S Travis Waller

List of Publications by Year in Descending Order

177 papers	3,409 citations	30 h-index	48 g-index
191 ext. papers	3,947 ext. citations	4 avg, IF	5.8 L-index

#	Paper	IF	Citations
177	Remote Sensing Methods for Flood Prediction: A Review.. *Sensors*, **2022**, 22,	3.8	7
176	An AI/ML-Based Strategy for Disaster Response and Evacuation of Victims in Aged Care Facilities in the Hawkesbury-Nepean Valley: A Perspective. *Buildings*, **2022**, 12, 80	3.2	4
175	Autonomous Intersection Management for Connected and Automated Vehicles: A Lane-Based Method. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-16	6.1	1
174	Recalibration of the BPR function for the strategic modelling of connected and autonomous vehicles. *Transportmetrica B*, **2022**, 10, 779-800	1.8	1
173	Disaster Region Coverage Using Drones: Maximum Area Coverage and Minimum Resource Utilisation. *Drones*, **2022**, 6, 96	5.4	1
172	Rapidex: A Novel Tool to Estimate OriginDestination Trips Using Pervasive Traffic Data. *Sustainability*, **2021**, 13, 11171	3.6	1
171	Freeway network design with exclusive lanes for automated vehicles under endogenous mobility demand. *Transportation Research Part C: Emerging Technologies*, **2021**, 133, 103440	8.4	1
170	Examining the macro-level factors affecting vehicle breakdown duration. *International Journal of Transportation Science and Technology*, **2021**,	3.3	3
169	Comparing Dynamic User Equilibrium and Noniterative Stochastic Route Choice in a Simulation-Based Dynamic Traffic Assignment Model: Practical Considerations for Large-Scale Networks. *Journal of Advanced Transportation*, **2021**, 2021, 1-16	1.9	4
168	An integrated transport and economic equilibrium model for autonomous transportation systems considering parking behavior. *Computer-Aided Civil and Infrastructure Engineering*, **2021**, 36, 902-921	8.4	2
167	. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-13	6.1	1
166	An Integrated Approach for Post-Disaster Flood Management Via the Use of Cutting-Edge Technologies and UAVs: A Review. *Sustainability*, **2021**, 13, 7925	3.6	9
165	Image-Based Crack Detection Methods: A Review. *Infrastructures*, **2021**, 6, 115	2.6	24
164	Model formulation and calibration procedure for integrated multi-modal activity routing and network assignment models. *Transportation Research Part C: Emerging Technologies*, **2020**, 121, 102853	8.4	3
163	Analysis of Vehicle Breakdown Frequency: A Case Study of New South Wales, Australia. *Sustainability*, **2020**, 12, 8244	3.6	3
162	Arrival Time Reliability in Strategic User Equilibrium. *Networks and Spatial Economics*, **2020**, 20, 803-831	1.9	1
161	A simple contagion process describes spreading of traffic jams in urban networks. *Nature Communications*, **2020**, 11, 1616	17.4	28

160	Dial-a-Ride Problem with Users Accept/Reject Decisions Based on Service Utilities. *Transportation Research Record*, **2020**, 2674, 55-67	1.7	2
159	The short-run and long-run equilibria for commuting with autonomous vehicles. *Transportmetrica B*, **2020**, 1-28	1.8	3
158	Frequentist and Bayesian Approaches for Understanding Route Choice of Drivers under Stop-and-Go Traffic. *Transportation Research Record*, **2020**, 2674, 371-382	1.7	1
157	An ensemble machine learning-based modeling framework for analysis of traffic crash frequency. *Computer-Aided Civil and Infrastructure Engineering*, **2020**, 35, 258-276	8.4	21
156	Modelling and managing the integrated morning-evening commuting and parking patterns under the fully autonomous vehicle environment. *Transportation Research Part B: Methodological*, **2019**, 128, 380-407	7.2	32
155	A Branch-and-Price Algorithm for the Bilevel Network Maintenance Scheduling Problem. *Transportation Science*, **2019**, 53, 1455-1478	4.4	4
154	A safety assessment of mixed fleets with Connected and Autonomous Vehicles using the Surrogate Safety Assessment Module. *Accident Analysis and Prevention*, **2019**, 131, 95-111	6.1	70
