

Anthony Chen

List of Publications by Year in descending order

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195
papers

6,993
citations

50170

46
h-index

79541

73
g-index

196
all docs

196
docs citations

196
times ranked

3365
citing authors

#	ARTICLE	IF	CITATIONS
1	Capacity reliability of a road network: an assessment methodology and numerical results. <i>Transportation Research Part B: Methodological</i> , 2002, 36, 225-252.	2.8	463
2	A capacity related reliability for transportation networks. <i>Journal of Advanced Transportation</i> , 1999, 33, 183-200.	0.9	246
3	Network-based Accessibility Measures for Vulnerability Analysis of Degradable Transportation Networks. <i>Networks and Spatial Economics</i> , 2007, 7, 241-256.	0.7	235
4	The $\hat{1}$ -reliable mean-excess traffic equilibrium model with stochastic travel times. <i>Transportation Research Part B: Methodological</i> , 2010, 44, 493-513.	2.8	219
5	Constraint handling in genetic algorithms using a gradient-based repair method. <i>Computers and Operations Research</i> , 2006, 33, 2263-2281.	2.4	195
6	Performance of transportation network under perturbations: Reliability, vulnerability, and resilience. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 133, 101809.	3.7	152
7	An energy-efficient scheduling approach to improve the utilization of regenerative energy for metro systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 57, 13-29.	3.9	142
8	Traffic equilibrium problem with route-specific costs: formulation and algorithms. <i>Transportation Research Part B: Methodological</i> , 2000, 34, 493-513.	2.8	140
9	C-logit stochastic user equilibrium model: formulations and solution algorithm. <i>Transportmetrica</i> , 2012, 8, 17-41.	1.8	121
10	Path finding under uncertainty. <i>Journal of Advanced Transportation</i> , 2005, 39, 19-37.	0.9	120
11	Stochastic multi-objective models for network design problem. <i>Expert Systems With Applications</i> , 2010, 37, 1608-1619.	4.4	110
12	Transport Network Design Problem under Uncertainty: A Review and New Developments. <i>Transport Reviews</i> , 2011, 31, 743-768.	4.7	100
13	Stochastic Transportation Network Design Problem with Spatial Equity Constraint. <i>Transportation Research Record</i> , 2004, 1882, 97-104.	1.0	94
14	A dynamic traffic assignment model with traffic-flow relationships. <i>Transportation Research Part C: Emerging Technologies</i> , 1995, 3, 51-72.	3.9	89
15	Travel Time Reliability with Risk-Sensitive Travelers. <i>Transportation Research Record</i> , 2002, 1783, 27-33.	1.0	87
16	A stochastic model for the integrated optimization on metro timetable and speed profile with uncertain train mass. <i>Transportation Research Part B: Methodological</i> , 2016, 91, 424-445.	2.8	86
17	Comparative analysis of three user equilibrium models under stochastic demand. <i>Journal of Advanced Transportation</i> , 2008, 42, 239-263.	0.9	85
18	Computational study of state-of-the-art path-based traffic assignment algorithms. <i>Mathematics and Computers in Simulation</i> , 2002, 59, 509-518.	2.4	83

