

Joseph Y J Chow

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.

96
papers

1,500
citations

22
h-index

35
g-index

100
ext. papers

1,848
ext. citations

4.2
avg, IF

5.7
L-index

#	Paper	IF	Citations
96	Stochastic dynamic itinerary interception refueling location problem with queue delay for electric taxi charging stations. <i>Transportation Research Part C: Emerging Technologies</i> , 2014 , 40, 123-142	8.4	144
95	State-of-the art of freight forecast modeling: lessons learned and the road ahead. <i>Transportation</i> , 2010 , 37, 1011-1030	4	118
94	An agent-based day-to-day adjustment process for modeling Mobility as a Service with a two-sided flexible transport market. <i>Transportation Research Part B: Methodological</i> , 2017 , 104, 36-57	7.2	67
93	A scalable non-myopic dynamic dial-a-ride and pricing problem. <i>Transportation Research Part B: Methodological</i> , 2015 , 81, 539-554	7.2	61
92	Inverse optimization with endogenous arrival time constraints to calibrate the household activity pattern problem. <i>Transportation Research Part B: Methodological</i> , 2012 , 46, 463-479	7.2	59
91	A dynamic ridesharing dispatch and idle vehicle repositioning strategy with integrated transit transfers. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 128, 417-442	9	51
90	Dynamic UAV-based traffic monitoring under uncertainty as a stochastic arc-inventory routing policy. <i>International Journal of Transportation Science and Technology</i> , 2016 , 5, 167-185	3.3	51
89	Selective vehicle routing problems under uncertainty without recourse. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 62, 68-88	9	50
88	Non-myopic relocation of idle mobility-on-demand vehicles as a dynamic location-allocation-queueing problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017 , 106, 60-77	9	43
87	Network-based real option models. <i>Transportation Research Part B: Methodological</i> , 2011 , 45, 682-695	7.2	42
86	Symbiotic network design strategies in the presence of coexisting transportation networks. <i>Transportation Research Part B: Methodological</i> , 2014 , 62, 13-34	7.2	38
85	Activity-Based Travel Scenario Analysis with Routing Problem Reoptimization. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014 , 29, 91-106	8.4	36
84	On activity-based network design problems. <i>Transportation Research Part B: Methodological</i> , 2013 , 57, 398-418	7.2	32
83	A multi-day activity-based inventory routing model with space-time needs constraints. <i>Transportmetrica A: Transport Science</i> , 2015 , 11, 243-269	2.5	30
82	Inverse vehicle routing for activity-based urban freight forecast modeling and city logistics. <i>Transportmetrica A: Transport Science</i> , 2016 , 12, 650-673	2.5	29
81	Activity-based market equilibrium for capacitated multimodal transport systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 59, 2-18	8.4	28
80	Survey and empirical evaluation of nonhomogeneous arrival process models with taxi data. <i>Journal of Advanced Transportation</i> , 2016 , 50, 1275-1294	1.9	27

79	Real Option Pricing of Network Design Investments. <i>Transportation Science</i> , 2011 , 45, 50-63	4.4	26
78	Impact of COVID-19 behavioral inertia on reopening strategies for New York City transit. <i>International Journal of Transportation Science and Technology</i> , 2021 , 10, 197-211	3.3	25
77	A downtown on-street parking model with urban truck delivery behavior. <i>Transportation Research, Part A: Policy and Practice</i> , 2017 , 102, 51-67	3.7	24
76	Comparison of Light Rail Streetcar Against Shared Autonomous Vehicle Fleet for BrooklynQueens Connector in New York City. <i>Transportation Research Record</i> , 2017 , 2650, 142-151	1.7	23
75	Equilibrium scheduling of vehicle-to-grid technology using activity based modelling. <i>Transportation Research Part C: Emerging Technologies</i> , 2016 , 65, 79-96	8.4	22
74	Generalized Profitable Tour Problems for Online Activity Routing System. <i>Transportation Research Record</i> , 2012 , 2284, 1-9	1.7	20
73	Resource Location and Relocation Models with Rolling Horizon Forecasting for Wildland Fire Planning. <i>Infor</i> , 2011 , 49, 31-43	0.5	20
72	Multi-Criteria Sustainability Assessment in Transport Planning for Recreational Travel. <i>International Journal of Sustainable Transportation</i> , 2013 , 8, 151-175	3.6	18
71	Agent-based day-to-day adjustment process to evaluate dynamic flexible transport service policies. <i>Transportmetrica B</i> , 2017 , 5, 281-306	1.8	17
70	A surrogate-based multiobjective metaheuristic and network degradation simulation model for robust toll pricing. <i>Optimization and Engineering</i> , 2014 , 15, 137-165	2.1	17
69	Stochastic dynamic switching in fixed and flexible transit services as market entry-exit real options. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 94, 288-306	8.4	17
68	Reference Policies for Non-myopic Sequential Network Design and Timing Problems. <i>Networks and Spatial Economics</i> , 2016 , 16, 1183-1209	1.9	16
67	A fractionally owned autonomous vehicle fleet sizing problem with time slot demand substitution effects. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 98, 37-53	8.4	16
66	A longitudinal study of bike infrastructure impact on bikesharing system performance in New York City. <i>International Journal of Sustainable Transportation</i> , 2020 , 14, 886-902	3.6	16
65	Route-cost-assignment with joint user and operator behavior as a many-to-one stable matching assignment game. <i>Transportation Research Part B: Methodological</i> , 2019 , 124, 60-81	7.2	15
64	Time-geographic relationships between vector fields of activity patterns and transport systems. <i>Journal of Transport Geography</i> , 2015 , 42, 22-33	5.2	15
63	Nonlinear inverse optimization for parameter estimation of commodity-vehicle-decoupled freight assignment. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 67, 71-91	9	15
62	Genetic Algorithm to Estimate Cumulative Prospect Theory Parameters for Selection of High-Occupancy-Vehicle Lane. <i>Transportation Research Record</i> , 2010 , 2157, 71-77	1.7	15