153	Range-Constrained Traffic Assignment with Multi-Modal Recharge for Electric Vehicles. *Networks and Spatial Economics*, **2019**, 19, 633-668	1.9	8
152	Surrogate-based toll optimization in a large-scale heterogeneously congested network. *Computer-Aided Civil and Infrastructure Engineering*, **2019**, 34, 638-653	8.4	19
151	Implications of link-based equity objectives on transportation network design problem. *Transportation*, **2019**, 46, 1559-1589	4	6
150	A network traffic assignment model for autonomous vehicles with parking choices. *Computer-Aided Civil and Infrastructure Engineering*, **2019**, 34, 1100-1118	8.4	19
149	Integrating uncertainty considerations into multi-objective transportation network design projects accounting for environment disruption. *Transportation Letters*, **2019**, 11, 351-361	2.1	6
148	Enhancing the safety of construction crew by accounting for brain resource requirements of activities in job assignment. *Automation in Construction*, **2018**, 88, 31-43	9.6	9
147	Policy implications of incorporating distance constrained electric vehicles into the traffic network design problem. *Transportation Letters*, **2018**, 10, 144-158	2.1	9
146	Two Methods to Calibrate the Total Travel Demand and Variability for a Regional Traffic Network. *Computer-Aided Civil and Infrastructure Engineering*, **2018**, 33, 282-299	8.4	7
145	A Strategic User Equilibrium for Independently Distributed Origin-Destination Demands. *Computer-Aided Civil and Infrastructure Engineering*, **2018**, 33, 316-332	8.4	7
144	Link Transmission Model-Based Linear Programming Formulation for Network Design. *Transportation Research Record*, **2018**, 2672, 139-147	1.7	3
143	Framework for Estimating the Impact of Camera-Based Intelligent Transportation Systems (ITS) Technology on Incident Duration. *Transportation Research Record*, **2018**, 2672, 25-33	1.7	3

142	How Should Travel Demand and Supply Models Be Jointly Calibrated?. *Transportation Research Record*, **2018**, 2672, 114-124	1.7	5
141	Multitype Recharge Facility Location for Electric Vehicles. *Computer-Aided Civil and Infrastructure Engineering*, **2018**, 33, 943-965	8.4	17
140	LINK PERFORMANCE FUNCTIONS FOR HIGH OCCUPANCY VEHICLE LANES OF FREEWAYS. *Transport*, **2018**, 33, 657-668	1.4	1
139	Dynamic Programming Approach toward Optimization of Workforce Planning Decisions. *Journal of Construction Engineering and Management - ASCE*, **2018**, 144, 04017113	4.2	10
138	Mixed-Vehicular Aggregated Transportation Network Design Considering En-route Recharge Service Provision for Electric Vehicles. *Journal of Systems Science and Complexity*, **2018**, 31, 1329-1349	1	4
137	Reviewing the transport domain: an evolutionary bibliometrics and network analysis. *Scientometrics* , **2017**, 110, 843-865	3	28
136	Developing a disaggregate travel demand system of models using data mining techniques. *Transportation Research, Part A: Policy and Practice*, **2017**, 105, 138-153	3.7	18
135	BIM-enabled sustainability assessment of material supply decisions. *Engineering, Construction and Architectural Management*, **2017**, 24, 668-695	3.1	35
134	Job Assignment Based on Brain Demands and Human Resource Strategies. *Journal of Construction Engineering and Management - ASCE*, **2017**, 143, 04016123	4.2	10
133	Consistency Between Convergence of Dynamic Assignment and Stochasticity of Microsimulation: Implication for Number of Runs. *Transportation Research Record*, **2017**, 2667, 88-95	1.7	
132	An experimental study of the Online Information Paradox: Does en-route information improve road network performance?. *PLoS ONE*, **2017**, 12, e0184191	3.7	18
131	Accounting for Transport Times in Planning Off-Site Shipment of Construction Materials. *Journal of Construction Engineering and Management - ASCE*, **2016**, 142, 04015050	4.2	19
130	Finding Outbreak Trees in Networks with Limited Information. *Networks and Spatial Economics*, **2016**, 16, 687-721	1.9	6
