

S Travis Waller

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Robust Transportation Network Design Under Demand Uncertainty. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2007 , 22, 6-18	8.4	145
176	A dynamic evacuation network optimization problem with lane reversal and crossing elimination strategies. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2010 , 46, 295-316	9	125
175	Automated Intersection Control: Performance of Future Innovation Versus Current Traffic Signal Control. <i>Transportation Research Record</i> , 2011 , 2259, 223-232	1.7	112
174	On the online shortest path problem with limited arc cost dependencies. <i>Networks</i> , 2002 , 40, 216-227	1.6	111
173	A Hybrid Bilevel Model for the Optimal Shelter Assignment in Emergency Evacuations. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2010 , 25, 547-556	8.4	86
172	Stochastic Dynamic Network Design Problem. <i>Transportation Research Record</i> , 2001 , 1771, 106-113	1.7	86
171	Path-Constrained Traffic Assignment: Model and Algorithm. <i>Transportation Research Record</i> , 2012 , 2283, 25-33	1.7	80
170	Linear Programming Models for the User and System Optimal Dynamic Network Design Problem: Formulations, Comparisons and Extensions. <i>Networks and Spatial Economics</i> , 2008 , 8, 383-406	1.9	75
169	Reliable evacuation planning via demand inflation and supply deflation. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2010 , 46, 1086-1094	9	73
168	A safety assessment of mixed fleets with Connected and Autonomous Vehicles using the Surrogate Safety Assessment Module. <i>Accident Analysis and Prevention</i> , 2019 , 131, 95-111	6.1	70
167	Bi-level Programming Formulation and Heuristic Solution Approach for Dynamic Traffic Signal Optimization. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2006 , 21, 321-333	8.4	70
166	Optimal Long-Term Infrastructure Maintenance Planning Accounting for Traffic Dynamics. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2009 , 24, 459-469	8.4	69
165	Evaluation with Traffic Assignment Under Demand Uncertainty. <i>Transportation Research Record</i> , 2001 , 1771, 69-74	1.7	63
164	A network equilibrium analysis on destination, route and parking choices with mixed gasoline and electric vehicular flows. <i>EURO Journal on Transportation and Logistics</i> , 2014 , 3, 55-92	2.4	59
163	A chance-constrained based stochastic dynamic traffic assignment model: Analysis, formulation and solution algorithms. <i>Transportation Research Part C: Emerging Technologies</i> , 2006 , 14, 418-427	8.4	51
162	Integration of Activity-Based Modeling and Dynamic Traffic Assignment. <i>Transportation Research Record</i> , 2008 , 2076, 52-61	1.7	50
161	A computationally efficient methodology to characterize travel time reliability using the fast Fourier transform. <i>Transportation Research Part B: Methodological</i> , 2010 , 44, 1202-1219	7.2	46

160	Path-constrained traffic assignment: A trip chain analysis under range anxiety. <i>Transportation Research Part C: Emerging Technologies</i> , 2016 , 68, 447-461	8.4	43
159	Network-Level Road Pavement Maintenance and Rehabilitation Scheduling for Optimal Performance Improvement and Budget Utilization. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2012 , 27, 278-287	8.4	41
158	Distribution-free travel time reliability assessment with probability inequalities. <i>Transportation Research Part B: Methodological</i> , 2011 , 45, 852-866	7.2	40
157	Dynamic lane reversal in traffic management 2011 ,		38
156	A predictive spatial model to quantify the risk of air-travel-associated dengue importation into the United States and Europe. <i>Journal of Tropical Medicine</i> , 2012 , 2012, 103679	2.4	37
155	A Decomposition Scheme for System Optimal Dynamic Traffic Assignment Models. <i>Networks and Spatial Economics</i> , 2003 , 3, 441-455	1.9	37
154	BIM-enabled sustainability assessment of material supply decisions. <i>Engineering, Construction and Architectural Management</i> , 2017 , 24, 668-695	3.1	35
