

Yanfeng Ouyang

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,763
citations

159358

30
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189595

50
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72
all docs

72
docs citations

72
times ranked

2105
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | On Solving a Class of Continuous Traffic Equilibrium Problems and Planning Facility Location Under Congestion. Operations Research, 2022, 70, 1465-1484. | 1.2 | 2 |
| 4 | 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 |
| 5 | Design and Implementation of Zone-to-Zone Demand Responsive Transportation Systems. Transportation Research Record, 2021, 2675, 275-287. | 1.0 | 13 |
| 6 | Path-Based Dynamic Vehicle Dispatch Strategy for Demand Responsive Transit Systems. Transportation Research Record, 2021, 2675, 948-959. | 1.0 | 5 |
| 7 | Optimal rebalancing and on-board charging of shared electric scooters. Transportation Research Part B: Methodological, 2021, 147, 197-219. | 2.8 | 19 |
| 8 | Performance of reservation-based carpooling services under detour and waiting time restrictions. Transportation Research Part B: Methodological, 2021, 150, 370-385. | 2.8 | 8 |
| 9 | 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 |
| 10 | Paved guideway topology optimization for pedestrian traffic under Nash equilibrium. Structural and Multidisciplinary Optimization, 2021, 63, 1405-1426. | 1.7 | 3 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Optimal investment and management of shared bikes in a competitive market. Transportation Research Part B: Methodological, 2020, 135, 143-155. | 2.8 | 34 |
| 15 | Path-based Dynamic Pricing for Vehicle Allocation in Ridesharing Systems with Fully Compliant Drivers. Transportation Research Procedia, 2019, 38, 77-97. | 0.8 | 12 |
| 16 | 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 |
| 17 | Multiline Bus Bunching Control via Vehicle Substitution. Transportation Research Part B: Methodological, 2019, 126, 68-86. | 2.8 | 25 |
| 18 | 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 |

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|----|---|------|-----------|
| 19 | Health and climate impacts of future United States land freight modelled with global-to-urban models. <i>Nature Sustainability</i> , 2019, 2, 105-112. | 11.5 | 44 |
| 20 | Reliable service systems design under the risk of network access failures. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 122, 1-13. | 3.7 | 13 |
| 21 | Vulnerability of Interdependent Urban Infrastructure Networks: Equilibrium after Failure Propagation and Cascading Impacts. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018, 33, 300-315. | 6.3 | 32 |
| 22 | Advancements in continuous approximation models for logistics and transportation systems: 1996–2016. <i>Transportation Research Part B: Methodological</i> , 2018, 107, 229-252. | 2.8 | 75 |
| 23 | Temporary Traffic Control Strategy Optimization for Urban Freeways. <i>Transportation Research Record</i> , 2018, 2672, 68-78. | 1.0 | 4 |
| 24 | Dynamic operations and pricing of electric unmanned aerial vehicle systems and power networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 92, 472-485. | 3.9 | 25 |
| 25 | A Customized Hybrid Approach to Infrastructure Maintenance Scheduling in Railroad Networks under Variable Productivities. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018, 33, 815-832. | 6.3 | 12 |
| 26 | A Continuum Approximation Approach to the Dynamic Facility Location Problem in a Growing Market. <i>Transportation Science</i> , 2017, 51, 343-357. | 2.6 | 19 |
| 27 | Planning of parking enforcement patrol considering drivers' parking payment behavior. <i>Transportation Research Part B: Methodological</i> , 2017, 106, 375-392. | 2.8 | 13 |
| 28 | Reliable Biomass Supply Chain Design under Feedstock Seasonality and Probabilistic Facility Disruptions. <i>Energies</i> , 2017, 10, 1895. | 1.6 | 22 |
| 29 | Grain supply chain network design and logistics planning for reducing post-harvest loss. <i>Biosystems Engineering</i> , 2016, 151, 105-115. | 1.9 | 56 |
| 30 | Railroad caller districting with reliability, contiguity, balance, and compactness considerations. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 73, 65-76. | 3.9 | 10 |
| 31 | Planning of Resource Replenishment Location for Service Trucks Under Network Congestion and Routing Constraints. <i>Transportation Research Record</i> , 2016, 2567, 10-17. | 1.0 | 12 |
| 32 | Optimizing Location and Capacity for Multiple Types of Locomotive Maintenance Shops. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016, 31, 163-175. | 6.3 | 12 |
| 33 | Enhanced models and improved solution for competitive biofuel supply chain design under land use constraints. <i>European Journal of Operational Research</i> , 2016, 249, 281-297. | 3.5 | 44 |
| 34 | Urban Freight Truck Routing under Stochastic Congestion and Emission Considerations. <i>Sustainability</i> , 2015, 7, 6610-6625. | 1.6 | 28 |
| 35 | Bounded growth of the bullwhip effect under a class of nonlinear ordering policies. <i>European Journal of Operational Research</i> , 2015, 247, 72-82. | 3.5 | 13 |
| 36 | Effects of Disruption Risks on Biorefinery Location Design. <i>Energies</i> , 2015, 8, 1468-1486. | 1.6 | 38 |

