Sze Chun Wong

List of Publications by Year
in descending order

350 papers	12,576 citations	23879 60 h-index	51423 90 g-index
359 all docs	359 docs citations	359 times ranked	6322 citing authors

#	Article	IF	Citations
1	A hybrid autoregressive fractionally integrated moving average and nonlinear autoregressive neural network model for short-term traffic flow prediction. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2023, 27, 1-18.	2.6	13
2	Lane-based estimation of travel time distributions by vehicle type via vehicle re-identification using low-resolution video images. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2023, 27, 364-383.	2.6	5
3	Train rescheduling in a major disruption on a high-speed railway network with seat reservation. Transportmetrica A: Transport Science, 2022, 18, 532-567.	1.3	6
4	Empirical analysis of scaled mixed itinerary-size weibit model for itinerary choice in a schedule-based railway network. Transportmetrica A: Transport Science, 2022, 18, 934-962.	1.3	2
5	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
6	Uncertainty matters: Bayesian modeling of bicycle crashes with incomplete exposure data. Accident Analysis and Prevention, 2022, 165, 106518.	3.0	9
7	Energy-efficient high-speed train rescheduling during a major disruption. Transportation Research, Part E: Logistics and Transportation Review, 2022, 157, 102492.	3.7	20
8	An assessment of the effect of green signal countdown timers on drivers' behavior and on road safety at intersections, based on driving simulator experiments and naturalistic observation studies. Journal of Safety Research, 2022, 82, 1-12.	1.7	4
9	A Schedule-Based Model for Passenger-Oriented Train Planning With Operating Cost and Capacity Constraints. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21314-21328.	4.7	5
10	High-speed rail services for elderly passengers: Ticket-booking patterns and policy implications. Transport Policy, 2022, , .	3.4	2
11	Train stop deployment planning in the case of complete blockage: An integer linear programing model. Journal of Transportation Safety and Security, 2021, 13, 1066-1092.	1.1	3
12	Integrated railway timetable rescheduling and dynamic passenger routing during a complete blockage. Transportation Research Part B: Methodological, 2021, 143, 86-123.	2.8	48
13	Right-looking habit and maladaptation of pedestrians in areas with unfamiliar driving rules. Accident Analysis and Prevention, 2021, 150, 105921.	3.0	4
14	Network topological effects on the macroscopic fundamental Diagram. Transportmetrica B, 2021, 9, 376-398.	1.4	6
15	A schedule-based timetable model for congested transit networks. Transportation Research Part C: Emerging Technologies, 2021, 124, 102925.	3.9	11
16	Bicycle flow dynamics on wide roads: Experiments and simulation. Transportation Research Part C: Emerging Technologies, 2021, 125, 103012.	3.9	11
17	A Continuum model for pedestrian flow with explicit consideration of crowd force and panic effects. Transportation Research Part B: Methodological, 2021, 149, 100-117.	2.8	23
18	Calibration of stochastic link-based fundamental diagram with explicit consideration of speed heterogeneity. Transportation Research Part B: Methodological, 2021, 150, 524-539.	2.8	12

