

Yafeng Yin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8673488/publications.pdf>

Version: 2024-02-01

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	Optimal deployment of public charging stations for plug-in hybrid electric vehicles. <i>Transportation Research Part B: Methodological</i> , 2013, 47, 87-101.	2.8	429
2	Economic analysis of ride-sourcing markets. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 71, 249-266.	3.9	248
3	Deploying public charging stations for electric vehicles on urban road networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 60, 227-240.	3.9	246
4	Discovering themes and trends in transportation research using topic modeling. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 77, 49-66.	3.9	193
5	Optimal deployment of charging lanes for electric vehicles in transportation networks. <i>Transportation Research Part B: Methodological</i> , 2016, 91, 344-365.	2.8	182
6	Optimal design of autonomous vehicle zones in transportation networks. <i>Transportation Research Part B: Methodological</i> , 2017, 99, 44-61.	2.8	167
7	Optimal deployment of autonomous vehicle lanes with endogenous market penetration. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 72, 143-156.	3.9	163
8	Deployment of stationary and dynamic charging infrastructure for electric vehicles along traffic corridors. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 77, 185-206.	3.9	153
9	Geometric matching and spatial pricing in ride-sourcing markets. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 92, 58-75.	3.9	141
10	Robust congestion pricing under boundedly rational user equilibrium. <i>Transportation Research Part B: Methodological</i> , 2010, 44, 15-28.	2.8	130
11	A cost-competitiveness analysis of charging infrastructure for electric bus operations. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 93, 351-366.	3.9	128
12	A prospect-based user equilibrium model with endogenous reference points and its application in congestion pricing. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 311-328.	2.8	123
13	Design of more equitable congestion pricing and tradable credit schemes for multimodal transportation networks. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 1273-1287.	2.8	122
14	Sustainability SI: Optimal Prices of Electricity at Public Charging Stations for Plug-in Electric Vehicles. <i>Networks and Spatial Economics</i> , 2016, 16, 131-154.	0.7	100
15	Surge pricing and labor supply in the ride-sourcing market. <i>Transportation Research Part B: Methodological</i> , 2018, 117, 708-722.	2.8	93
16	On the supply curve of ride-hailing systems. <i>Transportation Research Part B: Methodological</i> , 2020, 132, 29-43.	2.8	82
17	Optimal dynamic pricing strategies for high-occupancy/toll lanes. <i>Transportation Research Part C: Emerging Technologies</i> , 2011, 19, 64-74.	3.9	81
18	Optimal parking provision for ride-sourcing services. <i>Transportation Research Part B: Methodological</i> , 2017, 105, 559-578.	2.8	79

#	ARTICLE	IF	CITATIONS
19	Tradable credit schemes on networks with mixed equilibrium behaviors. <i>Transportation Research Part B: Methodological</i> , 2013, 57, 47-65.	2.8	75
20	Assessing Performance Reliability of Road Networks Under Nonrecurrent Congestion. <i>Transportation Research Record</i> , 2001, 1771, 148-155.	1.0	74
21	New technology and the modeling of risk-taking behavior in congested road networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2004, 12, 171-192.	3.9	70
22	Pareto-improving congestion pricing on multimodal transportation networks. <i>European Journal of Operational Research</i> , 2011, 210, 660-669.	3.5	69
23	Dynamic Tolling Strategies for Managed Lanes. <i>Journal of Transportation Engineering</i> , 2009, 135, 45-52.	0.9	68
24	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
25	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
26	Behaviorally stable vehicle platooning for energy savings. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 99, 37-52.	3.9	59
27	Modeling and Implementation of Adaptive Transit Signal Priority on Actuated Control Systems. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2011, 26, 270-284.	6.3	56
28	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
29	Pickup locations and bus allocation for transit-based evacuation planning with demand uncertainty. <i>Journal of Advanced Transportation</i> , 2014, 48, 721-733.	0.9	53
30	Simultaneous determination of the equilibrium market penetration and compliance rate of advanced traveler information systems. <i>Transportation Research, Part A: Policy and Practice</i> , 2003, 37, 165-181.	2.0	51
31	Robust Shelter Locations for Evacuation Planning with Demand Uncertainty. <i>Journal of Transportation Safety and Security</i> , 2011, 3, 272-288.	1.1	50
32	Optimal choice of capacity, toll and government guarantee for build-operate-transfer roads under asymmetric cost information. <i>Transportation Research Part B: Methodological</i> , 2016, 85, 56-69.	2.8	50
33	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
34	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
35	Analysis and Design of Tradable Credit Schemes under Uncertainty. <i>Transportation Research Record</i> , 2013, 2333, 27-36.	1.0	45
36	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