153	Effect of Road Grade on Networkwide Vehicle Energy Consumption and Ecorouting. <i>Transportation Research Record</i> , 2014 , 2427, 26-33	1.7	34
152	Robust Dynamic Continuous Network Design Problem. <i>Transportation Research Record</i> , 2007 , 2029, 58-71.7		34
151	Modelling and managing the integrated morning-evening commuting and parking patterns under the fully autonomous vehicle environment. <i>Transportation Research Part B: Methodological</i> , 2019 , 128, 380-407	7.2	32
150	Maximum Entropy Method for Subnetwork Origin-Destination Trip Matrix Estimation. <i>Transportation Research Record</i> , 2010 , 2196, 111-119	1.7	31
149	Incorporating Environmental Justice Measures into Equilibrium-Based Network Design. <i>Transportation Research Record</i> , 2008 , 2089, 58-65	1.7	31
148	Dynamic Continuous Network Design Problem: Linear Bilevel Programming and Metaheuristic Approaches		31
147	The price of uncertainty in pavement infrastructure management planning: An integer programming approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2011 , 19, 1326-1338	8.4	30
146	Design and Management Strategies for Mixed Public Private Transportation Networks: A Meta-Heuristic Approach. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2009 , 24, 266-279	8.4	30
145	Reviewing the transport domain: an evolutionary bibliometrics and network analysis. <i>Scientometrics</i> , 2017 , 110, 843-865	3	28
144	A simple contagion process describes spreading of traffic jams in urban networks. <i>Nature Communications</i> , 2020 , 11, 1616	17.4	28
143	A framework for evaluating the role of electric vehicles in transportation network infrastructure under travel demand variability. <i>Transportation Research, Part A: Policy and Practice</i> , 2013 , 49, 76-90	3.7	28

142	Congestion pricing under operational, supply-side uncertainty. <i>Transportation Research Part C: Emerging Technologies</i> , 2010 , 18, 519-535	8.4	28
141	Optimizing the design of railway tank cars to minimize accident-caused releases. <i>Computers and Operations Research</i> , 2007 , 34, 1266-1286	4.6	28
140	A Combinatorial user optimal dynamic traffic assignment algorithm. <i>Annals of Operations Research</i> , 2006 , 144, 249-261	3.2	28
139	An endogenous lottery-based incentive mechanism to promote off-peak usage in congested transit systems. <i>Transport Policy</i> , 2016 , 46, 46-55	5.7	25
138	Incorporating equity into the transit frequency-setting problem. <i>Transportation Research, Part A: Policy and Practice</i> , 2012 , 46, 190-199	3.7	25
137	A mean-variance model for the minimum cost flow problem with stochastic arc costs. <i>Networks</i> , 2010 , 56, 215-227	1.6	25
136	Robust Pricing of Transportation Networks under Uncertain Demand. <i>Transportation Research Record</i> , 2008 , 2085, 21-30	1.7	25
135	Environmental Justice Analysis: Challenges for Metropolitan Transportation Planning. <i>Transportation Research Record</i> , 2007 , 2013, 8-12	1.7	25
134	Prediction of Pavement Performance: Application of Support Vector Regression with Different Kernels. <i>Transportation Research Record</i> , 2016 , 2589, 135-145	1.7	25
133	Improving the Convergence of Simulation-based Dynamic Traffic Assignment Methodologies. <i>Networks and Spatial Economics</i> , 2015 , 15, 655-676	1.9	24
132	Comparing Delay Minimization and Emissions Minimization in the Network Design Problem. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2012 , 27, 288-302	8.4	24
131	A maximum entropy-least squares estimator for elastic origin-destination trip matrix estimation. <i>Transportation Research Part B: Methodological</i> , 2011 , 45, 1465-1482	7.2	24
130	Reliable System-Optimal Network Design: Convex Mean-Variance Model with Implicit Chance Constraints. <i>Transportation Research Record</i> , 2009 , 2090, 68-74	1.7	24
129	A static network level model for the information propagation in vehicular ad hoc networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2010 , 18, 393-407	8.4	24