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19	On random-parameter count models for out-of-sample crash prediction: Accounting for the variances of random-parameter distributions. Accident Analysis and Prevention, 2021, 159, 106237.	3.0	26
20	Parking Demand Models. , 2021, , 519-523.		1
21	Safe traveling in public transport amid COVID-19. Science Advances, 2021, 7, eabg3691.	4.7	26
22	Spatial joint analysis for zonal daytime and nighttime crash frequencies using a Bayesian bivariate conditional autoregressive model. Journal of Transportation Safety and Security, 2020, 12, 566-585.	1.1	47
23	Random parameter probit models to analyze pedestrian red-light violations and injury severity in pedestrian–motor vehicle crashes at signalized crossings. Journal of Transportation Safety and Security, 2020, 12, 818-837.	1.1	46
24	A Two-Step quantile selection model for the safety analysis at signalized intersections. Journal of Transportation Safety and Security, 2020, 12, 547-565.	1.1	1
25	Bilevel dynamic continuum model for housing allocation and transportation emission problems in an urban city. International Journal of Sustainable Transportation, 2020, 15, 55-69.	2.1	3
26	Incorporating safety reliability into route choice model: Heterogeneous crash risk aversions. Analytic Methods in Accident Research, 2020, 25, 100112.	4.7	10
27	The effects of accessible taxi service and taxi fare subsidy scheme on the elderly's willingness-to-travel. Transport Policy, 2020, 97, 129-136.	3.4	10
28	Eco-based pavement lifecycle maintenance scheduling optimization for equilibrated networks. Transportation Research, Part D: Transport and Environment, 2020, 86, 102471.	3.2	16
29	Towards activity-based exposure measures in spatial analysis of pedestrian–motor vehicle crashes. Accident Analysis and Prevention, 2020, 148, 105777.	3.0	28
30	Social equity-based timetabling and ticket pricing for high-speed railways. Transportation Research, Part A: Policy and Practice, 2020, 137, 165-186.	2.0	24
31	Severity of passenger injuries on public buses: A comparative analysis of collision injuries and non-collision injuries. Journal of Safety Research, 2020, 74, 55-69.	1.7	38
32	Modeling the interactions of pedestrians and cyclists in mixed flow conditions in uni- and bidirectional flows on a shared pedestrian-cycle road. Transportation Research Part B: Methodological, 2020, 139, 259-284.	2.8	21
33	Potential field cellular automata model for overcrowded pedestrian flow. Transportmetrica A: Transport Science, 2020, 16, 749-775.	1.3	12
34	Train schedule optimization based on schedule-based stochastic passenger assignment. Transportation Research, Part E: Logistics and Transportation Review, 2020, 136, 101882.	3.7	21
35	Wall-following behaviour during evacuation under limited visibility: experiment and modelling. Transportmetrica A: Transport Science, 2020, 16, 626-653.	1.3	17
36	Risks to pedestrians in traffic systems with unfamiliar driving rules: a virtual reality approach. Accident Analysis and Prevention, 2020, 142, 105565.	3.0	14

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37	Jointly modeling area-level crash rates by severity: a Bayesian multivariate random-parameters spatio-temporal Tobit regression. Transportmetrica A: Transport Science, 2019, 15, 1867-1884.	1.3	71
38	Cyclists injured in traffic crashes in Hong Kong: A call for action. PLoS ONE, 2019, 14, e0220785.	1.1	13
39	Design of build-operate-transfer contract for integrated rail and property development with uncertainty in future urban population. Transportation Research Part B: Methodological, 2019, 130, 36-66.	2.8	10
40	Observational characteristics of pedestrian flows under high-density conditions based on controlled experiments. Transportation Research Part C: Emerging Technologies, 2019, 109, 137-154.	3.9	28
41	Experimental study of the temporal profile of breath alcohol concentration in a Chinese population after a light meal. PLoS ONE, 2019, 14, e0221237.	1.1	0
42	Temporal patterns of driving fatigue and driving performance among male taxi drivers in Hong Kong: A driving simulator approach. Accident Analysis and Prevention, 2019, 125, 7-13.	3.0	50
43	Comparative analysis of Bayesian quantile regression models for pedestrian injury severity at signalized intersections. Journal of Transportation Safety and Security, 2019, , 1-22.	1.1	3
44	Bootstrap standard error estimations of nonlinear transport models based on linearly projected data. Transportmetrica A: Transport Science, 2019, 15, 602-630.	1.3	9
45	Modeling and simulation of urban air pollution from the dispersion of vehicle exhaust: A continuum modeling approach. International Journal of Sustainable Transportation, 2019, 13, 722-740.	2.1	11
46	Group-based approach to derivatives of delay models based on incremental queue accumulations for isolated signalized junctions. Transportmetrica B, 2019, 7, 202-222.	1.4	3
47	Rethinking safety in numbers: are intersections with more crossing pedestrians really safer?. Injury Prevention, 2019, 25, 20-25.	1.2	27
48	Public transport policy measures for improving elderly mobility. Transport Policy, 2018, 63, 73-79.	3.4	122
49	Incorporating temporal correlation into a multivariate random parameters Tobit model for modeling crash rate by injury severity. Transportmetrica A: Transport Science, 2018, 14, 177-191.	1.3	53
50	Modeling heterogeneous parking choice behavior on university campuses. Transportation Planning and Technology, 2018, 41, 154-169.	0.9	12
51	Special issue on â€œDriving Simulation Experiments and Behavior Analysesâ€. Journal of Transportation Safety and Security, 2018, 10, 1-4.	1.1	2
52	Longitudinal Safety Analysis For Heterogeneous Platoon of Automated And Human Vehicles. , 2018, , .		2
53	Bayesian approach to model pedestrian crashes at signalized intersections with measurement errors in exposure. Accident Analysis and Prevention, 2018, 121, 285-294.	3.0	43
54	A Predictive Continuum Dynamic User-Optimal Model for the Simultaneous Departure Time and Route Choice Problem in a Polycentric City. Transportation Science, 2018, 52, 1496-1508.	2.6	4

