Anthony Chen

List of Publications by Year
in descending order

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	Impacts of the least perceived travel cost on the Weibit network equilibrium. Transportmetrica A: Transport Science, 2023, 19, .	1.3	1
2	How to disseminate reliable waiting time in app-based transportation services considering attractiveness and credibility. Transportmetrica A: Transport Science, 2023, 19, .	1.3	2
3	Strategy-based transit stochastic user equilibrium model with capacity and number-of-transfers constraints. European Journal of Operational Research, 2023, 305, 164-183.	3.5	2
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	Alternative method of counting the number of efficient paths in a transportation network. Transportmetrica A: Transport Science, 2022, 18, 1207-1233.	1.3	5
6	Analysis of a multiplicative hybrid route choice model in stochastic assignment paradox. Transportmetrica A: Transport Science, 2022, 18, 1544-1568.	1.3	2
7	Modeling the Î±-max capacity of transportation networks: a single-level mathematical programming formulation. Transportation, 2022, 49, 1211-1243.	2.1	3
8	Static congestion pricing considering the cumulative impact of day-to-day dynamics with Weibit adjustment process. Transportmetrica B, 2022, 10, 237-265.	1.4	2
9	Identifying critical links using network capacity-based indicator in multi-modal transportation networks. Transportmetrica B, 2022, 10, 1126-1150.	1.4	5
10	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.	2.4	8
11	Sensitivity analysis for transit equilibrium assignment and applications to uncertainty analysis. Transportation Research Part B: Methodological, 2022, 157, 175-202.	2.8	11
12	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.	1.0	8
13	Multimodal Urban Transportation Network Capacity Model Considering Intermodal Transportation. Transportation Research Record, 2022, 2676, 357-373.	1.0	4
14	A Two-Step Model for Predicting Travel Demand in Expanding Subways. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19534-19543.	4.7	3
15	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.	2.4	13
16	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.	3.7	7
17	Accessibility-based vulnerability analysis of multi-modal transportation networks with weibit choice models. , 2022, 1, 100029.		18
18	Visualizing the impact of Covid-19 vaccine passports on pedestrian access to metro stations in Hong Kong. Regional Studies, Regional Science, 2022, 9, 516-518.	0.7	1

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19	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.	3.5	23
20	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
21	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.	0.9	2
22	COVID-19, community response, public policy, and travel patterns: A tale of Hong Kong. Transport Policy, 2021, 106, 173-184.	3.4	44
23	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.	3.9	7
24	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
25	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.	3.7	14
26	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
27	Enhancing network resilience by adding redundancy to road networks. Transportation Research, Part E: Logistics and Transportation Review, 2021, 154, 102448.	3.7	23
28	Vulnerability analysis of cut-capacity structure and OD demand using Gomory-Hu tree method. Transportation Research Part B: Methodological, 2021, 153, 111-127.	2.8	6
29	Considering Space Syntax in Bicycle Traffic Assignment with One or More User Classes. Sustainability, 2021, 13, 11078.	1.6	1
30	A multi-class, multi-criteria bicycle traffic assignment model. International Journal of Sustainable Transportation, 2021, 15, 524-540.	2.1	5
31	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
32	Performance of transportation network under perturbations: Reliability, vulnerability, and resilience. Transportation Research, Part E: Logistics and Transportation Review, 2020, 133, 101809.	3.7	152
33	Assessing the Relationship between Access Travel Time Estimation and the Accessibility to High Speed Railway Station by Different Travel Modes. Sustainability, 2020, 12, 7827.	1.6	1
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	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
36	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