128	Linear Programming Formulations for System Optimum Dynamic Traffic Assignment with Arrival Time-Based and Departure Time-Based Demands. <i>Transportation Research Record</i> , 1999 , 1667, 52-59	1.7	24
127	Image-Based Crack Detection Methods: A Review. <i>Infrastructures</i> , 2021 , 6, 115	2.6	24
126	Incorporating Multiskilling and Learning in the Optimization of Crew Composition. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016 , 142, 04015106	4.2	23
125	A Dynamic Route Choice Model Considering Uncertain Capacities. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2012 , 27, 231-243	8.4	23

124	Linear Programming Formulation for Strategic Dynamic Traffic Assignment. <i>Networks and Spatial Economics</i> , 2013 , 13, 427-443	1.9	23
123	Utilising Location Based Social Media in Travel Survey Methods 2015 ,		23
122	A Dantzig-Wolfe Decomposition Based Heuristic Scheme for Bi-level Dynamic Network Design Problem. <i>Networks and Spatial Economics</i> , 2011 , 11, 101-126	1.9	23
121	Dynamic Continuous Network Design Problem: Linear Bilevel Programming and Metaheuristic Approaches. <i>Transportation Research Record</i> , 2006 , 1964, 104-117	1.7	22
120	A Linear Model for the Continuous Network Design Problem. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2006 , 21, 334-345	8.4	21
119	An ensemble machine learning-based modeling framework for analysis of traffic crash frequency. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020 , 35, 258-276	8.4	21
118	Optimal Routing with Multiple Objectives: Efficient Algorithm and Application to the Hazardous Materials Transportation Problem. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2012 , 27, 77-94	8.4	20
117	Evacuation Planning Using the Integrated System of Activity-Based Modeling and Dynamic Traffic Assignment. <i>Transportation Research Record</i> , 2009 , 2132, 69-77	1.7	20
116	Accounting for Transport Times in Planning Off-Site Shipment of Construction Materials. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016 , 142, 04015050	4.2	19
115	Surrogate-based toll optimization in a large-scale heterogeneously congested network. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2019 , 34, 638-653	8.4	19
114	A network traffic assignment model for autonomous vehicles with parking choices. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2019 , 34, 1100-1118	8.4	19
113	Stochastic traffic assignment, Lagrangian dual, and unconstrained convex optimization. <i>Transportation Research Part B: Methodological</i> , 2012 , 46, 1023-1042	7.2	19
112	Developing a disaggregate travel demand system of models using data mining techniques. <i>Transportation Research, Part A: Policy and Practice</i> , 2017 , 105, 138-153	3.7	18
111	Solution Methods for Robust Pricing of Transportation Networks under Uncertain Demand. <i>Transportation Research Part C: Emerging Technologies</i> , 2010 , 18, 656-667	8.4	18
110	An experimental study of the Online Information Paradox: Does en-route information improve road network performance?. <i>PLoS ONE</i> , 2017 , 12, e0184191	3.7	18
109	Impact of Autonomous Vehicles on Traffic Management: Case of Dynamic Lane Reversal. <i>Transportation Research Record</i> , 2016 , 2567, 87-94	1.7	18
108	Multitype Recharge Facility Location for Electric Vehicles. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018 , 33, 943-965	8.4	17
107	Assessing the Accuracy of Expert-Based Decisions in Dispatching Ready Mixed Concrete. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140, 06014004	4.2	17

106	Feasibility study of automatically performing the concrete delivery dispatching through machine learning techniques. <i>Engineering, Construction and Architectural Management</i> , 2015 , 22, 573-590	3.1	17
105	A scenario-based evaluation of the Middle East respiratory syndrome coronavirus and the Hajj. <i>Risk Analysis</i> , 2014 , 34, 1391-400	3.9	17