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19	A reliability-based land use and transportation optimization model. <i>Transportation Research Part C: Emerging Technologies</i> , 2011, 19, 351-362.	3.9	80
20	A simulation-based multi-objective genetic algorithm (SMOGA) procedure for BOT network design problem. <i>Optimization and Engineering</i> , 2006, 7, 225-247.	1.3	76
21	Multi-objective $\hat{\pm}$ -reliable path finding in stochastic networks with correlated link costs: A simulation-based multi-objective genetic algorithm approach (SMOGA). <i>Expert Systems With Applications</i> , 2011, 38, 1515-1528.	4.4	76
22	A multi-year pavement maintenance program using a stochastic simulation-based genetic algorithm approach. <i>Transportation Research, Part A: Policy and Practice</i> , 2006, 40, 725-743.	2.0	73
23	A path-size weibit stochastic user equilibrium model. <i>Transportation Research Part B: Methodological</i> , 2013, 57, 378-397.	2.8	73
24	Alpha Reliable Network Design Problem. <i>Transportation Research Record</i> , 2007, 2029, 49-57.	1.0	72
25	Transportation network redundancy: Complementary measures and computational methods. <i>Transportation Research Part B: Methodological</i> , 2018, 114, 68-85.	2.8	72
26	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
27	A reliability-based network design problem. <i>Journal of Advanced Transportation</i> , 2005, 39, 247-270.	0.9	68
28	A BI-OBJECTIVE TRAFFIC COUNTING LOCATION PROBLEM FOR ORIGIN-DESTINATION TRIP TABLE ESTIMATION. <i>Transportmetrica</i> , 2005, 1, 65-80.	1.8	67
29	Uncovering the contribution of travel time reliability to dynamic route choice using real-time loop data. <i>Transportation Research, Part A: Policy and Practice</i> , 2004, 38, 435-453.	2.0	65
30	Examining the Quality of Synthetic Origin-Destination Trip Table Estimated by Path Flow Estimator. <i>Journal of Transportation Engineering</i> , 2005, 131, 506-513.	0.9	64
31	A bi-objective user equilibrium model of travel time reliability in a road network. <i>Transportation Research Part B: Methodological</i> , 2014, 66, 4-15.	2.8	64
32	Goal programming approach to solving network design problem with multiple objectives and demand uncertainty. <i>Expert Systems With Applications</i> , 2012, 39, 4160-4170.	4.4	62
33	A self-adaptive gradient projection algorithm for the nonadditive traffic equilibrium problem. <i>Computers and Operations Research</i> , 2012, 39, 127-138.	2.4	61
34	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
35	Unconstrained weibit stochastic user equilibrium model with extensions. <i>Transportation Research Part B: Methodological</i> , 2014, 59, 1-21.	2.8	61
36	Mean-Variance Model for the Build-Operate-Transfer Scheme Under Demand Uncertainty. <i>Transportation Research Record</i> , 2003, 1857, 93-101.	1.0	54

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37	Assessing the Transportation Needs of Low-Mobility Individuals: Case Study of a Small Urban Community in Utah. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2013, 139, 104-114.	0.8	54
38	Measuring Route Diversity for Urban Rail Transit Networks: A Case Study of the Beijing Metro Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017, 18, 259-268.	4.7	54
39	A self-adaptive projection and contraction algorithm for the traffic assignment problem with path-specific costs. <i>European Journal of Operational Research</i> , 2001, 135, 27-41.	3.5	53
40	Alternate capacity reliability measures for transportation networks. <i>Journal of Advanced Transportation</i> , 2013, 47, 79-104.	0.9	53
41	Robust network sensor location for complete link flow observability under uncertainty. <i>Transportation Research Part B: Methodological</i> , 2016, 88, 1-20.	2.8	52
42	Bi-objective programming approach for solving the metro timetable optimization problem with dwell time uncertainty. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017, 97, 22-37.	3.7	52
43	Increasing the resilience level of a vulnerable rail network: The strategy of location and allocation of emergency relief trains. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018, 119, 110-128.	3.7	51
44	Analysis of regulation and policy of private toll roads in a build-operate-transfer scheme under demand uncertainty. <i>Transportation Research, Part A: Policy and Practice</i> , 2007, 41, 537-558.	2.0	50
45	Norm approximation method for handling traffic count inconsistencies in path flow estimator. <i>Transportation Research Part B: Methodological</i> , 2009, 43, 852-872.	2.8	48
46	Modeling Mode and Route Similarities in Network Equilibrium Problem with Go-Green Modes. <i>Networks and Spatial Economics</i> , 2016, 16, 33-60.	0.7	48
47	A Path-size Weibit Stochastic User Equilibrium Model. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 80, 608-632.	0.5	47
48	Effects of Regulation on Highway Pricing and Capacity Choice of a Build-Operate-Transfer Scheme. <i>Journal of Construction Engineering and Management - ASCE</i> , 2007, 133, 64-71.	2.0	44
49	COVID-19, community response, public policy, and travel patterns: A tale of Hong Kong. <i>Transport Policy</i> , 2021, 106, 173-184.	3.4	44
50	ADAPTATION OF THE PAIRED COMBINATORIAL LOGIT MODEL TO THE ROUTE CHOICE PROBLEM. <i>Transportmetrica</i> , 2005, 1, 223-240.	1.8	43
51	Computation and application of the paired combinatorial logit stochastic user equilibrium problem. <i>Computers and Operations Research</i> , 2014, 43, 68-77.	2.4	42
52	STRATEGIES FOR SELECTING ADDITIONAL TRAFFIC COUNTS FOR IMPROVING O-D TRIP TABLE ESTIMATION. <i>Transportmetrica</i> , 2007, 3, 191-211.	1.8	41
53	Modeling Physical and Environmental Side Constraints in Traffic Equilibrium Problem. <i>International Journal of Sustainable Transportation</i> , 2011, 5, 172-197.	2.1	41
54	Alternative formulations of a combined trip generation, trip distribution, modal split, and trip assignment model. <i>European Journal of Operational Research</i> , 2009, 198, 129-138.	3.5	40