129	Evaluation of Fluctuating Speed and Lateral Movement of Vehicles: Comparison Between Mixed Traffic and Homogeneous Traffic. *Transportation Research Record*, **2016**, 2581, 104-112	1.7	4
128	Path-constrained traffic assignment: A trip chain analysis under range anxiety. *Transportation Research Part C: Emerging Technologies*, **2016**, 68, 447-461	8.4	43
127	An endogenous lottery-based incentive mechanism to promote off-peak usage in congested transit systems. *Transport Policy*, **2016**, 46, 46-55	5.7	25
126	Sequential Meta-Heuristic Approach for Solving Large-Scale Ready-Mixed Concrete Dispatching Problems. *Journal of Computing in Civil Engineering*, **2016**, 30, 04014117	5	7
125	A Computational Method for Estimating Travel Frequencies in Site Layout Planning. *Journal of Construction Engineering and Management - ASCE*, **2016**, 142, 04015102	4.2	16

124	Adaptive Transit Routing in Stochastic Time-Dependent Networks. *Transportation Science*, **2016**, 50, 1043-1059	4.4	13
123	Incorporating Multiskilling and Learning in the Optimization of Crew Composition. *Journal of Construction Engineering and Management - ASCE*, **2016**, 142, 04015106	4.2	23
122	Fusion based learning approach for predicting concrete pouring productivity based on construction and supply parameters. *Construction Innovation*, **2016**, 16, 185-202	4.1	7
121	Transportation application of social media: Travel mode extraction **2016**,		6
120	The development of an Ontology for driving Context Modelling and reasoning **2016**,		6
119	Deployment and Calibration Considerations for Large-Scale Regional Dynamic Traffic Assignment: Case Study for Sydney, Australia. *Transportation Research Record*, **2016**, 2567, 78-86	1.7	4
118	New Horizontal Equity Measure for Ramp Meters. *Transportation Research Record*, **2016**, 2568, 90-102	1.7	1
117	Impact of Autonomous Vehicles on Traffic Management: Case of Dynamic Lane Reversal. *Transportation Research Record*, **2016**, 2567, 87-94	1.7	18
116	Spatial Aggregation Method for Anonymous Surveys: Case Study for Associations Between Urban Environment and Obesity. *Transportation Research Record*, **2016**, 2598, 27-36	1.7	2
115	Matching experts' decisions in concrete delivery dispatching centers by ensemble learning algorithms: Tactical level. *Automation in Construction*, **2016**, 68, 146-155	9.6	13
114	Hazard-based model for concrete pouring duration using construction site and supply chain parameters. *Automation in Construction*, **2016**, 71, 283-293	9.6	15
113	Prediction of Pavement Performance: Application of Support Vector Regression with Different Kernels. *Transportation Research Record*, **2016**, 2589, 135-145	1.7	25
112	A Clustering Algorithm for Bi-Criteria Stop Location Design with Elastic Demand. *Computer-Aided Civil and Infrastructure Engineering*, **2016**, 31, 117-131	8.4	7
111	Column Generation-Based Approach for Solving Large-Scale Ready Mixed Concrete Delivery Dispatching Problems. *Computer-Aided Civil and Infrastructure Engineering*, **2016**, 31, 145-159	8.4	8
110	Optimality gap of experts' decisions in concrete delivery dispatching. *Journal of Building Engineering*, **2015**, 2, 17-23	5.2	8
109	Quantitative Approaches to Resilience in Transport Networks. *Transportmetrica A: Transport Science*, **2015**, 11, 751-753	2.5	7
108	Improving the Convergence of Simulation-based Dynamic Traffic Assignment Methodologies. *Networks and Spatial Economics*, **2015**, 15, 655-676	1.9	24
107	Large-Scale Dynamic Traffic Assignment: Practical Lessons from an Application in Sydney, Australia **2015**,		4

106	Decision Support System for a Real-Time Field Service Engineer Scheduling Problem with Emergencies and Collaborations. *Transportation Research Record*, **2015**, 2497, 117-123	1.7	2
105	Using Lagrangian Relaxation to Solve Ready Mixed Concrete Dispatching Problems. *Transportation Research Record*, **2015**, 2498, 84-90	1.7	4
104	Utilising Location Based Social Media in Travel Survey Methods **2015**,		23