61	Causal structure learning for travel mode choice using structural restrictions and model averaging algorithm. <i>Transportmetrica A: Transport Science</i> , 2017 , 13, 299-325	2.5	14
60	Network Learning via Multiagent Inverse Transportation Problems. <i>Transportation Science</i> , 2018 , 52, 1347-1364	4.4	13
59	Structural Commodity Generation Model that Uses Public Data: Geographic Scalability and Supply Chain Elasticity Analysis. <i>Transportation Research Record</i> , 2013 , 2378, 73-83	1.7	13
58	A validated multi-agent simulation test bed to evaluate congestion pricing policies on population segments by time-of-day in New York City. <i>Transport Policy</i> , 2021 , 101, 145-161	5.7	13
57	Stochastic dynamic switching in fixed and flexible transit services as market entry-exit real options. <i>Transportation Research Procedia</i> , 2017 , 23, 380-399	2.4	12
56	On the design of an optimal flexible bus dispatching system with modular bus units: Using the three-dimensional macroscopic fundamental diagram. <i>Transportation Research Part B: Methodological</i> , 2021 , 148, 38-59	7.2	12
55	Empirical Evaluation of Drivers' Route Choice Behavioral Responses to Social Navigation. <i>Transportation Research Record</i> , 2014 , 2423, 52-60	1.7	11
54	Faster Converging Global Heuristic for Continuous Network Design Using Radial Basis Functions. <i>Transportation Research Record</i> , 2010 , 2196, 102-110	1.7	11
53	Forecasting e-scooter substitution of direct and access trips by mode and distance. <i>Transportation Research, Part D: Transport and Environment</i> , 2021 , 96, 102892	6.4	11
52	Spatial welfare effects of shared taxi operating policies for first mile airport access. <i>International Journal of Transportation Science and Technology</i> , 2017 , 6, 301-315	3.3	10
51	A many-to-many assignment game and stable outcome algorithm to evaluate collaborative mobility-as-a-service platforms. <i>Transportation Research Part B: Methodological</i> , 2020 , 140, 79-100	7.2	10
50	Effects of Charging Infrastructure and Non-Electric Taxi Competition on Electric Taxi Adoption Incentives in New York City. <i>Transportation Research Record</i> , 2019 , 2673, 262-274	1.7	8
49	Nonadditive Public Transit Fare Pricing Under Congestion with Policy Lessons from a Case Study in Toronto, Ontario, Canada. <i>Transportation Research Record</i> , 2016 , 2544, 28-37	1.7	7
48	An inventory-based simulation model for annual-to-daily temporal freight assignment. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015 , 79, 83-101	9	6
47	Online monitoring of local taxi travel momentum and congestion effects using projections of taxi GPS-based vector fields. <i>Journal of Geographical Systems</i> , 2018 , 20, 253-274	1.8	6
46	A network option portfolio management framework for adaptive transportation planning. <i>Transportation Research, Part A: Policy and Practice</i> , 2011 , 45, 765-778	3.7	6
45	A real-time dispatching strategy for shared automated electric vehicles with performance guarantees. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021 , 152, 102392	9	6
44	Multi-Armed Bandit On-Time Arrival Algorithms for Sequential Reliable Route Selection under Uncertainty. <i>Transportation Research Record</i> , 2019 , 2673, 673-682	1.7	5

