Xiang Li

List of Publications by Year
in descending order

85 papers	3,730 citations	172457 29 h-index	133252 59 g-index
90 all docs	90 docs citations	90 times ranked	1762 citing authors

#	Article	IF	Citations
1	A Subway Train Timetable Optimization Approach Based on Energy-Efficient Operation Strategy. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 883-893.	8.0	317
2	A Cooperative Scheduling Model for Timetable Optimization in Subway Systems. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 438-447.	8.0	268
3	An energy-efficient scheduling and speed control approach for metro rail operations. Transportation Research Part B: Methodological, 2014, 64, 73-89.	5.9	247
4	Mean-variance-skewness model for portfolio selection with fuzzy returns. European Journal of Operational Research, 2010, 202, 239-247.	5.7	243
5	A SUFFICIENT AND NECESSARY CONDITION FOR CREDIBILITY MEASURES. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2006, 14, 527-535.	1.9	176
6	A Two-Objective Timetable Optimization Model in Subway Systems. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1913-1921.	8.0	156
7	An energy-efficient scheduling approach to improve the utilization of regenerative energy for metro systems. Transportation Research Part C: Emerging Technologies, 2015, 57, 13-29.	7.6	142
8	Optimizing trains movement on a railway network. Omega, 2012, 40, 619-633.	5.9	138
9	Energy minimization in dynamic train scheduling and control for metro rail operations. Transportation Research Part B: Methodological, 2014, 70, 269-284.	5.9	136
10	Portfolio selection based on fuzzy cross-entropy. Journal of Computational and Applied Mathematics, 2009, 228, 139-149.	2.0	121
11	Multi-depot vehicle routing problem for hazardous materials transportation: A fuzzy bilevel programming. Information Sciences, 2017, 399, 201-218.	6.9	105
12	Promotional pricing and online business model choice in the presence of retail competition. Omega, 2020, 94, 102085.	5.9	96
13	Multi-objective robust optimisation model for MDVRPLS in refined oil distribution. International Journal of Production Research, 2022, 60, 6772-6792.	7.5	96
14	Uncertain Alternating Renewal Process and Its Application. IEEE Transactions on Fuzzy Systems, 2012, 20, 1154-1160.	9.8	94
15	Fuzzy multi-period portfolio selection with different investment horizons. European Journal of Operational Research, 2016, 254, 1026-1035.	5.7	81
16	Multi-objective optimisation in flexible assembly job shop scheduling using a distributed ant colony system. European Journal of Operational Research, 2020, 283, 441-460.	5.7	69
17	A hybrid intelligent algorithm for portfolio selection problem with fuzzy returns. Journal of Computational and Applied Mathematics, 2009, 233, 264-278.	2.0	68
18	Multi-objective location-routing model for hazardous material logistics with traffic restriction constraint in inter-city roads. Computers and Industrial Engineering, 2019, 128, 861-876.	6.3	68

#	Article	IF	Citations
19	Portfolio selection problems with Markowitzâ€™s meanâ€"variance framework: a review of literature. Fuzzy Optimization and Decision Making, 2018, 17, 125-158.	5.5	67
20	An expected regret minimization portfolio selection model. European Journal of Operational Research, 2012, 218, 484-492.	5.7	60
21	A new bi-objective fuzzy portfolio selection model and its solution through evolutionary algorithms. Soft Computing, 2019, 23, 4367-4381.	3.6	54
22	Interval portfolio selection models within the framework of uncertainty theory. Economic Modelling, 2014, 41, 338-344.	3.8	51
23	Skewness of Fuzzy Numbers and Its Applications in Portfolio Selection. IEEE Transactions on Fuzzy Systems, 2015, 23, 2135-2143.	9.8	51
24	Mean-Semi-Entropy Models of Fuzzy Portfolio Selection. IEEE Transactions on Fuzzy Systems, 2016, 24, 1627-1636.	9.8	51
25	Closed-loop supply chain network design for hazardous products with uncertain demands and returns. Applied Soft Computing Journal, 2018, 68, 889-899.	7.2	46
26	Chance measure for hybrid events with fuzziness and randomness. Soft Computing, 2009, 13, 105-115.	3.6	45
27	An optimisation method for train scheduling with minimum energy consumption and travel time in metro rail systems. Transportmetrica B, 2015, 3, 79-98.	2.3	40
28	A Random Fuzzy Accelerated Degradation Model and Statistical Analysis. IEEE Transactions on Fuzzy Systems, 2018, 26, 1638-1650.	9.8	38
29	A STOCHASTIC TIMETABLE OPTIMIZATION MODEL IN SUBWAY SYSTEMS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2013, 21, 1-15.	1.9	37
30	Time consistent fuzzy multi-period rolling portfolio optimization with adaptive risk aversion factor. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 651-666.	4.9	27
31	Travel itinerary problem. Transportation Research Part B: Methodological, 2016, 91, 332-343.	5.9	26
32	A hybrid multi-objective approach for real-time flexible production scheduling and rescheduling under dynamic environment in Industry 4.0 context. Computers and Operations Research, 2021, 132, 105267.	4.0	26
33	Credibilistic Location-Routing Model for Hazardous Materials Transportation. International Journal of Intelligent Systems, 2015, 30, 23-39.	5.7	24
34	Driving strategy optimization for trains in subway systems. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 369-383.	2.0	24
35	Optimal pricing of customized bus services and ride-sharing based on a competitive game model. Omega, 2021, 103, 102413.	5.9	24
36	Fuzzy multi-objective chance-constrained programming model for hazardous materials transportation. International Journal of General Systems, 2016, 45, 286-310.	2.5	23