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55	A review of sustainable network design for road networks. KSCE Journal of Civil Engineering, 2016, 20, 1084-1098.	0.9	40
56	Effect of Route Choice Models on Estimating Network Capacity Reliability. Transportation Research Record, 2000, 1733, 63-70.	1.0	39
57	Solving the bicriteria traffic equilibrium problem with variable demand and nonlinear path costs. Applied Mathematics and Computation, 2010, 217, 3020-3031.	1.4	39
58	Examining the scaling effect and overlapping problem in logit-based stochastic user equilibrium models. Transportation Research, Part A: Policy and Practice, 2012, 46, 1343-1358.	2.0	38
59	An energy-efficient rescheduling approach under delay perturbations for metro systems. Transportmetrica B, 2019, 7, 386-400.	1.4	37
60	Sensitivity analysis of the combined travel demand model with applications. European Journal of Operational Research, 2009, 198, 909-921.	3.5	36
61	Modeling distribution tail in network performance assessment: A mean-excess total travel time risk measure and analytical estimation method. Transportation Research Part B: Methodological, 2014, 66, 32-49.	2.8	36
62	Modeling capacity flexibility of transportation networks. Transportation Research, Part A: Policy and Practice, 2011, 45, 105-117.	2.0	35
63	Path-Based Algorithms to Solve C-Logit Stochastic User Equilibrium Assignment Problem. Transportation Research Record, 2012, 2279, 21-30.	1.0	35
64	Airport Emergency Evacuation Planning: An Agent-Based Simulation Study of Dirty Bomb Scenarios. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1390-1403.	5.9	35
65	L ¹ -Norm Path Flow Estimator for Handling Traffic Count Inconsistencies: Formulation and Solution Algorithm. Journal of Transportation Engineering, 2010, 136, 565-575.	0.9	34
66	Evaluating the value of new metro lines using route diversity measures: The case of Hong Kong's Mass Transit Railway system. Journal of Transport Geography, 2021, 91, 102945.	2.3	34
67	Modeling Emergency Evacuation of Individuals with Disabilities in a Densely Populated Airport. Transportation Research Record, 2011, 2206, 32-38.	1.0	32
68	A self-adaptive Armijo stepsize strategy with application to traffic assignment models and algorithms. Transportmetrica A: Transport Science, 2013, 9, 695-712.	1.3	32
69	Alternate weibit-based model for assessing green transport systems with combined mode and route travel choices. Transportation Research Part B: Methodological, 2017, 103, 291-310.	2.8	32
70	Solving the Overlapping Problem in Route Choice with Paired Combinatorial Logit Model. Transportation Research Record, 2003, 1857, 65-73.	1.0	31
71	Sensitivity-based uncertainty analysis of a combined travel demand model. Transportation Research Part B: Methodological, 2013, 57, 225-244.	2.8	31
72	A large-scale controlled experiment on pedestrian walking behavior involving individuals with disabilities. Travel Behaviour & Society, 2017, 8, 14-25.	2.4	31

