

# Yafeng Yin

## List of Publications by Year in descending order

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86  
papers

4,671  
citations

94381

37  
h-index

102432

66  
g-index

86  
all docs

86  
docs citations

86  
times ranked

2646  
citing authors

#	ARTICLE	IF	CITATIONS
1	An empirical study of the labor supply of ride-sourcing drivers. <i>Transportation Letters</i> , 2022, 14, 352-355.	1.8	16
2	Strategic Information Perturbation for an Online In-Vehicle Coordinated Routing Mechanism for Connected Vehicles Under Mixed-Strategy Congestion Game. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 4541-4555.	4.7	6
3	Optimal composition of solo and pool services for on-demand ride-hailing. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022, 161, 102680.	3.7	8
4	Learning the max pressure control for urban traffic networks considering the phase switching loss. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 140, 103670.	3.9	14
5	Regulatory policies to electrify ridesourcing systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 141, 103743.	3.9	7
6	Economic analysis of vehicle infrastructure cooperation for driving automation. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 142, 103757.	3.9	4
7	A Control Theoretic Approach to Simultaneously Estimate Average Value of Time and Determine Dynamic Price for High-Occupancy Toll Lanes. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 7293-7305.	4.7	3
8	Modeling epidemic spreading through public transit using time-varying encounter network. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 122, 102893.	3.9	65
9	Credit-Based Mobility Management Considering Travelers's Budgeting Behaviors Under Uncertainty. <i>Transportation Science</i> , 2021, 55, 297-314.	2.6	3
10	Optimal contract design for ride-sourcing services under dual sourcing. <i>Transportation Research Part B: Methodological</i> , 2021, 146, 289-313.	2.8	20
11	Parking management of automated vehicles in downtown areas. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 126, 103001.	3.9	21
12	Regulating ridesourcing services with product differentiation and congestion externality. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 127, 103088.	3.9	31
13	Rhythmic Control of Automated Traffic"Part I: Concept and Properties at Isolated Intersections. <i>Transportation Science</i> , 2021, 55, 969-987.	2.6	25
14	A generalized fluid model of ride-hailing systems. <i>Transportation Research Part B: Methodological</i> , 2021, 150, 587-605.	2.8	12
15	Rhythmic Control of Automated Traffic"Part II: Grid Network Rhythm and Online Routing. <i>Transportation Science</i> , 2021, 55, 988-1009.	2.6	20
16	Optimizing matching time intervals for ride-hailing services using reinforcement learning. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 129, 103239.	3.9	25
17	Investigating the Potential of Truck Platooning for Energy Savings: Empirical Study of the U.S. National Highway Freight Network. <i>Transportation Research Record</i> , 2021, 2675, 784-796.	1.0	11
18	Learning ride-sourcing drivers's customer-searching behavior: A dynamic discrete choice approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 130, 103293.	3.9	18

#	ARTICLE	IF	CITATIONS
19	Pareto-efficient solutions and regulations of congested ride-sourcing markets with heterogeneous demand and supply. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 154, 102483.	3.7	21
20	Decentralized game-theoretical approaches for behaviorally-stable and efficient vehicle platooning. <i>Transportation Research Part B: Methodological</i> , 2021, 153, 45-69.	2.8	17
21	Itinerary planning for cooperative truck platooning. <i>Transportation Research Part B: Methodological</i> , 2021, 153, 91-110.	2.8	18
22	An auction mechanism for platoon leader determination in single-brand cooperative vehicle platooning. <i>Economics of Transportation</i> , 2021, 28, 100233.	1.1	7
23	Real-Time Cross-Fleet Pareto-Improving Truck Platoon Coordination. , 2021, , .		4
24	Equilibrium Analysis of Urban Traffic Networks with Ride-Sourcing Services. <i>Transportation Science</i> , 2021, 55, 1260-1279.	2.6	15
25	On the supply curve of ride-hailing systems. <i>Transportation Research Part B: Methodological</i> , 2020, 132, 29-43.	2.8	82
26	Frontiers in Service Science: Ride Matching for Peer-to-Peer Ride Sharing: A Review and Future Directions. <i>Service Science</i> , 2020, 12, 44-60.	0.9	56
27	Context-aware Route Recommendation with Weight Learning through Deep Neural Networks. , 2020, , .		0
28	Deployment of roadside units to overcome connectivity gap in transportation networks with mixed traffic. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 111, 496-512.	3.9	48
29	Integrated planning of static and dynamic charging infrastructure for electric vehicles. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 83, 102331.	3.2	43
30	Accelerating the adoption of automated vehicles by subsidies: A dynamic games approach. <i>Transportation Research Part B: Methodological</i> , 2019, 129, 226-243.	2.8	49
31	On the supply curve of ride-hailing systems. <i>Transportation Research Procedia</i> , 2019, 38, 37-55.	0.8	9
32	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.	2.8	60
33	An Advanced Parking Navigation System for Downtown Parking. <i>Networks and Spatial Economics</i> , 2019, 19, 953-968.	0.7	23
34	Vehicle-to-vehicle wireless power transfer: Paving the way toward an electrified transportation system. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 103, 261-280.	3.9	38
35	Behaviorally stable vehicle platooning for energy savings. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 99, 37-52.	3.9	59
36	Surge pricing and labor supply in the ride-sourcing market. <i>Transportation Research Part B: Methodological</i> , 2018, 117, 708-722.	2.8	93

