Joseph Y J Chow

List of Publications by Year in Descending Order

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	A chance-constrained dial-a-ride problem with utility-maximising demand and multiple pricing structures. *Transportation Research, Part E: Logistics and Transportation Review*, **2022**, 158, 102601	9	0
95	The pickup and delivery problem with synchronized en-route transfers for microtransit planning. *Transportation Research, Part E: Logistics and Transportation Review*, **2022**, 157, 102562	9	1
94	Worldwide city transport typology prediction with sentence-BERT based supervised learning via Wikipedia. *Transportation Research Part C: Emerging Technologies*, **2022**, 139, 103661	8.4	0
93	Impact of COVID-19 behavioral inertia on reopening strategies for New York City transit. *International Journal of Transportation Science and Technology*, **2021**, 10, 197-211	3.3	25
92	On the design of an optimal flexible bus dispatching system with modular bus units: Using the three-dimensional macroscopic fundamental diagram. *Transportation Research Part B: Methodological*, **2021**, 148, 38-59	7.2	12
91	A user-operator assignment game with heterogeneous user groups for empirical evaluation of a microtransit service in Luxembourg. *Transportmetrica A: Transport Science*, **2021**, 17, 946-973	2.5	2
90	Day-to-day market evaluation of modular autonomous vehicle fleet operations with en-route transfers. *Transportmetrica B*, **2021**, 9, 109-133	1.8	2
89	Gravity Model of Passenger and Mobility Fleet OriginDestination Patterns with Partially Observed Service Data. *Transportation Research Record*, **2021**, 2675, 235-253	1.7	1
88	A validated multi-agent simulation test bed to evaluate congestion pricing policies on population segments by time-of-day in New York City. *Transport Policy*, **2021**, 101, 145-161	5.7	13
87	Forecasting e-scooter substitution of direct and access trips by mode and distance. *Transportation Research, Part D: Transport and Environment*, **2021**, 96, 102892	6.4	11
86	Bike Count Forecast Model with Multimodal Network Connectivity Measures. *Transportation Research Record*, **2021**, 2675, 320-334	1.7	1
85	School Bus Routing Problem with a Mixed Ride, Mixed Load, and Heterogeneous Fleet. *Transportation Research Record*, **2021**, 2675, 467-479	1.7	0
84	A real-time dispatching strategy for shared automated electric vehicles with performance guarantees. *Transportation Research, Part E: Logistics and Transportation Review*, **2021**, 152, 102392	9	6
83	Spatial-Dynamic Matching Equilibrium Models of New York City Taxi and Uber Markets. *Journal of Transportation Engineering Part A: Systems*, **2021**, 147, 04021048	1.5	1
82	Mobility in post-pandemic economic reopening under social distancing guidelines: Congestion, emissions, and contact exposure in public transit. *Transportation Research, Part A: Policy and Practice*, **2021**, 153, 151-170	3.7	5
81	An Empirical Validation of Network Learning With Taxi GPS Data From Wuhan, China. *IEEE Intelligent Transportation Systems Magazine*, **2021**, 13, 42-58	2.6	1
80	Contextual Bandit-Based Sequential Transit Route Design under Demand Uncertainty. *Transportation Research Record*, **2020**, 2674, 613-625	1.7	4

