

# Jianmai Shi

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,266  
citations

430754

18  
h-index

360920

35  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1231  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Hybridization of Variable Neighborhood Search and Simulated Annealing for the Collaborative Truck-Drone Routing Problem. Lecture Notes in Electrical Engineering, 2022, , 1505-1515.              | 0.3 | 1         |
| 2  | Collaborative Truck-Drone Routing for Contactless Parcel Delivery During the Epidemic. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25077-25091.                            | 4.7 | 24        |
| 3  | Two-Echelon Routing Problem for Parcel Delivery by Cooperated Truck and Drone. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7450-7465.                                  | 5.9 | 59        |
| 4  | The electric vehicle routing problem with partial recharge and vehicle recycling. Complex & Intelligent Systems, 2021, 7, 1445-1458.  | 4.0 | 26        |
| 5  | A Stable Matching based Crowd Logistics for The Parcel Delivery in Cities. , 2021, , .  |     | 1         |
| 6  | HIVE: Route Optimization Problem of Automatic Delivery System with Mobile Depot and Multiple Drones. , 2021, , .  |     | 1         |
| 7  | A bi-objective multi-period facility location problem for household e-waste collection. International Journal of Production Research, 2020, 58, 526-545.  | 4.9 | 21        |
| 8  | Bi-objective design of household E-waste collection with public advertising and competition from informal sectors. Waste Management, 2020, 102, 65-75.  | 3.7 | 18        |
| 9  | The Electric Vehicle Routing Problem With Time Windows and Multiple Recharging Options. IEEE Access, 2020, 8, 114864-114875.  | 2.6 | 43        |
| 10 | Multi-Scenario Cooperative Evolutionary Algorithm for the $\hat{I}^2$ -Robust p-Median Problem with Demand Uncertainty. Applied Sciences (Switzerland), 2019, 9, 4174.                            | 1.3 | 2         |
| 11 | Optimization of Base Location and Patrol Routes for Unmanned Aerial Vehicles in Border Intelligence, Surveillance, and Reconnaissance. Journal of Advanced Transportation, 2019, 2019, 1-13.      | 0.9 | 34        |
| 12 | Cooperative Routing Problem for Ground Vehicle and Unmanned Aerial Vehicle: The Application on Intelligence, Surveillance, and Reconnaissance Missions. IEEE Access, 2019, 7, 63504-63518.        | 2.6 | 65        |
| 13 | Uncertainty-resistant stochastic MPC approach for optimal operation of CHP microgrid. Energy, 2019, 179, 1265-1278.   | 4.5 | 87        |
| 14 | Two-Layer Routing for High-Voltage Powerline Inspection by Cooperated Ground Vehicle and Drone. Energies, 2019, 12, 1385.   | 1.6 | 26        |
| 15 | Smart City-Wide Package Distribution Using Crowdsourced Public Transportation Systems. IEEE Internet of Things Journal, 2019, 6, 7584-7594.   | 5.5 | 20        |
| 16 | Multi-period multi-product acquisition planning with uncertain demands and supplier quantity discounts. Transportation Research, Part E: Logistics and Transportation Review, 2019, 132, 117-140. | 3.7 | 15        |
| 17 | Planning City-Wide Package Distribution Schemes Using Crowdsourced Public Transportation Systems. IEEE Access, 2019, 7, 1234-1246.  | 2.6 | 13        |
| 18 | When Packages Ride a Bus: Towards Efficient City-Wide Package Distribution. , 2018, , .   |     | 5         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A Self-Adapted Across Neighborhood Search Algorithm With Variable Reduction Strategy for Solving Non-Convex Static and Dynamic Economic Dispatch Problems. IEEE Access, 2018, 6, 41314-41324. | 2.6 | 10        |
| 20 | An Optimal and Distributed Demand Response Strategy for Energy Internet Management. Energies, 2018, 11, 215.  | 1.6 | 13        |
