

William H K Lam

List of Publications by Year in descending order

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266

papers

8,944

citations

34105

52

h-index

64796

79

g-index

280

all docs

280

docs citations

280

times ranked

4347

citing authors

#	ARTICLE	IF	CITATIONS
1	Bus arrival time prediction at bus stop with multiple routes. Transportation Research Part C: Emerging Technologies, 2011, 19, 1157-1170.	7.6	256
2	Revisiting Hughes's™ dynamic continuum model for pedestrian flow and the development of an efficient solution algorithm. Transportation Research Part B: Methodological, 2009, 43, 127-141.	5.9	241
3	Modeling impacts of adverse weather conditions on a road network with uncertainties in demand and supply. Transportation Research Part B: Methodological, 2008, 42, 890-910.	5.9	231
4	Modeling and solving the dynamic user equilibrium route and departure time choice problem in network with queues. Transportation Research Part B: Methodological, 2002, 36, 253-273.	5.9	225
5	A Reliability-Based Stochastic Traffic Assignment Model for Network with Multiple User Classes under Uncertainty in Demand. Networks and Spatial Economics, 2006, 6, 173-204.	1.6	208
6	Global optimization method for mixed transportation network design problem: A mixed-integer linear programming approach. Transportation Research Part B: Methodological, 2011, 45, 808-827.	5.9	173
7	Pedestrian Speed/Flow Relationships for Walking Facilities in Hong Kong. Journal of Transportation Engineering, 2000, 126, 343-349.	0.9	149
8	Map-matching algorithm for large-scale low-frequency floating car data. International Journal of Geographical Information Science, 2014, 28, 22-38.	4.8	138
9	Modeling time-dependent travel choice problems in road networks with multiple user classes and multiple parking facilities. Transportation Research Part B: Methodological, 2006, 40, 368-395.	5.9	129
10	Bidirectional Pedestrian Stream Model with Oblique Intersecting Angle. Journal of Transportation Engineering, 2010, 136, 234-242.	0.9	120
11	A combined trip distribution and assignment model for multiple user classes. Transportation Research Part B: Methodological, 1992, 26, 275-287.	5.9	119
12	Finding Reliable Shortest Paths in Road Networks Under Uncertainty. Networks and Spatial Economics, 2013, 13, 123-148.	1.6	118
13	Pedestrian Route Choices between Escalator and Stairway in MTR Stations. Journal of Transportation Engineering, 1998, 124, 277-285.	0.9	114
14	Title is missing!. Transportation, 2002, 29, 169-192.	4.0	110
15	The generalized Nash equilibrium model for oligopolistic transit market with elastic demand. Transportation Research Part B: Methodological, 2005, 39, 519-544.	5.9	101
16	Reliable shortest path finding in stochastic networks with spatial correlated link travel times. International Journal of Geographical Information Science, 2012, 26, 365-386.	4.8	99
17	An activity-based time-dependent traffic assignment model. Transportation Research Part B: Methodological, 2001, 35, 549-574.	5.9	97
18	A capacity restraint transit assignment with elastic line frequency. Transportation Research Part B: Methodological, 2002, 36, 919-938.	5.9	94