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55	Role of road network features in the evaluation of incident impacts on urban traffic mobility. Transportation Research Part B: Methodological, 2018, 117, 101-116.	2.8	22
56	Effects of hands-free cellular phone conversational cognitive tasks on driving stability based on driving simulation experiment. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 58, 264-281.	1.8	23
57	Continuum modeling approach to the spatial analysis of air quality and housing location choice. International Journal of Sustainable Transportation, 2017, 11, 319-329.	2.1	4
58	A predictive continuum dynamic user-optimal model for a polycentric urban city. Transportmetrica B, 2017, 5, 228-247.	1.4	8
59	Step tolling in an activity-based bottleneck model. Transportation Research Part B: Methodological, 2017, 101, 306-334.	2.8	35
60	Pedestrian Crossing Behavior at Signalized Crosswalks. Journal of Transportation Engineering Part A: Systems, 2017, 143, .	0.8	15
61	A multivariate random-parameters Tobit model for analyzing highway crash rates by injury severity. Accident Analysis and Prevention, 2017, 99, 184-191.	3.0	98
62	Group-based approach to predictive delay model based on incremental queue accumulations for adaptive traffic control systems. Transportation Research Part B: Methodological, 2017, 98, 1-20.	2.8	21
63	Elderly users' level of satisfaction with public transport services in a high-density and transit-oriented city. Journal of Transport and Health, 2017, 7, 209-217.	1.1	87
64	Occupant-level injury severity analyses for taxis in Hong Kong: A Bayesian space-time logistic model. Accident Analysis and Prevention, 2017, 108, 297-307.	3.0	50
65	Gas dynamic analogous exposure approach to interaction intensity in multiple-vehicle crash analysis: Case study of crashes involving taxis. Analytic Methods in Accident Research, 2017, 16, 90-103.	4.7	14
66	Spatio-temporal travel characteristics of the elderly in an ageing society. Travel Behaviour & Society, 2017, 9, 10-20.	2.4	120
67	Group-based hierarchical adaptive traffic-signal control Part II: Implementation. Transportation Research Part B: Methodological, 2017, 104, 376-397.	2.8	17
68	Group-based hierarchical adaptive traffic-signal control part I: Formulation. Transportation Research Part B: Methodological, 2017, 105, 1-18.	2.8	36
69	Revisiting crash spatial heterogeneity: A Bayesian spatially varying coefficients approach. Accident Analysis and Prevention, 2017, 98, 330-337.	3.0	84
70	A Runge–Kutta discontinuous Galerkin scheme for hyperbolic conservation laws with discontinuous fluxes. Applied Mathematics and Computation, 2017, 292, 309-319.	1.4	9
71	The effect of road network patterns on pedestrian safety: A zone-based Bayesian spatial modeling approach. Accident Analysis and Prevention, 2017, 99, 114-124.	3.0	61
72	Dynamic Continuum Model with Elastic Demand for a Polycentric Urban City. Transportation Science, 2017, 51, 931-945.	2.6	11