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37	Methods for the Design of Safety Service Patrol Beats: The Florida Road Ranger Case Study. Transportation Research Record, 2018, 2672, 50-60.	1.0	5
38	Geometric matching and spatial pricing in ride-sourcing markets. Transportation Research Part C: Emerging Technologies, 2018, 92, 58-75.	3.9	141
39	A cost-competitiveness analysis of charging infrastructure for electric bus operations. Transportation Research Part C: Emerging Technologies, 2018, 93, 351-366.	3.9	128
40	A Simulation Study on Max Pressure Control of Signalized Intersections. Transportation Research Record, 2018, 2672, 117-127.	1.0	39
41	Discovering themes and trends in transportation research using topic modeling. Transportation Research Part C: Emerging Technologies, 2017, 77, 49-66.	3.9	193
42	Optimal design of autonomous vehicle zones in transportation networks. Transportation Research Part B: Methodological, 2017, 99, 44-61.	2.8	167
43	A Route Choice Model with Context-Dependent Value of Time. Transportation Science, 2017, 51, 536-548.	2.6	28
44	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
45	Socially optimal replacement of conventional with electric vehicles for the US household fleet. International Journal of Sustainable Transportation, 2017, 11, 749-763.	2.1	30
46	Optimal parking provision for ride-sourcing services. Transportation Research Part B: Methodological, 2017, 105, 559-578.	2.8	79
47	Sustainability SI: Optimal Prices of Electricity at Public Charging Stations for Plug-in Electric Vehicles. Networks and Spatial Economics, 2016, 16, 131-154.	0.7	100
48	Tradable Credit Scheme to Control Bottleneck Queue Length. Transportation Research Record, 2016, 2561, 53-63.	1.0	21
49	Analysis of Advanced Management of Curbside Parking. Transportation Research Record, 2016, 2567, 57-66.	1.0	25
50	Comparison of socioeconomic impacts of market-based instruments for mobility management. International Journal of Sustainable Transportation, 2016, 10, 96-104.	2.1	9
51	Economic analysis of ride-sourcing markets. Transportation Research Part C: Emerging Technologies, 2016, 71, 249-266.	3.9	248
52	Optimal deployment of autonomous vehicle lanes with endogenous market penetration. Transportation Research Part C: Emerging Technologies, 2016, 72, 143-156.	3.9	163
53	Optimal deployment of charging lanes for electric vehicles in transportation networks. Transportation Research Part B: Methodological, 2016, 91, 344-365.	2.8	182
54	Optimal choice of capacity, toll and government guarantee for build-operate-transfer roads under asymmetric cost information. Transportation Research Part B: Methodological, 2016, 85, 56-69.	2.8	50