#	ARTICLE	IF	CITATIONS
19	Optimal road tolls under conditions of queueing and congestion. Transportation Research, Part A: Policy and Practice, 1996, 30, 319-332.	4.2	89
20	Dynamic stochastic transit assignment with explicit seat allocation model. Transportation Research Part B: Methodological, 2009, 43, 895-912.	5.9	87
21	Reliable Shortest Path Problems in Stochastic Time-Dependent Networks. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2014, 18, 177-189.	4.2	85
22	Vulnerability analysis for large-scale and congested road networks with demand uncertainty. Transportation Research, Part A: Policy and Practice, 2012, 46, 501-516.	4.2	84
23	Environmentally Sustainable Toll Design for Congested Road Networks with Uncertain Demand. International Journal of Sustainable Transportation, 2012, 6, 127-155.	4.1	83
24	Stochastic multi-modal transport network under demand uncertainties and adverse weather condition. Transportation Research Part C: Emerging Technologies, 2011, 19, 338-350.	7.6	82
25	A reliability-based land use and transportation optimization model. Transportation Research Part C: Emerging Technologies, 2011, 19, 351-362.	7.6	80
26	Design of a rail transit line for profit maximization in a linear transportation corridor. Transportation Research, Part E: Logistics and Transportation Review, 2012, 48, 50-70.	7.4	80
27	Modeling intermodal equilibrium for bimodal transportation system design problems in a linear monocentric city. Transportation Research Part B: Methodological, 2012, 46, 30-49.	5.9	78
28	MODELING AIR PASSENGER TRAVEL BEHAVIOR ON AIRPORT GROUND ACCESS MODE CHOICES. Transportmetrica, 2008, 4, 135-153.	1.8	74
29	Forecasting cargo growth and regional role of the port of Hong Kong. Cities, 2003, 20, 51-64.	5.6	73
30	Forecasts and Reliability Analysis of Port Cargo Throughput in Hong Kong. Journal of the Urban Planning and Development Division, ASCE, 2004, 130, 133-144.	1.7	72
31	A Stochastic Vehicle Routing Problem with Travel Time Uncertainty: Trade-Off Between Cost and Customer Service. Networks and Spatial Economics, 2013, 13, 471-496.	1.6	71
32	New technology and the modeling of risk-taking behavior in congested road networks. Transportation Research Part C: Emerging Technologies, 2004, 12, 171-192.	7.6	70
33	Spatiotemporal data model for network time geographic analysis in the era of big data. International Journal of Geographical Information Science, 2016, 30, 1041-1071.	4.8	70
34	An activity-based approach for scheduling multimodal transit services. Transportation, 2010, 37, 751-774.	4.0	69
35	Modeling stochastic perception error in the mean-excess traffic equilibrium model. Transportation Research Part B: Methodological, 2011, 45, 1619-1640.	5.9	69
36	Measuring place-based accessibility under travel time uncertainty. International Journal of Geographical Information Science, 2017, 31, 783-804.	4.8	69

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37	A microscopic pedestrian-simulation model and its application to intersecting flows. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 515-526.	2.6	68
38	Reliable Space-Time Prisms Under Travel Time Uncertainty. Annals of the American Association of Geographers, 2013, 103, 1502-1521.	3.0	67
39	A network equilibrium approach for modelling activity-travel pattern scheduling problems in multi-modal transit networks with uncertainty. Transportation, 2014, 41, 37-55.	4.0	64
40	Bottleneck model revisited: An activity-based perspective. Transportation Research Part B: Methodological, 2014, 68, 262-287.	5.9	64
41	USING AUTOMATIC VEHICLE IDENTIFICATION DATA FOR TRAVEL TIME ESTIMATION IN HONG KONG. Transportmetrica, 2008, 4, 179-194.	1.8	63
42	The Optimal Transit Fare Structure under Different Market Regimes with Uncertainty in the Network. Networks and Spatial Economics, 2009, 9, 191-216.	1.6	63
43	Modeling Park-and-Ride Services in a Multimodal Transport Network with Elastic Demand. Transportation Research Record, 2007, 1994, 101-109.	1.9	61
44	Estimation of mean and covariance of peak hour origin-destination demands from day-to-day traffic counts. Transportation Research Part B: Methodological, 2014, 68, 52-75.	5.9	61
45	A study of crowding effects at the Hong Kong light rail transit stations. Transportation Research, Part A: Policy and Practice, 1999, 33, 401-415.	4.2	60
46	Modeling the interactions between car and bicycle in heterogeneous traffic. Journal of Advanced Transportation, 2015, 49, 29-47.	1.7	60
47	A study of train dwelling time at the hong kong mass transit railway system. Journal of Advanced Transportation, 1998, 32, 285-295.	1.7	58
48	Modeling the Effects of Rainfall Intensity on Traffic Speed, Flow, and Density Relationships for Urban Roads. Journal of Transportation Engineering, 2013, 139, 758-770.	0.9	58
49	Shortest Path Finding Problem in Stochastic Time-Dependent Road Networks With Stochastic First-In-First-Out Property. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1907-1917.	8.0	56
50	Simulating pedestrian movements at signalized crosswalks in Hong Kong. Transportation Research, Part A: Policy and Practice, 2008, 42, 1314-1325.	4.2	55
51	Dynamic user optimal traffic assignment model for many to one travel demand. Transportation Research Part B: Methodological, 1995, 29, 243-259.	5.9	54
52	Integrated Model for Lane-Use and Signal-Phase Designs. Journal of Transportation Engineering, 1997, 123, 114-122.	0.9	54
53	How Park-and-Ride Schemes Can Be Successful in Eastern Asia. Journal of the Urban Planning and Development Division, ASCE, 2001, 127, 63-78.	1.7	54
54	Modeling the impacts of mandatory and discretionary lane-changing maneuvers. Transportation Research Part C: Emerging Technologies, 2016, 68, 403-424.	7.6	54

