

William H K Lam

List of Publications by Year in descending order

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266
papers

8,944
citations

39113

52
h-index

73587

79
g-index

280
all docs

280
docs citations

280
times ranked

5004
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Bus arrival time prediction at bus stop with multiple routes. <i>Transportation Research Part C: Emerging Technologies</i> , 2011, 19, 1157-1170. | 3.9 | 256 |
| 2 | Revisiting Hughes's™ dynamic continuum model for pedestrian flow and the development of an efficient solution algorithm. <i>Transportation Research Part B: Methodological</i> , 2009, 43, 127-141. | 2.8 | 241 |
| 3 | Modeling impacts of adverse weather conditions on a road network with uncertainties in demand and supply. <i>Transportation Research Part B: Methodological</i> , 2008, 42, 890-910. | 2.8 | 231 |
| 4 | Modeling and solving the dynamic user equilibrium route and departure time choice problem in network with queues. <i>Transportation Research Part B: Methodological</i> , 2002, 36, 253-273. | 2.8 | 225 |
| 5 | A Reliability-Based Stochastic Traffic Assignment Model for Network with Multiple User Classes under Uncertainty in Demand. <i>Networks and Spatial Economics</i> , 2006, 6, 173-204. | 0.7 | 208 |
| 6 | Global optimization method for mixed transportation network design problem: A mixed-integer linear programming approach. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 808-827. | 2.8 | 173 |
| 7 | Pedestrian Speed/Flow Relationships for Walking Facilities in Hong Kong. <i>Journal of Transportation Engineering</i> , 2000, 126, 343-349. | 0.9 | 149 |
| 8 | Map-matching algorithm for large-scale low-frequency floating car data. <i>International Journal of Geographical Information Science</i> , 2014, 28, 22-38. | 2.2 | 138 |
| 9 | Modeling time-dependent travel choice problems in road networks with multiple user classes and multiple parking facilities. <i>Transportation Research Part B: Methodological</i> , 2006, 40, 368-395. | 2.8 | 129 |
| 10 | Bidirectional Pedestrian Stream Model with Oblique Intersecting Angle. <i>Journal of Transportation Engineering</i> , 2010, 136, 234-242. | 0.9 | 120 |
| 11 | A combined trip distribution and assignment model for multiple user classes. <i>Transportation Research Part B: Methodological</i> , 1992, 26, 275-287. | 2.8 | 119 |
| 12 | Finding Reliable Shortest Paths in Road Networks Under Uncertainty. <i>Networks and Spatial Economics</i> , 2013, 13, 123-148. | 0.7 | 118 |
| 13 | Pedestrian Route Choices between Escalator and Stairway in MTR Stations. <i>Journal of Transportation Engineering</i> , 1998, 124, 277-285. | 0.9 | 114 |
| 14 | Title is missing!. <i>Transportation</i> , 2002, 29, 169-192. | 2.1 | 110 |
| 15 | The generalized Nash equilibrium model for oligopolistic transit market with elastic demand. <i>Transportation Research Part B: Methodological</i> , 2005, 39, 519-544. | 2.8 | 101 |
| 16 | Reliable shortest path finding in stochastic networks with spatial correlated link travel times. <i>International Journal of Geographical Information Science</i> , 2012, 26, 365-386. | 2.2 | 99 |
| 17 | An activity-based time-dependent traffic assignment model. <i>Transportation Research Part B: Methodological</i> , 2001, 35, 549-574. | 2.8 | 97 |
| 18 | A capacity restraint transit assignment with elastic line frequency. <i>Transportation Research Part B: Methodological</i> , 2002, 36, 919-938. | 2.8 | 94 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Optimal road tolls under conditions of queueing and congestion. <i>Transportation Research, Part A: Policy and Practice</i> , 1996, 30, 319-332. | 2.0 | 89 |
| 20 | Dynamic stochastic transit assignment with explicit seat allocation model. <i>Transportation Research Part B: Methodological</i> , 2009, 43, 895-912. | 2.8 | 87 |
| 21 | Reliable Shortest Path Problems in Stochastic Time-Dependent Networks. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2014, 18, 177-189. | 2.6 | 85 |
| 22 | Vulnerability analysis for large-scale and congested road networks with demand uncertainty. <i>Transportation Research, Part A: Policy and Practice</i> , 2012, 46, 501-516. | 2.0 | 84 |
| 23 | Environmentally Sustainable Toll Design for Congested Road Networks with Uncertain Demand. <i>International Journal of Sustainable Transportation</i> , 2012, 6, 127-155. | 2.1 | 83 |
| 24 | Stochastic multi-modal transport network under demand uncertainties and adverse weather condition. <i>Transportation Research Part C: Emerging Technologies</i> , 2011, 19, 338-350. | 3.9 | 82 |
| 25 | A reliability-based land use and transportation optimization model. <i>Transportation Research Part C: Emerging Technologies</i> , 2011, 19, 351-362. | 3.9 | 80 |
| 26 | Design of a rail transit line for profit maximization in a linear transportation corridor. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012, 48, 50-70. | 3.7 | 80 |
| 27 | Modeling intermodal equilibrium for bimodal transportation system design problems in a linear monocentric city. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 30-49. | 2.8 | 78 |
| 28 | MODELING AIR PASSENGER TRAVEL BEHAVIOR ON AIRPORT GROUND ACCESS MODE CHOICES. <i>Transportmetrica</i> , 2008, 4, 135-153. | 1.8 | 74 |
| 29 | Forecasting cargo growth and regional role of the port of Hong Kong. <i>Cities</i> , 2003, 20, 51-64. | 2.7 | 73 |
| 30 | Forecasts and Reliability Analysis of Port Cargo Throughput in Hong Kong. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2004, 130, 133-144. | 0.8 | 72 |
| 31 | A Stochastic Vehicle Routing Problem with Travel Time Uncertainty: Trade-Off Between Cost and Customer Service. <i>Networks and Spatial Economics</i> , 2013, 13, 471-496. | 0.7 | 71 |
| 32 | New technology and the modeling of risk-taking behavior in congested road networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2004, 12, 171-192. | 3.9 | 70 |
| 33 | Spatiotemporal data model for network time geographic analysis in the era of big data. <i>International Journal of Geographical Information Science</i> , 2016, 30, 1041-1071. | 2.2 | 70 |
| 34 | An activity-based approach for scheduling multimodal transit services. <i>Transportation</i> , 2010, 37, 751-774. | 2.1 | 69 |
| 35 | Modeling stochastic perception error in the mean-excess traffic equilibrium model. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 1619-1640. | 2.8 | 69 |
| 36 | Measuring place-based accessibility under travel time uncertainty. <i>International Journal of Geographical Information Science</i> , 2017, 31, 783-804. | 2.2 | 69 |

