Anthony Chen

List of Publications by Year in descending order

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ΔΝΤΗΟΝΥ CHEN

#	Article	IF	CITATIONS
1	Capacity reliability of a road network: an assessment methodology and numerical results. Transportation Research Part B: Methodological, 2002, 36, 225-252.	5.9	463
2	A capacity related reliability for transportation networks. Journal of Advanced Transportation, 1999, 33, 183-200.	1.7	246
3	Network-based Accessibility Measures for Vulnerability Analysis of Degradable Transportation Networks. Networks and Spatial Economics, 2007, 7, 241-256.	1.6	235
4	The α-reliable mean-excess traffic equilibrium model with stochastic travel times. Transportation Research Part B: Methodological, 2010, 44, 493-513.	5.9	219
5	Constraint handling in genetic algorithms using a gradient-based repair method. Computers and Operations Research, 2006, 33, 2263-2281.	4.0	195
6	Performance of transportation network under perturbations: Reliability, vulnerability, and resilience. Transportation Research, Part E: Logistics and Transportation Review, 2020, 133, 101809.	7.4	152
7	An energy-efficient scheduling approach to improve the utilization of regenerative energy for metro systems. Transportation Research Part C: Emerging Technologies, 2015, 57, 13-29.	7.6	142
8	Traffic equilibrium problem with route-specific costs: formulation and algorithms. Transportation Research Part B: Methodological, 2000, 34, 493-513.	5.9	140
9	C-logit stochastic user equilibrium model: formulations and solution algorithm. Transportmetrica, 2012, 8, 17-41.	1.8	121
10	Path finding under uncertainty. Journal of Advanced Transportation, 2005, 39, 19-37.	1.7	120
11	Stochastic multi-objective models for network design problem. Expert Systems With Applications, 2010, 37, 1608-1619.	7.6	110
12	Transport Network Design Problem under Uncertainty: A Review and New Developments. Transport Reviews, 2011, 31, 743-768.	8.8	100
13	Stochastic Transportation Network Design Problem with Spatial Equity Constraint. Transportation Research Record, 2004, 1882, 97-104.	1.9	94
14	A dynamic traffic assignment model with traffic-flow relationships. Transportation Research Part C: Emerging Technologies, 1995, 3, 51-72.	7.6	89
15	Travel Time Reliability with Risk-Sensitive Travelers. Transportation Research Record, 2002, 1783, 27-33.	1.9	87
16	A stochastic model for the integrated optimization on metro timetable and speed profile with uncertain train mass. Transportation Research Part B: Methodological, 2016, 91, 424-445.	5.9	86
17	Comparative analysis of three user equilibrium models under stochastic demand. Journal of Advanced Transportation, 2008, 42, 239-263.	1.7	85
18	Computational study of state-of-the-art path-based traffic assignment algorithms. Mathematics and Computers in Simulation, 2002, 59, 509-518.	4.4	83

