6.3	0
61	Roadworks Warning" Closure of a Lane, the Impact of C-ITS Messages. Infrastructures, 2020, 5, 27.	1.4	11
62	To Investigate the Hidden Gap between Traffic Flow Fundamental Diagrams and the Derived Microscopic Car Following Models: A Theoretical Analysis. Smart Innovation, Systems and Technologies, 2020, , 89-98.	0.5	0
63	Existing and Future Investigation of Charging Technology for Electric Bus. Smart Innovation, Systems and Technologies, 2020, , 19-27.	0.5	0
64	Emission Evaluation of Marine Traffic. Smart Innovation, Systems and Technologies, 2020, , 201-211.	0.5	1
65	The Impact of Increasing Minor Arterial Flow on Arterial Coordination: An Analysis Based on MAXBAND Model. Smart Innovation, Systems and Technologies, 2020, , 109-120.	0.5	0
66	Shore Power Price Competition Between Ports. Smart Innovation, Systems and Technologies, 2020, , 189-199.	0.5	0
67	Investigation on linearisation of data-driven transport research: two representative case studies. IET Intelligent Transport Systems, 2020, 14, 675-683.	1.7	0
68	Guest Editorial: Traffic Theory and Modelling in the Era of Artificial Intelligence and Big Data • Selected Papers from World Congress for Transport Research (WCTR) 2019. IET Intelligent Transport Systems, 2020, 14, 637-638.	1.7	0
69	A Modelling Framework of Drone Deployment for Monitoring Air Pollution from Ships. Smart Innovation, Systems and Technologies, 2019, , 281-288.	0.5	3
70	Development of a non-parametric classifier: Effective identification, algorithm, and applications in port state control for maritime transportation. Transportation Research Part B: Methodological, 2019, 128, 129-157.	2.8	73
71	Estimating Passenger Car Equivalent of Heavy Vehicles at Roundabout Entry Using Micro-Traffic Simulation. Frontiers in Built Environment, 2019, 5, .	1.2	5
72	Aging characteristics-based health diagnosis and remaining useful life prognostics for lithium-ion batteries. ETransportation, 2019, 1, 100004.	6.8	81

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73	Robust bus bridging service design under rail transit system disruptions. Transportation Research, Part E: Logistics and Transportation Review, 2019, 132, 97-116.	3.7	44
74	Emerging Mobility Systems [Guest Editorial]. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 8-11.	2.6	1
75	State of charge-dependent aging mechanisms in graphite/Li(NiCoAl)O <sub>2</sub> cells: Capacity loss modeling and remaining useful life prediction. Applied Energy, 2019, 255, 113818.	5.1	34
76	Connected infrastructure location design under additive service utilities. Transportation Research Part B: Methodological, 2019, 120, 99-124.	2.8	21
77	Discrete Optimization for Dynamic Systems of Operations Management in Data-Driven Society. Discrete Dynamics in Nature and Society, 2019, 2019, 1-5.	0.5	0
78	Blockchain Applications in Shipping, Transportation, Logistics, and Supply Chain. Smart Innovation, Systems and Technologies, 2019, , 225-231.	0.5	23
79	Optimising total entry delay at roundabouts with unbalanced flow: a dynamic strategy for smart metering. IET Intelligent Transport Systems, 2019, 13, 485-494.	1.7	7
80	Error Measures for Trajectory Estimations With Geo-Tagged Mobility Sample Data. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2566-2583.	4.7	5
81	Optimization of Signalized Intersections Equipped with LRV Signal Priority Systems by Minimizing Cars' Stop Time *. , 2019, , .		1
82	Overbooking and delivery-delay-allowed strategies for container slot allocation. Transportation Research, Part E: Logistics and Transportation Review, 2019, 122, 433-447.	3.7	19
83	Towards Eliminating Overreacted Vehicular Maneuvers: Part I Model Development and Calibration. Smart Innovation, Systems and Technologies, 2019, , 135-143.	0.5	0
84	Towards Eliminating Overreacted Vehicular Maneuvers: Part II Comparative Analyses. Smart Innovation, Systems and Technologies, 2019, , 145-154.	0.5	0