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73	Injury severity analysis in right-turn lanes at signalised intersections. Proceedings of the Institution of Civil Engineers: Transport, 2017, 170, 26-37.	0.3	4
74	Estimation of Scaling Factors for Traffic Counts Based on Stationary and Mobile Sources of Data. International Journal of Intelligent Transportation Systems Research, 2017, 15, 180-191.	0.6	13
75	Three Extensions of Tong and Richardson's Algorithm for Finding the Optimal Path in Schedule-Based Railway Networks. Journal of Advanced Transportation, 2017, 2017, 1-16.	0.9	7
76	A Heckman selection model for the safety analysis of signalized intersections. PLoS ONE, 2017, 12, e0181544.	1.1	19
77	A Bayesian modeling approach to bi-directional pedestrian flows in carnival events. Frontiers of Engineering Management, 2017, 4, 483.	3.3	5
78	Effects of intersection field of view on emergent collision avoidance performance at unsignalized intersections: analysis based on driving simulator experiments. Journal of Advanced Transportation, 2016, 50, 683-700.	0.9	10
79	Severity of pedestrian injuries due to traffic crashes at signalized intersections in Hong Kong: a Bayesian spatial logit model. Journal of Advanced Transportation, 2016, 50, 2015-2028.	0.9	53
80	A cellular automata traffic flow model considering the heterogeneity of acceleration and delay probability. Physica A: Statistical Mechanics and Its Applications, 2016, 456, 128-134.	1.2	27
81	Modeling nonlinear relationship between crash frequency by severity and contributing factors by neural networks. Analytic Methods in Accident Research, 2016, 10, 12-25.	4.7	82
82	Biased standard error estimations in transport model calibration due to heteroscedasticity arising from the variability of linear data projection. Transportation Research Part B: Methodological, 2016, 88, 72-92.	2.8	15
83	Rule extraction from an optimized neural network for traffic crash frequency modeling. Accident Analysis and Prevention, 2016, 97, 87-95.	3.0	53
84	China's ascendance in transport research. Transport Reviews, 2016, 36, 683-691.	4.7	0
85	Evaluation of the impact of traffic incidents using GPS data. Proceedings of the Institution of Civil Engineers: Transport, 2016, 169, 148-162.	0.3	12
86	Microscopic decision model for pedestrian route choice at signalized crosswalks. Journal of Advanced Transportation, 2016, 50, 1181-1192.	0.9	6
87	Quasi-induced exposure method for pedestrian safety at signalized intersections. Journal of Transportation Safety and Security, 2016, 8, 129-147.	1.1	7
88	Empirical evidence and stability analysis of the linear car-following model with gamma-distributed memory effect. Physica A: Statistical Mechanics and Its Applications, 2016, 449, 311-323.	1.2	18
89	A multi-commodity discrete/continuum model for a traffic equilibrium system. Transportmetrica A: Transport Science, 2016, 12, 249-271.	1.3	5
90	Network topological effects on the macroscopic Bureau of Public Roads function. Transportmetrica A: Transport Science, 2016, 12, 272-296.	1.3	31

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91	Predicting crash frequency using an optimised radial basis function neural network model. Transportmetrica A: Transport Science, 2016, 12, 330-345.	1.3	33
92	Mixed logit approach to modelling arrival time choice behaviour of cemetery and columbarium visitors during grave-sweeping festivals. Transportmetrica A: Transport Science, 2016, 12, 313-329.	1.3	4
93	A simulation study of the effects of alcohol on driving performance in a Chinese population. Accident Analysis and Prevention, 2016, 95, 334-342.	3.0	29
94	Bootstrap resampling approach to disaggregate analysis of road crashes in Hong Kong. Accident Analysis and Prevention, 2016, 95, 512-520.	3.0	33
95	Reliable Location-Routing Design Under Probabilistic Facility Disruptions. Transportation Science, 2016, 50, 1128-1138.	2.6	47
96	Role of street patterns in zone-based traffic safety analysis. Journal of Central South University, 2015, 22, 2416-2422.	1.2	7
97	A two-stage approach to modeling vacant taxi movements. Transportation Research Part C: Emerging Technologies, 2015, 59, 147-163.	3.9	28
98	A Two-Stage Approach to Modeling Vacant Taxi Movements. Transportation Research Procedia, 2015, 7, 254-275.	0.8	12
99	Behavior of taxi customers in hailing vacant taxis: a nested logit model for policy analysis. Journal of Advanced Transportation, 2015, 49, 867-883.	0.9	23
100	Advanced Dynamic Simulations in Transportation. Discrete Dynamics in Nature and Society, 2015, 2015, 1-2.	0.5	0
101	Real-Time Estimation of Lane-to-Lane Turning Flows at Isolated Signalized Junctions. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1549-1558.	4.7	13
102	Effects of fog, driver experience and gender on driving behavior on S-curved road segments. Accident Analysis and Prevention, 2015, 77, 91-104.	3.0	82
103	A Bayesian inference approach to the development of a multidirectional pedestrian stream model. Transportmetrica A: Transport Science, 2015, 11, 61-73.	1.3	13
104	Transit technology investment and selection under urban population volatility: A real option perspective. Transportation Research Part B: Methodological, 2015, 78, 318-340.	2.8	37
105	Reformulating the Hoogendoornâ€"Bovy predictive dynamic user-optimal model in continuum space with anisotropic condition. Transportation Research Part B: Methodological, 2015, 79, 189-217.	2.8	9
106	Real-time estimation of lane-based queue lengths at isolated signalized junctions. Transportation Research Part C: Emerging Technologies, 2015, 56, 1-17.	3.9	66
107	Systematic bias in transport model calibration arising from the variability of linear data projection. Transportation Research Part B: Methodological, 2015, 75, 1-18.	2.8	25
108	Selection bias in build-operate-transfer transportation project appraisals. Transportation Research, Part A: Policy and Practice, 2015, 75, 245-251.	2.0	6