79	Unlimited-ride bike-share pass pricing revenue management for casual riders using only public data. *International Journal of Transportation Science and Technology*, **2020**, 9, 159-169	3.3	3
78	Effect of Routing Constraints on Learning Efficiency of Destination Recommender Systems in Mobility-on-Demand Services. *IEEE Transactions on Intelligent Transportation Systems*, **2020**, 1-16	6.1	1
77	A many-to-many assignment game and stable outcome algorithm to evaluate collaborative mobility-as-a-service platforms. *Transportation Research Part B: Methodological*, **2020**, 140, 79-100	7.2	10
76	Evaluation of city-scale built environment policies in New York City with an emerging-mobility-accessible synthetic population. *Transportation Research, Part A: Policy and Practice*, **2020**, 141, 444-467	3.7	3
75	Effects of violent crime and vehicular crashes on active mode choice decisions in New York City. *Travel Behaviour & Society*, **2020**, 18, 37-45	5.3	3
74	Optimal privacy control for transport network data sharing. *Transportation Research Part C: Emerging Technologies*, **2020**, 113, 370-387	8.4	4
73	A longitudinal study of bike infrastructure impact on bikesharing system performance in New York City. *International Journal of Sustainable Transportation*, **2020**, 14, 886-902	3.6	16
72	Optimal privacy control for transport network data sharing. *Transportation Research Procedia*, **2019**, 38, 792-811	2.4	4
71	Multi-Armed Bandit On-Time Arrival Algorithms for Sequential Reliable Route Selection under Uncertainty. *Transportation Research Record*, **2019**, 2673, 673-682	1.7	5
70	Effects of Charging Infrastructure and Non-Electric Taxi Competition on Electric Taxi Adoption Incentives in New York City. *Transportation Research Record*, **2019**, 2673, 262-274	1.7	8
69	Route-cost-assignment with joint user and operator behavior as a many-to-one stable matching assignment game. *Transportation Research Part B: Methodological*, **2019**, 124, 60-81	7.2	15
68	A dynamic ridesharing dispatch and idle vehicle repositioning strategy with integrated transit transfers. *Transportation Research, Part E: Logistics and Transportation Review*, **2019**, 128, 417-442	9	51
67	An Agent-based Simulation for Shared Automated Electric Vehicles with Vehicle Relocation* **2019**,		3
66	A fractionally owned autonomous vehicle fleet sizing problem with time slot demand substitution effects. *Transportation Research Part C: Emerging Technologies*, **2019**, 98, 37-53	8.4	16
65	Network Learning via Multiagent Inverse Transportation Problems. *Transportation Science*, **2018**, 52, 1347-1364	4.4	13
64	Online monitoring of local taxi travel momentum and congestion effects using projections of taxi GPS-based vector fields. *Journal of Geographical Systems*, **2018**, 20, 253-274	1.8	6
63	Urban Transport Systems **2018**, 3-29		4
62	Monitoring Mobility in Smart Cities **2018**, 31-64		

61	Network Equilibrium Under Congestion **2018**, 67-137		
60	Market Schedule Equilibrium for Multimodal Systems **2018**, 139-181		
59	Inverse Transportation Problems **2018**, 185-238		
58	Privacy in Learning **2018**, 239-269		
57	Network Design **2018**, 273-340		
56	Network Portfolio Management **2018**, 341-387		
55	Stochastic dynamic switching in fixed and flexible transit services as market entry-exit real options. *Transportation Research Part C: Emerging Technologies*, **2018**, 94, 288-306	8.4	17
54	Smart mobility for seniors: challenges and solutions in El Paso, TX, and New York, NY **2018**,		3
53	Agent-based day-to-day adjustment process to evaluate dynamic flexible transport service policies. *Transportmetrica B*, **2017**, 5, 281-306	1.8	17
52	Causal structure learning for travel mode choice using structural restrictions and model averaging algorithm. *Transportmetrica A: Transport Science*, **2017**, 13, 299-325	2.5	14
51	A privacy design problem for sharing transport service tour data **2017**,		2
50	Comparison of Light Rail Streetcar Against Shared Autonomous Vehicle Fleet for Brooklyn Queens Connector in New York City. *Transportation Research Record*, **2017**, 2650, 142-151	1.7	23
49	Non-myopic relocation of idle mobility-on-demand vehicles as a dynamic location-allocation-queueing problem. *Transportation Research, Part E: Logistics and Transportation Review*, **2017**, 106, 60-77	9	43
48	Spatial welfare effects of shared taxi operating policies for first mile airport access. *International Journal of Transportation Science and Technology*, **2017**, 6, 301-315	3.3	10
47	Stochastic dynamic switching in fixed and flexible transit services as market entry-exit real options. *Transportation Research Procedia*, **2017**, 23, 380-399	2.4	12
46	An agent-based day-to-day adjustment process for modeling Mobility as a Service with a two-sided flexible transport market. *Transportation Research Part B: Methodological*, **2017**, 104, 36-57	7.2	67
45	A downtown on-street parking model with urban truck delivery behavior. *Transportation Research, Part A: Policy and Practice*, **2017**, 102, 51-67	3.7	24
44	Survey and empirical evaluation of nonhomogeneous arrival process models with taxi data. *Journal of Advanced Transportation*, **2016**, 50, 1275-1294	1.9	27