103	Implications of Volatility in Day-to-Day Travel Flow and Road Capacity on Traffic Network Design Projects. *Transportation Research Record*, **2015**, 2498, 56-63	1.7	6
102	System Optimal Dynamic Lane Reversal for Autonomous Vehicles **2015**,		3
101	Feasibility study of automatically performing the concrete delivery dispatching through machine learning techniques. *Engineering, Construction and Architectural Management*, **2015**, 22, 573-590	3.1	17
100	Complementing Travel Diary Surveys with Twitter Data: Application of Text Mining Techniques on Activity Location, Type and Time **2015**,		10
99	Equity-Oriented Aircraft Collision Avoidance Model. *IEEE Transactions on Intelligent Transportation Systems*, **2015**, 16, 172-183	6.1	16
98	Assessing the Accuracy of Expert-Based Decisions in Dispatching Ready Mixed Concrete. *Journal of Construction Engineering and Management - ASCE*, **2014**, 140, 06014004	4.2	17
97	Effect of Road Grade on Networkwide Vehicle Energy Consumption and Ecorouting. *Transportation Research Record*, **2014**, 2427, 26-33	1.7	34
96	Transit Route Design Solved with Wireless Data Collection Algorithms. *Transportation Research Record*, **2014**, 2466, 42-51	1.7	1
95	Evaluation of a Strategic Road Pricing Scheme Accounting for Day-to-Day and Long-Term Demand Uncertainty. *Transportation Research Record*, **2014**, 2467, 12-20	1.7	6
94	An algorithmic framework for the scheduling of construction projects based on ant colony optimization and expert knowledge **2014**,		2
93	Inferring Contagion Patterns in Social Contact Networks Using a Maximum Likelihood Approach. *Natural Hazards Review*, **2014**, 15, 04014004	3.5	7
92	Solving Ready-Mixed Concrete Delivery Problems: Evolutionary Comparison between Column Generation and Robust Genetic Algorithm **2014**,		6
91	Exploring Experts Decisions in Concrete Delivery Dispatching Systems Using Bayesian Network Learning Techniques **2014**,		3
90	A scenario-based evaluation of the Middle East respiratory syndrome coronavirus and the Hajj. *Risk Analysis*, **2014**, 34, 1391-400	3.9	17
89	A network equilibrium analysis on destination, route and parking choices with mixed gasoline and electric vehicular flows. *EURO Journal on Transportation and Logistics*, **2014**, 3, 55-92	2.4	59

88	Using Benders Decomposition for Solving Ready Mixed Concrete Dispatching Problems **2014**,		5
87	Linear Programming Formulation for Strategic Dynamic Traffic Assignment. *Networks and Spatial Economics*, **2013**, 13, 427-443	1.9	23
86	A framework for evaluating the role of electric vehicles in transportation network infrastructure under travel demand variability. *Transportation Research, Part A: Policy and Practice*, **2013**, 49, 76-90	3.7	28
85	The System Impact of Travel Demand Variability in the Context of Electric Vehicles **2013**,		1
84	A Dynamic Route Choice Model Considering Uncertain Capacities. *Computer-Aided Civil and Infrastructure Engineering*, **2012**, 27, 231-243	8.4	23
83	Network-Level Road Pavement Maintenance and Rehabilitation Scheduling for Optimal Performance Improvement and Budget Utilization. *Computer-Aided Civil and Infrastructure Engineering*, **2012**, 27, 278-287	8.4	41
82	Comparing Delay Minimization and Emissions Minimization in the Network Design Problem. *Computer-Aided Civil and Infrastructure Engineering*, **2012**, 27, 288-302	8.4	24
81	Heuristic Scheme for Heterogeneous Vehicle Routing Problem on Trees Based on Generalized Assignment and Bin-Packing Upper Bounds. *Transportation Research Record*, **2012**, 2283, 1-11	1.7	2
80	Dynamic Traveling Salesman Problem in Stochastic-State Network Setting for Search-and-Rescue Application. *Transportation Research Record*, **2012**, 2283, 122-130	1.7	2
79	Incorporating equity into the transit frequency-setting problem. *Transportation Research, Part A: Policy and Practice*, **2012**, 46, 190-199	3.7	25
78	Stochastic traffic assignment, Lagrangian dual, and unconstrained convex optimization. *Transportation Research Part B: Methodological*, **2012**, 46, 1023-1042	7.2	19