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19	A reliability-based land use and transportation optimization model. Transportation Research Part C: Emerging Technologies, 2011, 19, 351-362.	7.6	80
20	A simulation-based multi-objective genetic algorithm (SMOGA) procedure for BOT network design problem. Optimization and Engineering, 2006, 7, 225-247.	2.4	76
21	Multi-objective α-reliable path finding in stochastic networks with correlated link costs: A simulation-based multi-objective genetic algorithm approach (SMOGA). Expert Systems With Applications, 2011, 38, 1515-1528.	7.6	76
22	A multi-year pavement maintenance program using a stochastic simulation-based genetic algorithm approach. Transportation Research, Part A: Policy and Practice, 2006, 40, 725-743.	4.2	73
23	A path-size weibit stochastic user equilibrium model. Transportation Research Part B: Methodological, 2013, 57, 378-397.	5.9	73
24	Alpha Reliable Network Design Problem. Transportation Research Record, 2007, 2029, 49-57.	1.9	72
25	Transportation network redundancy: Complementary measures and computational methods. Transportation Research Part B: Methodological, 2018, 114, 68-85.	5.9	72
26	Modeling stochastic perception error in the mean-excess traffic equilibrium model. Transportation Research Part B: Methodological, 2011, 45, 1619-1640.	5.9	69
27	A reliability-based network design problem. Journal of Advanced Transportation, 2005, 39, 247-270.	1.7	68
28	A BI-OBJECTIVE TRAFFIC COUNTING LOCATION PROBLEM FOR ORIGIN-DESTINATION TRIP TABLE ESTIMATION. Transportmetrica, 2005, 1, 65-80.	1.8	67
29	Uncovering the contribution of travel time reliability to dynamic route choice using real-time loop data. Transportation Research, Part A: Policy and Practice, 2004, 38, 435-453.	4.2	65
30	Examining the Quality of Synthetic Origin–Destination Trip Table Estimated by Path Flow Estimator. Journal of Transportation Engineering, 2005, 131, 506-513.	0.9	64
31	A bi-objective user equilibrium model of travel time reliability in a road network. Transportation Research Part B: Methodological, 2014, 66, 4-15.	5.9	64
32	Goal programming approach to solving network design problem with multiple objectives and demand uncertainty. Expert Systems With Applications, 2012, 39, 4160-4170.	7.6	62
33	A self-adaptive gradient projection algorithm for the nonadditive traffic equilibrium problem. Computers and Operations Research, 2012, 39, 127-138.	4.0	61
34	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
35	Unconstrained weibit stochastic user equilibrium model with extensions. Transportation Research Part B: Methodological, 2014, 59, 1-21.	5.9	61
36	Mean-Variance Model for the Build-Operate-Transfer Scheme Under Demand Uncertainty. Transportation Research Record, 2003, 1857, 93-101.	1.9	54

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37	Assessing the Transportation Needs of Low-Mobility Individuals: Case Study of a Small Urban Community in Utah. Journal of the Urban Planning and Development Division, ASCE, 2013, 139, 104-114.	1.7	54
38	Measuring Route Diversity for Urban Rail Transit Networks: A Case Study of the Beijing Metro Network. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 259-268.	8.0	54
39	A self-adaptive projection and contraction algorithm for the traffic assignment problem with path-specific costs. European Journal of Operational Research, 2001, 135, 27-41.	5.7	53
40	Alternate capacity reliability measures for transportation networks. Journal of Advanced Transportation, 2013, 47, 79-104.	1.7	53
41	Robust network sensor location for complete link flow observability under uncertainty. Transportation Research Part B: Methodological, 2016, 88, 1-20.	5.9	52
42	Bi-objective programming approach for solving the metro timetable optimization problem with dwell time uncertainty. Transportation Research, Part E: Logistics and Transportation Review, 2017, 97, 22-37.	7.4	52
43	Increasing the resilience level of a vulnerable rail network: The strategy of location and allocation of emergency relief trains. Transportation Research, Part E: Logistics and Transportation Review, 2018, 119, 110-128.	7.4	51
44	Analysis of regulation and policy of private toll roads in a build-operate-transfer scheme under demand uncertainty. Transportation Research, Part A: Policy and Practice, 2007, 41, 537-558.	4.2	50
45	Norm approximation method for handling traffic count inconsistencies in path flow estimator. Transportation Research Part B: Methodological, 2009, 43, 852-872.	5.9	48
46	Modeling Mode and Route Similarities in Network Equilibrium Problem with Go-Green Modes. Networks and Spatial Economics, 2016, 16, 33-60.	1.6	48
47	A Path-size Weibit Stochastic User Equilibrium Model. Procedia, Social and Behavioral Sciences, 2013, 80, 608-632.	0.5	47
48	Effects of Regulation on Highway Pricing and Capacity Choice of a Build-Operate-Transfer Scheme. Journal of Construction Engineering and Management - ASCE, 2007, 133, 64-71.	3.8	44
49	COVID-19, community response, public policy, and travel patterns: A tale of Hong Kong. Transport Policy, 2021, 106, 173-184.	6.6	44
50	ADAPTATION OF THE PAIRED COMBINATORIAL LOGIT MODEL TO THE ROUTE CHOICE PROBLEM. Transportmetrica, 2005, 1, 223-240.	1.8	43
51	Computation and application of the paired combinatorial logit stochastic user equilibrium problem. Computers and Operations Research, 2014, 43, 68-77.	4.0	42
52	STRATEGIES FOR SELECTING ADDITIONAL TRAFFIC COUNTS FOR IMPROVING O-D TRIP TABLE ESTIMATION. Transportmetrica, 2007, 3, 191-211.	1.8	41
53	Modeling Physical and Environmental Side Constraints in Traffic Equilibrium Problem. International Journal of Sustainable Transportation, 2011, 5, 172-197.	4.1	41
54	Alternative formulations of a combined trip generation, trip distribution, modal split, and trip assignment model. European Journal of Operational Research, 2009, 198, 129-138.	5.7	40