43	Nonadditive Public Transit Fare Pricing Under Congestion with Policy Lessons from a Case Study in Toronto, Ontario, Canada. *Transportation Research Record*, **2016**, 2544, 28-37	1.7	7
42	Reference Policies for Non-myopic Sequential Network Design and Timing Problems. *Networks and Spatial Economics*, **2016**, 16, 1183-1209	1.9	16
41	Equilibrium scheduling of vehicle-to-grid technology using activity based modelling. *Transportation Research Part C: Emerging Technologies*, **2016**, 65, 79-96	8.4	22
40	A tablet-based surrogate system architecture for "in-situ" evaluation of cyber-physical transport technologies. *IEEE Intelligent Transportation Systems Magazine*, **2016**, 8, 79-91	2.6	2
39	Dynamic UAV-based traffic monitoring under uncertainty as a stochastic arc-inventory routing policy. *International Journal of Transportation Science and Technology*, **2016**, 5, 167-185	3.3	51
38	Inverse vehicle routing for activity-based urban freight forecast modeling and city logistics. *Transportmetrica A: Transport Science*, **2016**, 12, 650-673	2.5	29
37	Activity-based Market Equilibrium for Capacitated Multimodal Transport Systems. *Transportation Research Procedia*, **2015**, 7, 2-23	2.4	4
36	Activity-based market equilibrium for capacitated multimodal transport systems. *Transportation Research Part C: Emerging Technologies*, **2015**, 59, 2-18	8.4	28
35	An inventory-based simulation model for annual-to-daily temporal freight assignment. *Transportation Research, Part E: Logistics and Transportation Review*, **2015**, 79, 83-101	9	6
34	A multi-day activity-based inventory routing model with space–time needs constraints. *Transportmetrica A: Transport Science*, **2015**, 11, 243-269	2.5	30
33	A scalable non-myopic dynamic dial-a-ride and pricing problem. *Transportation Research Part B: Methodological*, **2015**, 81, 539-554	7.2	61
32	Time-geographic relationships between vector fields of activity patterns and transport systems. *Journal of Transport Geography*, **2015**, 42, 22-33	5.2	15
31	Redesign of Curricula in Transit Systems Planning to Meet Data-Driven Challenges. *Journal of Professional Issues in Engineering Education and Practice*, **2015**, 141, 05014007	0.7	3
30	Stochastic dynamic itinerary interception refueling location problem with queue delay for electric taxi charging stations. *Transportation Research Part C: Emerging Technologies*, **2014**, 40, 123-142	8.4	144
29	Selective vehicle routing problems under uncertainty without recourse. *Transportation Research, Part E: Logistics and Transportation Review*, **2014**, 62, 68-88	9	50
28	Policy analysis of third party electronic coupons for public transit fares. *Transportation Research, Part A: Policy and Practice*, **2014**, 66, 238-250	3.7	5
27	Symbiotic network design strategies in the presence of coexisting transportation networks. *Transportation Research Part B: Methodological*, **2014**, 62, 13-34	7.2	38
26	Nonlinear inverse optimization for parameter estimation of commodity-vehicle-decoupled freight assignment. *Transportation Research, Part E: Logistics and Transportation Review*, **2014**, 67, 71-91	9	15