104	A Computational Method for Estimating Travel Frequencies in Site Layout Planning. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016 , 142, 04015102	4.2	16
103	Equity-Oriented Aircraft Collision Avoidance Model. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 172-183	6.1	16
102	Integrated Traffic Simulation Statistical Analysis Framework for Online Prediction of Freeway Travel Time. <i>Transportation Research Record</i> , 2007 , 2039, 24-31	1.7	16
101	Optimal Information Location for Adaptive Routing. <i>Networks and Spatial Economics</i> , 2011 , 11, 233-254	1.9	15
100	Comparison of System- and User-Optimal Stochastic Dynamic Network Design Models Using Monte Carlo Bounding Techniques		15
99	Hazard-based model for concrete pouring duration using construction site and supply chain parameters. <i>Automation in Construction</i> , 2016 , 71, 283-293	9.6	15
98	Application of Reactive Tabu Search for Combined Dynamic User Equilibrium and Traffic Signal Optimization Problem. <i>Transportation Research Record</i> , 2009 , 2090, 29-41	1.7	14
97	Adaptive Transit Routing in Stochastic Time-Dependent Networks. <i>Transportation Science</i> , 2016 , 50, 1043-1059	3.4	13
96	Framework for Studying Emerging Policy Issues Associated with PHEVs in Managing Coupled Power and Transportation Systems 2010 ,		13
95	Selectorecombinative Genetic Algorithm to Relax Computational Complexity of Discrete Network Design Problem		13
94	Matching experts' decisions in concrete delivery dispatching centers by ensemble learning algorithms: Tactical level. <i>Automation in Construction</i> , 2016 , 68, 146-155	9.6	13
93	A Dual Variable Approximation Based Heuristic for Dynamic Congestion Pricing. <i>Networks and Spatial Economics</i> , 2011 , 11, 271-293	1.9	12
92	Optimal Maintenance and Repair Policies under Nonlinear Preferences. <i>Journal of Infrastructure Systems</i> , 2010 , 16, 11-20	2.9	12
91	Valuation of strategic network flexibility in development of toll road projects. <i>Construction Management and Economics</i> , 2008 , 26, 979-990	3	12
90	Inferring Infection-Spreading Links in an Air Traffic Network. <i>Transportation Research Record</i> , 2012 , 2300, 13-21	1.7	11
89	Job Assignment Based on Brain Demands and Human Resource Strategies. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04016123	4.2	10

88	Complementing Travel Diary Surveys with Twitter Data: Application of Text Mining Techniques on Activity Location, Type and Time 2015 ,		10
87	Quantifying the benefit of responsive pricing and travel information in the stochastic congestion pricing problem. <i>Transportation Research, Part A: Policy and Practice</i> , 2011 , 45, 204-218	3.7	10
86	Dynamic Programming Approach toward Optimization of Workforce Planning Decisions. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04017113	4.2	10
85	Enhancing the safety of construction crew by accounting for brain resource requirements of activities in job assignment. <i>Automation in Construction</i> , 2018 , 88, 31-43	9.6	9
84	Policy implications of incorporating distance constrained electric vehicles into the traffic network design problem. <i>Transportation Letters</i> , 2018 , 10, 144-158	2.1	9
83	Parametric search and problem decomposition for approximating Pareto-optimal paths. <i>Transportation Research Part B: Methodological</i> , 2012 , 46, 1043-1067	7.2	9
82	Intersection Origin-Destination Flow Optimization Problem for Evacuation Network Design. <i>Transportation Research Record</i> , 2011 , 2234, 105-115	1.7	9
81	Highway Improvement Project Rankings due to Uncertain Model Inputs: Application of Traditional Transportation and Land Use Models. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2010 , 136, 294-302	2.2	9
80	An Integrated Approach for Post-Disaster Flood Management Via the Use of Cutting-Edge Technologies and UAVs: A Review. <i>Sustainability</i> , 2021 , 13, 7925	3.6	9
79	Range-Constrained Traffic Assignment with Multi-Modal Recharge for Electric Vehicles. <i>Networks and Spatial Economics</i> , 2019 , 19, 633-668	1.9	8