77	Parametric search and problem decomposition for approximating Pareto-optimal paths. *Transportation Research Part B: Methodological*, **2012**, 46, 1043-1067	7.2	9
76	Path-Constrained Traffic Assignment: Model and Algorithm. *Transportation Research Record*, **2012**, 2283, 25-33	1.7	80
75	Optimal Routing with Multiple Objectives: Efficient Algorithm and Application to the Hazardous Materials Transportation Problem. *Computer-Aided Civil and Infrastructure Engineering*, **2012**, 27, 77-94	8.4	20
74	A predictive spatial model to quantify the risk of air-travel-associated dengue importation into the United States and europe. *Journal of Tropical Medicine*, **2012**, 2012, 103679	2.4	37
73	Reliability assessment for traffic data **2012**, 35, 285-297		4
72	Inferring Infection-Spreading Links in an Air Traffic Network. *Transportation Research Record*, **2012**, 2300, 13-21	1.7	11
71	Finding Minimum-Cost Dynamic Routing Policies in Stochastic-State Networks with Link Failures. *Transportation Research Record*, **2012**, 2283, 113-121	1.7	2

70	PHEVs and BEVs in Coupled Power and Transportation Systems **2012**, 159-178		
69	In-depth analysis of traffic congestion using computational fluid dynamics (CFD) modeling method. *Journal of Modern Transportation*, **2011**, 19, 58-67	3.7	3
68	Quantifying the benefit of responsive pricing and travel information in the stochastic congestion pricing problem. *Transportation Research, Part A: Policy and Practice*, **2011**, 45, 204-218	3.7	10
67	Distribution-free travel time reliability assessment with probability inequalities. *Transportation Research Part B: Methodological*, **2011**, 45, 852-866	7.2	40
66	A maximum entropy-least squares estimator for elastic origin□destination trip matrix estimation. *Transportation Research Part B: Methodological*, **2011**, 45, 1465-1482	7.2	24
65	Integrated Maintenance and Expansion Planning for Transportation Network Infrastructure. *Transportation Research Record*, **2011**, 2225, 56-64	1.7	4
64	Automated Intersection Control: Performance of Future Innovation Versus Current Traffic Signal Control. *Transportation Research Record*, **2011**, 2259, 223-232	1.7	112
63	Intersection Origin□Destination Flow Optimization Problem for Evacuation Network Design. *Transportation Research Record*, **2011**, 2234, 105-115	1.7	9
62	The price of uncertainty in pavement infrastructure management planning: An integer programming approach. *Transportation Research Part C: Emerging Technologies*, **2011**, 19, 1326-1338	8.4	30
61	A maximum entropy-least squares estimator for elastic origin-destination trip matrix estimation. *Procedia, Social and Behavioral Sciences*, **2011**, 17, 189-212		6
60	A Dantzig-Wolfe Decomposition Based Heuristic Scheme for Bi-level Dynamic Network Design Problem. *Networks and Spatial Economics*, **2011**, 11, 101-126	1.9	23
59	Optimal Information Location for Adaptive Routing. *Networks and Spatial Economics*, **2011**, 11, 233-254	1.9	15
58	A Dual Variable Approximation Based Heuristic for Dynamic Congestion Pricing. *Networks and Spatial Economics*, **2011**, 11, 271-293	1.9	12
57	Capacitated-Vehicle Routing Problem with Backhauls on Trees: Model, Properties, Formulation, and Algorithm. *Transportation Research Record*, **2011**, 2263, 92-102	1.7	6
56	Dynamic lane reversal in traffic management **2011**,		38
55	Integrated Equilibrium Travel Demand Model with Nested Logit Structure: Fixed-Point Formulation and Stochastic Analysis. *Transportation Research Record*, **2011**, 2254, 79-96	1.7	4
54	A Hybrid Bilevel Model for the Optimal Shelter Assignment in Emergency Evacuations. *Computer-Aided Civil and Infrastructure Engineering*, **2010**, 25, 547-556	8.4	86
53	Highway Improvement Project Rankings due to Uncertain Model Inputs: Application of Traditional Transportation and Land Use Models. *Journal of the Urban Planning and Development Division, ASCE*, **2010**, 136, 294-302	2.2	9