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55	Finding the k reliable shortest paths under travel time uncertainty. Transportation Research Part B: Methodological, 2016, 94, 189-203.	5.9	53
56	On-time delivery probabilistic models for the vehicle routing problem with stochastic demands and time windows. European Journal of Operational Research, 2016, 249, 144-154.	5.7	53
57	Comparison of Four Modeling Techniques for Short-Term AADT Forecasting in Hong Kong. Journal of Transportation Engineering, 2003, 129, 271-277.	0.9	52
58	Demand-Driven Traffic Assignment Problem Based on Travel Time Reliability. Transportation Research Record, 2006, 1985, 220-230.	1.9	52
59	An efficient discontinuous Galerkin method on triangular meshes for a pedestrian flow model. International Journal for Numerical Methods in Engineering, 2008, 76, 337-350.	2.8	51
60	An efficient solution algorithm for solving multi-class reliability-based traffic assignment problem. Mathematical and Computer Modelling, 2011, 54, 1428-1439.	2.0	51
61	Modeling the effects of integrated rail and property development on the design of rail line services in a linear monocentric city. Transportation Research Part B: Methodological, 2012, 46, 710-728.	5.9	51
62	Intelligent simulation and prediction of traffic flow dispersion. Transportation Research Part B: Methodological, 2001, 35, 843-863.	5.9	50
63	A generalised function for modeling bi-directional flow effects on indoor walkways in Hong Kong. Transportation Research, Part A: Policy and Practice, 2003, 37, 789-810.	4.2	50
64	A reactive dynamic continuum user equilibrium model for bi-directional pedestrian flows. Acta Mathematica Scientia, 2009, 29, 1541-1555.	1.0	50
65	Optimal route allocation in a liberalizing airline market. Transportation Research Part B: Methodological, 2010, 44, 886-902.	5.9	50
66	Modelling joint activity-travel pattern scheduling problem in multi-modal transit networks. Transportation, 2018, 45, 23-49.	4.0	50
67	Optimal Fare Structure for Transit Networks with Elastic Demand. Transportation Research Record, 2000, 1733, 8-14.	1.9	49
68	Understanding the Impacts of Human Mobility on Accessibility Using Massive Mobile Phone Tracking Data. Annals of the American Association of Geographers, 2018, 108, 1115-1133.	2.2	49
69	A traffic flow simulator for network reliability assessment. Journal of Advanced Transportation, 1999, 33, 159-182.	1.7	48
70	Estimation of AADT from short period counts in hong kong - A comparison between neural network method and regression analysis. Journal of Advanced Transportation, 2000, 34, 249-268.	1.7	47
71	Short-term Hourly Traffic Forecasts using Hong Kong Annual Traffic Census. Transportation, 2006, 33, 291-310.	4.0	47
72	A Model for Evaluation of Transport Policies in Multimodal Networks with Road and Parking Capacity Constraints. Mathematical Modelling and Algorithms, 2007, 6, 239-257.	0.5	45