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37	Traffic assignment paradox incorporating congestion and stochastic perceived error simultaneously. Transportmetrica A: Transport Science, 2019, 15, 307-325.	1.3	9
38	Paradox links can improve system efficiency: An illustration in traffic assignment problem. Transportation Research Part B: Methodological, 2019, 129, 35-49.	2.8	6
39	Estimating Bicycle Demand of a Small Community. KSCE Journal of Civil Engineering, 2019, 23, 2690-2701.	0.9	3
40	Is it Necessary to Relax the IID Assumptions in the Logsum-Based Accessibility Analysis?. Transportation Research Record, 2019, 2673, 84-96.	1.0	4
41	Exploring effects of environment density on heterogeneous populations' level of service perceptions. Transportation Research, Part A: Policy and Practice, 2019, 124, 115-127.	2.0	4
42	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.	1.2	18
43	Vulnerability evaluation of freight railway networks using a heuristic routing and scheduling optimization model. Transportation, 2019, 46, 1143-1170.	2.1	20
44	An energy-efficient rescheduling approach under delay perturbations for metro systems. Transportmetrica B, 2019, 7, 386-400.	1.4	37
45	A distribution-fitting-free approach to calculating travel time reliability ratio. Transportation Research Part C: Emerging Technologies, 2018, 89, 83-95.	3.9	10
46	Two-Stage Bicycle Traffic Assignment Model. Journal of Transportation Engineering Part A: Systems, 2018, 144, 04017079.	0.8	10
47	Public transportation competitiveness analysis based on current passenger loyalty. Transportation Research, Part A: Policy and Practice, 2018, 113, 213-226.	2.0	26
48	Exit Choice Behavior of Pedestrians Involving Individuals with Disabilities During Building Evacuations. Transportation Research Record, 2018, 2672, 22-29.	1.0	15
49	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.	1.4	20
50	Modeling the impacts of speed limits on uncertain road networks. Transportmetrica A: Transport Science, 2018, 14, 66-88.	1.3	7
51	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
52	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.	3.9	27
53	A closed-form estimation of the travel time percentile function for characterizing travel time reliability. Transportation Research Part B: Methodological, 2018, 118, 228-247.	2.8	16
54	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.	3.7	51

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55	Transportation network redundancy: Complementary measures and computational methods. Transportation Research Part B: Methodological, 2018, 114, 68-85.	2.8	72
56	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.	4.7	54
57	A large-scale controlled experiment on pedestrian walking behavior involving individuals with disabilities. Travel Behaviour & Society, 2017, 8, 14-25.	2.4	31
58	Vulnerability Analysis of Railway Networks in Case of Multi-Link Blockage. Transportation Research Procedia, 2017, 22, 275-284.	0.8	31
59	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
60	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.	0.8	15
61	A link-based mean-excess traffic equilibrium model under uncertainty. Transportation Research Part B: Methodological, 2017, 95, 53-75.	2.8	19
62	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.	3.7	52
63	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.	3.5	30
64	A two-stage approach for estimating a statewide truck trip table. Transportation Research, Part A: Policy and Practice, 2017, 102, 274-292.	2.0	2
65	A select link analysis method based on logit–weibit hybrid model. Journal of Modern Transportation, 2017, 25, 205-217.	2.5	2
66	Modeling Mode and Route Similarities in Network Equilibrium Problem with Go-Green Modes. Networks and Spatial Economics, 2016, 16, 33-60.	0.7	48
67	Solving the stochastic multi–class traffic assignment problem with asymmetric interactions, route overlapping, and vehicle restrictions. Journal of Advanced Transportation, 2016, 50, 255-270.	0.9	14
68	Time Headway Modeling and Capacity Analysis of Pedestrian Facilities Involving Individuals with Disabilities. Transportation Research Record, 2016, 2553, 41-51.	1.0	23
69	A review of sustainable network design for road networks. KSCE Journal of Civil Engineering, 2016, 20, 1084-1098.	0.9	40
70	Constructing the feasible space–time region of the Household Activity Pattern Problem. Transportmetrica A: Transport Science, 2016, 12, 591-611.	1.3	5
71	Robust network sensor location for complete link flow observability under uncertainty. Transportation Research Part B: Methodological, 2016, 88, 1-20.	2.8	52
72	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.	2.8	86

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73	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
74	Analysis of Walking Speeds Involving Individuals with Disabilities in Different Indoor Walking Environments. Journal of the Urban Planning and Development Division, ASCE, 2016, 142, .	0.8	25
75	Modeling Transportation Network Redundancy. Transportation Research Procedia, 2015, 9, 283-302.	0.8	24
76	Link-Based Stochastic Loading Methods for Weibit Route Choice Model. Transportation Research Record, 2015, 2497, 84-94.	1.0	10
77	Traffic Flow Characteristics of Heterogeneous Pedestrian Stream Involving Individuals with Disabilities. Transportation Research Record, 2015, 2537, 111-125.	1.0	29
78	Modeling Different Groups of Pedestrians With Physical Disability, Using the Social Force Model and Fractional Order Potential Fields. , 2015, , .		2
79	Modeling Absolute and Relative Cost Differences in Stochastic User Equilibrium Problem. Transportation Research Procedia, 2015, 7, 75-95.	0.8	6
80	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.	3.9	142
81	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.	3.2	30
82	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
83	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.	1.3	18
84	Reformulating Environmentally Constrained Traffic Equilibrium via a Smooth Gap Function. International Journal of Sustainable Transportation, 2015, 9, 419-430.	2.1	22
85	Selection bias in build-operate-transfer transportation project appraisals. Transportation Research, Part A: Policy and Practice, 2015, 75, 245-251.	2.0	6
86	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.	1.3	18
87	Modeling absolute and relative cost differences in stochastic user equilibrium problem. Transportation Research Part B: Methodological, 2015, 81, 686-703.	2.8	27
88	Modeling Demand Elasticity and Route Overlapping in Stochastic User Equilibrium through Paired Combinatorial Logit Model. Transportation Research Record, 2014, 2429, 8-19.	1.0	7
89	Estimating fuel consumption and emissions based on reconstructed vehicle trajectories. Journal of Advanced Transportation, 2014, 48, 627-641.	0.9	18
90	A multiâ€class meanâ€excess traffic equilibrium model with elastic demand. Journal of Advanced Transportation, 2014, 48, 203-222.	0.9	26

