Yang Liu

List of Publications by Year
in descending order

74 papers	2,375 citations	185998 28 h-index	233125 45 g-index
76 all docs	76 docs citations	76 times ranked	1121 citing authors

#	ARTICLE	IF	CITATIONS
1	Deployment of stationary and dynamic charging infrastructure for electric vehicles along traffic corridors. Transportation Research Part C: Emerging Technologies, 2017, 77, 185-206.	3.9	153
2	On the morning commute problem with bottleneck congestion and parking space constraints. Transportation Research Part B: Methodological, 2013, 58, 106-118.	2.8	150
3	Expirable parking reservations for managing morning commute with parking space constraints. Transportation Research Part C: Emerging Technologies, 2014, 44, 185-201.	3.9	131
4	Pricing scheme design of ridesharing program in morning commute problem. Transportation Research Part C: Emerging Technologies, 2017, 79, 156-177.	3.9	102
5	Modeling the morning commute for urban networks with cruising-for-parking: An MFD approach. Transportation Research Part B: Methodological, 2016, 93, 470-494.	2.8	97
6	An equilibrium analysis of commuter parking in the era of autonomous vehicles. Transportation Research Part C: Emerging Technologies, 2018, 92, 191-207.	3.9	93
7	Roles of accessibility, connectivity and spatial interdependence in realizing the economic impact of high-speed rail: Evidence from China. Transport Policy, 2020, 91, 1-15.	3.4	88
8	A novel permit scheme for managing parking competition and bottleneck congestion. Transportation Research Part C: Emerging Technologies, 2014, 44, 265-281.	3.9	80
9	Morning commute problem considering route choice, user heterogeneity and alternative system optima. Transportation Research Part B: Methodological, 2011, 45, 619-642.	2.8	61
10	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.	2.8	60
11	A semi-analytical approach for solving the bottleneck model with general user heterogeneity. Transportation Research Part B: Methodological, 2015, 71, 56-70.	2.8	59
12	Efficiency of a highway use reservation system for morning commute. Transportation Research Part C: Emerging Technologies, 2015, 56, 293-308.	3.9	58
13	Doubly dynamics for multi-modal networks with park-and-ride and adaptive pricing. Transportation Research Part B: Methodological, 2017, 102, 162-179.	2.8	56
14	Interactive travel choices and traffic forecast in a doubly dynamical system with user inertia and information provision. Transportation Research Part C: Emerging Technologies, 2017, 85, 711-731.	3.9	48
15	Customer behavioural modelling of order cancellation in coupled ride-sourcing and taxi markets. Transportation Research Part B: Methodological, 2020, 132, 358-378.	2.8	48
16	Roads in transition: Integrated modeling of a manufacturer-traveler-infrastructure system in a mixed autonomous/human driving environment. Transportation Research Part C: Emerging Technologies, 2018, 90, 307-333.	3.9	45
17	Macroscopic parking dynamics modeling and optimal real-time pricing considering cruising-for-parking. Transportation Research Part C: Emerging Technologies, 2020, 118, 102714.	3.9	45
18	Customer behavioural modelling of order cancellation in coupled ride-sourcing and taxi markets. Transportation Research Procedia, 2019, 38, 853-873.	0.8	43