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55	A review of sustainable network design for road networks. KSCE Journal of Civil Engineering, 2016, 20, 1084-1098.	1.9	40
56	Effect of Route Choice Models on Estimating Network Capacity Reliability. Transportation Research Record, 2000, 1733, 63-70.	1.9	39
57	Solving the bicriteria traffic equilibrium problem with variable demand and nonlinear path costs. Applied Mathematics and Computation, 2010, 217, 3020-3031.	2.2	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.	4.2	38
59	An energy-efficient rescheduling approach under delay perturbations for metro systems. Transportmetrica B, 2019, 7, 386-400.	2.3	37
60	Sensitivity analysis of the combined travel demand model with applications. European Journal of Operational Research, 2009, 198, 909-921.	5.7	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.	5.9	36
62	Modeling capacity flexibility of transportation networks. Transportation Research, Part A: Policy and Practice, 2011, 45, 105-117.	4.2	35
63	Path-Based Algorithms to Solve C-Logit Stochastic User Equilibrium Assignment Problem. Transportation Research Record, 2012, 2279, 21-30.	1.9	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.	9.3	35
65	Lâ^ž-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.	5.0	34
67	Modeling Emergency Evacuation of Individuals with Disabilities in a Densely Populated Airport. Transportation Research Record, 2011, 2206, 32-38.	1.9	32
68	A self-adaptive Armijo stepsize strategy with application to traffic assignment models and algorithms. Transportmetrica A: Transport Science, 2013, 9, 695-712.	2.0	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.	5.9	32
70	Solving the Overlapping Problem in Route Choice with Paired Combinatorial Logit Model. Transportation Research Record, 2003, 1857, 65-73.	1.9	31
71	Sensitivity-based uncertainty analysis of a combined travel demand model. Transportation Research Part B: Methodological, 2013, 57, 225-244.	5.9	31
72	A large-scale controlled experiment on pedestrian walking behavior involving individuals with disabilities. Travel Behaviour & Society, 2017, 8, 14-25.	5.0	31