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91	A bi-objective user equilibrium model of travel time reliability in a road network. Transportation Research Part B: Methodological, 2014, 66, 4-15.	2.8	64
92	Path flow estimator for planning applications in small communities. Transportation Research, Part A: Policy and Practice, 2014, 69, 212-242.	2.0	3
93	An analysis of logit and weibit route choices in stochastic assignment paradox. Transportation Research Part B: Methodological, 2014, 69, 31-49.	2.8	30
94	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.	2.8	61
95	A Dual Approach for Solving the Combined Distribution and Assignment Problem with Link Capacity Constraints. Networks and Spatial Economics, 2014, 14, 245-270.	0.7	25
96	Computation and application of the paired combinatorial logit stochastic user equilibrium problem. Computers and Operations Research, 2014, 43, 68-77.	2.4	42
97	A modified gradient projection algorithm for solving the elastic demand traffic assignment problem. Computers and Operations Research, 2014, 47, 61-71.	2.4	28
98	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
99	Unconstrained weibit stochastic user equilibrium model with extensions. Transportation Research Part B: Methodological, 2014, 59, 1-21.	2.8	61
100	A general unconstrained optimization formulation for the combined distribution and assignment problem. Transportation Research Part B: Methodological, 2014, 59, 137-160.	2.8	16
101	Identification of Network Sensor Locations for Estimation of Traffic Flow. Transportation Research Record, 2014, 2443, 32-39.	1.0	10
102	Assessing the effects of stochastic perception error under travel time variability. Transportation, 2013, 40, 525-548.	2.1	25
103	Sensitivity-based uncertainty analysis of a combined travel demand model. Transportation Research Part B: Methodological, 2013, 57, 225-244.	2.8	31
104	Alternate capacity reliability measures for transportation networks. Journal of Advanced Transportation, 2013, 47, 79-104.	0.9	53
105	A path-size weibit stochastic user equilibrium model. Transportation Research Part B: Methodological, 2013, 57, 378-397.	2.8	73
106	A Path-size Weibit Stochastic User Equilibrium Model. Procedia, Social and Behavioral Sciences, 2013, 80, 608-632.	0.5	47
107	Sensitivity-based Uncertainty Analysis of a Combined Travel Demand Model. Procedia, Social and Behavioral Sciences, 2013, 80, 395-415.	0.5	1
108	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

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109	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.	0.8	54
110	Development of a Bidirectional Pedestrian Stream Model with an Oblique Intersecting Angle. Journal of Transportation Engineering, 2013, 139, 678-685.	0.9	25
111	Utilizing Augmented Reality Technology for Crowd Pedestrian Analysis Involving Individuals With Disabilities. , 2013, , .		11
112	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
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.	0.8	17
114	C-logit stochastic user equilibrium model with elastic demand. Transportation Planning and Technology, 2013, 36, 463-478.	0.9	20
115	Stochastic Network Design Problem with Fuzzy Goals. Transportation Research Record, 2013, 2399, 23-33.	1.0	12
116	A Framework for Modeling and Managing Mass Pedestrian Evacuations Involving Individuals With Disabilities: Networked Segways as Mobile Sensors and Actuators. , 2013, , .		5
117	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
118	C-logit stochastic user equilibrium model: formulations and solution algorithm. Transportmetrica, 2012, 8, 17-41.	1.8	121
119	Alternative Planning Tool for Small Metropolitan Planning Organization in Utah. Transportation Research Record, 2012, 2307, 68-79.	1.0	4
120	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
121	Path-Based Algorithms to Solve C-Logit Stochastic User Equilibrium Assignment Problem. Transportation Research Record, 2012, 2279, 21-30.	1.0	35
122	An intersection turning movement estimation procedure based on path flow estimator. Journal of Advanced Transportation, 2012, 46, 161-176.	0.9	30
123	Goal programming approach to solving network design problem with multiple objectives and demand uncertainty. Expert Systems With Applications, 2012, 39, 4160-4170.	4.4	62
124	An improved linearization technique for a class of quadratic 0-1 programming problems. Optimization Letters, 2012, 6, 31-41.	0.9	15
125	A self-adaptive gradient projection algorithm for the nonadditive traffic equilibrium problem. Computers and Operations Research, 2012, 39, 127-138.	2.4	61
126	Goal Programming Approach to Solve the Stochastic Multi-Objective Network Design Problem. Transportation Research, Economics and Policy, 2012, , 151-170.	0.3	1