#	ARTICLE	IF	CITATIONS
37	A Simulation Study on Max Pressure Control of Signalized Intersections. <i>Transportation Research Record</i> , 2018, 2672, 117-127.	1.0	39
38	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
39	Traffic rationing and pricing in a linear monocentric city. <i>Journal of Advanced Transportation</i> , 2014, 48, 655-672.	0.9	31
40	Socially optimal electric driving range of plug-in hybrid electric vehicles. <i>Transportation Research, Part D: Transport and Environment</i> , 2015, 39, 114-125.	3.2	31
41	Regulating ridesourcing services with product differentiation and congestion externality. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 127, 103088.	3.9	31
42	Socially optimal replacement of conventional with electric vehicles for the US household fleet. <i>International Journal of Sustainable Transportation</i> , 2017, 11, 749-763.	2.1	30
43	Optimal Fleet Allocation of Freeway Service Patrols. <i>Networks and Spatial Economics</i> , 2006, 6, 221-234.	0.7	28
44	A Route Choice Model with Context-Dependent Value of Time. <i>Transportation Science</i> , 2017, 51, 536-548.	2.6	28
45	Optimal Deployment of Managed Lanes in General Networks. <i>International Journal of Sustainable Transportation</i> , 2015, 9, 431-441.	2.1	25
46	Analysis of Advanced Management of Curbside Parking. <i>Transportation Research Record</i> , 2016, 2567, 57-66.	1.0	25
47	Rhythmic Control of Automated Traffic—Part I: Concept and Properties at Isolated Intersections. <i>Transportation Science</i> , 2021, 55, 969-987.	2.6	25
48	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
49	An Advanced Parking Navigation System for Downtown Parking. <i>Networks and Spatial Economics</i> , 2019, 19, 953-968.	0.7	23
50	A Scenario-based Model for Fleet Allocation of Freeway Service Patrols. <i>Networks and Spatial Economics</i> , 2008, 8, 407-417.	0.7	22
51	Tradable Credit Scheme to Control Bottleneck Queue Length. <i>Transportation Research Record</i> , 2016, 2561, 53-63.	1.0	21
52	Parking management of automated vehicles in downtown areas. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 126, 103001.	3.9	21
53	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
54	Optimal contract design for ride-sourcing services under dual sourcing. <i>Transportation Research Part B: Methodological</i> , 2021, 146, 289-313.	2.8	20

#	ARTICLE	IF	CITATIONS
55	Rhythmic Control of Automated Trafficâ€™Part II: Grid Network Rhythm and Online Routing. Transportation Science, 2021, 55, 988-1009.	2.6	20
56	Designing Emission Charging Schemes for Transportation Conformity. Journal of Advanced Transportation, 2014, 48, 766-781.	0.9	18
57	Learning ride-sourcing driversâ€™ customer-searching behavior: A dynamic discrete choice approach. Transportation Research Part C: Emerging Technologies, 2021, 130, 103293.	3.9	18
58	Itinerary planning for cooperative truck platooning. Transportation Research Part B: Methodological, 2021, 153, 91-110.	2.8	18
59	Decentralized game-theoretical approaches for behaviorally-stable and efficient vehicle platooning. Transportation Research Part B: Methodological, 2021, 153, 45-69.	2.8	17
60	A Paretoâ€™improving hybrid policy for transportation networks. Journal of Advanced Transportation, 2014, 48, 272-286.	0.9	16
61	An empirical study of the labor supply of ride-sourcing drivers. Transportation Letters, 2022, 14, 352-355.	1.8	16
62	Equilibrium Analysis of Urban Traffic Networks with Ride-Sourcing Services. Transportation Science, 2021, 55, 1260-1279.	2.6	15
63	Learning the max pressure control for urban traffic networks considering the phase switching loss. Transportation Research Part C: Emerging Technologies, 2022, 140, 103670.	3.9	14
64	Privacy preserving origin-destination flow measurement in vehicular cyber-physical systems. , 2013, , .		13
65	Privacy-Preserving Point-to-Point Transportation Traffic Measurement through Bit Array Masking in Intelligent Cyber-physical Road Systems. , 2013, , .		12
66	A generalized fluid model of ride-hailing systems. Transportation Research Part B: Methodological, 2021, 150, 587-605.	2.8	12
67	Investigating the Potential of Truck Platooning for Energy Savings: Empirical Study of the U.S. National Highway Freight Network. Transportation Research Record, 2021, 2675, 784-796.	1.0	11
68	Alternative marginal-cost pricing for road networks. NETNOMICS: Economic Research and Electronic Networking, 2009, 10, 77-83.	0.9	10
69	Comparison of socioeconomic impacts of market-based instruments for mobility management. International Journal of Sustainable Transportation, 2016, 10, 96-104.	2.1	9
70	On the supply curve of ride-hailing systems. Transportation Research Procedia, 2019, 38, 37-55.	0.8	9
71	Optimal composition of solo and pool services for on-demand ride-hailing. Transportation Research, Part E: Logistics and Transportation Review, 2022, 161, 102680.	3.7	8
72	An auction mechanism for platoon leader determination in single-brand cooperative vehicle platooning. Economics of Transportation, 2021, 28, 100233.	1.1	7

#	ARTICLE	IF	CITATIONS
73	Regulatory policies to electrify ridesourcing systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 141, 103743.	3.9	7
74	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
75	Equilibrium Analysis of Urban Traffic Networks with Ride-Sourcing Services. <i>SSRN Electronic Journal</i> , 0, , .	0.4	6
76	Methods for the Design of Safety Service Patrol Beats: The Florida Road Ranger Case Study. <i>Transportation Research Record</i> , 2018, 2672, 50-60.	1.0	5
77	Real-Time Cross-Fleet Pareto-Improving Truck Platoon Coordination. , 2021, , .		4
78	Economic analysis of vehicle infrastructure cooperation for driving automation. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 142, 103757.	3.9	4
79	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
80	Credit-Based Mobility Management Considering Travelers's Budgeting Behaviors Under Uncertainty. <i>Transportation Science</i> , 2021, 55, 297-314.	2.6	3
81	Regulating Ride-sourcing Services with Product Differentiation and Congestion Externality. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
82	Real-time estimation of origin-destination flows for actuation-controlled intersections. , 2006, , .		1
83	Transportation Modeling and Management. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-4.	0.6	1
84	A Generalized Fluid Model of Ride-Hailing Systems. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
85	Geometric Matching and Spatial Pricing in Ride-Sourcing Markets. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
86	Context-aware Route Recommendation with Weight Learning through Deep Neural Networks. , 2020, , .		0