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109	Young driver distraction by text messaging: A comparison of the effects of reading and typing text messages in Chinese versus English. Transportation Research Part F: Traffic Psychology and Behaviour, 2015, 31, 87-98.	1.8	18
110	Traffic flow on a road network using a conserved higher-order model. AIP Conference Proceedings, 2015, , .	0.3	3
111	Modelling multi-period customer-searching behaviour of taxi drivers. Transportmetrica B, 2014, 2, 40-59.	1.4	43
112	Taxi services with search frictions and congestion externalities. Journal of Advanced Transportation, 2014, 48, 575-587.	0.9	32
113	The Chemical Reaction Optimization Approach to Solving the Environmentally Sustainable Network Design Problem. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 140-158.	6.3	63
114	Returns to scale in the production of taxi services: an empirical analysis. Transportmetrica A: Transport Science, 2014, 10, 775-790.	1.3	19
115	Dynamic system–optimal traffic assignment for a city using the continuum modeling approach. Journal of Advanced Transportation, 2014, 48, 782-797.	0.9	7
116	Effective measures for combating drink-driving offenses: an attitudinal model for Hong Kong. Transportmetrica A: Transport Science, 2014, 10, 722-739.	1.3	11
117	Perceived cost potential field cellular automata model with an aggregated force field for pedestrian dynamics. Transportation Research Part C: Emerging Technologies, 2014, 42, 200-210.	3.9	54
118	Solitary wave solutions to higher-order traffic flow model with large diffusion. Applied Mathematics and Mechanics (English Edition), 2014, 35, 167-176.	1.9	0
119	A two-stage bivariate logistic-Tobit model for the safety analysis of signalized intersections. Analytic Methods in Accident Research, 2014, 3-4, 1-10.	4.7	19
120	A cell-based logit-opportunity taxi customer-search model. Transportation Research Part C: Emerging Technologies, 2014, 48, 84-96.	3.9	72
121	The likelihood of achieving quantified road safety targets: A binary logistic regression model for possible factors. Accident Analysis and Prevention, 2014, 73, 242-251.	3.0	19
122	Discontinuous Galerkin finite element scheme for a conserved higher-order traffic flow model by exploring Riemann solvers. Applied Mathematics and Computation, 2014, 244, 567-576.	1.4	6
123	Bottleneck model revisited: An activity-based perspective. Transportation Research Part B: Methodological, 2014, 68, 262-287.	2.8	64
124	Bi-level decisions of vacant taxi drivers traveling towards taxi stands in customer-search: Modeling methodology and policy implications. Transport Policy, 2014, 33, 73-81.	3.4	52
125	Steady-state traffic flow on a ring road with up- and down-slopes. Physica A: Statistical Mechanics and Its Applications, 2014, 403, 85-93.	1.2	13
126	Advances in equilibrium models for analyzing transportation network reliability. Transportation Research Part B: Methodological, 2014, 66, 1-3.	2.8	15