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|----|---|-----|-----------|
| 37 | A microscopic pedestrian-simulation model and its application to intersecting flows. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 515-526. | 1.2 | 68 |
| 38 | Reliable Space-Time Prisms Under Travel Time Uncertainty. <i>Annals of the American Association of Geographers</i> , 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. <i>Transportation</i> , 2014, 41, 37-55. | 2.1 | 64 |
| 40 | Bottleneck model revisited: An activity-based perspective. <i>Transportation Research Part B: Methodological</i> , 2014, 68, 262-287. | 2.8 | 64 |
| 41 | USING AUTOMATIC VEHICLE IDENTIFICATION DATA FOR TRAVEL TIME ESTIMATION IN HONG KONG. <i>Transportmetrica</i> , 2008, 4, 179-194. | 1.8 | 63 |
| 42 | The Optimal Transit Fare Structure under Different Market Regimes with Uncertainty in the Network. <i>Networks and Spatial Economics</i> , 2009, 9, 191-216. | 0.7 | 63 |
| 43 | Modeling Park-and-Ride Services in a Multimodal Transport Network with Elastic Demand. <i>Transportation Research Record</i> , 2007, 1994, 101-109. | 1.0 | 61 |
| 44 | Estimation of mean and covariance of peak hour origin-destination demands from day-to-day traffic counts. <i>Transportation Research Part B: Methodological</i> , 2014, 68, 52-75. | 2.8 | 61 |
| 45 | A study of crowding effects at the Hong Kong light rail transit stations. <i>Transportation Research, Part A: Policy and Practice</i> , 1999, 33, 401-415. | 2.0 | 60 |
| 46 | Modeling the interactions between car and bicycle in heterogeneous traffic. <i>Journal of Advanced Transportation</i> , 2015, 49, 29-47. | 0.9 | 60 |
| 47 | A study of train dwelling time at the hong kong mass transit railway system. <i>Journal of Advanced Transportation</i> , 1998, 32, 285-295. | 0.9 | 58 |
| 48 | Modeling the Effects of Rainfall Intensity on Traffic Speed, Flow, and Density Relationships for Urban Roads. <i>Journal of Transportation Engineering</i> , 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. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2013, 14, 1907-1917. | 4.7 | 56 |
| 50 | Simulating pedestrian movements at signalized crosswalks in Hong Kong. <i>Transportation Research, Part A: Policy and Practice</i> , 2008, 42, 1314-1325. | 2.0 | 55 |
| 51 | Dynamic user optimal traffic assignment model for many to one travel demand. <i>Transportation Research Part B: Methodological</i> , 1995, 29, 243-259. | 2.8 | 54 |
| 52 | Integrated Model for Lane-Use and Signal-Phase Designs. <i>Journal of Transportation Engineering</i> , 1997, 123, 114-122. | 0.9 | 54 |
| 53 | How Park-and-Ride Schemes Can Be Successful in Eastern Asia. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2001, 127, 63-78. | 0.8 | 54 |
| 54 | Modeling the impacts of mandatory and discretionary lane-changing maneuvers. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 68, 403-424. | 3.9 | 54 |