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127	Considering On-Time and Late Arrivals in Multi-Class Risk-Averse Traffic Equilibrium Model with Elastic Demand. Transportation Research, Economics and Policy, 2012, , 223-240.	0.3	0
128	Modeling capacity flexibility of transportation networks. Transportation Research, Part A: Policy and Practice, 2011, 45, 105-117.	2.0	35
129	Modeling stochastic perception error in the mean-excess traffic equilibrium model. Transportation Research Part B: Methodological, 2011, 45, 1619-1640.	2.8	69
130	Confidence interval estimation for path flow estimator. Transportation Research Part B: Methodological, 2011, 45, 1680-1698.	2.8	18
131	Modeling Emergency Evacuation of Individuals with Disabilities in a Densely Populated Airport. Transportation Research Record, 2011, 2206, 32-38.	1.0	32
132	A semismooth Newton method for traffic equilibrium problem with a general nonadditive route cost. Applied Mathematical Modelling, 2011, 35, 3048-3062.	2.2	18
133	Multi-objective Î±-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.	4.4	76
134	A reliability-based land use and transportation optimization model. Transportation Research Part C: Emerging Technologies, 2011, 19, 351-362.	3.9	80
135	Transport Network Design Problem under Uncertainty: A Review and New Developments. Transport Reviews, 2011, 31, 743-768.	4.7	100
136	Modeling Physical and Environmental Side Constraints in Traffic Equilibrium Problem. International Journal of Sustainable Transportation, 2011, 5, 172-197.	2.1	41
137	Stochastic multi-objective models for network design problem. Expert Systems With Applications, 2010, 37, 1608-1619.	4.4	110
138	Solving the bicriteria traffic equilibrium problem with variable demand and nonlinear path costs. Applied Mathematics and Computation, 2010, 217, 3020-3031.	1.4	39
139	Scenario-based multi-objective AVI reader location models under different travel demand patterns. Transportmetrica, 2010, 6, 53-78.	1.8	18
140	Data modelling in transport. Transportmetrica, 2010, 6, 1-2.	1.8	4
141	The Î±-Reliable Mean-Excess Path Finding Model in Stochastic Networks. , 2010, , .		1
142	Lâˇž-Norm Path Flow Estimator for Handling Traffic Count Inconsistencies: Formulation and Solution Algorithm. Journal of Transportation Engineering, 2010, 136, 565-575.	0.9	34
143	The Î±-reliable mean-excess traffic equilibrium model with stochastic travel times. Transportation Research Part B: Methodological, 2010, 44, 493-513.	2.8	219
144	Network-Wide Road Travel Time Estimation with Inconsistent Sensor Data. , 2010, , .		0

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145	Models and algorithm for stochastic network designs. Tsinghua Science and Technology, 2009, 14, 341-351.	4.1	11
146	Alternative formulations of a combined trip generation, trip distribution, modal split, and trip assignment model. European Journal of Operational Research, 2009, 198, 129-138.	3.5	40
147	Sensitivity analysis of the combined travel demand model with applications. European Journal of Operational Research, 2009, 198, 909-921.	3.5	36
148	Norm approximation method for handling traffic count inconsistencies in path flow estimator. Transportation Research Part B: Methodological, 2009, 43, 852-872.	2.8	48
149	Modeling the Effects of Turn Delay Uncertainties on Route Choice Behavior in Signalized Road Networks. Transportation Research Record, 2009, 2091, 1-11.	1.0	1
150	On the Quadratic Programming Approach for Hub Location Problems. Springer Optimization and Its Applications, 2009, , 211-228.	0.6	1
151	A Stochastic α-reliable Mean-excess Traffic Equilibrium Model with Probabilistic Travel Times and Perception Errors. , 2009, , 117-145.		13
152	An improved origin-based algorithm for solving the combined distribution and assignment problem. European Journal of Operational Research, 2008, 188, 354-369.	3.5	13
153	Comparative analysis of three user equilibrium models under stochastic demand. Journal of Advanced Transportation, 2008, 42, 239-263.	0.9	85
154	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.	2.0	44
155	STRATEGIES FOR SELECTING ADDITIONAL TRAFFIC COUNTS FOR IMPROVING O-D TRIP TABLE ESTIMATION. Transportmetrica, 2007, 3, 191-211.	1.8	41
156	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.	2.0	50
157	Alpha Reliable Network Design Problem. Transportation Research Record, 2007, 2029, 49-57.	1.0	72
158	An extended alternating direction method for variational inequality problems with linear equality and inequality constraints. Applied Mathematics and Computation, 2007, 184, 769-782.	1.4	5
159	Network-based Accessibility Measures for Vulnerability Analysis of Degradable Transportation Networks. Networks and Spatial Economics, 2007, 7, 241-256.	0.7	235
160	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.	2.0	73
161	New Reserve Capacity Model of Signal-Controlled Road Network. Transportation Research Record, 2006, 1964, 35-41.	1.0	14
162	Constraint handling in genetic algorithms using a gradient-based repair method. Computers and Operations Research, 2006, 33, 2263-2281.	2.4	195