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55	Optimal Deployment of Managed Lanes in General Networks. International Journal of Sustainable Transportation, 2015, 9, 431-441.	2.1	25
56	Socially optimal electric driving range of plug-in hybrid electric vehicles. Transportation Research, Part D: Transport and Environment, 2015, 39, 114-125.	3.2	31
57	Deploying public charging stations for electric vehicles on urban road networks. Transportation Research Part C: Emerging Technologies, 2015, 60, 227-240.	3.9	246
58	Transportation Modeling and Management. Mathematical Problems in Engineering, 2014, 2014, 1-4.	0.6	1
59	Pick-up locations and bus allocation for transit-based evacuation planning with demand uncertainty. Journal of Advanced Transportation, 2014, 48, 721-733.	0.9	53
60	Traffic rationing and pricing in a linear monocentric city. Journal of Advanced Transportation, 2014, 48, 655-672.	0.9	31
61	A Pareto-improving hybrid policy for transportation networks. Journal of Advanced Transportation, 2014, 48, 272-286.	0.9	16
62	Designing Emission Charging Schemes for Transportation Conformity. Journal of Advanced Transportation, 2014, 48, 766-781.	0.9	18
63	Privacy preserving origin-destination flow measurement in vehicular cyber-physical systems. , 2013, , .		13
64	Optimal deployment of public charging stations for plug-in hybrid electric vehicles. Transportation Research Part B: Methodological, 2013, 47, 87-101.	2.8	429
65	Tradable credit schemes on networks with mixed equilibrium behaviors. Transportation Research Part B: Methodological, 2013, 57, 47-65.	2.8	75
66	Privacy-Preserving Point-to-Point Transportation Traffic Measurement through Bit Array Masking in Intelligent Cyber-physical Road Systems. , 2013, , .		12
67	Analysis and Design of Tradable Credit Schemes under Uncertainty. Transportation Research Record, 2013, 2333, 27-36.	1.0	45
68	Design of more equitable congestion pricing and tradable credit schemes for multimodal transportation networks. Transportation Research Part B: Methodological, 2012, 46, 1273-1287.	2.8	122
69	A prospect-based user equilibrium model with endogenous reference points and its application in congestion pricing. Transportation Research Part B: Methodological, 2011, 45, 311-328.	2.8	123
70	Modeling and Implementation of Adaptive Transit Signal Priority on Actuated Control Systems. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 270-284.	6.3	56
71	Pareto-improving congestion pricing on multimodal transportation networks. European Journal of Operational Research, 2011, 210, 660-669.	3.5	69
72	Optimal dynamic pricing strategies for high-occupancy/toll lanes. Transportation Research Part C: Emerging Technologies, 2011, 19, 64-74.	3.9	81

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73	Robust Shelter Locations for Evacuation Planning with Demand Uncertainty. Journal of Transportation Safety and Security, 2011, 3, 272-288.	1.1	50
74	Robust congestion pricing under boundedly rational user equilibrium. Transportation Research Part B: Methodological, 2010, 44, 15-28.	2.8	130
75	Dynamic Tolling Strategies for Managed Lanes. Journal of Transportation Engineering, 2009, 135, 45-52.	0.9	68
76	Alternative marginal-cost pricing for road networks. NETNOMICS: Economic Research and Electronic Networking, 2009, 10, 77-83.	0.9	10
77	A Scenario-based Model for Fleet Allocation of Freeway Service Patrols. Networks and Spatial Economics, 2008, 8, 407-417.	0.7	22
78	Real-time estimation of origin-destination flows for actuation-controlled intersections. , 2006, , .		1
79	Optimal Fleet Allocation of Freeway Service Patrols. Networks and Spatial Economics, 2006, 6, 221-234.	0.7	28
80	New technology and the modeling of risk-taking behavior in congested road networks. Transportation Research Part C: Emerging Technologies, 2004, 12, 171-192.	3.9	70
81	Simultaneous determination of the equilibrium market penetration and compliance rate of advanced traveler information systems. Transportation Research, Part A: Policy and Practice, 2003, 37, 165-181.	2.0	51
82	Assessing Performance Reliability of Road Networks Under Nonrecurrent Congestion. Transportation Research Record, 2001, 1771, 148-155.	1.0	74
83	Geometric Matching and Spatial Pricing in Ride-Sourcing Markets. SSRN Electronic Journal, 0, , .	0.4	0
84	Equilibrium Analysis of Urban Traffic Networks with Ride-Sourcing Services. SSRN Electronic Journal, 0, , .	0.4	6
85	Regulating Ride-sourcing Services with Product Differentiation and Congestion Externality. SSRN Electronic Journal, 0, , .	0.4	2
86	A Generalized Fluid Model of Ride-Hailing Systems. SSRN Electronic Journal, 0, , .	0.4	1