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|----|---|-----|-----------|
| 55 | Finding the k reliable shortest paths under travel time uncertainty. <i>Transportation Research Part B: Methodological</i> , 2016, 94, 189-203. | 2.8 | 53 |
| 56 | On-time delivery probabilistic models for the vehicle routing problem with stochastic demands and time windows. <i>European Journal of Operational Research</i> , 2016, 249, 144-154. | 3.5 | 53 |
| 57 | Comparison of Four Modeling Techniques for Short-Term AADT Forecasting in Hong Kong. <i>Journal of Transportation Engineering</i> , 2003, 129, 271-277. | 0.9 | 52 |
| 58 | Demand-Driven Traffic Assignment Problem Based on Travel Time Reliability. <i>Transportation Research Record</i> , 2006, 1985, 220-230. | 1.0 | 52 |
| 59 | An efficient discontinuous Galerkin method on triangular meshes for a pedestrian flow model. <i>International Journal for Numerical Methods in Engineering</i> , 2008, 76, 337-350. | 1.5 | 51 |
| 60 | An efficient solution algorithm for solving multi-class reliability-based traffic assignment problem. <i>Mathematical and Computer Modelling</i> , 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. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 710-728. | 2.8 | 51 |
| 62 | Intelligent simulation and prediction of traffic flow dispersion. <i>Transportation Research Part B: Methodological</i> , 2001, 35, 843-863. | 2.8 | 50 |
| 63 | A generalised function for modeling bi-directional flow effects on indoor walkways in Hong Kong. <i>Transportation Research, Part A: Policy and Practice</i> , 2003, 37, 789-810. | 2.0 | 50 |
| 64 | A reactive dynamic continuum user equilibrium model for bi-directional pedestrian flows. <i>Acta Mathematica Scientia</i> , 2009, 29, 1541-1555. | 0.5 | 50 |
| 65 | Optimal route allocation in a liberalizing airline market. <i>Transportation Research Part B: Methodological</i> , 2010, 44, 886-902. | 2.8 | 50 |
| 66 | Modelling joint activity-travel pattern scheduling problem in multi-modal transit networks. <i>Transportation</i> , 2018, 45, 23-49. | 2.1 | 50 |
| 67 | Optimal Fare Structure for Transit Networks with Elastic Demand. <i>Transportation Research Record</i> , 2000, 1733, 8-14. | 1.0 | 49 |
| 68 | Understanding the Impacts of Human Mobility on Accessibility Using Massive Mobile Phone Tracking Data. <i>Annals of the American Association of Geographers</i> , 2018, 108, 1115-1133. | 1.5 | 49 |
| 69 | A traffic flow simulator for network reliability assessment. <i>Journal of Advanced Transportation</i> , 1999, 33, 159-182. | 0.9 | 48 |
| 70 | Estimation of AADT from short period counts in hong kong - A comparison between neural network method and regression analysis. <i>Journal of Advanced Transportation</i> , 2000, 34, 249-268. | 0.9 | 47 |
| 71 | Short-term Hourly Traffic Forecasts using Hong Kong Annual Traffic Census. <i>Transportation</i> , 2006, 33, 291-310. | 2.1 | 47 |
| 72 | A Model for Evaluation of Transport Policies in Multimodal Networks with Road and Parking Capacity Constraints. <i>Mathematical Modelling and Algorithms</i> , 2007, 6, 239-257. | 0.5 | 45 |