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163	A simulation-based multi-objective genetic algorithm (SMOGA) procedure for BOT network design problem. Optimization and Engineering, 2006, 7, 225-247.	1.3	76
164	Modeling Network Traffic for Planning Applications in a Small Community. Journal of the Urban Planning and Development Division, ASCE, 2006, 132, 156-159.	0.8	6
165	ADAPTATION OF THE PAIRED COMBINATORIAL LOGIT MODEL TO THE ROUTE CHOICE PROBLEM. Transportmetrica, 2005, 1, 223-240.	1.8	43
166	Path finding under uncertainty. Journal of Advanced Transportation, 2005, 39, 19-37.	0.9	120
167	A reliability-based network design problem. Journal of Advanced Transportation, 2005, 39, 247-270.	0.9	68
168	Improved Path Flow Estimator for Origin–Destination Trip Tables. Transportation Research Record, 2005, 1923, 9-17.	1.0	17
169	A BI-OBJECTIVE TRAFFIC COUNTING LOCATION PROBLEM FOR ORIGIN-DESTINATION TRIP TABLE ESTIMATION. Transportmetrica, 2005, 1, 65-80.	1.8	67
170	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
171	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.	2.0	65
172	Stochastic Transportation Network Design Problem with Spatial Equity Constraint. Transportation Research Record, 2004, 1882, 97-104.	1.0	94
173	Multiobjective Model for Locating Automatic Vehicle Identification Readers. Transportation Research Record, 2004, 1886, 49-58.	1.0	29
174	A conjugate gradient projection algorithm for the traffic assignment problem. Mathematical and Computer Modelling, 2003, 37, 863-878.	2.0	20
175	Mean-Variance Model for the Build-Operate-Transfer Scheme Under Demand Uncertainty. Transportation Research Record, 2003, 1857, 93-101.	1.0	54
176	Solving the Overlapping Problem in Route Choice with Paired Combinatorial Logit Model. Transportation Research Record, 2003, 1857, 65-73.	1.0	31
177	Effect of Route Choice Models on Estimation of Travel Time Reliability Under Demand and Supply Variations. , 2003, , 93-118.		7
178	Travel Time Reliability with Risk-Sensitive Travelers. Transportation Research Record, 2002, 1783, 27-33.	1.0	87
179	Faster Frank-Wolfe Traffic Assignment with New Flow Update Scheme. Journal of Transportation Engineering, 2002, 128, 31-39.	0.9	25
180	Link- and Path-Based Traffic Assignment Algorithms: Computational and Statistical Study. Transportation Research Record, 2002, 1783, 80-88.	1.0	10

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181	Capacity reliability of a road network: an assessment methodology and numerical results. Transportation Research Part B: Methodological, 2002, 36, 225-252.	2.8	463
182	Computational study of state-of-the-art path-based traffic assignment algorithms. Mathematics and Computers in Simulation, 2002, 59, 509-518.	2.4	83
183	Assessing Financial Feasibility of a Build–Operate–Transfer Project Under Uncertain Demand. Transportation Research Record, 2001, 1771, 124-130.	1.0	20
184	Parametric Evaluation for Route Guidance Systems with Analysis of Sustainable Driver Compliance. Transportation Research Record, 2001, 1771, 18-27.	1.0	15
185	Effects of Flow Update Strategies on Implementation of the Frank–Wolfe Algorithm for the Traffic Assignment Problem. Transportation Research Record, 2001, 1771, 132-139.	1.0	7
186	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.	3.5	53
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