78	Optimality gap of experts' decisions in concrete delivery dispatching. <i>Journal of Building Engineering</i> , 2015 , 2, 17-23	5.2	8
77	Column Generation-Based Approach for Solving Large-Scale Ready Mixed Concrete Delivery Dispatching Problems. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016 , 31, 145-159	8.4	8
76	Quantitative Approaches to Resilience in Transport Networks. <i>Transportmetrica A: Transport Science</i> , 2015 , 11, 751-753	2.5	7
75	Two Methods to Calibrate the Total Travel Demand and Variability for a Regional Traffic Network. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018 , 33, 282-299	8.4	7
74	A Strategic User Equilibrium for Independently Distributed Origin-Destination Demands. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018 , 33, 316-332	8.4	7
73	Sequential Meta-Heuristic Approach for Solving Large-Scale Ready-Mixed Concrete Dispatching Problems. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04014117	5	7
72	Inferring Contagion Patterns in Social Contact Networks Using a Maximum Likelihood Approach. <i>Natural Hazards Review</i> , 2014 , 15, 04014004	3.5	7
71	Influence of Demand Uncertainty and Correlations on Traffic Predictions and Decisions. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2009 , 26, 16	8.4	7

70	Combinatorial Approach for Multiple-Destination User Optimal Dynamic Traffic Assignment. <i>Transportation Research Record</i> , 2004 , 1882, 70-78	1.7	7
69	Remote Sensing Methods for Flood Prediction: A Review.. <i>Sensors</i> , 2022 , 22,	3.8	7
68	Single-Point Approximations for Traffic Equilibrium Problem under Uncertain Demand		7
67	Fusion based learning approach for predicting concrete pouring productivity based on construction and supply parameters. <i>Construction Innovation</i> , 2016 , 16, 185-202	4.1	7
66	A Clustering Algorithm for Bi-Criteria Stop Location Design with Elastic Demand. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016 , 31, 117-131	8.4	7
65	Finding Outbreak Trees in Networks with Limited Information. <i>Networks and Spatial Economics</i> , 2016 , 16, 687-721	1.9	6
64	Implications of link-based equity objectives on transportation network design problem. <i>Transportation</i> , 2019 , 46, 1559-1589	4	6
63	Evaluation of a Strategic Road Pricing Scheme Accounting for Day-to-Day and Long-Term Demand Uncertainty. <i>Transportation Research Record</i> , 2014 , 2467, 12-20	1.7	6
62	Implications of Volatility in Day-to-Day Travel Flow and Road Capacity on Traffic Network Design Projects. <i>Transportation Research Record</i> , 2015 , 2498, 56-63	1.7	6
61	Solving Ready-Mixed Concrete Delivery Problems: Evolutionary Comparison between Column Generation and Robust Genetic Algorithm 2014 ,		6
60	A maximum entropy-least squares estimator for elastic origin-destination trip matrix estimation. <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 17, 189-212		6
59	Capacitated-Vehicle Routing Problem with Backhauls on Trees: Model, Properties, Formulation, and Algorithm. <i>Transportation Research Record</i> , 2011 , 2263, 92-102	1.7	6
58	Transportation application of social media: Travel mode extraction 2016 ,		6
57	The development of an Ontology for driving Context Modelling and reasoning 2016 ,		6
56	Integrating uncertainty considerations into multi-objective transportation network design projects accounting for environment disruption. <i>Transportation Letters</i> , 2019 , 11, 351-361	2.1	6
55	How Should Travel Demand and Supply Models Be Jointly Calibrated?. <i>Transportation Research Record</i> , 2018 , 2672, 114-124	1.7	5
54	Using Benders Decomposition for Solving Ready Mixed Concrete Dispatching Problems 2014 ,		5
53	A Branch-and-Price Algorithm for the Bilevel Network Maintenance Scheduling Problem. <i>Transportation Science</i> , 2019 , 53, 1455-1478	4.4	4

