Yanfeng Ouyang

List of Publications by Year
in descending order

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Version: 2024-02-01

70	2,763	159358	189595
papers	citations	30 h-index	50 g-index

72	72	72	2105
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A continuum approximation approach to reliable facility location design under correlated probabilistic disruptions. Transportation Research Part B: Methodological, 2010, 44, 535-548.	2.8	170
2	Biofuel refinery location and supply chain planning under traffic congestion. Transportation Research Part B: Methodological, 2011, 45, 162-175.	2.8	152
3	Joint inventory-location problem under the risk of probabilistic facility disruptions. Transportation Research Part B: Methodological, 2011, 45, 991-1003.	2.8	112
4	Biofuel supply chain design under competitive agricultural land use and feedstock market equilibrium. Energy Economics, 2012, 34, 1623-1633.	5.6	103
5	The bullwhip effect in supply chain networks. European Journal of Operational Research, 2010, 201, 799-810.	3.5	99
6	Reliable sensor deployment for network traffic surveillance. Transportation Research Part B: Methodological, 2011, 45, 218-231.	2.8	99
7	Bridge Seismic Retrofit Program Planning to Maximize Postearthquake Transportation Network Capacity. Journal of Infrastructure Systems, 2012, 18, 75-88.	1.0	90
8	A continuum approximation approach to competitive facility location design under facility disruption risks. Transportation Research Part B: Methodological, 2013, 50, 90-103.	2.8	80
9	Location planning for transit-based evacuation under the risk of service disruptions. Transportation Research Part B: Methodological, 2013, 54, 1-16.	2.8	78
10	A collaborative GIS framework to support equipment distribution for civil engineering disaster response operations. Automation in Construction, 2011, 20, 637-648.	4.8	77
11	Advancements in continuous approximation models for logistics and transportation systems: 1996â€“2016. Transportation Research Part B: Methodological, 2018, 107, 229-252.	2.8	75
12	Discretization and Validation of the Continuum Approximation Scheme for Terminal System Design. Transportation Science, 2006, 40, 89-98.	2.6	73
13	A Heuristic Approach to the Railroad Track Maintenance Scheduling Problem. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 129-145.	6.3	72
14	Reliable emergency service facility location under facility disruption, en-route congestion and in-facility queuing. Transportation Research, Part E: Logistics and Transportation Review, 2015, 82, 199-216.	3.7	70
15	A general model of demand-responsive transportation services: From taxi to ridesharing to dial-a-ride. Transportation Research Part B: Methodological, 2019, 126, 213-224.	2.8	66
16	Optimal Clustering of Railroad Track Maintenance Jobs. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 235-247.	6.3	59
17	Integrated Planning of Supply Chain Networks and Multimodal Transportation Infrastructure Expansion: Model Development and Application to the Biofuel Industry. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 247-259.	6.3	58
18	Joint optimization of freight facility location and pavement infrastructure rehabilitation under network traffic equilibrium. Transportation Research Part B: Methodological, 2014, 63, 38-52.	2.8	57

#	Article	IF	Citations
19	Grain supply chain network design and logistics planning for reducing post-harvest loss. Biosystems Engineering, 2016, 151, 105-115.	1.9	56
20	Pavement Resurfacing Planning for Highway Networks: Parametric Policy Iteration Approach. Journal of Infrastructure Systems, 2007, 13, 65-71.	1.0	51
21	Design of vehicle routing zones for large-scale distribution systems. Transportation Research Part B: Methodological, 2007, 41, 1079-1093.	2.8	51
22	Track maintenance production team scheduling in railroad networks. Transportation Research Part B: Methodological, 2012, 46, 1474-1488.	2.8	48
23	Enhanced models and improved solution for competitive biofuel supply chain design under land use constraints. European Journal of Operational Research, 2016, 249, 281-297.	3.5	44
24	Health and climate impacts of future United States land freight modelled with global-to-urban models. Nature Sustainability, 2019, 2, 105-112.	11.5	44
25	Emission Mitigation via Longitudinal Control of Intelligent Vehicles in a Congested Platoon. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 490-506.	6.3	43
26	Effects of Disruption Risks on Biorefinery Location Design. Energies, 2015, 8, 1468-1486.	1.6	38
27	Characterization of traffic oscillation propagation under nonlinear car-following laws. Transportation Research Part B: Methodological, 2011, 45, 1346-1361.	2.8	36
28	Refueling infrastructure planning in intercity networks considering route choice and travel time delay for mixed fleet of electric and conventional vehicles. Transportation Research Part C: Emerging Technologies, 2020, 120, 102802.	3.9	35
29	Optimal Locations of Railroad Wayside Defect Detection Installations. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 309-319.	6.3	34
30	Optimal investment and management of shared bikes in a competitive market. Transportation Research Part B: Methodological, 2020, 135, 143-155.	2.8	34
31	Decomposition of general facility disruption correlations via augmentation of virtual supporting stations. Transportation Research Part B: Methodological, 2015, 80, 64-81.	2.8	32
32	Vulnerability of Interdependent Urban Infrastructure Networks: Equilibrium after Failure Propagation and Cascading Impacts. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 300-315.	6.3	32
33	Facility location design under continuous traffic equilibrium. Transportation Research Part B: Methodological, 2015, 81, 18-33.	2.8	31
34	Parking space management via dynamic performance-based pricing. Transportation Research Part C: Emerging Technologies, 2015, 59, 66-91.	3.9	30
35	Urban Freight Truck Routing under Stochastic Congestion and Emission Considerations. Sustainability, 2015, 7, 6610-6625.	1.6	28
36	Optimal layout of transshipment facility locations on an infinite homogeneous plane. Transportation Research Part B: Methodological, 2015, 75, 74-88.	2.8	28