85	On the Impact of Emergency Incidents on the Freeway: A Full Velocity Difference (FVD) Model Based Four-Lane Traffic Dynamics Simulation. Smart Innovation, Systems and Technologies, 2019, , 165-174.	0.5	0
86	Modeling Relationship between Truck Fuel Consumption and Driving Behavior Using Data from Internet of Vehicles. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 209-219.	6.3	60
87	Reproducible generation of experimental data sample for calibrating traffic flow fundamental diagram. Transportation Research, Part A: Policy and Practice, 2018, 111, 41-52.	2.0	23
88	On the design and operational performance of waiting areas in at-grade signalized intersections: an overview. Transportmetrica A: Transport Science, 2018, 14, 901-928.	1.3	7
89	Tug scheduling for hinterland barge transport: A branch-and-price approach. European Journal of Operational Research, 2018, 265, 119-132.	3.5	52
90	A Comparative Study of Weather Effects on Black Spot Identification for Motorways and Urban Arterials Roads. , 2018, , .		0

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91	Trial-and-error train fare design scheme for addressing boarding/alighting congestion at CBD stations. <i>Transportation Research Part B: Methodological</i> , 2018, 118, 318-335.	2.8	35
92	A piecewise trajectory optimization model for connected automated vehicles: Exact optimization algorithm and queue propagation analysis. <i>Transportation Research Part B: Methodological</i> , 2018, 118, 429-456.	2.8	81
93	Minimizing the Average Delay at Intersections via Presignals and Speed Control. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-8.	0.9	9
94	On the impact of connected automated vehicles in freeway work zones: a cooperative cellular automata model based approach. <i>Journal of Intelligent and Connected Vehicles</i> , 2018, 1, 1-14.	3.6	15
95	Unmanned aerial vehicle scheduling problem for traffic monitoring. <i>Computers and Industrial Engineering</i> , 2018, 122, 15-23.	3.4	44
96	Simulation Analyses of Two On-Ramp Lane Arrangements. , 2018, , .		0
97	Improved Pedestrian Sight-Distance Needs at Railroad-Highway Grade Crossings. <i>Journal of Transportation Engineering Part A: Systems</i> , 2017, 143, 04017027.	0.8	5
98	Cruise itinerary schedule design. <i>IIE Transactions</i> , 2017, 49, 622-641.	1.6	11
99	Weekly container delivery patterns in liner shipping planning models. <i>Maritime Policy and Management</i> , 2017, 44, 442-457.	1.9	11
100	Ship type decision considering empty container repositioning and foldable containers. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017, 108, 97-121.	3.7	36
101	A recurrent neural network based microscopic car following model to predict traffic oscillation. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 84, 245-264.	3.9	205
102	On the stochastic fundamental diagram for freeway traffic: Model development, analytical properties, validation, and extensive applications. <i>Transportation Research Part B: Methodological</i> , 2017, 104, 256-271.	2.8	131
103	Cruise service planning considering berth availability and decreasing marginal profit. <i>Transportation Research Part B: Methodological</i> , 2017, 95, 1-18.	2.8	21
104	Station choice for Australian commuter rail lines: Equilibrium and optimal fare design. <i>European Journal of Operational Research</i> , 2017, 258, 144-154.	3.5	32
105	Advances in Modelling Connected and Automated Vehicles. <i>Journal of Advanced Transportation</i> , 2017, 2017, 1-3.	0.9	5
106	Optimal Container Routing in Liner Shipping Networks Considering Repacking 20ft Containers into 40ft Containers. <i>Journal of Advanced Transportation</i> , 2017, 2017, 1-9.	0.9	11
107	Mixed-Integer Linear Programming Models for Teaching Assistant Assignment and Extensions. <i>Scientific Programming</i> , 2017, 2017, 1-7.	0.5	4
108	Will higher traffic flow lead to more traffic conflicts? A crash surrogate metric based analysis. <i>PLoS ONE</i> , 2017, 12, e0182458.	1.1	11