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73	Vulnerability Analysis of Railway Networks in Case of Multi-Link Blockage. <i>Transportation Research Procedia</i> , 2017, 22, 275-284.	0.8	31
74	An intersection turning movement estimation procedure based on path flow estimator. <i>Journal of Advanced Transportation</i> , 2012, 46, 161-176.	0.9	30
75	An analysis of logit and weibit route choices in stochastic assignment paradox. <i>Transportation Research Part B: Methodological</i> , 2014, 69, 31-49.	2.8	30
76	Impact of license plate restriction policy on emission reduction in Hangzhou using a bottom-up approach. <i>Transportation Research, Part D: Transport and Environment</i> , 2015, 34, 281-292.	3.2	30
77	Solving the combined modal split and traffic assignment problem with two types of transit impedance function. <i>European Journal of Operational Research</i> , 2017, 257, 870-880.	3.5	30
78	Multiobjective Model for Locating Automatic Vehicle Identification Readers. <i>Transportation Research Record</i> , 2004, 1886, 49-58.	1.0	29
79	Traffic Flow Characteristics of Heterogeneous Pedestrian Stream Involving Individuals with Disabilities. <i>Transportation Research Record</i> , 2015, 2537, 111-125.	1.0	29
80	A modified gradient projection algorithm for solving the elastic demand traffic assignment problem. <i>Computers and Operations Research</i> , 2014, 47, 61-71.	2.4	28
81	Modeling absolute and relative cost differences in stochastic user equilibrium problem. <i>Transportation Research Part B: Methodological</i> , 2015, 81, 686-703.	2.8	27
82	An optimization approach for deriving upper and lower bounds of transportation network vulnerability under simultaneous disruptions of multiple links. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 94, 338-353.	3.9	27
83	A multi-class mean-excess traffic equilibrium model with elastic demand. <i>Journal of Advanced Transportation</i> , 2014, 48, 203-222.	0.9	26
84	Public transportation competitiveness analysis based on current passenger loyalty. <i>Transportation Research, Part A: Policy and Practice</i> , 2018, 113, 213-226.	2.0	26
85	Faster Frank-Wolfe Traffic Assignment with New Flow Update Scheme. <i>Journal of Transportation Engineering</i> , 2002, 128, 31-39.	0.9	25
86	Assessing the effects of stochastic perception error under travel time variability. <i>Transportation</i> , 2013, 40, 525-548.	2.1	25
87	Development of a Bidirectional Pedestrian Stream Model with an Oblique Intersecting Angle. <i>Journal of Transportation Engineering</i> , 2013, 139, 678-685.	0.9	25
88	A Dual Approach for Solving the Combined Distribution and Assignment Problem with Link Capacity Constraints. <i>Networks and Spatial Economics</i> , 2014, 14, 245-270.	0.7	25
89	Analysis of Walking Speeds Involving Individuals with Disabilities in Different Indoor Walking Environments. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2016, 142, .	0.8	25
90	New Reserve Capacity Model of Signal-Controlled Road Network. , 0, .		25