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73	Vulnerability Analysis of Railway Networks in Case of Multi-Link Blockage. Transportation Research Procedia, 2017, 22, 275-284.	1.5	31
74	An intersection turning movement estimation procedure based on path flow estimator. Journal of Advanced Transportation, 2012, 46, 161-176.	1.7	30
75	An analysis of logit and weibit route choices in stochastic assignment paradox. Transportation Research Part B: Methodological, 2014, 69, 31-49.	5.9	30
76	Impact of license plate restriction policy on emission reduction in Hangzhou using a bottom-up approach. Transportation Research, Part D: Transport and Environment, 2015, 34, 281-292.	6.8	30
77	Solving the combined modal split and traffic assignment problem with two types of transit impedance function. European Journal of Operational Research, 2017, 257, 870-880.	5.7	30
78	Multiobjective Model for Locating Automatic Vehicle Identification Readers. Transportation Research Record, 2004, 1886, 49-58.	1.9	29
79	Traffic Flow Characteristics of Heterogeneous Pedestrian Stream Involving Individuals with Disabilities. Transportation Research Record, 2015, 2537, 111-125.	1.9	29
80	A modified gradient projection algorithm for solving the elastic demand traffic assignment problem. Computers and Operations Research, 2014, 47, 61-71.	4.0	28
81	Modeling absolute and relative cost differences in stochastic user equilibrium problem. Transportation Research Part B: Methodological, 2015, 81, 686-703.	5.9	27
82	An optimization approach for deriving upper and lower bounds of transportation network vulnerability under simultaneous disruptions of multiple links. Transportation Research Part C: Emerging Technologies, 2018, 94, 338-353.	7.6	27
83	A multiâ€class meanâ€excess traffic equilibrium model with elastic demand. Journal of Advanced Transportation, 2014, 48, 203-222.	1.7	26
84	Public transportation competitiveness analysis based on current passenger loyalty. Transportation Research, Part A: Policy and Practice, 2018, 113, 213-226.	4.2	26
85	Faster Frank-Wolfe Traffic Assignment with New Flow Update Scheme. Journal of Transportation Engineering, 2002, 128, 31-39.	0.9	25
86	Assessing the effects of stochastic perception error under travel time variability. Transportation, 2013, 40, 525-548.	4.0	25
87	Development of a Bidirectional Pedestrian Stream Model with an Oblique Intersecting Angle. Journal of Transportation Engineering, 2013, 139, 678-685.	0.9	25
88	A Dual Approach for Solving the Combined Distribution and Assignment Problem with Link Capacity Constraints. Networks and Spatial Economics, 2014, 14, 245-270.	1.6	25
89	Analysis of Walking Speeds Involving Individuals with Disabilities in Different Indoor Walking Environments. Journal of the Urban Planning and Development Division, ASCE, 2016, 142, .	1.7	25
90	New Reserve Capacity Model of Signal-Controlled Road Network. Transportation Research Record, 2006, 1964, 35-41.	1.9	25

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91	Modeling Transportation Network Redundancy. Transportation Research Procedia, 2015, 9, 283-302.	1.5	24
92	Time Headway Modeling and Capacity Analysis of Pedestrian Facilities Involving Individuals with Disabilities. Transportation Research Record, 2016, 2553, 41-51.	1.9	23
93	A faster path-based algorithm with Barzilai-Borwein step size for solving stochastic traffic equilibrium models. European Journal of Operational Research, 2021, 290, 982-999.	5.7	23
94	Enhancing network resilience by adding redundancy to road networks. Transportation Research, Part E: Logistics and Transportation Review, 2021, 154, 102448.	7.4	23
95	Reformulating Environmentally Constrained Traffic Equilibrium via a Smooth Gap Function. International Journal of Sustainable Transportation, 2015, 9, 419-430.	4.1	22
96	Improved Path Flow Estimator for Origin-Destination Trip Tables. Transportation Research Record, 2005, 1923, 9-17.	1.9	22
97	Train schedule optimization based on schedule-based stochastic passenger assignment. Transportation Research, Part E: Logistics and Transportation Review, 2020, 136, 101882.	7.4	21
98	Assessing Financial Feasibility of a Build–Operate–Transfer Project Under Uncertain Demand. Transportation Research Record, 2001, 1771, 124-130.	1.9	20
99	A conjugate gradient projection algorithm for the traffic assignment problem. Mathematical and Computer Modelling, 2003, 37, 863-878.	2.0	20
100	C-logit stochastic user equilibrium model with elastic demand. Transportation Planning and Technology, 2013, 36, 463-478.	2.0	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. Transportmetrica B, 2018, 6, 302-319.	2.3	20
102	Vulnerability evaluation of freight railway networks using a heuristic routing and scheduling optimization model. Transportation, 2019, 46, 1143-1170.	4.0	20
103	A link-based mean-excess traffic equilibrium model under uncertainty. Transportation Research Part B: Methodological, 2017, 95, 53-75.	5.9	19
104	Scenario-based multi-objective AVI reader location models under different travel demand patterns. Transportmetrica, 2010, 6, 53-78.	1.8	18
105	Confidence interval estimation for path flow estimator. Transportation Research Part B: Methodological, 2011, 45, 1680-1698.	5.9	18
106	A semismooth Newton method for traffic equilibrium problem with a general nonadditive route cost. Applied Mathematical Modelling, 2011, 35, 3048-3062.	4.2	18
107	Estimating fuel consumption and emissions based on reconstructed vehicle trajectories. Journal of Advanced Transportation, 2014, 48, 627-641.	1.7	18
108	Elastic demand with weibit stochastic user equilibrium flows and application in a motorised and non-motorised network. Transportmetrica A: Transport Science, 2015, 11, 158-185.	2.0	18