43	Policy analysis of third party electronic coupons for public transit fares. <i>Transportation Research, Part A: Policy and Practice</i> , 2014 , 66, 238-250	3.7	5
42	Online Data Repository for Statewide Freight Planning and Analysis. <i>Transportation Research Record</i> , 2011 , 2246, 121-129	1.7	5
41	A Node-Charge Graph-Based Online Carshare Rebalancing Policy with Capacitated Electric Charging. <i>Transportation Science</i> ,	4.4	5
40	Mobility in post-pandemic economic reopening under social distancing guidelines: Congestion, emissions, and contact exposure in public transit. <i>Transportation Research, Part A: Policy and Practice</i> , 2021 , 153, 151-170	3.7	5
39	Optimal privacy control for transport network data sharing. <i>Transportation Research Procedia</i> , 2019 , 38, 792-811	2.4	4
38	Activity-based Market Equilibrium for Capacitated Multimodal Transport Systems. <i>Transportation Research Procedia</i> , 2015 , 7, 2-23	2.4	4
37	Contextual Bandit-Based Sequential Transit Route Design under Demand Uncertainty. <i>Transportation Research Record</i> , 2020 , 2674, 613-625	1.7	4
36	Urban Transport Systems 2018 , 3-29		4
35	Large-Scale Simulation-Based Evaluation of Fleet Repositioning Strategies for Dynamic Rideshare in New York City		4
34	Optimal privacy control for transport network data sharing. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 113, 370-387	8.4	4
33	Unlimited-ride bike-share pass pricing revenue management for casual riders using only public data. <i>International Journal of Transportation Science and Technology</i> , 2020 , 9, 159-169	3.3	3
32	Redesign of Curricula in Transit Systems Planning to Meet Data-Driven Challenges. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2015 , 141, 05014007	0.7	3
31	Evaluation of city-scale built environment policies in New York City with an emerging-mobility-accessible synthetic population. <i>Transportation Research, Part A: Policy and Practice</i> , 2020 , 141, 444-467	3.7	3
30	An Agent-based Simulation for Shared Automated Electric Vehicles with Vehicle Relocation* 2019 ,		3
29	Effects of violent crime and vehicular crashes on active mode choice decisions in New York City. <i>Travel Behaviour & Society</i> , 2020 , 18, 37-45	5.3	3
28	Smart mobility for seniors: challenges and solutions in El Paso, TX, and New York, NY 2018 ,		3
27	A privacy design problem for sharing transport service tour data 2017 ,		2
26	On Activity-based Network Design Problems. <i>Procedia, Social and Behavioral Sciences</i> , 2013 , 80, 157-185		2

25	A tablet-based surrogate system architecture for "in-situ" evaluation of cyber-physical transport technologies. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2016 , 8, 79-91	2.6	2
24	A user-operator assignment game with heterogeneous user groups for empirical evaluation of a microtransit service in Luxembourg. <i>Transportmetrica A: Transport Science</i> , 2021 , 17, 946-973	2.5	2
23	Day-to-day market evaluation of modular autonomous vehicle fleet operations with en-route transfers. <i>Transportmetrica B</i> , 2021 , 9, 109-133	1.8	2
22	On Observable Chaotic Maps for Queuing Analysis. <i>Transportation Research Record</i> , 2013 , 2390, 138-147	1.7	1
21	An electric vehicle charging station access equilibrium model with M/D/C queueing. <i>International Journal of Sustainable Transportation</i> , 1-17	3.6	1
20	Effect of Routing Constraints on Learning Efficiency of Destination Recommender Systems in Mobility-on-Demand Services. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-16	6.1	1
19	Transit Network Frequency Setting With Multi-Agent Simulation to Capture Activity-Based Mode Substitution. <i>Transportation Research Record</i> , 036119812110569	1.7	1
18	The pickup and delivery problem with synchronized en-route transfers for microtransit planning. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022 , 157, 102562	9	1
17	Gravity Model of Passenger and Mobility Fleet Origin-Destination Patterns with Partially Observed Service Data. <i>Transportation Research Record</i> , 2021 , 2675, 235-253	1.7	1
16	Bike Count Forecast Model with Multimodal Network Connectivity Measures. <i>Transportation Research Record</i> , 2021 , 2675, 320-334	1.7	1
15	Spatial-Dynamic Matching Equilibrium Models of New York City Taxi and Uber Markets. <i>Journal of Transportation Engineering Part A: Systems</i> , 2021 , 147, 04021048	1.5	1
14	An Empirical Validation of Network Learning With Taxi GPS Data From Wuhan, China. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2021 , 13, 42-58	2.6	1
13	A chance-constrained dial-a-ride problem with utility-maximising demand and multiple pricing structures. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022 , 158, 102601	9	0
12	School Bus Routing Problem with a Mixed Ride, Mixed Load, and Heterogeneous Fleet. <i>Transportation Research Record</i> , 2021 , 2675, 467-479	1.7	0
11	A Simulation Sandbox to Compare Fixed-Route, Semi-flexible Transit, and On-demand Microtransit System Designs. <i>KSCE Journal of Civil Engineering</i> , 1	1.9	0
10	Worldwide city transport typology prediction with sentence-BERT based supervised learning via Wikipedia. <i>Transportation Research Part C: Emerging Technologies</i> , 2022 , 139, 103661	8.4	0
9	Monitoring Mobility in Smart Cities 2018 , 31-64		
8	Network Equilibrium Under Congestion 2018 , 67-137		

- 7 Market Schedule Equilibrium for Multimodal Systems **2018**, 139-181
- 6 Inverse Transportation Problems **2018**, 185-238
- 5 Privacy in Learning **2018**, 239-269
- 4 Network Design **2018**, 273-340
- 3 Network Portfolio Management **2018**, 341-387
- 2 A congested schedule-based dynamic transit passenger flow estimator using stop count data. 1.8
Transportmetrica B,1-26
- 1 Paratransit Shared-Ride Capacity Design With Infectious Disease Contact Exposure. *Transportation Research Record*,036119812210885 1.7