#	Article	IF	Citations
19	A network traffic assignment model for autonomous vehicles with parking choices. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 1100-1118.	6.3	41
20	On the joint impact of high-speed rail and megalopolis policy on regional economic growth in China. Transport Policy, 2020, 99, 20-30.	3.4	38
21	Parking sharing problem with spatially distributed parking supplies. Transportation Research Part C: Emerging Technologies, 2020, 117, 102676.	3.9	38
22	Itinerary choice and advance ticket booking for high-speed-railway network services. Transportation Research Part C: Emerging Technologies, 2018, 95, 82-104.	3.9	35
23	On integrating carsharing and parking sharing services. Transportation Research Part B: Methodological, 2020, 142, 19-44.	2.8	34
24	Traffic dynamics in a bi-modal transportation network with information provision and adaptive transit services. Transportation Research Part C: Emerging Technologies, 2018, 91, 77-98.	3.9	33
25	Spatio-Temporal Graph Convolutional and Recurrent Networks for Citywide Passenger Demand Prediction. , 2019, , .		33
26	A joint optimisation model for charger locating and electric bus charging scheduling considering opportunity fast charging and uncertainties. Transportation Research Part C: Emerging Technologies, 2022, 141, 103732.	3.9	33
27	Existence of self-financing and Pareto-improving congestion pricing: Impact of value of time distribution. Transportation Research, Part A: Policy and Practice, 2010, 44, 39-51.	2.0	31
28	Traffic rationing and pricing in a linear monocentric city. Journal of Advanced Transportation, 2014, 48, 655-672.	0.9	31
29	Day-to-day evolution of departure time choice in stochastic capacity bottleneck models with bounded rationality and various information perceptions. Transportation Research, Part E: Logistics and Transportation Review, 2019, 131, 168-192.	3.7	30
30	The geography of human activity and land use: A big data approach. Cities, 2020, 97, 102523.	2.7	30
31	Effectiveness of variable speed limits considering commuters' long-term response. Transportation Research Part B: Methodological, 2015, 81, 498-519.	2.8	29
32	The effects of high-speed rail development on regional equity in China. Transportation Research, Part A: Policy and Practice, 2020, 141, 180-202.	2.0	29
33	Modeling and managing ridesharing in a multi-modal network with an aggregate traffic representation: A doubly dynamical approach. Transportation Research Part C: Emerging Technologies, 2020, 117, 102670.	3.9	29
34	Modelling the traffic in a mixed network with autonomous-driving expressways and non-autonomous local streets. Transportation Research, Part E: Logistics and Transportation Review, 2020, 134, 101855.	3.7	28
35	Modeling and managing morning commute with both household and individual travels. Transportation Research Part B: Methodological, 2017, 103, 227-247.	2.8	26
36	Trial and error method for optimal tradable credit schemes: The network case. Journal of Advanced Transportation, 2014, 48, 685-700.	0.9	24

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37	Departure time and route choices in bottleneck equilibrium under risk and ambiguity. Transportation Research Part B: Methodological, 2018, 117, 774-793.	2.8	24
38	A game theoretical analysis of metro-integrated city logistics systems. Transportation Research Part B: Methodological, 2022, 156, 14-27.	2.8	23
39	A new look at the morning commute with household shared-ride: How does school location play a role?. Transportation Research, Part E: Logistics and Transportation Review, 2017, 103, 198-217.	3.7	21
40	A reliability-based assignment method for railway networks with heterogeneous passengers. Transportation Research Part C: Emerging Technologies, 2018, 93, 501-524.	3.9	20
41	The Downs–Thomson Paradox with responsive transit service. Transportation Research, Part A: Policy and Practice, 2014, 70, 244-263.	2.0	19
42	Managing morning commute with parking space constraints in the case of a bi-modal many-to-one network. Transportmetrica A: Transport Science, 2016, 12, 116-141.	1.3	19
43	Knowledge-guided Deep Reinforcement Learning for Interactive Recommendation. , 2020, , .		19
44	Optimal pricing and seat allocation schemes in passenger railway systems. Transportation Research, Part E: Logistics and Transportation Review, 2022, 157, 102580.	3.7	19
45	A New Flexible Parking Reservation Scheme for the Morning Commute under Limited Parking Supplies. Networks and Spatial Economics, 2021, 21, 513-545.	0.7	17
46	Urban mobility analytics: A deep spatial–temporal product neural network for traveler attributes inference. Transportation Research Part C: Emerging Technologies, 2021, 124, 102921.	3.9	16
47	Responsive bus dispatching strategy in a multi-modal and multi-directional transportation system: A doubly dynamical approach. Transportation Research Part C: Emerging Technologies, 2020, 113, 21-37.	3.9	14
48	Modeling and managing the joint equilibrium of destination and parking choices under hybrid supply of curbside and shared parking. Transportation Research Part C: Emerging Technologies, 2021, 130, 103301.	3.9	14
49	A multi-task memory network with knowledge adaptation for multimodal demand forecasting. Transportation Research Part C: Emerging Technologies, 2021, 131, 103352.	3.9	14
50	A convex programming approach for ridesharing user equilibrium under fixed driver/rider demand. Transportation Research Part B: Methodological, 2021, 149, 33-51.	2.8	13
51	An economic analysis of integrating bike sharing service with metro systems. Transportation Research, Part D: Transport and Environment, 2021, 99, 103008.	3.2	13
52	Learning and managing stochastic network traffic dynamics with an aggregate traffic representation. Transportation Research Part B: Methodological, 2020, 137, 19-46.	2.8	12
53	Knowledge Adaption for Demand Prediction based on Multi-task Memory Neural Network. , 2020, , .		12
54	Autonomous intersection management with pedestrians crossing. Transportation Research Part C: Emerging Technologies, 2022, 135, 103521.	3.9	12