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73	Evaluation of Count Location Selection Methods for Estimation of O-D Matrices. Journal of Transportation Engineering, 1998, 124, 376-383.	0.9	43
74	Incorporating passenger perceived service quality in airport ground access mode choice model. Transportmetrica, 2010, 6, 3-17.	1.8	43
75	Measuring temporal variation of location-based accessibility using space-time utility perspective. Journal of Transport Geography, 2018, 73, 13-24.	5.0	43
76	Understanding travel time uncertainty impacts on the equity of individual accessibility. Transportation Research, Part D: Transport and Environment, 2019, 75, 156-169.	6.8	43
77	Demand-Driven Traffic Assignment Problem Based on Travel Time Reliability. Transportation Research Record, 2006, 1985, 220-230.	1.9	42
78	Modelling rain effects on risk-taking behaviours of multi-user classes in road networks with uncertainty. Journal of Advanced Transportation, 2008, 42, 265-290.	1.7	42
79	General stochastic user equilibrium traffic assignment problem with link capacity constraints. Journal of Advanced Transportation, 2008, 42, 429-465.	1.7	42
80	Sustainable Transportation Network Design with Stochastic Demands and Chance Constraints. International Journal of Sustainable Transportation, 2015, 9, 126-144.	4.1	42
81	The Impact of Travel Time Reliability and Perceived Service Quality on Airport Ground Access Mode Choice. Journal of Choice Modelling, 2011, 4, 49-69.	2.3	40
82	Design of Sustainable Cordon Toll Pricing Schemes in a Monocentric City. Networks and Spatial Economics, 2014, 14, 133-158.	1.6	39
83	A combined activity/travel choice model for congested road networks with queues. Transportation, 2002, 29, 5-29.	4.0	38
84	Comparison of two non-parametric models for daily traffic forecasting in Hong Kong. Journal of Forecasting, 2006, 25, 173-192.	2.8	38
85	A dynamic network loading model for anisotropic and congested pedestrian flows. Transportation Research Part B: Methodological, 2017, 95, 149-168.	5.9	38
86	Transit technology investment and selection under urban population volatility: A real option perspective. Transportation Research Part B: Methodological, 2015, 78, 318-340.	5.9	37
87	A simulation-based reliability assessment approach for congested transit network. Journal of Advanced Transportation, 2004, 38, 27-44.	1.7	36
88	Dynamic user equilibrium with side constraints for a traffic network: Theoretical development and numerical solution algorithm. Transportation Research Part B: Methodological, 2011, 45, 1035-1061.	5.9	36
89	A reliability-based traffic assignment model for multi-modal transport network under demand uncertainty. Journal of Advanced Transportation, 2014, 48, 66-85.	1.7	36
90	USE OF TRAVEL DEMAND SATISFACTION TO ASSESS ROAD NETWORK RELIABILITY. Transportmetrica, 2007, 3, 139-171.	1.8	35

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91	Optimal density of radial major roads in a two-dimensional monocentric city with endogenous residential distribution and housing prices. <i>Regional Science and Urban Economics</i> , 2013, 43, 927-937.	2.6	35
92	Step tolling in an activity-based bottleneck model. <i>Transportation Research Part B: Methodological</i> , 2017, 101, 306-334.	5.9	35
93	Risk Analysis of Traffic and Revenue Forecasts for Road Investment Projects. <i>Journal of Infrastructure Systems</i> , 1998, 4, 19-27.	1.8	33
94	Modeling the Effects of Public Bicycle Schemes in a Congested Multi-Modal Road Network. <i>International Journal of Sustainable Transportation</i> , 2015, 9, 282-297.	4.1	33
95	Combined Activity/Travel Choice Models: Time-Dependent and Dynamic Versions. <i>Networks and Spatial Economics</i> , 2003, 3, 323-347.	1.6	32
96	Modelling heterogeneous drivers' responses to route guidance and parking information systems in stochastic and time-dependent networks. <i>Transportmetrica</i> , 2012, 8, 105-129.	1.8	32
97	Levels of Service for Stairway in Hong Kong Underground Stations. <i>Journal of Transportation Engineering</i> , 2003, 129, 196-202.	0.9	31
98	Combined Modal Split and Stochastic Assignment Model for Congested Networks with Motorized and Nonmotorized Transport Modes. <i>Transportation Research Record</i> , 2003, 1831, 57-64.	1.9	31
99	An energy-efficient reliable path finding algorithm for stochastic road networks with electric vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 102, 450-473.	7.6	31
100	Multiclass multilane model for freeway traffic mixed with connected automated vehicles and regular human-piloted vehicles. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 5-33.	2.0	31
101	Capacity-Constrained Traffic Assignment in Networks with Residual Queues. <i>Journal of Transportation Engineering</i> , 2000, 126, 121-128.	0.9	30
102	A traffic flow simulator for short-term travel time forecasting. <i>Journal of Advanced Transportation</i> , 2002, 36, 265-291.	1.7	30
103	Determination of service levels for passenger orientation in Hong Kong International Airport. <i>Journal of Air Transport Management</i> , 2004, 10, 181-189.	4.5	30
104	Application of automatic vehicle identification technology for real-time journey time estimation. <i>Information Fusion</i> , 2011, 12, 11-19.	19.1	30
105	Reliability analysis of traffic noise estimates in Hong Kong. <i>Transportation Research, Part D: Transport and Environment</i> , 1998, 3, 239-248.	6.8	29
106	Real-Time Estimation of Arterial Travel Times with Spatial Travel Time Covariance Relationships. <i>Transportation Research Record</i> , 2009, 2121, 102-109.	1.9	29
107	A bibliometric overview of Transportation Research Part B: Methodological in the past forty years (1979-2019). <i>Transportation Research Part B: Methodological</i> , 2020, 138, 268-291.	5.9	29
108	Integrated optimal control strategies for freeway traffic mixed with connected automated vehicles: A model-based reinforcement learning approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 123, 102987.	7.6	29