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91	Modeling Transportation Network Redundancy. <i>Transportation Research Procedia</i> , 2015, 9, 283-302.	0.8	24
92	Time Headway Modeling and Capacity Analysis of Pedestrian Facilities Involving Individuals with Disabilities. <i>Transportation Research Record</i> , 2016, 2553, 41-51.	1.0	23
93	A faster path-based algorithm with Barzilai-Borwein step size for solving stochastic traffic equilibrium models. <i>European Journal of Operational Research</i> , 2021, 290, 982-999.	3.5	23
94	Enhancing network resilience by adding redundancy to road networks. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 154, 102448.	3.7	23
95	Reformulating Environmentally Constrained Traffic Equilibrium via a Smooth Gap Function. <i>International Journal of Sustainable Transportation</i> , 2015, 9, 419-430.	2.1	22
96	Improved Path Flow Estimator for Origin-Destination Trip Tables. , 0, .		22
97	Train schedule optimization based on schedule-based stochastic passenger assignment. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 136, 101882.	3.7	21
98	Assessing Financial Feasibility of a Build-Operate-Transfer Project Under Uncertain Demand. <i>Transportation Research Record</i> , 2001, 1771, 124-130.	1.0	20
99	A conjugate gradient projection algorithm for the traffic assignment problem. <i>Mathematical and Computer Modelling</i> , 2003, 37, 863-878.	2.0	20
100	C-logit stochastic user equilibrium model with elastic demand. <i>Transportation Planning and Technology</i> , 2013, 36, 463-478.	0.9	20
101	Bi-objective nonlinear programming with minimum energy consumption and passenger waiting time for metro systems, based on the real-world smart-card data. <i>Transportmetrica B</i> , 2018, 6, 302-319.	1.4	20
102	Vulnerability evaluation of freight railway networks using a heuristic routing and scheduling optimization model. <i>Transportation</i> , 2019, 46, 1143-1170.	2.1	20
103	A link-based mean-excess traffic equilibrium model under uncertainty. <i>Transportation Research Part B: Methodological</i> , 2017, 95, 53-75.	2.8	19
104	Scenario-based multi-objective AVI reader location models under different travel demand patterns. <i>Transportmetrica</i> , 2010, 6, 53-78.	1.8	18
105	Confidence interval estimation for path flow estimator. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 1680-1698.	2.8	18
106	A semismooth Newton method for traffic equilibrium problem with a general nonadditive route cost. <i>Applied Mathematical Modelling</i> , 2011, 35, 3048-3062.	2.2	18
107	Estimating fuel consumption and emissions based on reconstructed vehicle trajectories. <i>Journal of Advanced Transportation</i> , 2014, 48, 627-641.	0.9	18
108	Elastic demand with weibit stochastic user equilibrium flows and application in a motorised and non-motorised network. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 158-185.	1.3	18

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109	Considering perception errors in network efficiency measure: an application to bridge importance ranking in degradable transportation networks. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 793-818.	1.3	18
110	Crowds involving individuals with disabilities: Modeling heterogeneity using Fractional Order Potential Fields and the Social Force Model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 514, 244-258.	1.2	18
111	Accessibility-based vulnerability analysis of multi-modal transportation networks with weibit choice models. , 2022, 1, 100029.		18
112	Improved Path Flow Estimator for Origin-Destination Trip Tables. <i>Transportation Research Record</i> , 2005, 1923, 9-17.	1.0	17
113	Improved Partial Linearization Algorithm for Solving the Combined Travel-Destination-Mode-Route Choice Problem. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2013, 139, 22-32.	0.8	17
114	A general unconstrained optimization formulation for the combined distribution and assignment problem. <i>Transportation Research Part B: Methodological</i> , 2014, 59, 137-160.	2.8	16
115	A closed-form estimation of the travel time percentile function for characterizing travel time reliability. <i>Transportation Research Part B: Methodological</i> , 2018, 118, 228-247.	2.8	16
116	Parametric Evaluation for Route Guidance Systems with Analysis of Sustainable Driver Compliance. <i>Transportation Research Record</i> , 2001, 1771, 18-27.	1.0	15
117	An improved linearization technique for a class of quadratic 0-1 programming problems. <i>Optimization Letters</i> , 2012, 6, 31-41.	0.9	15
118	An Optimization Approach for Deriving Upper and Lower Bounds of Transportation Network Vulnerability under Simultaneous Disruptions of Multiple Links. <i>Transportation Research Procedia</i> , 2017, 23, 645-663.	0.8	15
119	Exit Choice Behavior of Pedestrians Involving Individuals with Disabilities During Building Evacuations. <i>Transportation Research Record</i> , 2018, 2672, 22-29.	1.0	15
120	New Reserve Capacity Model of Signal-Controlled Road Network. <i>Transportation Research Record</i> , 2006, 1964, 35-41.	1.0	14
121	Journey time estimator for assessment of road network performance under demand uncertainty. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 35, 244-262.	3.9	14
122	Solving the stochastic multi-class traffic assignment problem with asymmetric interactions, route overlapping, and vehicle restrictions. <i>Journal of Advanced Transportation</i> , 2016, 50, 255-270.	0.9	14
123	A new day-to-day dynamic network vulnerability analysis approach with Weibit-based route adjustment process. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 153, 102421.	3.7	14
124	An improved origin-based algorithm for solving the combined distribution and assignment problem. <i>European Journal of Operational Research</i> , 2008, 188, 354-369.	3.5	13
125	A Stochastic $\hat{\pm}$ -reliable Mean-excess Traffic Equilibrium Model with Probabilistic Travel Times and Perception Errors. , 2009, , 117-145.		13
126	Impacts of the walking environment on mode and departure time shifts in response to travel time change: Case study in the multi-layered Hong Kong metropolis. <i>Travel Behaviour & Society</i> , 2022, 28, 288-299.	2.4	13