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37	Dynamic Planning of Facility Locations with Benefits from Multitype Facility Colocation. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 666-678.	6.3	26
38	Emission Projections for Long-Haul Freight Trucks and Rail in the United States through 2050. Environmental Science & Technology, 2015, 49, 11569-11576.	4.6	26
39	Efficiency of UAV-based last-mile delivery under congestion in low-altitude air. Transportation Research Part C: Emerging Technologies, 2021, 122, 102878.	3.9	26
40	Dynamic operations and pricing of electric unmanned aerial vehicle systems and power networks. Transportation Research Part C: Emerging Technologies, 2018, 92, 472-485.	3.9	25
41	Multiline Bus Bunching Control via Vehicle Substitution. Transportation Research Part B: Methodological, 2019, 126, 68-86.	2.8	25
42	Freight shipment modal split and its environmental impacts: An exploratory study. Journal of the Air and Waste Management Association, 2014, 64, 2-12.	0.9	23
43	Reliable Biomass Supply Chain Design under Feedstock Seasonality and Probabilistic Facility Disruptions. Energies, 2017, 10, 1895.	1.6	22
44	The traveling purchaser problem with stochastic prices: Exact and approximate algorithms. European Journal of Operational Research, 2011, 209, 265-272.	3.5	21
45	A Continuum Approximation Approach to the Dynamic Facility Location Problem in a Growing Market. Transportation Science, 2017, 51, 343-357.	2.6	19
46	Planning facility location under generally correlated facility disruptions: Use of supporting stations and quasi-probabilities. Transportation Research Part B: Methodological, 2019, 122, 115-139.	2.8	19
47	Optimal rebalancing and on-board charging of shared electric scooters. Transportation Research Part B: Methodological, 2021, 147, 197-219.	2.8	19
48	ViCTS: A novel network partition algorithm for scalable agent-based modeling of mass evacuation. Computers, Environment and Urban Systems, 2020, 80, 101452.	3.3	17
49	Optimal Staging Area Locations and Material Recycling Strategies for Sustainable Highway Reconstruction. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 559-571.	6.3	16
50	Mobility service design via joint optimization of transit networks and demand-responsive services. Transportation Research Part B: Methodological, 2021, 151, 22-41.	2.8	15
51	Approximation of discrete spatial data for continuous facility location design. Integrated Computer-Aided Engineering, 2014, 21, 311-320.	2.5	14
52	Bounded growth of the bullwhip effect under a class of nonlinear ordering policies. European Journal of Operational Research, 2015, 247, 72-82.	3.5	13
53	Planning of parking enforcement patrol considering driversâ€™ parking payment behavior. Transportation Research Part B: Methodological, 2017, 106, 375-392.	2.8	13
54	Reliable service systems design under the risk of network access failures. Transportation Research, Part E: Logistics and Transportation Review, 2019, 122, 1-13.	3.7	13

#	ARTICLE	IF	CITATIONS
55	Design and Implementation of Zone-to-Zone Demand Responsive Transportation Systems. Transportation Research Record, 2021, 2675, 275-287.	1.0	13
56	Planning of Resource Replenishment Location for Service Trucks Under Network Congestion and Routing Constraints. Transportation Research Record, 2016, 2567, 10-17.	1.0	12
57	Optimizing Location and Capacity for Multiple Types of Locomotive Maintenance Shops. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 163-175.	6.3	12
58	A Customized Hybrid Approach to Infrastructure Maintenance Scheduling in Railroad Networks under Variable Productivities. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 815-832.	6.3	12
59	Path-based Dynamic Pricing for Vehicle Allocation in Ridesharing Systems with Fully Compliant Drivers. Transportation Research Procedia, 2019, 38, 77-97.	0.8	12
60	Railroad caller districting with reliability, contiguity, balance, and compactness considerations. Transportation Research Part C: Emerging Technologies, 2016, 73, 65-76.	3.9	10
61	A Supporting Station Model for Reliable Infrastructure Location Design under Interdependent Disruptions. Procedia, Social and Behavioral Sciences, 2013, 80, 25-40.	0.5	9
62	System of Systems Model for Planning Electric Vehicle Charging Infrastructure in Intercity Transportation Networks Under Emission Consideration. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8103-8113.	4.7	8
63	Performance of reservation-based carpooling services under detour and waiting time restrictions. Transportation Research Part B: Methodological, 2021, 150, 370-385.	2.8	8
64	Experimental study on using advance demand information to mitigate the bullwhip effect via decentralised negotiations. Transportmetrica B, 2014, 2, 169-187.	1.4	5
65	A Discrete-Continuous Hybrid Approach to Periodic Routing of Waste Collection Vehicles With Recycling Operations. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 5236-5245.	4.7	5
66	Path-Based Dynamic Vehicle Dispatch Strategy for Demand Responsive Transit Systems. Transportation Research Record, 2021, 2675, 948-959.	1.0	5
67	Temporary Traffic Control Strategy Optimization for Urban Freeways. Transportation Research Record, 2018, 2672, 68-78.	1.0	4
68	Resource Planning Under Hypercube Queuing Equilibrium With Server Disruptions and Cooperative Dispatches. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 651-662.	4.7	4
69	Paved guideway topology optimization for pedestrian traffic under Nash equilibrium. Structural and Multidisciplinary Optimization, 2021, 63, 1405-1426.	1.7	3
70	On Solving a Class of Continuous Traffic Equilibrium Problems and Planning Facility Location Under Congestion. Operations Research, 2022, 70, 1465-1484.	1.2	2