25	Empirical Evaluation of Drivers' Route Choice Behavioral Responses to Social Navigation. *Transportation Research Record*, **2014**, 2423, 52-60	1.7	11
24	Activity-Based Travel Scenario Analysis with Routing Problem Reoptimization. *Computer-Aided Civil and Infrastructure Engineering*, **2014**, 29, 91-106	8.4	36
23	A surrogate-based multiobjective metaheuristic and network degradation simulation model for robust toll pricing. *Optimization and Engineering*, **2014**, 15, 137-165	2.1	17
22	On Observable Chaotic Maps for Queuing Analysis. *Transportation Research Record*, **2013**, 2390, 138-147	1.7	1
21	On Activity-based Network Design Problems. *Procedia, Social and Behavioral Sciences*, **2013**, 80, 157-185		2
20	On activity-based network design problems. *Transportation Research Part B: Methodological*, **2013**, 57, 398-418	7.2	32
19	Multi-Criteria Sustainability Assessment in Transport Planning for Recreational Travel. *International Journal of Sustainable Transportation*, **2013**, 8, 151-175	3.6	18
18	Structural Commodity Generation Model that Uses Public Data: Geographic Scalability and Supply Chain Elasticity Analysis. *Transportation Research Record*, **2013**, 2378, 73-83	1.7	13
17	Inverse optimization with endogenous arrival time constraints to calibrate the household activity pattern problem. *Transportation Research Part B: Methodological*, **2012**, 46, 463-479	7.2	59
16	Generalized Profitable Tour Problems for Online Activity Routing System. *Transportation Research Record*, **2012**, 2284, 1-9	1.7	20
15	A network option portfolio management framework for adaptive transportation planning. *Transportation Research, Part A: Policy and Practice*, **2011**, 45, 765-778	3.7	6
14	Network-based real option models. *Transportation Research Part B: Methodological*, **2011**, 45, 682-695	7.2	42
13	Resource Location and Relocation Models with Rolling Horizon Forecasting for Wildland Fire Planning. *Infor*, **2011**, 49, 31-43	0.5	20
12	Online Data Repository for Statewide Freight Planning and Analysis. *Transportation Research Record*, **2011**, 2246, 121-129	1.7	5
11	Real Option Pricing of Network Design Investments. *Transportation Science*, **2011**, 45, 50-63	4.4	26
10	Genetic Algorithm to Estimate Cumulative Prospect Theory Parameters for Selection of High-Occupancy-Vehicle Lane. *Transportation Research Record*, **2010**, 2157, 71-77	1.7	15
9	Faster Converging Global Heuristic for Continuous Network Design Using Radial Basis Functions. *Transportation Research Record*, **2010**, 2196, 102-110	1.7	11
8	State-of-the art of freight forecast modeling: lessons learned and the road ahead. *Transportation*, **2010**, 37, 1011-1030	4	118

7	An electric vehicle charging station access equilibrium model with M/D/C queueing. *International Journal of Sustainable Transportation*,1-17	3.6	1
6	Transit Network Frequency Setting With Multi-Agent Simulation to Capture Activity-Based Mode Substitution. *Transportation Research Record*,036119812110569	1.7	1
5	Large-Scale Simulation-Based Evaluation of Fleet Repositioning Strategies for Dynamic Rideshare in New York City		4
4	A Node-Charge Graph-Based Online Carshare Rebalancing Policy with Capacitated Electric Charging. *Transportation Science*,	4.4	5
3	A congested schedule-based dynamic transit passenger flow estimator using stop count data. *Transportmetrica B*,1-26	1.8	
2	Paratransit Shared-Ride Capacity Design With Infectious Disease Contact Exposure. *Transportation Research Record*,036119812210885	1.7	
1	A Simulation Sandbox to Compare Fixed-Route, Semi-flexible Transit, and On-demand Microtransit System Designs. *KSCE Journal of Civil Engineering*,1	1.9	0