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127	System Time Minimization in Route Guidance with Elastic Market Penetration. Transportation Research Record, 1999, 1667, 25-32.	1.0	12
128	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
129	Stochastic Network Design Problem with Fuzzy Goals. Transportation Research Record, 2013, 2399, 23-33.	1.0	12
130	Incorporating multi-level taste heterogeneity in route choice modeling: From disaggregated behavior analysis to aggregated network loading. Travel Behaviour & Society, 2020, 19, 36-44.	2.4	12
131	A multi-modal network equilibrium model with captive mode choice and path size logit route choice. Transportation Research, Part A: Policy and Practice, 2020, 136, 293-317.	2.0	12
132	Analysis of freight transportation network redundancy: An application to Utah's bi-modal network for transporting coal. Transportation Research, Part A: Policy and Practice, 2021, 151, 154-171.	2.0	12
133	Models and algorithm for stochastic network designs. Tsinghua Science and Technology, 2009, 14, 341-351.	4.1	11
134	Utilizing Augmented Reality Technology for Crowd Pedestrian Analysis Involving Individuals With Disabilities. , 2013, , .		11
135	Key Strategies for Improving Public Transportation Based on Planned Behavior Theory: Case Study in Shanghai, China. Journal of the Urban Planning and Development Division, ASCE, 2015, 141, .	0.8	11
136	A P-Hub Location Problem for Determining Park-and-Ride Facility Locations with the Weibit-Based Choice Model. Sustainability, 2021, 13, 7928.	1.6	11
137	Sensitivity analysis for transit equilibrium assignment and applications to uncertainty analysis. Transportation Research Part B: Methodological, 2022, 157, 175-202.	2.8	11
138	Link- and Path-Based Traffic Assignment Algorithms: Computational and Statistical Study. Transportation Research Record, 2002, 1783, 80-88.	1.0	10
139	Identification of Network Sensor Locations for Estimation of Traffic Flow. Transportation Research Record, 2014, 2443, 32-39.	1.0	10
140	Link-Based Stochastic Loading Methods for Weibit Route Choice Model. Transportation Research Record, 2015, 2497, 84-94.	1.0	10
141	A distribution-fitting-free approach to calculating travel time reliability ratio. Transportation Research Part C: Emerging Technologies, 2018, 89, 83-95.	3.9	10
142	Two-Stage Bicycle Traffic Assignment Model. Journal of Transportation Engineering Part A: Systems, 2018, 144, 04017079.	0.8	10
143	A household optimum utility approach for modeling joint activity-travel choices in congested road networks. Transportation Research Part B: Methodological, 2020, 134, 93-125.	2.8	10
144	Network-wide on-line travel time estimation with inconsistent data from multiple sensor systems under network uncertainty. Transportmetrica A: Transport Science, 2018, 14, 110-129.	1.3	9