52	Evaluation of Fluctuating Speed and Lateral Movement of Vehicles: Comparison Between Mixed Traffic and Homogeneous Traffic. <i>Transportation Research Record</i> , 2016 , 2581, 104-112	1.7	4
51	Large-Scale Dynamic Traffic Assignment: Practical Lessons from an Application in Sydney, Australia 2015 ,		4
50	Using Lagrangian Relaxation to Solve Ready Mixed Concrete Dispatching Problems. <i>Transportation Research Record</i> , 2015 , 2498, 84-90	1.7	4
49	Integrated Maintenance and Expansion Planning for Transportation Network Infrastructure. <i>Transportation Research Record</i> , 2011 , 2225, 56-64	1.7	4
48	A Dantzig-Wolfe Decomposition-Based Heuristic for Off-line Capacity Calibration of Dynamic Traffic Assignment. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2009 , 26, 1	8.4	4
47	Integrated Equilibrium Travel Demand Model with Nested Logit Structure: Fixed-Point Formulation and Stochastic Analysis. <i>Transportation Research Record</i> , 2011 , 2254, 79-96	1.7	4
46	Reliability assessment for traffic data 2012 , 35, 285-297		4
45	Solution Algorithm for Combined Interregional Commodity Flow and Transportation Network Model with Link Capacity Constraints. <i>Transportation Research Record</i> , 2001 , 1771, 114-123	1.7	4
44	An AI/ML-Based Strategy for Disaster Response and Evacuation of Victims in Aged Care Facilities in the Hawkesbury-Nepean Valley: A Perspective. <i>Buildings</i> , 2022 , 12, 80	3.2	4
43	Comparing Dynamic User Equilibrium and Noniterative Stochastic Route Choice in a Simulation-Based Dynamic Traffic Assignment Model: Practical Considerations for Large-Scale Networks. <i>Journal of Advanced Transportation</i> , 2021 , 2021, 1-16	1.9	4
42	Deployment and Calibration Considerations for Large-Scale Regional Dynamic Traffic Assignment: Case Study for Sydney, Australia. <i>Transportation Research Record</i> , 2016 , 2567, 78-86	1.7	4
41	Mixed-Vehicular Aggregated Transportation Network Design Considering En-route Recharge Service Provision for Electric Vehicles. <i>Journal of Systems Science and Complexity</i> , 2018 , 31, 1329-1349	1	4
40	Model formulation and calibration procedure for integrated multi-modal activity routing and network assignment models. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 121, 102853	8.4	3
39	Analysis of Vehicle Breakdown Frequency: A Case Study of New South Wales, Australia. <i>Sustainability</i> , 2020 , 12, 8244	3.6	3
38	Link Transmission Model-Based Linear Programming Formulation for Network Design. <i>Transportation Research Record</i> , 2018 , 2672, 139-147	1.7	3
37	Framework for Estimating the Impact of Camera-Based Intelligent Transportation Systems (ITS) Technology on Incident Duration. <i>Transportation Research Record</i> , 2018 , 2672, 25-33	1.7	3
36	System Optimal Dynamic Lane Reversal for Autonomous Vehicles 2015 ,		3
35	Exploring Experts Decisions in Concrete Delivery Dispatching Systems Using Bayesian Network Learning Techniques 2014 ,		3

34	In-depth analysis of traffic congestion using computational fluid dynamics (CFD) modeling method. <i>Journal of Modern Transportation</i> , 2011 , 19, 58-67	3.7	3
33	Selectorecombinative Genetic Algorithm to Relax Computational Complexity of Discrete Network Design Problem. <i>Transportation Research Record</i> , 2006 , 1964, 91-103	1.7	3
32	A Hybrid Lagrangian Relaxation and Tabu Search Method for Interdependent-Choice Network Design Problems 294-324		3
31	The short-run and long-run equilibria for commuting with autonomous vehicles. <i>Transportmetrica B</i> , 2020 , 1-28	1.8	3
30	Examining the macro-level factors affecting vehicle breakdown duration. <i>International Journal of Transportation Science and Technology</i> , 2021 ,	3.3	3
29	Decision Support System for a Real-Time Field Service Engineer Scheduling Problem with Emergencies and Collaborations. <i>Transportation Research Record</i> , 2015 , 2497, 117-123	1.7	2
28	An algorithmic framework for the scheduling of construction projects based on ant colony optimization and expert knowledge 2014 ,		2