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109	Calibration of the combined trip distribution and assignment model for multiple user classes. Transportation Research Part B: Methodological, 1992, 26, 289-305.	5.9	28
110	A Hybrid Link&Node Approach for Finding Shortest Paths in Road Networks with Turn Restrictions. Transactions in GIS, 2015, 19, 915-929.	2.3	28
111	Efficient algorithm for finding k shortest paths based on re-optimization technique. Transportation Research, Part E: Logistics and Transportation Review, 2020, 133, 101819.	7.4	28
112	Distributions of queue lengths at fixed time traffic signals. Transportation Research Part B: Methodological, 1996, 30, 421-439.	5.9	27
113	Evaluation and Design of Transport Network Capacity under Demand Uncertainty. Transportation Research Record, 2009, 2090, 17-28.	1.9	26
114	Optimal and robust strategies for freeway traffic management under demand and supply uncertainties: an overview and general theory. Transportmetrica A: Transport Science, 2014, 10, 849-877.	2.0	26
115	Short-term travel time forecasts for transport information system in hong kong. Journal of Advanced Transportation, 2005, 39, 289-306.	1.7	25
116	Reliability Evaluation for Stochastic and Time-dependent Networks with Multiple Parking Facilities. Networks and Spatial Economics, 2008, 8, 355-381.	1.6	25
117	Development of a Bidirectional Pedestrian Stream Model with an Oblique Intersecting Angle. Journal of Transportation Engineering, 2013, 139, 678-685.	0.9	25
118	Most reliable path-finding algorithm for maximizing on-time arrival probability. Transportmetrica B, 2017, 5, 248-264.	2.3	25
119	Balance of Car Ownership under User Demand and Road Network Supply Conditions"Case Study in Hong Kong. Journal of the Urban Planning and Development Division, ASCE, 2004, 130, 24-36.	1.7	24
120	The multi-class schedule-based transit assignment model under network uncertainties. Public Transport, 2010, 2, 69-86.	2.7	24
121	Modelling impacts of adverse weather conditions on activity"travel pattern scheduling in multi-modal transit networks. Transportmetrica B, 2014, 2, 151-167.	2.3	24
122	Modeling Impact of Transit Operator Fleet Size under various Market Regimes with Uncertainty in Network. Transportation Research Record, 2008, 2063, 18-27.	1.9	23
123	Efficient solution algorithm for finding spatially dependent reliable shortest path in road networks. Journal of Advanced Transportation, 2016, 50, 1413-1431.	1.7	23
124	Network Reserve Capacity under Influence of Traveler Information. Journal of Transportation Engineering, 2003, 129, 262-270.	0.9	22
125	Modified Evans' algorithms for solving the combined trip distribution and assignment problem. Transportation Research Part B: Methodological, 1992, 26, 325-337.	5.9	21
126	A risk"averse user equilibrium model for route choice problem in signal"controlled networks. Journal of Advanced Transportation, 2010, 44, 219-230.	1.7	21

