

Joseph Y J Chow

List of Publications by Year in descending order

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98
papers

2,178
citations

201385

27
h-index

264894

42
g-index

100
all docs

100
docs citations

100
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.9	181
2	State-of-the art of freight forecast modeling: lessons learned and the road ahead. <i>Transportation</i> , 2010, 37, 1011-1030.	2.1	139
3	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.	2.8	95
4	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.	3.7	92
5	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.	3.7	74
6	A scalable non-myopic dynamic dial-a-ride and pricing problem. <i>Transportation Research Part B: Methodological</i> , 2015, 81, 539-554.	2.8	73
7	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.	2.8	69
8	Selective vehicle routing problems under uncertainty without recourse. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014, 62, 68-88.	3.7	69
9	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.	2.0	66
10	Network-based real option models. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 682-695.	2.8	52
11	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.	2.0	52
12	Symbiotic network design strategies in the presence of coexisting transportation networks. <i>Transportation Research Part B: Methodological</i> , 2014, 62, 13-34.	2.8	46
13	Activity-Based Travel Scenario Analysis with Routing Problem Reoptimization. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014, 29, 91-106.	6.3	44
14	Inverse vehicle routing for activity-based urban freight forecast modeling and city logistics. <i>Transportmetrica A: Transport Science</i> , 2016, 12, 650-673.	1.3	39
15	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.	2.8	39
16	Activity-based market equilibrium for capacitated multimodal transport systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 59, 2-18.	3.9	36
17	A downtown on-street parking model with urban truck delivery behavior. <i>Transportation Research, Part A: Policy and Practice</i> , 2017, 102, 51-67.	2.0	36
18	Real Option Pricing of Network Design Investments. <i>Transportation Science</i> , 2011, 45, 50-63.	2.6	35

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19	On activity-based network design problems. <i>Transportation Research Part B: Methodological</i> , 2013, 57, 398-418.	2.8	35
20	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.	3.2	35
21	A multi-day activity-based inventory routing model with space-time needs constraints. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 243-269.	1.3	33
22	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.	3.4	33
23	Survey and empirical evaluation of nonhomogeneous arrival process models with taxi data. <i>Journal of Advanced Transportation</i> , 2016, 50, 1275-1294.	0.9	31
24	Equilibrium scheduling of vehicle-to-grid technology using activity based modelling. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 65, 79-96.	3.9	31
25	Comparison of Light Rail Streetcar Against Shared Autonomous Vehicle Fleet for Brooklyn-Queens Connector in New York City. <i>Transportation Research Record</i> , 2017, 2650, 142-151.	1.0	30
26	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.	3.9	29
27	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.	2.8	29
28	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.	2.1	27
29	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.	3.7	26
30	Agent-based day-to-day adjustment process to evaluate dynamic flexible transport service policies. <i>Transportmetrica B</i> , 2017, 5, 281-306.	1.4	24
31	Causal structure learning for travel mode choice using structural restrictions and model averaging algorithm. <i>Transportmetrica A: Transport Science</i> , 2017, 13, 299-325.	1.3	24
32	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.	3.9	24
33	Resource Location and Relocation Models with Rolling Horizon Forecasting for Wildland Fire Planning. <i>Infor</i> , 2011, 49, 31-43.	0.5	23
34	Generalized Profitable Tour Problems for Online Activity Routing System. <i>Transportation Research Record</i> , 2012, 2284, 1-9.	1.0	22
35	Multi-Criteria Sustainability Assessment in Transport Planning for Recreational Travel. <i>International Journal of Sustainable Transportation</i> , 2013, 8, 151-175.	2.1	22
36	A surrogate-based multiobjective metaheuristic and network degradation simulation model for robust toll pricing. <i>Optimization and Engineering</i> , 2014, 15, 137-165.	1.3	22

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37	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.	3.7	21
38	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.	2.0	21
39	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.	2.8	20
40	Empirical Evaluation of Drivers' Route Choice Behavioral Responses to Social Navigation. <i>Transportation Research Record</i> , 2014, 2423, 52-60.	1.0	19
41	Stochastic dynamic switching in fixed and flexible transit services as market entry-exit real options. <i>Transportation Research Procedia</i> , 2017, 23, 380-399.	0.8	19
42	Genetic Algorithm to Estimate Cumulative Prospect Theory Parameters for Selection of High-Occupancy-Vehicle Lane. <i>Transportation Research Record</i> , 2010, 2157, 71-77.	1.0	18
43	Reference Policies for Non-myopic Sequential Network Design and Timing Problems. <i>Networks and Spatial Economics</i> , 2016, 16, 1183-1209.	0.7	18
44	Network Learning via Multiagent Inverse Transportation Problems. <i>Transportation Science</i> , 2018, 52, 1347-1364.	2.6	18
45	Time-geographic relationships between vector fields of activity patterns and transport systems. <i>Journal of Transport Geography</i> , 2015, 42, 22-33.	2.3	17
46	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.	2.0	15
47	Structural Commodity Generation Model that Uses Public Data. <i>Transportation Research Record</i> , 2013, 2378, 73-83.	1.0	14
48	Faster Converging Global Heuristic for Continuous Network Design Using Radial Basis Functions. <i>Transportation Research Record</i> , 2010, 2196, 102-110.	1.0	12
49	Optimal privacy control for transport network data sharing. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 113, 370-387.	3.9	12
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.	1.0	11
51	A Node-Charge Graph-Based Online Carshare Rebalancing Policy with Capacitated Electric Charging. <i>Transportation Science</i> , 2022, 56, 654-676.	2.6	11
52	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.	1.0	10
53	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.	2.0	10
54	Policy analysis of third party electronic coupons for public transit fares. <i>Transportation Research, Part A: Policy and Practice</i> , 2014, 66, 238-250.	2.0	9