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109	Considering perception errors in network efficiency measure: an application to bridge importance ranking in degradable transportation networks. Transportmetrica A: Transport Science, 2015, 11, 793-818.	2.0	18
110	Crowds involving individuals with disabilities: Modeling heterogeneity using Fractional Order Potential Fields and the Social Force Model. Physica A: Statistical Mechanics and Its Applications, 2019, 514, 244-258.	2.6	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. Transportation Research Record, 2005, 1923, 9-17.	1.9	17
113	Improved Partial Linearization Algorithm for Solving the Combined Travel-Destination-Mode-Route Choice Problem. Journal of the Urban Planning and Development Division, ASCE, 2013, 139, 22-32.	1.7	17
114	A general unconstrained optimization formulation for the combined distribution and assignment problem. Transportation Research Part B: Methodological, 2014, 59, 137-160.	5.9	16
115	A closed-form estimation of the travel time percentile function for characterizing travel time reliability. Transportation Research Part B: Methodological, 2018, 118, 228-247.	5.9	16
116	Parametric Evaluation for Route Guidance Systems with Analysis of Sustainable Driver Compliance. Transportation Research Record, 2001, 1771, 18-27.	1.9	15
117	An improved linearization technique for a class of quadratic 0-1 programming problems. Optimization Letters, 2012, 6, 31-41.	1.6	15
118	An Optimization Approach for Deriving Upper and Lower Bounds of Transportation Network Vulnerability under Simultaneous Disruptions of Multiple Links. Transportation Research Procedia, 2017, 23, 645-663.	1.5	15
119	Exit Choice Behavior of Pedestrians Involving Individuals with Disabilities During Building Evacuations. Transportation Research Record, 2018, 2672, 22-29.	1.9	15
120	New Reserve Capacity Model of Signal-Controlled Road Network. Transportation Research Record, 2006, 1964, 35-41.	1.9	14
121	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
122	Solving the stochastic multi lass traffic assignment problem with asymmetric interactions, route overlapping, and vehicle restrictions. Journal of Advanced Transportation, 2016, 50, 255-270.	1.7	14
123	A new day-to-day dynamic network vulnerability analysis approach with Weibit-based route adjustment process. Transportation Research, Part E: Logistics and Transportation Review, 2021, 153, 102421.	7.4	14
124	An improved origin-based algorithm for solving the combined distribution and assignment problem. European Journal of Operational Research, 2008, 188, 354-369.	5.7	13
125	A Stochastic α-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. Travel Behaviour & Society, 2022, 28, 288-299.	5.0	13