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127	On the allocation of new lines in a competitive transit network with uncertain demand and scale economies. Journal of Advanced Transportation, 2011, 45, 233-251.	1.7	21
128	An integrated design of sustainable land use and transportation system with uncertainty in future population. Transportmetrica A: Transport Science, 2014, 10, 160-185.	2.0	21
129	A model of deadheading trips and pick-up locations for ride-hailing service vehicles. Transportation Research, Part A: Policy and Practice, 2020, 135, 289-308.	4.2	21
130	An Integrated Reinforcement Learning and Centralized Programming Approach for Online Taxi Dispatching. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4742-4756.	11.3	21
131	Estimation of origin-destination matrix from traffic counts: a comparison of entropy maximizing and information minimizing models. Transportation Planning and Technology, 1991, 16, 85-104.	2.0	20
132	A model for assessing the effects of dynamic travel time information via variable message signs. Transportation, 2001, 28, 79-99.	4.0	20
133	Reliability of territory-wide car ownership estimates in Hong Kong. Journal of Transport Geography, 2002, 10, 51-60.	5.0	20
134	Maximum car ownership under constraints of road capacity and parking space. Transportation Research, Part A: Policy and Practice, 2000, 34, 145-170.	4.2	19
135	A Stochastic Model for Combined Activity/Destination/Route Choice Problems. Annals of Operations Research, 2005, 135, 111-125.	4.1	19
136	Integrated real-time vision-based preceding vehicle detection in urban roads. Neurocomputing, 2013, 116, 144-149.	5.9	19
137	Network equilibrium for congested multi-mode networks with elastic demand. Journal of Advanced Transportation, 2003, 37, 295-318.	1.7	18
138	Network User Equilibrium Model for Scheduling Daily Activity Travel Patterns in Congested Networks. Transportation Research Record, 2011, 2254, 131-139.	1.9	18
139	Estimation of mean and covariance of stochastic multi-class OD demands from classified traffic counts. Transportation Research Part C: Emerging Technologies, 2015, 59, 92-110.	7.6	18
140	Optimal speed detector density for the network with travel time information. Transportation Research, Part A: Policy and Practice, 2002, 36, 203-223.	4.2	17
141	A Multi-Class Dynamic User Equilibrium Model for Queuing Networks with Advanced Traveler Information Systems. Mathematical Modelling and Algorithms, 2003, 2, 349-377.	0.5	16
142	Empirical Evidence for the Look-Ahead Behavior of Pedestrians in Bi-directional Flows. Chinese Physics Letters, 2012, 29, 068901.	3.3	16
143	Optimization of Number of Operators and Allocation of New Lines in an Oligopolistic Transit Market. Networks and Spatial Economics, 2012, 12, 1-20.	1.6	16
144	Toward space-time buffering for spatiotemporal proximity analysis of movement data. International Journal of Geographical Information Science, 2018, 32, 1211-1246.	4.8	16

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145	Advances in equilibrium models for analyzing transportation network reliability. Transportation Research Part B: Methodological, 2014, 66, 1-3.	5.9	15
146	Pedestrian Crossing Behavior at Signalized Crosswalks. Journal of Transportation Engineering Part A: Systems, 2017, 143, .	1.4	15
147	A bi-objective reliable path-finding algorithm for battery electric vehicle routing. Expert Systems With Applications, 2021, 182, 115228.	7.6	15
148	Vehicle Re-identification for Lane-level Travel Time Estimations on Congested Urban Road Networks Using Video Images. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12877-12893.	8.0	15
149	BRAESS'S PARADOXES IN DYNAMIC TRAFFIC ASSIGNMENT WITH SIMULTANEOUS DEPARTURE TIME AND ROUTE CHOICES. Transportmetrica, 2008, 4, 209-225.	1.8	14
150	Journey time estimator for assessment of road network performance under demand uncertainty. Transportation Research Part C: Emerging Technologies, 2013, 35, 244-262.	7.6	14
151	Probit-Type Reliability-Based Transit Network Assignment. Transportation Research Record, 2006, 1977, 154-163.	1.9	14
152	A bi-level programming approach "Optimal transit fare under line capacity constraints. Journal of Advanced Transportation, 2001, 35, 105-124.	1.7	13
153	Probit-Type Reliability-Based Transit Network Assignment. Transportation Research Record, 2006, 1977, 154-163.	1.9	13
154	Modeling an elastic-demand bimodal transport network with park-and-ride trips. Tsinghua Science and Technology, 2007, 12, 158-166.	6.1	13
155	Modelling road users' behavioural change over time in stochastic road networks with guidance information. Transportmetrica B, 2014, 2, 20-39.	2.3	13
156	Energy-Sustainable Traffic Signal Timings for a Congested Road Network With Heterogeneous Users. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1016-1025.	8.0	13
157	Modeling the Effects of Population Density on Prospect Theory-Based Travel Mode-Choice Equilibrium. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2014, 18, 379-392.	4.2	13
158	Tradable location tax credit scheme for balancing traffic congestion and environmental externalities. International Journal of Sustainable Transportation, 2016, 10, 917-934.	4.1	13
159	Optimization of traffic count locations for estimation of travel demands with covariance between origin-destination flows. Transportation Research Part C: Emerging Technologies, 2019, 108, 49-73.	7.6	13
160	A Time-dependent Activity and Travel Choice Model with Multiple Parking Options. , 2005, , 717-739.		13
161	Analysis of Demand for Road-Based Transport Facilities: A Bi-Level Programming Approach. Transportation Research Record, 1999, 1685, 73-80.	1.9	12
162	How Do Transit Commuters Make Trade-Offs between Schedule Delay Penalty and Congestion Cost?. Transportation Research Record, 2009, 2134, 164-170.	1.9	12