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|----|--|-----|-----------|
| 73 | Evaluation of Count Location Selection Methods for Estimation of O-D Matrices. <i>Journal of Transportation Engineering</i> , 1998, 124, 376-383. | 0.9 | 43 |
| 74 | Incorporating passenger perceived service quality in airport ground access mode choice model. <i>Transportmetrica</i> , 2010, 6, 3-17. | 1.8 | 43 |
| 75 | Measuring temporal variation of location-based accessibility using space-time utility perspective. <i>Journal of Transport Geography</i> , 2018, 73, 13-24. | 2.3 | 43 |
| 76 | Understanding travel time uncertainty impacts on the equity of individual accessibility. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 75, 156-169. | 3.2 | 43 |
| 77 | Demand-Driven Traffic Assignment Problem Based on Travel Time Reliability. <i>Transportation Research Record</i> , 2006, 1985, 220-230. | 1.0 | 42 |
| 78 | Modelling rain effects on risk-taking behaviours of multi-user classes in road networks with uncertainty. <i>Journal of Advanced Transportation</i> , 2008, 42, 265-290. | 0.9 | 42 |
| 79 | General stochastic user equilibrium traffic assignment problem with link capacity constraints. <i>Journal of Advanced Transportation</i> , 2008, 42, 429-465. | 0.9 | 42 |
| 80 | Sustainable Transportation Network Design with Stochastic Demands and Chance Constraints. <i>International Journal of Sustainable Transportation</i> , 2015, 9, 126-144. | 2.1 | 42 |
| 81 | The Impact of Travel Time Reliability and Perceived Service Quality on Airport Ground Access Mode Choice. <i>Journal of Choice Modelling</i> , 2011, 4, 49-69. | 1.2 | 40 |
| 82 | Design of Sustainable Cordon Toll Pricing Schemes in a Monocentric City. <i>Networks and Spatial Economics</i> , 2014, 14, 133-158. | 0.7 | 39 |
| 83 | A combined activity/travel choice model for congested road networks with queues. <i>Transportation</i> , 2002, 29, 5-29. | 2.1 | 38 |
| 84 | Comparison of two non-parametric models for daily traffic forecasting in Hong Kong. <i>Journal of Forecasting</i> , 2006, 25, 173-192. | 1.6 | 38 |
| 85 | A dynamic network loading model for anisotropic and congested pedestrian flows. <i>Transportation Research Part B: Methodological</i> , 2017, 95, 149-168. | 2.8 | 38 |
| 86 | Transit technology investment and selection under urban population volatility: A real option perspective. <i>Transportation Research Part B: Methodological</i> , 2015, 78, 318-340. | 2.8 | 37 |
| 87 | A simulation-based reliability assessment approach for congested transit network. <i>Journal of Advanced Transportation</i> , 2004, 38, 27-44. | 0.9 | 36 |
| 88 | Dynamic user equilibrium with side constraints for a traffic network: Theoretical development and numerical solution algorithm. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 1035-1061. | 2.8 | 36 |
| 89 | A reliability-based traffic assignment model for multi-modal transport network under demand uncertainty. <i>Journal of Advanced Transportation</i> , 2014, 48, 66-85. | 0.9 | 36 |
| 90 | USE OF TRAVEL DEMAND SATISFACTION TO ASSESS ROAD NETWORK RELIABILITY. <i>Transportmetrica</i> , 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. | 1.4 | 35 |
| 92 | Step tolling in an activity-based bottleneck model. <i>Transportation Research Part B: Methodological</i> , 2017, 101, 306-334. | 2.8 | 35 |
| 93 | Risk Analysis of Traffic and Revenue Forecasts for Road Investment Projects. <i>Journal of Infrastructure Systems</i> , 1998, 4, 19-27. | 1.0 | 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. | 2.1 | 33 |
| 95 | Combined Activity/Travel Choice Models: Time-Dependent and Dynamic Versions. <i>Networks and Spatial Economics</i> , 2003, 3, 323-347. | 0.7 | 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. | 1.0 | 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. | 3.9 | 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. | 1.3 | 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. | 0.9 | 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. | 2.4 | 30 |
| 104 | Application of automatic vehicle identification technology for real-time journey time estimation. <i>Information Fusion</i> , 2011, 12, 11-19. | 11.7 | 30 |
| 105 | Reliability analysis of traffic noise estimates in Hong Kong. <i>Transportation Research, Part D: Transport and Environment</i> , 1998, 3, 239-248. | 3.2 | 29 |
| 106 | Real-Time Estimation of Arterial Travel Times with Spatial Travel Time Covariance Relationships. <i>Transportation Research Record</i> , 2009, 2121, 102-109. | 1.0 | 29 |
| 107 | A bibliometric overview of <i>Transportation Research Part B: Methodological</i> in the past forty years (1979-2019). <i>Transportation Research Part B: Methodological</i> , 2020, 138, 268-291. | 2.8 | 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. | 3.9 | 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. | 2.8 | 28 |
| 110 | A Hybrid Link&Node Approach for Finding Shortest Paths in Road Networks with Turn Restrictions. Transactions in GIS, 2015, 19, 915-929. | 1.0 | 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. | 3.7 | 28 |
| 112 | Distributions of queue lengths at fixed time traffic signals. Transportation Research Part B: Methodological, 1996, 30, 421-439. | 2.8 | 27 |
| 113 | Evaluation and Design of Transport Network Capacity under Demand Uncertainty. Transportation Research Record, 2009, 2090, 17-28. | 1.0 | 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. | 1.3 | 26 |
| 115 | Short-term travel time forecasts for transport information system in hong kong. Journal of Advanced Transportation, 2005, 39, 289-306. | 0.9 | 25 |
| 116 | Reliability Evaluation for Stochastic and Time-dependent Networks with Multiple Parking Facilities. Networks and Spatial Economics, 2008, 8, 355-381. | 0.7 | 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. | 1.4 | 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. | 0.8 | 24 |
| 120 | The multi-class schedule-based transit assignment model under network uncertainties. Public Transport, 2010, 2, 69-86. | 1.7 | 24 |
| 121 | Modelling impacts of adverse weather conditions on activity"travel pattern scheduling in multi-modal transit networks. Transportmetrica B, 2014, 2, 151-167. | 1.4 | 24 |
| 122 | Modeling Impact of Transit Operator Fleet Size under various Market Regimes with Uncertainty in Network. Transportation Research Record, 2008, 2063, 18-27. | 1.0 | 23 |
| 123 | Efficient solution algorithm for finding spatially dependent reliable shortest path in road networks. Journal of Advanced Transportation, 2016, 50, 1413-1431. | 0.9 | 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. | 2.8 | 21 |
| 126 | A risk&averse user equilibrium model for route choice problem in signal&controlled networks. Journal of Advanced Transportation, 2010, 44, 219-230. | 0.9 | 21 |