52	Framework for Studying Emerging Policy Issues Associated with PHEVs in Managing Coupled Power and Transportation Systems **2010**,		13
51	Maximum Entropy Method for Subnetwork Origin Destination Trip Matrix Estimation. *Transportation Research Record*, **2010**, 2196, 111-119	1.7	31
50	A computationally efficient methodology to characterize travel time reliability using the fast Fourier transform. *Transportation Research Part B: Methodological*, **2010**, 44, 1202-1219	7.2	46
49	A dynamic evacuation network optimization problem with lane reversal and crossing elimination strategies. *Transportation Research, Part E: Logistics and Transportation Review*, **2010**, 46, 295-316	9	125
48	Reliable evacuation planning via demand inflation and supply deflation. *Transportation Research, Part E: Logistics and Transportation Review*, **2010**, 46, 1086-1094	9	73
47	Optimal Maintenance and Repair Policies under Nonlinear Preferences. *Journal of Infrastructure Systems*, **2010**, 16, 11-20	2.9	12
46	Identification of Competing and Feeder Links and Routes in a Toll Road Context. *Transportation Research Record*, **2010**, 2196, 120-130	1.7	2
45	Impact of Network Improvement on Revenue Performance and Bonding Costs of Toll Roads. *Transportation Research Record*, **2010**, 2187, 8-15	1.7	
44	A mean-variance model for the minimum cost flow problem with stochastic arc costs. *Networks*, **2010**, 56, 215-227	1.6	25
43	Solution Methods for Robust Pricing of Transportation Networks under Uncertain Demand. *Transportation Research Part C: Emerging Technologies*, **2010**, 18, 656-667	8.4	18
42	Congestion pricing under operational, supply-side uncertainty. *Transportation Research Part C: Emerging Technologies*, **2010**, 18, 519-535	8.4	28
41	A static network level model for the information propagation in vehicular ad hoc networks. *Transportation Research Part C: Emerging Technologies*, **2010**, 18, 393-407	8.4	24
40	Optimal Long-Term Infrastructure Maintenance Planning Accounting for Traffic Dynamics. *Computer-Aided Civil and Infrastructure Engineering*, **2009**, 24, 459-469	8.4	69
39	Influence of Demand Uncertainty and Correlations on Traffic Predictions and Decisions. *Computer-Aided Civil and Infrastructure Engineering*, **2009**, 26, 16	8.4	7
38	Design and Management Strategies for Mixed Public Private Transportation Networks: A Meta-Heuristic Approach. *Computer-Aided Civil and Infrastructure Engineering*, **2009**, 24, 266-279	8.4	30
37	A Dantzig-Wolfe Decomposition-Based Heuristic for Off-line Capacity Calibration of Dynamic Traffic Assignment. *Computer-Aided Civil and Infrastructure Engineering*, **2009**, 26, 1	8.4	4
36	Reliable System-Optimal Network Design: Convex Mean-Variance Model with Implicit Chance Constraints. *Transportation Research Record*, **2009**, 2090, 68-74	1.7	24
35	Freight Transportation Network Design Problem for Maximizing throughput under Uncertainty. *Transportation Research Record*, **2009**, 2090, 105-114	1.7	

34	Evacuation Planning Using the Integrated System of Activity-Based Modeling and Dynamic Traffic Assignment. *Transportation Research Record*, **2009**, 2132, 69-77	1.7	20
33	Application of Reactive Tabu Search for Combined Dynamic User Equilibrium and Traffic Signal Optimization Problem. *Transportation Research Record*, **2009**, 2090, 29-41	1.7	14
32	Robust Pricing of Transportation Networks under Uncertain Demand. *Transportation Research Record*, **2008**, 2085, 21-30	1.7	25
31	Integration of Activity-Based Modeling and Dynamic Traffic Assignment. *Transportation Research Record*, **2008**, 2076, 52-61	1.7	50
30	Valuation of strategic network flexibility in development of toll road projects. *Construction Management and Economics*, **2008**, 26, 979-990	3	12
29	Two-Phase Model of Ramp Closure for Incident Management. *Transportation Research Record*, **2008**, 2047, 83-90	1.7	2
28	Incorporating Environmental Justice Measures into Equilibrium-Based Network Design. *Transportation Research Record*, **2008**, 2089, 58-65	1.7	31