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163	Sustainable Toll Pricing and Capacity Investment in a Congested Road Network: A Goal Programming Approach. <i>Journal of Transportation Engineering</i> , 2014, 140, .	0.9	12
164	Modeling transit technology selection in a linear transportation corridor. <i>Journal of Advanced Transportation</i> , 2015, 49, 48-72.	1.7	12
165	Maximizing space-time accessibility in multi-modal transit networks: an activity-based approach. <i>Transportmetrica A: Transport Science</i> , 2022, 18, 192-220.	2.0	12
166	Calibration of stochastic link-based fundamental diagram with explicit consideration of speed heterogeneity. <i>Transportation Research Part B: Methodological</i> , 2021, 150, 524-539.	5.9	12
167	Variation of Walking Speeds on a Unidirectional Walkway and on a Bidirectional Stairway. <i>Transportation Research Record</i> , 2006, 1982, 122-131.	1.9	11
168	Dynamic modelling of traffic incident impacts on network reliability. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 856-872.	2.0	11
169	Heterogeneous Data Fusion Method to Estimate Travel Time Distributions in Congested Road Networks. <i>Sensors</i> , 2017, 17, 2822.	3.8	11
170	Road network vulnerability analysis considering the probability and consequence of disruptive events: A spatiotemporal incident impact approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 136, 103549.	7.6	11
171	A study of passenger discomfort measures at the Hong Kong mass transit railway system. <i>Journal of Advanced Transportation</i> , 1999, 33, 389-399.	1.7	10
172	Estimation of Transit Origin–Destination Matrices from Passenger Counts Using a Frequency-Based Approach. <i>Mathematical Modelling and Algorithms</i> , 2003, 2, 329-348.	0.5	10
173	Assessing the benefits of integrated en-route transit information systems and time-varying transit pricing systems in a congested transit network. <i>Transportation Planning and Technology</i> , 2009, 32, 215-237.	2.0	10
174	Statistical approach for activity-based model calibration based on plate scanning and traffic counts data. <i>Transportation Research Part B: Methodological</i> , 2015, 78, 280-300.	5.9	10
175	Cordon toll pricing in a multi-modal linear monocentric city with stochastic auto travel time. <i>Transportmetrica A: Transport Science</i> , 2018, 14, 22-49.	2.0	10
176	A real-time bus arrival time information system using crowdsourced smartphone data: a novel framework and simulation experiments. <i>Transportmetrica B</i> , 2018, 6, 34-53.	2.3	10
177	Design of build-operate-transfer contract for integrated rail and property development with uncertainty in future urban population. <i>Transportation Research Part B: Methodological</i> , 2019, 130, 36-66.	5.9	10
178	Finding the reliable shortest path with correlated link travel times in signalized traffic networks under uncertainty. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 144, 102159.	7.4	10
179	A household optimum utility approach for modeling joint activity-travel choices in congested road networks. <i>Transportation Research Part B: Methodological</i> , 2020, 134, 93-125.	5.9	10
180	Time-Dependent Model for Departure Time and Route Choices in Networks with Queues. <i>Transportation Research Record</i> , 1999, 1667, 33-41.	1.9	9

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181	Modelling intra-household interactions in household's activity-travel scheduling behaviour. <i>Transportmetrica A: Transport Science</i> , 2016, 12, 612-628.	2.0	9
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