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145	Traffic assignment paradox incorporating congestion and stochastic perceived error simultaneously. <i>Transportmetrica A: Transport Science</i> , 2019, 15, 307-325.	1.3	9
146	Accelerating the gradient projection algorithm for solving the non-additive traffic equilibrium problem with the Barzilai-Borwein step size. <i>Computers and Operations Research</i> , 2022, 141, 105723.	2.4	8
147	Walk this way: Visualizing accessibility and mobility in metro station areas on a 3D pedestrian network. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2022, 49, 1331-1335.	1.0	8
148	Effects of Flow Update Strategies on Implementation of the Frank-Wolfe Algorithm for the Traffic Assignment Problem. <i>Transportation Research Record</i> , 2001, 1771, 132-139.	1.0	7
149	Effect of Route Choice Models on Estimation of Travel Time Reliability Under Demand and Supply Variations. , 2003, , 93-118.		7
150	Modeling Demand Elasticity and Route Overlapping in Stochastic User Equilibrium through Paired Combinatorial Logit Model. <i>Transportation Research Record</i> , 2014, 2429, 8-19.	1.0	7
151	Modeling the impacts of speed limits on uncertain road networks. <i>Transportmetrica A: Transport Science</i> , 2018, 14, 66-88.	1.3	7
152	Differentiating and modeling the installation and the usage of autonomous vehicle technologies: A system dynamics approach for policy impact studies. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 127, 103089.	3.9	7
153	Frequency-based path flow estimator for transit origin-destination trip matrices incorporating automatic passenger count and automatic fare collection data. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022, 163, 102754.	3.7	7
154	Modeling Network Traffic for Planning Applications in a Small Community. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2006, 132, 156-159.	0.8	6
155	Modeling Absolute and Relative Cost Differences in Stochastic User Equilibrium Problem. <i>Transportation Research Procedia</i> , 2015, 7, 75-95.	0.8	6
156	Selection bias in build-operate-transfer transportation project appraisals. <i>Transportation Research, Part A: Policy and Practice</i> , 2015, 75, 245-251.	2.0	6
157	Paradox links can improve system efficiency: An illustration in traffic assignment problem. <i>Transportation Research Part B: Methodological</i> , 2019, 129, 35-49.	2.8	6
158	Vulnerability analysis of cut-capacity structure and OD demand using Gomory-Hu tree method. <i>Transportation Research Part B: Methodological</i> , 2021, 153, 111-127.	2.8	6
159	Freeway and Arterial Traffic Flow Simulation Analytically Embedded in Dynamic Assignment. <i>Transportation Research Record</i> , 1999, 1678, 242-250.	1.0	5
160	An extended alternating direction method for variational inequality problems with linear equality and inequality constraints. <i>Applied Mathematics and Computation</i> , 2007, 184, 769-782.	1.4	5
161	A Framework for Modeling and Managing Mass Pedestrian Evacuations Involving Individuals With Disabilities: Networked Segways as Mobile Sensors and Actuators. , 2013, , .		5
162	Constructing the feasible space-time region of the Household Activity Pattern Problem. <i>Transportmetrica A: Transport Science</i> , 2016, 12, 591-611.	1.3	5

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163	Alternative method of counting the number of efficient paths in a transportation network. <i>Transportmetrica A: Transport Science</i> , 2022, 18, 1207-1233.	1.3	5
164	A multi-class, multi-criteria bicycle traffic assignment model. <i>International Journal of Sustainable Transportation</i> , 2021, 15, 524-540.	2.1	5
165	Identifying critical links using network capacity-based indicator in multi-modal transportation networks. <i>Transportmetrica B</i> , 2022, 10, 1126-1150.	1.4	5
166	Data modelling in transport. <i>Transportmetrica</i> , 2010, 6, 1-2.	1.8	4
167	Alternative Planning Tool for Small Metropolitan Planning Organization in Utah. <i>Transportation Research Record</i> , 2012, 2307, 68-79.	1.0	4
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