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55	Dynamic pricing and penalty strategies in a coupled market with ridesourcing service and taxi considering time-dependent order cancellation behaviour. Transportation Research Part C: Emerging Technologies, 2022, 138, 103621.	3.9	10
56	Unlock the Sharing Economy: The Case of the Parking Sector for Recurrent Commuting Trips. Transportation Science, 2022, 56, 338-357.	2.6	9
57	An integrated approach for optimizing left-turn forbiddance decisions at multiple intersections. Transportmetrica B, 2019, 7, 1481-1504.	1.4	8
58	Graph Neural Network for Robust Public Transit Demand Prediction. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4086-4098.	4.7	8
59	A double time-scale passenger assignment model for high-speed railway networks with continuum capacity approximation. Transportation Research, Part E: Logistics and Transportation Review, 2021, 150, 102305.	3.7	8
60	Autonomous Intersection Management for Connected and Automated Vehicles: A Lane-Based Method. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15091-15106.	4.7	7
61	The short-run and long-run equilibria for commuting with autonomous vehicles. Transportmetrica B, 2022, 10, 803-830.	1.4	6
62	Single-leader multi-follower games for the regulation of two-sided mobility-as-a-service markets. European Journal of Operational Research, 2022, , .	3.5	5
63	Capacity allocation and tolling-rewarding schemes for the morning commute with carpooling. Transportation Research Part C: Emerging Technologies, 2022, 142, 103789.	3.9	5
64	Passenger Demographic Attributes Prediction for Human-Centered Public Transport. Communications in Computer and Information Science, 2019, , 486-494.	0.4	4
65	On the Morning Commute Problem in a Y-shaped Network with Individual and Household Travelers. Transportation Science, 2022, 56, 848-876.	2.6	4
66	Passenger shuttle service network design in an airport. Transportmetrica B, 2022, 10, 1099-1125.	1.4	3
67	Responsive bus dispatching strategy in a multi-modal and multi-directional transportation system: a doubly dynamical approach. Transportation Research Procedia, 2019, 38, 119-138.	0.8	2
68	Joint optimisation of park-and-ride facility locations and alternate traffic restriction scheme under equilibrium flows. Transportmetrica A: Transport Science, 2023, 19, .	1.3	2
69	Two-sided pricing strategies for a parking sharing platform: Reselling or commissioning?. Transportation Research Part B: Methodological, 2022, 163, 40-63.	2.8	2
70	Quantifying service-reliability-based day-to-day evolution of travel choices in public transit systems with smart transit card data. Transportmetrica B, 2021, 9, 519-551.	1.4	1
71	Integrated analysis for Transportation Systems in the Connected Era. Transportmetrica A: Transport Science, 2021, 17, 169-170.	1.3	0
72	On the morning commute problem in a Y-shaped network with individual and household travelers. SSRN Electronic Journal, 0, , .	0.4	0

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73	Offline-Online Approximate Dynamic Programming for Stochastic Carsharing Systems with Relocation Incentives. SSRN Electronic Journal, 0, , .	0.4	0
74	Mobility Irregularity Detection with Smart Transit Card Data. Lecture Notes in Computer Science, 2020, , 541-552.	1.0	0