27	Linear Programming Models for the User and System Optimal Dynamic Network Design Problem: Formulations, Comparisons and Extensions. *Networks and Spatial Economics*, **2008**, 8, 383-406	1.9	75
26	Optimizing the design of railway tank cars to minimize accident-caused releases. *Computers and Operations Research*, **2007**, 34, 1266-1286	4.6	28
25	Robust Transportation Network Design Under Demand Uncertainty. *Computer-Aided Civil and Infrastructure Engineering*, **2007**, 22, 6-18	8.4	145
24	Environmental Justice Analysis: Challenges for Metropolitan Transportation Planning. *Transportation Research Record*, **2007**, 2013, 8-12	1.7	25
23	Robust Dynamic Continuous Network Design Problem. *Transportation Research Record*, **2007**, 2029, 58-71	1.7	34
22	Integrated Traffic Simulation Statistical Analysis Framework for Online Prediction of Freeway Travel Time. *Transportation Research Record*, **2007**, 2039, 24-31	1.7	16
21	Bi-level Programming Formulation and Heuristic Solution Approach for Dynamic Traffic Signal Optimization. *Computer-Aided Civil and Infrastructure Engineering*, **2006**, 21, 321-333	8.4	70
20	Dynamic Continuous Network Design Problem: Linear Bilevel Programming and Metaheuristic Approaches. *Transportation Research Record*, **2006**, 1964, 104-117	1.7	22
19	Selectorecombinative Genetic Algorithm to Relax Computational Complexity of Discrete Network Design Problem. *Transportation Research Record*, **2006**, 1964, 91-103	1.7	3
18	A Linear Model for the Continuous Network Design Problem. *Computer-Aided Civil and Infrastructure Engineering*, **2006**, 21, 334-345	8.4	21
17	A chance-constrained based stochastic dynamic traffic assignment model: Analysis, formulation and solution algorithms. *Transportation Research Part C: Emerging Technologies*, **2006**, 14, 418-427	8.4	51

16	A Combinatorial user optimal dynamic traffic assignment algorithm. *Annals of Operations Research*, **2006**, 144, 249-261	3.2	28
15	Combinatorial Approach for Multiple-Destination User Optimal Dynamic Traffic Assignment. *Transportation Research Record*, **2004**, 1882, 70-78	1.7	7
14	A Decomposition Scheme for System Optimal Dynamic Traffic Assignment Models. *Networks and Spatial Economics*, **2003**, 3, 441-455	1.9	37
13	On the online shortest path problem with limited arc cost dependencies. *Networks*, **2002**, 40, 216-227	1.6	111
12	Solution Algorithm for Combined Interregional Commodity Flow and Transportation Network Model with Link Capacity Constraints. *Transportation Research Record*, **2001**, 1771, 114-123	1.7	4
11	Evaluation with Traffic Assignment Under Demand Uncertainty. *Transportation Research Record*, **2001**, 1771, 69-74	1.7	63
10	Stochastic Dynamic Network Design Problem. *Transportation Research Record*, **2001**, 1771, 106-113	1.7	86
9	Linear Programming Formulations for System Optimum Dynamic Traffic Assignment with Arrival Time-Based and Departure Time-Based Demands. *Transportation Research Record*, **1999**, 1667, 52-59	1.7	24
8	Digitally transferable ownership of mobility-as-a-service systems using blockchain and smart contracts. *Transportation Letters*,1-8	2.1	1
7	Comparison of System- and User-Optimal Stochastic Dynamic Network Design Models Using Monte Carlo Bounding Techniques		15
6	Selectorecombinative Genetic Algorithm to Relax Computational Complexity of Discrete Network Design Problem		13
5	Dynamic Continuous Network Design Problem: Linear Bilevel Programming and Metaheuristic Approaches		31
4	Single-Point Approximations for Traffic Equilibrium Problem under Uncertain Demand		7
3	A Hybrid Lagrangian Relaxation and Tabu Search Method for Interdependent-Choice Network Design Problems294-324		3
2	Modeling and evaluating the impact of electricity price on commute network flows of battery electric vehicles. *Transportation Letters*,1-15	2.1	
1	On the primal and dual formulations of traffic assignment problems with perception stochasticity and demand elasticity. *Transportation Letters*,1-16	2.1	