#	Article	IF	Citations
37	A Numerical-Integration-Based Simulation Algorithm for Expected Values of Strictly Monotone Functions of Ordinary Fuzzy Variables. IEEE Transactions on Fuzzy Systems, 2015, 23, 964-972.	9.8	20
38	A credibilistic goal programming model for inventory routing problem with hazardous materials. Soft Computing, 2018, 22, 5803-5816.	3.6	19
39	An Uncertain DEA Model for Scale Efficiency Evaluation. IEEE Transactions on Fuzzy Systems, 2019, 27, 1616-1624.	9.8	18
40	Single bus line timetable optimization with big data: A case study in Beijing. Information Sciences, 2020, 536, 53-66.	6.9	18
41	Suppliers' trade credit strategies with transparent credit ratings: Null, exclusive, and nonchalant provision. European Journal of Operational Research, 2022, 297, 153-163.	5.7	17
42	A distributionally robust credibilistic optimization method for the economic-environmental-energy-social sustainability problem. Information Sciences, 2019, 501, 1-18.	6.9	16
43	S-GCN-GRU-NN: A novel hybrid model by combining a Spatiotemporal Graph Convolutional Network and a Gated Recurrent Units Neural Network for short-term traffic speed forecasting. Journal of Data Information and Management, 2021, 3, 1-20.	2.7	16
44	A semantic study of the first-order predicate logic with uncertainty involved. Fuzzy Optimization and Decision Making, 2014, 13, 357-367.	5.5	15
45	Foundation of credibilistic logic. Fuzzy Optimization and Decision Making, 2009, 8, 91-102.	5.5	14
46	A little bit flexibility on headway distribution is enough: Data-driven optimization of subway regenerative energy. Information Sciences, 2021, 554, 276-296.	6.9	14
47	Linking granular computing, big data and decision making: a case study in urban path planning. Soft Computing, 2020, 24, 7435-7450.	3.6	13
48	Two-person cooperative uncertain differential game with transferable payoffs. Fuzzy Optimization and Decision Making, 2021, 20, 567-594.	5.5	13
49	A Spatiotemporal Bidirectional Attention-Based Ride-Hailing Demand Prediction Model: A Case Study in Beijing During COVID-19. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25115-25126.	8.0	13
50	Multi-period multi-scenario optimal design for closed-loop supply chain network of hazardous products with consideration of facility expansion. Soft Computing, 2020, 24, 2769-2780.	3.6	12
51	Fuzzy factorization machine. Information Sciences, 2021, 546, 1135-1147.	6.9	12
52	GPS trajectory data segmentation based on probabilistic logic. International Journal of Approximate Reasoning, 2018, 103, 227-247.	3.3	11
53	Mean-semi-entropy portfolio adjusting model with transaction costs. Journal of Data Information and Management, 2020, 2, 121-130.	2.7	11
54	Reliable location allocation for hazardous materials. Information Sciences, 2019, 501, 688-707.	6.9	10