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127	Sensitivity-based uncertainty analysis of a combined travel demand model. Transportation Research Part B: Methodological, 2013, 57, 225-244.	2.8	31
128	Optimal density of radial major roads in a two-dimensional monocentric city with endogenous residential distribution and housing prices. Regional Science and Urban Economics, 2013, 43, 927-937.	1.4	35
129	Spatial–temporal analysis of drink-driving patterns in Hong Kong. Accident Analysis and Prevention, 2013, 59, 415-424.	3.0	18
130	A time-dependent logit-based taxi customer-search model. International Journal of Urban Sciences, 2013, 17, 184-198.	1.3	33
131	A Continuum Model for Housing Allocation and Transportation Emission Problems in a Polycentric City. International Journal of Sustainable Transportation, 2013, 7, 275-298.	2.1	31
132	Sensitivity-based Uncertainty Analysis of a Combined Travel Demand Model. Procedia, Social and Behavioral Sciences, 2013, 80, 395-415.	0.5	1
133	Revisiting Jiang's dynamic continuum model for urban cities. Transportation Research Part B: Methodological, 2013, 56, 96-119.	2.8	33
134	Development of a Bidirectional Pedestrian Stream Model with an Oblique Intersecting Angle. Journal of Transportation Engineering, 2013, 139, 678-685.	0.9	25
135	Disaggregated Crash Prediction Models for Different Crash Types using Joint Probability Model. , 2013, , .		1
136	Solitary wave solution to Aw-Rascle viscous model of traffic flow. Applied Mathematics and Mechanics (English Edition), 2013, 34, 523-528.	1.9	11
137	Generalized camera calibration model for trapezoidal patterns on the road. Optical Engineering, 2013, 52, 017006.	0.5	1
138	Transport geography in Asia. Asian Geographer, 2013, 30, 85-86.	0.4	0
139	A congestion-pricing problem with a polycentric region and multi-class users: a continuum modelling approach. Transportmetrica A: Transport Science, 2013, 9, 514-545.	1.3	15
140	Transportation Network Reliability. Transportmetrica B, 2013, 1, 171-173.	1.4	3
141	A potential field approach to the modeling of route choice in pedestrian evacuation. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P02010.	0.9	39
142	Effects of Drink Driving on Crash Risk Based on Random Breath Test Data. Hong Kong Journal of Emergency Medicine, 2013, 20, 146-154.	0.4	6
143	Quality Measures of Origin-Destination Trip Table Estimated from Traffic Counts: Review and New Generalized Demand Scale Measure. Journal of Transportation Engineering, 2012, 138, 1340-1349.	0.9	12
144	Potential field cellular automata model for pedestrian flow. Physical Review E, 2012, 85, 021119.	0.8	80

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145	Full Bayesian Method for the Development of Speed Models: Applications of GPS Probe Data. Journal of Transportation Engineering, 2012, 138, 1188-1195.	0.9	11
146	Environmentally Sustainable Toll Design for Congested Road Networks with Uncertain Demand. International Journal of Sustainable Transportation, 2012, 6, 127-155.	2.1	83
147	Performance Evaluations of the Spiral-Marking Roundabouts in Hong Kong. Journal of Transportation Engineering, 2012, 138, 1377-1387.	0.9	15
148	Empirical Evidence for the Look-Ahead Behavior of Pedestrians in Bi-directional Flows. Chinese Physics Letters, 2012, 29, 068901.	1.3	16
149	Modelling the mode choice behaviour of visitors to Expo 2010. Proceedings of the Institution of Civil Engineers: Transport, 2012, 165, 49-62.	0.3	4
150	Short-Term Traffic Speed Forecasting Based on Data Recorded at Irregular Intervals. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 1727-1737.	4.7	94
151	Road Network Equilibrium Approaches to Environmental Sustainability. Transport Reviews, 2012, 32, 491-518.	4.7	79
152	Phase-plane analysis of conserved higher-order traffic flow model. Applied Mathematics and Mechanics (English Edition), 2012, 33, 1505-1512.	1.9	11
153	Modeling intermodal equilibrium for bimodal transportation system design problems in a linear monocentric city. Transportation Research Part B: Methodological, 2012, 46, 30-49.	2.8	78
154	Route choice in pedestrian evacuation under conditions of good and zero visibility: Experimental and simulation results. Transportation Research Part B: Methodological, 2012, 46, 669-686.	2.8	239
155	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.	2.8	51
156	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.	3.7	80
157	The roles of exposure and speed in road safety analysis. Accident Analysis and Prevention, 2012, 48, 464-471.	3.0	106
158	Dynamic traffic assignment: model classifications and recent advances in travel choice principles. Open Engineering, 2012, 2, 1-18.	0.7	58
159	Optimization of Number of Operators and Allocation of New Lines in an Oligopolistic Transit Market. Networks and Spatial Economics, 2012, 12, 1-20.	0.7	16
160	A semi-discrete model and its approach to a solution for a wide moving jam in traffic flow. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 456-463.	1.2	45
161	A dynamic traffic assignment model for a continuum transportation system. Transportation Research Part B: Methodological, 2011, 45, 343-363.	2.8	52
162	Collection, spillback, and dissipation in pedestrian evacuation: A network-based method. Transportation Research Part B: Methodological, 2011, 45, 490-506.	2.8	93