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|-----|--|-----|-----------|
| 127 | On the allocation of new lines in a competitive transit network with uncertain demand and scale economies. <i>Journal of Advanced Transportation</i> , 2011, 45, 233-251. | 0.9 | 21 |
| 128 | An integrated design of sustainable land use and transportation system with uncertainty in future population. <i>Transportmetrica A: Transport Science</i> , 2014, 10, 160-185. | 1.3 | 21 |
| 129 | A model of deadheading trips and pick-up locations for ride-hailing service vehicles. <i>Transportation Research, Part A: Policy and Practice</i> , 2020, 135, 289-308. | 2.0 | 21 |
| 130 | An Integrated Reinforcement Learning and Centralized Programming Approach for Online Taxi Dispatching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 4742-4756. | 7.2 | 21 |
| 131 | Estimation of origin-destination matrix from traffic counts: a comparison of entropy maximizing and information minimizing models. <i>Transportation Planning and Technology</i> , 1991, 16, 85-104. | 0.9 | 20 |
| 132 | A model for assessing the effects of dynamic travel time information via variable message signs. <i>Transportation</i> , 2001, 28, 79-99. | 2.1 | 20 |
| 133 | Reliability of territory-wide car ownership estimates in Hong Kong. <i>Journal of Transport Geography</i> , 2002, 10, 51-60. | 2.3 | 20 |
| 134 | Maximum car ownership under constraints of road capacity and parking space. <i>Transportation Research, Part A: Policy and Practice</i> , 2000, 34, 145-170. | 2.0 | 19 |
| 135 | A Stochastic Model for Combined Activity/Destination/Route Choice Problems. <i>Annals of Operations Research</i> , 2005, 135, 111-125. | 2.6 | 19 |
| 136 | Integrated real-time vision-based preceding vehicle detection in urban roads. <i>Neurocomputing</i> , 2013, 116, 144-149. | 3.5 | 19 |
| 137 | Network equilibrium for congested multi-mode networks with elastic demand. <i>Journal of Advanced Transportation</i> , 2003, 37, 295-318. | 0.9 | 18 |
| 138 | Network User Equilibrium Model for Scheduling Daily Activity Travel Patterns in Congested Networks. <i>Transportation Research Record</i> , 2011, 2254, 131-139. | 1.0 | 18 |
| 139 | Estimation of mean and covariance of stochastic multi-class OD demands from classified traffic counts. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 59, 92-110. | 3.9 | 18 |
| 140 | Optimal speed detector density for the network with travel time information. <i>Transportation Research, Part A: Policy and Practice</i> , 2002, 36, 203-223. | 2.0 | 17 |
| 141 | A Multi-Class Dynamic User Equilibrium Model for Queuing Networks with Advanced Traveler Information Systems. <i>Mathematical Modelling and Algorithms</i> , 2003, 2, 349-377. | 0.5 | 16 |
| 142 | Empirical Evidence for the Look-Ahead Behavior of Pedestrians in Bi-directional Flows. <i>Chinese Physics Letters</i> , 2012, 29, 068901. | 1.3 | 16 |
| 143 | Optimization of Number of Operators and Allocation of New Lines in an Oligopolistic Transit Market. <i>Networks and Spatial Economics</i> , 2012, 12, 1-20. | 0.7 | 16 |
| 144 | Toward space-time buffering for spatiotemporal proximity analysis of movement data. <i>International Journal of Geographical Information Science</i> , 2018, 32, 1211-1246. | 2.2 | 16 |