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|----|---|-----|-----------|
| 37 | Decomposition of general facility disruption correlations via augmentation of virtual supporting stations. <i>Transportation Research Part B: Methodological</i> , 2015, 80, 64-81. | 2.8 | 32 |
| 38 | Parking space management via dynamic performance-based pricing. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 59, 66-91. | 3.9 | 30 |
| 39 | Optimal layout of transshipment facility locations on an infinite homogeneous plane. <i>Transportation Research Part B: Methodological</i> , 2015, 75, 74-88. | 2.8 | 28 |
| 40 | Emission Projections for Long-Haul Freight Trucks and Rail in the United States through 2050. <i>Environmental Science & Technology</i> , 2015, 49, 11569-11576. | 4.6 | 26 |
| 41 | Emission Mitigation via Longitudinal Control of Intelligent Vehicles in a Congested Platoon. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2015, 30, 490-506. | 6.3 | 43 |
| 42 | Reliable emergency service facility location under facility disruption, en-route congestion and in-facility queuing. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 82, 199-216. | 3.7 | 70 |
| 43 | Facility location design under continuous traffic equilibrium. <i>Transportation Research Part B: Methodological</i> , 2015, 81, 18-33. | 2.8 | 31 |
| 44 | Approximation of discrete spatial data for continuous facility location design. <i>Integrated Computer-Aided Engineering</i> , 2014, 21, 311-320. | 2.5 | 14 |
| 45 | Optimal Clustering of Railroad Track Maintenance Jobs. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014, 29, 235-247. | 6.3 | 59 |
| 46 | Optimal Staging Area Locations and Material Recycling Strategies for Sustainable Highway Reconstruction. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014, 29, 559-571. | 6.3 | 16 |
| 47 | Joint optimization of freight facility location and pavement infrastructure rehabilitation under network traffic equilibrium. <i>Transportation Research Part B: Methodological</i> , 2014, 63, 38-52. | 2.8 | 57 |
| 48 | Experimental study on using advance demand information to mitigate the bullwhip effect via decentralised negotiations. <i>Transportmetrica B</i> , 2014, 2, 169-187. | 1.4 | 5 |
| 49 | Freight shipment modal split and its environmental impacts: An exploratory study. <i>Journal of the Air and Waste Management Association</i> , 2014, 64, 2-12. | 0.9 | 23 |
| 50 | Dynamic Planning of Facility Locations with Benefits from Multitype Facility Colocation. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2013, 28, 666-678. | 6.3 | 26 |
| 51 | A Supporting Station Model for Reliable Infrastructure Location Design under Interdependent Disruptions. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 80, 25-40. | 0.5 | 9 |
| 52 | Integrated Planning of Supply Chain Networks and Multimodal Transportation Infrastructure Expansion: Model Development and Application to the Biofuel Industry. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2013, 28, 247-259. | 6.3 | 58 |
| 53 | A continuum approximation approach to competitive facility location design under facility disruption risks. <i>Transportation Research Part B: Methodological</i> , 2013, 50, 90-103. | 2.8 | 80 |
| 54 | Location planning for transit-based evacuation under the risk of service disruptions. <i>Transportation Research Part B: Methodological</i> , 2013, 54, 1-16. | 2.8 | 78 |

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|----|--|-----|-----------|
| 55 | Bridge Seismic Retrofit Program Planning to Maximize Postearthquake Transportation Network Capacity. <i>Journal of Infrastructure Systems</i> , 2012, 18, 75-88. | 1.0 | 90 |
| 56 | Biofuel supply chain design under competitive agricultural land use and feedstock market equilibrium. <i>Energy Economics</i> , 2012, 34, 1623-1633. | 5.6 | 103 |
| 57 | Track maintenance production team scheduling in railroad networks. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 1474-1488. | 2.8 | 48 |
| 58 | Reliable sensor deployment for network traffic surveillance. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 218-231. | 2.8 | 99 |
| 59 | Biofuel refinery location and supply chain planning under traffic congestion. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 162-175. | 2.8 | 152 |
| 60 | Joint inventory-location problem under the risk of probabilistic facility disruptions. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 991-1003. | 2.8 | 112 |
| 61 | Characterization of traffic oscillation propagation under nonlinear car-following laws. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 1346-1361. | 2.8 | 36 |
| 62 | A collaborative GIS framework to support equipment distribution for civil engineering disaster response operations. <i>Automation in Construction</i> , 2011, 20, 637-648. | 4.8 | 77 |
| 63 | A Heuristic Approach to the Railroad Track Maintenance Scheduling Problem. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2011, 26, 129-145. | 6.3 | 72 |
| 64 | The traveling purchaser problem with stochastic prices: Exact and approximate algorithms. <i>European Journal of Operational Research</i> , 2011, 209, 265-272. | 3.5 | 21 |
| 65 | The bullwhip effect in supply chain networks. <i>European Journal of Operational Research</i> , 2010, 201, 799-810. | 3.5 | 99 |
| 66 | A continuum approximation approach to reliable facility location design under correlated probabilistic disruptions. <i>Transportation Research Part B: Methodological</i> , 2010, 44, 535-548. | 2.8 | 170 |
| 67 | Optimal Locations of Railroad Wayside Defect Detection Installations. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2009, 24, 309-319. | 6.3 | 34 |
| 68 | Pavement Resurfacing Planning for Highway Networks: Parametric Policy Iteration Approach. <i>Journal of Infrastructure Systems</i> , 2007, 13, 65-71. | 1.0 | 51 |
| 69 | Design of vehicle routing zones for large-scale distribution systems. <i>Transportation Research Part B: Methodological</i> , 2007, 41, 1079-1093. | 2.8 | 51 |
| 70 | Discretization and Validation of the Continuum Approximation Scheme for Terminal System Design. <i>Transportation Science</i> , 2006, 40, 89-98. | 2.6 | 73 |