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163	Bicycle-Related Crashes in Hong Kong: Is it Possible to Reduce Mortality and Severe Injury in the Metropolitan Area?. Hong Kong Journal of Emergency Medicine, 2011, 18, 136-143.	0.4	19
164	High-Order Computational Scheme for a Dynamic Continuum Model for Bi-Directional Pedestrian Flows. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 298-310.	6.3	21
165	Design of a rail transit line for profit maximization in a linear transportation corridor. Procedia, Social and Behavioral Sciences, 2011, 17, 82-112.	0.5	7
166	Numerical simulation of a continuum model for bi-directional pedestrian flow. Applied Mathematics and Computation, 2011, 218, 6135-6135.	1.4	8
167	Conservation form of Helbingâ€™s fluid dynamic traffic flow model. Applied Mathematics and Mechanics (English Edition), 2011, 32, 1109-1118.	1.9	4
168	Advanced systems for public transport scheduling and network design. Public Transport, 2011, 3, 1-2.	1.7	4
169	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.	0.9	21
170	Is a combined enforcement and penalty strategy effective in combating red light violations? An aggregate model of violation behavior in Hong Kong. Accident Analysis and Prevention, 2011, 43, 265-271.	3.0	27
171	A joint-probability approach to crash prediction models. Accident Analysis and Prevention, 2011, 43, 1160-1166.	3.0	77
172	An update on the association between setting quantified road safety targets and road fatality reduction. Accident Analysis and Prevention, 2011, 43, 1279-1283.	3.0	27
173	Emerging theories in traffic and transportation and methods for transportation planning and operations. Transportation Research Part C: Emerging Technologies, 2011, 19, 169-171.	3.9	3
174	A reliability-based land use and transportation optimization model. Transportation Research Part C: Emerging Technologies, 2011, 19, 351-362.	3.9	80
175	A Number of Riemann Solvers for a Conserved Higher-Order Traffic Flow Model. , 2011, , .		4
176	A shock-fitting algorithm for the Lighthillâ€"Whithamâ€"Richards model on inhomogeneous highways. Transportmetrica, 2011, 7, 163-180.	1.8	6
177	Transport Network Design Problem under Uncertainty: A Review and New Developments. Transport Reviews, 2011, 31, 743-768.	4.7	100
178	A Macroscopic Approach to the Lane Formation Phenomenon in Pedestrian Counterflow. Chinese Physics Letters, 2011, 28, 108901.	1.3	38
179	AN ESTIMATION OF EFFICIENT TIME-VARYING TOLLS FOR CROSS HARBOR TUNNELS IN HONG KONG. Singapore Economic Review, 2011, 56, 467-488.	0.9	7
180	Empirical evidence for taxi customer-search model. Proceedings of the Institution of Civil Engineers: Transport, 2010, 163, 203-210.	0.3	21

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181	Editorial: advanced methods for public transport system management. Public Transport, 2010, 2, 1-3.	1.7	4
182	Advanced public transport system scheduling andÂcontrol. Public Transport, 2010, 2, 157-158.	1.7	0
183	An activity-based approach for scheduling multimodal transit services. Transportation, 2010, 37, 751-774.	2.1	69
184	Recent advances in traffic control and management. Journal of Advanced Transportation, 2010, 44, 217-218.	0.9	2
185	A spatial queuing approach to optimize coordinated signal settings to obviate gridlock in adjacent work zones. Journal of Advanced Transportation, 2010, 44, 231-244.	0.9	16
186	Capacity evaluation of multiâ€lane traffic roundabout. Journal of Advanced Transportation, 2010, 44, 245-255.	0.9	20
187	A microscopic pedestrian-simulation model and its application to intersecting flows. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 515-526.	1.2	68
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