#	ARTICLE	IF	CITATIONS
55	Free-floating bike-sharing systems: New repositioning rules, optimization models and solution algorithms. Information Sciences, 2022, 600, 239-262.	6.9	10
56	On product of positive L-R fuzzy numbers and its application to multi-period portfolio selection problems. Fuzzy Optimization and Decision Making, 2020, 19, 53-79.	5.5	9
57	Modeling and Solving a Multi-Period Inventory Fulfilling and Routing Problem for Hazardous Materials. Journal of Systems Science and Complexity, 2020, 33, 760-782.	2.8	9
58	Locally weighted factorization machine with fuzzy partition for elderly readmission prediction. Knowledge-Based Systems, 2022, 242, 108326.	7.1	9
59	SIGNATURES OF MULTI-STATE SYSTEMS BASED ON A SERIES/PARALLEL/RECURRENT STRUCTURE OF MODULES. Probability in the Engineering and Informational Sciences, 2022, 36, 824-850.	0.8	8
60	Financing capital-constrained third party logistic firms: fourth party logistic driven financing mode vs. private lending driven financing mode. International Journal of Production Research, 2022, 60, 2963-2982.	7.5	8
61	Heterogeneous fleet management for one-way electric carsharing system with optional orders, vehicle relocation and on-demand recharging. Computers and Operations Research, 2022, 145, 105868.	4.0	7
62	Decision making under various types of uncertainty. International Journal of General Systems, 2016, 45, 251-252.	2.5	6
63	Quality Management by Warranty Contract Under Dual Asymmetric Information. IEEE Transactions on Engineering Management, 2022, 69, 1022-1036.	3.5	6
64	A Two-Stage Rating Prediction Approach Based on Matrix Clustering on Implicit Information. IEEE Transactions on Computational Social Systems, 2020, 7, 517-535.	4.4	6
65	A short-turning strategy to alleviate bus bunching. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 117-128.	4.9	6
66	Intelligent transportation systems in big data. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 305-306.	4.9	4
67	Optimization and decision-making with big data. Soft Computing, 2018, 22, 5197-5199.	3.6	3
68	Urban hazmat transportation with multi-factor. Soft Computing, 2020, 24, 6307-6328.	3.6	3
69	Multi-period mean-semi-entropy portfolio management with transaction costs and bankruptcy control. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 705-715.	4.9	3
70	Risk Models for Hazardous Material Transportation Subject to Weight Variation Considerations. IEEE Transactions on Fuzzy Systems, 2021, 29, 2271-2282.	9.8	3
71	Driving performance grading and analytics: learning internal indicators and external factors from multi-source data. Industrial Management and Data Systems, 2021, 121, 2530-2570.	3.7	3
72	Mean-variance model for optimization of the timetable in urban rail transit systems. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 1005-1020.	2.0	2

#	Article	IF	Citations
73	Guest Editorial: Uncertain Multicriteria Decision Making Using Evolutionary Algorithms. IEEE Transactions on Fuzzy Systems, 2019, 27, 831-833.	9.8	2
74	Field-aware attentive neural factorization with fuzzy mutual information for company investment valuation. Information Sciences, 2022, 600, 43-58.	6.9	2
75	Staff scheduling in blood collection problems. Annals of Operations Research, 2022, 316, 365-400.	4.1	1
76	Soft computing in smart logistics. Soft Computing, 2020, 24, 6193-6195.	3.6	1
77	Data-driven bus timetabling with spatial-temporal travel time. Industrial Management and Data Systems, 2022, ahead-of-print, .	3.7	1
78	Uncertain Decision-Making: A Mathematical Programming Perspective. Scientific Programming, 2017, 2017, 1-2.	0.7	0
79	Fuzzy Bi-objective Chance-Constrained Programming Model for Timetable Optimization of a Bus Route. Advances in Intelligent Systems and Computing, 2018, , 312-324.	0.6	0
80	Literature Overview. Uncertainty and Operations Research, 2020, , 1-9.	0.1	0
81	Stochastic Speed Control and Timetable Optimization. Uncertainty and Operations Research, 2020, , 95-116.	0.1	0
82	Integrated Speed Control and Timetable Optimization. Uncertainty and Operations Research, 2020, , 63-78.	0.1	0
83	Timetabling with Regenerative Energy Maximization. Uncertainty and Operations Research, 2020, , 45-62.	0.1	0
84	Preface: Data-driven operations research in transportation and logistics. Annals of Operations Research, 0, , 1.	4.1	0
85	Multi-mode vehicle scheduling and routing for surging passenger flow management: from the perspective of urban traffic brain. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	0