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109	Risk and Safety of Complex Network Systems. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-3.	0.6	7
110	Optimal Allocation of Tunnel Safety Provisions Based on a Quantitative Risk Assessment Model. <i>Scientific Programming</i> , 2016, 2016, 1-5.	0.5	1
111	Cruise shipping review: operations planning and research opportunities. <i>Maritime Business Review</i> , 2016, 1, 133-148.	1.1	29
112	On the Impact of Cooperative Autonomous Vehicles in Improving Freeway Merging: A Modified Intelligent Driver Model-Based Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, , 1-7.	4.7	64
113	Evaluation of Roundabout Capacity Models: An Empirical Case Study. <i>Journal of Transportation Engineering</i> , 2016, 142, 04016066.	0.9	15
114	Minimax Regret Model for Liner Shipping Fleet Deployment with Uncertain Demand. <i>Transportation Research Record</i> , 2016, 2549, 45-53.	1.0	9
115	Stop-Line Setback at a Signalized Roundabout: A Novel Concept for Traffic Operations. <i>Journal of Transportation Engineering</i> , 2016, 142, .	0.9	18
116	Safety Fundamental Diagram on Freeways. , 2015, , .		2
117	Longâ€Distanceâ€Commuter (LDC) Lane: A New Concept for Freeway Traffic Management. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2015, 30, 815-823.	6.3	15
118	Development of a maximum likelihood regression tree-based model for predicting subway incident delay. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 57, 30-41.	3.9	17
119	On the fundamental diagram for freeway traffic: A novel calibration approach for single-regime models. <i>Transportation Research Part B: Methodological</i> , 2015, 73, 91-102.	2.8	157
120	In-depth analysis of driversâ€™ merging behavior and rear-end crash risks in work zone merging areas. <i>Accident Analysis and Prevention</i> , 2015, 77, 51-61.	3.0	77
121	A Crash Severity-Based Black Spot Identification Model. <i>Journal of Transportation Safety and Security</i> , 2015, 7, 268-277.	1.1	13
122	Collaborative mechanisms for berth allocation. <i>Advanced Engineering Informatics</i> , 2015, 29, 332-338.	4.0	28
123	Estimation of the perceived value of transit time for containerized cargoes. <i>Transportation Research, Part A: Policy and Practice</i> , 2015, 78, 298-308.	2.0	14
124	Estimating cycleway capacity and bicycle equivalent unit for electric bicycles. <i>Transportation Research, Part A: Policy and Practice</i> , 2015, 77, 225-248.	2.0	43
125	Analysis of the relationship between aggregated traffic volume and traffic conflicts on expressways. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 648-658.	1.3	11
126	Rural bus route design problem: Model development and case studies. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 1892-1896.	0.9	14



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127	Cluster-based lognormal distribution model for accident duration. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 345-363.	1.3	19
128	An improved multi-value cellular automata model for heterogeneous bicycle traffic flow. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2409-2416.	0.9	41
129	A tree-structured crash surrogate measure for freeways. <i>Accident Analysis and Prevention</i> , 2015, 77, 137-148.	3.0	119
130	How Does the Driver's Perception Reaction Time Affect the Performances of Crash Surrogate Measures?. <i>PLoS ONE</i> , 2015, 10, e0138617.	1.1	29
131	Estimation of Entry Capacity for Single-Lane Modern Roundabouts: Case Study in Queensland, Australia. <i>Journal of Transportation Engineering</i> , 2014, 140, .	0.9	24
132	Propagation and dissipation of crash risk on saturated freeways. <i>Transportmetrica B</i> , 2014, 2, 203-214.	1.4	11
133	Bus travel time reliability analysis: a case study. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2014, 167, 178-184.	0.3	17
134	A Review of Crash Surrogate Events. , 2014, , .		6
135	Probabilistic Capacity Modeling for Single-Lane Roundabout. , 2014, , .		0
136	Modelling Follow-Up Time at a Single-Lane Roundabout. , 2014, , .		0