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127	System Time Minimization in Route Guidance with Elastic Market Penetration. Transportation Research Record, 1999, 1667, 25-32.	1.9	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.	1.9	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.	5.0	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.	4.2	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.	4.2	12
133	Models and algorithm for stochastic network designs. Tsinghua Science and Technology, 2009, 14, 341-351.	6.1	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, .	1.7	11
136	A P-Hub Location Problem for Determining Park-and-Ride Facility Locations with the Weibit-Based Choice Model. Sustainability, 2021, 13, 7928.	3.2	11
137	Sensitivity analysis for transit equilibrium assignment and applications to uncertainty analysis. Transportation Research Part B: Methodological, 2022, 157, 175-202.	5.9	11
138	Link- and Path-Based Traffic Assignment Algorithms: Computational and Statistical Study. Transportation Research Record, 2002, 1783, 80-88.	1.9	10
139	Identification of Network Sensor Locations for Estimation of Traffic Flow. Transportation Research Record, 2014, 2443, 32-39.	1.9	10
140	Link-Based Stochastic Loading Methods for Weibit Route Choice Model. Transportation Research Record, 2015, 2497, 84-94.	1.9	10
141	A distribution-fitting-free approach to calculating travel time reliability ratio. Transportation Research Part C: Emerging Technologies, 2018, 89, 83-95.	7.6	10
142	Two-Stage Bicycle Traffic Assignment Model. Journal of Transportation Engineering Part A: Systems, 2018, 144, 04017079.	1.4	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.	5.9	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.	2.0	9

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145	Traffic assignment paradox incorporating congestion and stochastic perceived error simultaneously. Transportmetrica A: Transport Science, 2019, 15, 307-325.	2.0	9
146	Accelerating the gradient projection algorithm for solving the non-additive traffic equilibrium problem with the Barzilai-Borwein step size. Computers and Operations Research, 2022, 141, 105723.	4.0	8
147	Walk this way: Visualizing accessibility and mobility in metro station areas on a 3D pedestrian network. Environment and Planning B: Urban Analytics and City Science, 2022, 49, 1331-1335.	2.0	8
148	Effects of Flow Update Strategies on Implementation of the Frank–Wolfe Algorithm for the Traffic Assignment Problem. Transportation Research Record, 2001, 1771, 132-139.	1.9	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. Transportation Research Record, 2014, 2429, 8-19.	1.9	7
151	Modeling the impacts of speed limits on uncertain road networks. Transportmetrica A: Transport Science, 2018, 14, 66-88.	2.0	7
152	Differentiating and modeling the installation and the usage of autonomous vehicle technologies: A system dynamics approach for policy impact studies. Transportation Research Part C: Emerging Technologies, 2021, 127, 103089.	7.6	7
153	Frequency-based path flow estimator for transit origin-destination trip matrices incorporating automatic passenger count and automatic fare collection data. Transportation Research, Part E: Logistics and Transportation Review, 2022, 163, 102754.	7.4	7
154	Modeling Network Traffic for Planning Applications in a Small Community. Journal of the Urban Planning and Development Division, ASCE, 2006, 132, 156-159.	1.7	6
155	Modeling Absolute and Relative Cost Differences in Stochastic User Equilibrium Problem. Transportation Research Procedia, 2015, 7, 75-95.	1.5	6
156	Selection bias in build-operate-transfer transportation project appraisals. Transportation Research, Part A: Policy and Practice, 2015, 75, 245-251.	4.2	6
157	Paradox links can improve system efficiency: An illustration in traffic assignment problem. Transportation Research Part B: Methodological, 2019, 129, 35-49.	5.9	6
158	Vulnerability analysis of cut-capacity structure and OD demand using Gomory-Hu tree method. Transportation Research Part B: Methodological, 2021, 153, 111-127.	5.9	6
159	Freeway and Arterial Traffic Flow Simulation Analytically Embedded in Dynamic Assignment. Transportation Research Record, 1999, 1678, 242-250.	1.9	5
160	An extended alternating direction method for variational inequality problems with linear equality and inequality constraints. Applied Mathematics and Computation, 2007, 184, 769-782.	2.2	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. Transportmetrica A: Transport Science, 2016, 12, 591-611.	2.0	5