| 21 | The Mathematical Modeling of the Two-Echelon Ground Vehicle and Its Mounted Unmanned Aerial Vehicle Cooperated Routing Problem. , 2018, , .   |     | 9         |
| 22 | Joint Optimal Policy for Subsidy on Electric Vehicles and Infrastructure Construction in Highway Network. Energies, 2018, 11, 2479.   | 1.6 | 5         |
| 23 | Route Planning for Military Ground Vehicles in Road Networks under Uncertain Battlefield Environment. Journal of Advanced Transportation, 2018, 2018, 1-10.                                   | 0.9 | 4         |
| 24 | Multidepot UAV Routing Problem with Weapon Configuration and Time Window. Journal of Advanced Transportation, 2018, 2018, 1-15.   | 0.9 | 5         |
| 25 | Siting and sizing of fast charging stations in highway network with budget constraint. Applied Energy, 2018, 228, 1255-1271.  | 5.1 | 69        |
| 26 | Multi-objective optimization for a closed-loop network design problem using an improved genetic algorithm. Applied Mathematical Modelling, 2017, 45, 14-30.                                   | 2.2 | 54        |
| 27 | Fire scheduling for multiple weapons cooperative engagement considering trajectory crossing. , 2017, , .  |     | 0         |
| 28 | A Two-Echelon Cooperated Routing Problem for a Ground Vehicle and Its Carried Unmanned Aerial Vehicle. Sensors, 2017, 17, 1144.   | 2.1 | 100       |
| 29 | An Extended Flexible Job Shop Scheduling Model for Flight Deck Scheduling with Priority, Parallel Operations, and Sequence Flexibility. Scientific Programming, 2017, 2017, 1-15.             | 0.5 | 14        |
| 30 | Multiproduct Multiperiod Newsvendor Problem with Dynamic Market Efforts. Discrete Dynamics in Nature and Society, 2016, 2016, 1-10.   | 0.5 | 2         |
| 31 | Reliable Facility Location Problem with Facility Protection. PLoS ONE, 2016, 11, e0161532.  | 1.1 | 10        |
| 32 | Correlation between weighted spectral distribution and average path length in evolving networks. Chaos, 2016, 26, 023110.   | 1.0 | 12        |
| 33 | K-Shortest-Path-Based Evacuation Routing with Police Resource Allocation in City Transportation Networks. PLoS ONE, 2015, 10, e0131962.   | 1.1 | 17        |
| 34 | An integrated shelter location and route planning approach for emergent evacuation in transportation networks. , 2014, , .  |     | 3         |
| 35 | Optimal ordering and pricing policy with supplier quantity discounts and price-dependent stochastic demand. Optimization, 2012, 61, 151-162.  | 1.0 | 20        |
| 36 | A Lagrangian based solution algorithm for a build-to-order supply chain network design problem. Advances in Engineering Software, 2012, 49, 21-28.  | 1.8 | 15        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Jointly pricing and ordering for a multi-product multi-constraint newsvendor problem with supplier quantity discounts. <i>Applied Mathematical Modelling</i> , 2011, 35, 3001-3011.        | 2.2 | 26        |
| 38 | Optimal production planning for a multi-product closed loop system with uncertain demand and return. <i>Computers and Operations Research</i> , 2011, 38, 641-650.                         | 2.4 | 228       |
| 39 | Optimal production and pricing policy for a closed loop system. <i>Resources, Conservation and Recycling</i> , 2011, 55, 639-647.  | 5.3 | 101       |
| 40 | Optimal Production Planning for a Closed Loop System with Quality Uncertainty of Used Product. , 2011, , .   |     | 0         |
| 41 | Coordinating production and recycling decisions with stochastic demand and return. <i>Journal of Systems Science and Systems Engineering</i> , 2010, 19, 385-407.                          | 0.8 | 50        |
| 42 | Multi-product budget-constrained acquisition and pricing with uncertain demand and supplier quantity discounts. <i>International Journal of Production Economics</i> , 2010, 128, 322-331. | 5.1 | 33        |
| 43 | The newsvendor pricing problem with supplier discounts. , 2010, , .  |     | 0         |