137	Safety Evaluation for Expressways: A Comparative Study for Macroscopic and Microscopic Indicators. <i>Traffic Injury Prevention</i> , 2014, 15, 89-93.	0.6	79
138	Modelling follow up time at a single-lane roundabout. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2014, 1, 97-102.	2.0	8
139	Congestion Pricing with Distance Tolls: A Review and New Developments. , 2014, , .		2
140	A note on hotspot identification for urban expressways. <i>Safety Science</i> , 2014, 66, 87-91.	2.6	44
141	Liner Ship Fleet Deployment with Uncertain Demand. <i>Transportation Research Record</i> , 2014, 2409, 49-53.	1.0	5
142	Potential crash risks of expressway on-ramps and off-ramps: A case study in Beijing, China. <i>Safety Science</i> , 2014, 70, 58-62.	2.6	86
143	Strategies for Teaching Travel Time Uncertainty Modeling. , 2014, , .		0
144	Bus stop-skipping scheme with random travel time. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 35, 46-56.	3.9	245

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145	Bus dwell time estimation at bus bays: A probabilistic approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 36, 61-71.	3.9	99
146	Dynamic characteristics of traffic flow with consideration of pedestrians's road-crossing behavior. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 3881-3890.	1.2	39
147	Estimation of number of fatalities caused by toxic gases due to fire in road tunnels. <i>Accident Analysis and Prevention</i> , 2013, 50, 616-621.	3.0	22
148	Modelling correlation degree between two adjacent signalised intersections for dynamic subarea partition. <i>IET Intelligent Transport Systems</i> , 2013, 7, 28-35.	1.7	26
149	Vessel Collision Frequency Estimation in the Singapore Strait. <i>Journal of Navigation</i> , 2012, 65, 207-221.	1.0	117
150	Analyses and Implications of Accidents in Singapore Strait. <i>Transportation Research Record</i> , 2012, 2273, 106-111.	1.0	36
151	The economic importance of the Straits of Malacca and Singapore: An extreme-scenario analysis. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012, 48, 258-265.	3.7	61
152	Estimation of rear-end vehicle crash frequencies in urban road tunnels. <i>Accident Analysis and Prevention</i> , 2012, 48, 254-263.	3.0	147
153	Uncertainty Propagation in Quantitative Risk Assessment Modeling for Fire in Road Tunnels. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012, 42, 1454-1464.	3.3	33
154	An Overview of Maritime Waterway Quantitative Risk Assessment Models. <i>Risk Analysis</i> , 2012, 32, 496-512.	1.5	178
155	Development and applications of a simulation model for vessels in the Singapore Straits. <i>Expert Systems With Applications</i> , 2012, 39, 8430-8438.	4.4	54
156	Assessment of Expressway Traffic Safety Using Gaussian Mixture Model based on Time to Collision. <i>International Journal of Computational Intelligence Systems</i> , 2011, 4, 1122-1130.	1.6	32
157	Quantitative Risk Assessment Modeling for Nonhomogeneous Urban Road Tunnels. <i>Risk Analysis</i> , 2011, 31, 382-403.	1.5	38
158	QRA Model-Based Risk Impact Analysis of Traffic Flow in Urban Road Tunnels. <i>Risk Analysis</i> , 2011, 31, 1872-1882.	1.5	32
159	Ship collision risk assessment for the Singapore Strait. <i>Accident Analysis and Prevention</i> , 2011, 43, 2030-2036.	3.0	222
160	Design and implementation of a quantitative risk assessment software tool for Singapore road tunnels. <i>Expert Systems With Applications</i> , 2011, 38, 13827-13827.	4.4	30
161	A probabilistic quantitative risk assessment model for fire in road tunnels with parameter uncertainty. <i>International Journal of Reliability and Safety</i> , 2011, 5, 285.	0.2	5
162	A probabilistic quantitative risk assessment model for the long-term work zone crashes. <i>Accident Analysis and Prevention</i> , 2010, 42, 1866-1877.	3.0	71

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163	Maximum Likelihood Method of Speed Estimation from Single Loop Outputs. , 2009, , .		0