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|-----|---|-----|-----------|
| 145 | Advances in equilibrium models for analyzing transportation network reliability. Transportation Research Part B: Methodological, 2014, 66, 1-3. | 2.8 | 15 |
| 146 | Pedestrian Crossing Behavior at Signalized Crosswalks. Journal of Transportation Engineering Part A: Systems, 2017, 143, . | 0.8 | 15 |
| 147 | A bi-objective reliable path-finding algorithm for battery electric vehicle routing. Expert Systems With Applications, 2021, 182, 115228. | 4.4 | 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. | 4.7 | 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. | 3.9 | 14 |
| 151 | Probit-Type Reliability-Based Transit Network Assignment. , 0, . | | 14 |
| 152 | A bi-level programming approach " Optimal transit fare under line capacity constraints. Journal of Advanced Transportation, 2001, 35, 105-124. | 0.9 | 13 |
| 153 | Probit-Type Reliability-Based Transit Network Assignment. Transportation Research Record, 2006, 1977, 154-163. | 1.0 | 13 |
| 154 | Modeling an elastic-demand bimodal transport network with park-and-ride trips. Tsinghua Science and Technology, 2007, 12, 158-166. | 4.1 | 13 |
| 155 | Modelling road users' behavioural change over time in stochastic road networks with guidance information. Transportmetrica B, 2014, 2, 20-39. | 1.4 | 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. | 4.7 | 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. | 2.6 | 13 |
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