27	Heuristic Scheme for Heterogeneous Vehicle Routing Problem on Trees Based on Generalized Assignment and Bin-Packing Upper Bounds. <i>Transportation Research Record</i> , 2012 , 2283, 1-11	1.7	2
26	Dynamic Traveling Salesman Problem in Stochastic-State Network Setting for Search-and-Rescue Application. <i>Transportation Research Record</i> , 2012 , 2283, 122-130	1.7	2
25	Finding Minimum-Cost Dynamic Routing Policies in Stochastic-State Networks with Link Failures. <i>Transportation Research Record</i> , 2012 , 2283, 113-121	1.7	2
24	Identification of Competing and Feeder Links and Routes in a Toll Road Context. <i>Transportation Research Record</i> , 2010 , 2196, 120-130	1.7	2
23	Two-Phase Model of Ramp Closure for Incident Management. <i>Transportation Research Record</i> , 2008 , 2047, 83-90	1.7	2
22	Dial-a-Ride Problem with Users' Accept/Reject Decisions Based on Service Utilities. <i>Transportation Research Record</i> , 2020 , 2674, 55-67	1.7	2
21	Spatial Aggregation Method for Anonymous Surveys: Case Study for Associations Between Urban Environment and Obesity. <i>Transportation Research Record</i> , 2016 , 2598, 27-36	1.7	2
20	An integrated transport and economic equilibrium model for autonomous transportation systems considering parking behavior. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2021 , 36, 902-921	8.4	2
19	Arrival Time Reliability in Strategic User Equilibrium. <i>Networks and Spatial Economics</i> , 2020 , 20, 803-831	1.9	1
18	Transit Route Design Solved with Wireless Data Collection Algorithms. <i>Transportation Research Record</i> , 2014 , 2466, 42-51	1.7	1
17	The System Impact of Travel Demand Variability in the Context of Electric Vehicles 2013 ,		1

16	Digitally transferable ownership of mobility-as-a-service systems using blockchain and smart contracts. <i>Transportation Letters</i> ,1-8	2.1	1
15	Autonomous Intersection Management for Connected and Automated Vehicles: A Lane-Based Method. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-16	6.1	1
14	Rapidex: A Novel Tool to Estimate OriginDestination Trips Using Pervasive Traffic Data. <i>Sustainability</i> , 2021 , 13, 11171	3.6	1
13	LINK PERFORMANCE FUNCTIONS FOR HIGH OCCUPANCY VEHICLE LANES OF FREEWAYS. <i>Transport</i> , 2018 , 33, 657-668	1.4	1
12	Freeway network design with exclusive lanes for automated vehicles under endogenous mobility demand. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 133, 103440	8.4	1
11	Frequentist and Bayesian Approaches for Understanding Route Choice of Drivers under Stop-and-Go Traffic. <i>Transportation Research Record</i> , 2020 , 2674, 371-382	1.7	1
10	New Horizontal Equity Measure for Ramp Meters. <i>Transportation Research Record</i> , 2016 , 2568, 90-102	1.7	1
9	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-13	6.1	1
8	Recalibration of the BPR function for the strategic modelling of connected and autonomous vehicles. <i>Transportmetrica B</i> , 2022 , 10, 779-800	1.8	1
7	Disaster Region Coverage Using Drones: Maximum Area Coverage and Minimum Resource Utilisation. <i>Drones</i> , 2022 , 6, 96	5.4	1
6	Consistency Between Convergence of Dynamic Assignment and Stochasticity of Microsimulation: Implication for Number of Runs. <i>Transportation Research Record</i> , 2017 , 2667, 88-95	1.7	
5	Freight Transportation Network Design Problem for Maximizing throughput under Uncertainty. <i>Transportation Research Record</i> , 2009 , 2090, 105-114	1.7	
4	Impact of Network Improvement on Revenue Performance and Bonding Costs of Toll Roads. <i>Transportation Research Record</i> , 2010 , 2187, 8-15	1.7	
3	PHEVs and BEVs in Coupled Power and Transportation Systems 2012 , 159-178		
2	Modeling and evaluating the impact of electricity price on commute network flows of battery electric vehicles. <i>Transportation Letters</i> ,1-15	2.1	
1	On the primal and dual formulations of traffic assignment problems with perception stochasticity and demand elasticity. <i>Transportation Letters</i> ,1-16	2.1	