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163	Alternative method of counting the number of efficient paths in a transportation network. Transportmetrica A: Transport Science, 2022, 18, 1207-1233.	2.0	5
164	A multi-class, multi-criteria bicycle traffic assignment model. International Journal of Sustainable Transportation, 2021, 15, 524-540.	4.1	5
165	Identifying critical links using network capacity-based indicator in multi-modal transportation networks. Transportmetrica B, 2022, 10, 1126-1150.	2.3	5
166	Data modelling in transport. Transportmetrica, 2010, 6, 1-2.	1.8	4
167	Alternative Planning Tool for Small Metropolitan Planning Organization in Utah. Transportation Research Record, 2012, 2307, 68-79.	1.9	4
168	Is it Necessary to Relax the IID Assumptions in the Logsum-Based Accessibility Analysis?. Transportation Research Record, 2019, 2673, 84-96.	1.9	4
169	Exploring effects of environment density on heterogeneous populations' level of service perceptions. Transportation Research, Part A: Policy and Practice, 2019, 124, 115-127.	4.2	4
170	Multimodal Urban Transportation Network Capacity Model Considering Intermodal Transportation. Transportation Research Record, 2022, 2676, 357-373.	1.9	4
171	Path flow estimator for planning applications in small communities. Transportation Research, Part A: Policy and Practice, 2014, 69, 212-242.	4.2	3
172	Estimating Bicycle Demand of a Small Community. KSCE Journal of Civil Engineering, 2019, 23, 2690-2701.	1.9	3
173	Modeling the α-max capacity of transportation networks: a single-level mathematical programming formulation. Transportation, 2022, 49, 1211-1243.	4.0	3
174	A Two-Step Model for Predicting Travel Demand in Expanding Subways. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19534-19543.	8.0	3
175	Modeling Different Groups of Pedestrians With Physical Disability, Using the Social Force Model and Fractional Order Potential Fields. , 2015, , .		2
176	A two-stage approach for estimating a statewide truck trip table. Transportation Research, Part A: Policy and Practice, 2017, 102, 274-292.	4.2	2
177	A select link analysis method based on logit–weibit hybrid model. Journal of Modern Transportation, 2017, 25, 205-217.	2.5	2
178	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.	2.0	2
179	A Two-Phase Gradient Projection Algorithm for Solving the Combined Modal Split and Traffic Assignment Problem with Nested Logit Function. Journal of Advanced Transportation, 2021, 2021, 1-18.	1.7	2
180	Analysis of a multiplicative hybrid route choice model in stochastic assignment paradox. Transportmetrica A: Transport Science, 2022, 18, 1544-1568.	2.0	2

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181	Static congestion pricing considering the cumulative impact of day-to-day dynamics with Weibit adjustment process. Transportmetrica B, 2022, 10, 237-265.	2.3	2
182	How to disseminate reliable waiting time in app-based transportation services considering attractiveness and credibility. Transportmetrica A: Transport Science, 2023, 19, .	2.0	2
183	Strategy-based transit stochastic user equilibrium model with capacity and number-of-transfers constraints. European Journal of Operational Research, 2023, 305, 164-183.	5.7	2
184	Modeling the Effects of Turn Delay Uncertainties on Route Choice Behavior in Signalized Road Networks. Transportation Research Record, 2009, 2091, 1-11.	1.9	1
185	The $\hat{I}\pm$ -Reliable Mean-Excess Path Finding Model in Stochastic Networks. , 2010, , .		1
186	Sensitivity-based Uncertainty Analysis of a Combined Travel Demand Model. Procedia, Social and Behavioral Sciences, 2013, 80, 395-415.	0.5	1
187	Assessing the Relationship between Access Travel Time Estimation and the Accessibility to High Speed Railway Station by Different Travel Modes. Sustainability, 2020, 12, 7827.	3.2	1
188	Impacts of the least perceived travel cost on the Weibit network equilibrium. Transportmetrica A: Transport Science, 2023, 19, .	2.0	1
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