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55	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.	1.9	9
56	Optimal privacy control for transport network data sharing. <i>Transportation Research Procedia</i> , 2019, 38, 792-811.	0.8	9
57	A network option portfolio management framework for adaptive transportation planning. <i>Transportation Research, Part A: Policy and Practice</i> , 2011, 45, 765-778.	2.0	8
58	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, .	0.9	8
59	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.	3.7	8
60	Multi-Armed Bandit On-Time Arrival Algorithms for Sequential Reliable Route Selection under Uncertainty. <i>Transportation Research Record</i> , 2019, 2673, 673-682.	1.0	8
61	Contextual Bandit-Based Sequential Transit Route Design under Demand Uncertainty. <i>Transportation Research Record</i> , 2020, 2674, 613-625.	1.0	8
62	Activity-based Market Equilibrium for Capacitated Multimodal Transport Systems. <i>Transportation Research Procedia</i> , 2015, 7, 2-23.	0.8	6
63	Smart Mobility for Seniors: Challenges and Solutions in El Paso, TX, and New York, NY. , 2018, , .		6
64	An Agent-based Simulation for Shared Automated Electric Vehicles with Vehicle Relocation. , 2019, , .		6
65	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.	3.7	6
66	An electric vehicle charging station access equilibrium model with M/D/C queueing. <i>International Journal of Sustainable Transportation</i> , 2023, 17, 228-244.	2.1	6
67	Online Data Repository for Statewide Freight Planning and Analysis. <i>Transportation Research Record</i> , 2011, 2246, 121-129.	1.0	5
68	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.	1.3	5
69	Bike Count Forecast Model with Multimodal Network Connectivity Measures. <i>Transportation Research Record</i> , 2021, 2675, 320-334.	1.0	5
70	Large-Scale Simulation-Based Evaluation of Fleet Repositioning Strategies for Dynamic Rideshare in New York City. , 0, , .		5
71	Urban Transport Systems. , 2018, , 3-29.		4
72	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.	2.4	4

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73	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.	2.0	4
74	Day-to-day market evaluation of modular autonomous vehicle fleet operations with en-route transfers. Transportmetrica B, 2021, 9, 109-133.	1.4	4
75	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.	3.7	4
76	A Simulation Sandbox to Compare Fixed-Route, Semi-flexible Transit, and On-demand Microtransit System Designs. KSCE Journal of Civil Engineering, 2022, 26, 3043-3062.	0.9	4
77	On Activity-based Network Design Problems. Procedia, Social and Behavioral Sciences, 2013, 80, 157-185.	0.5	3
78	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	3
79	A privacy design problem for sharing transport service tour data. , 2017, , .		3
80	Gravity Model of Passenger and Mobility Fleet Origin-Destination Patterns with Partially Observed Service Data. Transportation Research Record, 2021, 2675, 235-253.	1.0	3
81	School Bus Routing Problem with a Mixed Ride, Mixed Load, and Heterogeneous Fleet. Transportation Research Record, 2021, 2675, 467-479.	1.0	3
82	Spatial-Dynamic Matching Equilibrium Models of New York City Taxi and Uber Markets. Journal of Transportation Engineering Part A: Systems, 2021, 147, .	0.8	3
83	Transit Network Frequency Setting With Multi-Agent Simulation to Capture Activity-Based Mode Substitution. Transportation Research Record, 2022, 2676, 41-57.	1.0	3
84	Worldwide city transport typology prediction with sentence-BERT based supervised learning via Wikipedia. Transportation Research Part C: Emerging Technologies, 2022, 139, 103661.	3.9	3
85	Effect of Routing Constraints on Learning Efficiency of Destination Recommender Systems in Mobility-on-Demand Services. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4021-4036.	4.7	2
86	Efficient and stable data-sharing in a public transit oligopoly as a cooperative game. Transportation Research Part B: Methodological, 2022, 163, 64-87.	2.8	2
87	On Observable Chaotic Maps for Queuing Analysis. Transportation Research Record, 2013, 2390, 138-147.	1.0	1
88	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
89	Paratransit Shared-Ride Capacity Design With Infectious Disease Contact Exposure. Transportation Research Record, 0, , 036119812210885.	1.0	1
90	Monitoring Mobility in Smart Cities. , 2018, , 31-64.		0

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91	Network Equilibrium Under Congestion. , 2018, , 67-137.		0
92	Market Schedule Equilibrium for Multimodal Systems. , 2018, , 139-181.		0
93	Inverse Transportation Problems. , 2018, , 185-238.		0
94	Privacy in Learning. , 2018, , 239-269.		0
95	Network Design. , 2018, , 273-340.		0
96	Network Portfolio Management. , 2018, , 341-387.		0
97	A stochastic user-operator assignment game for microtransit service evaluation: A case study of Kussbus in Luxembourg. , 2020, , .		0
98	A congested schedule-based dynamic transit passenger flow estimator using stop count data. Transportmetrica B, 0, , 1-26.	1.4	0