

# Xueping Li

## List of Publications by Year in descending order

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79  
papers

1,919  
citations

279487

23  
h-index

276539

41  
g-index

79  
all docs

79  
docs citations

79  
times ranked

1886  
citing authors

#	ARTICLE	IF	CITATIONS
1	Covering models and optimization techniques for emergency response facility location and planning: a review. <i>Mathematical Methods of Operations Research</i> , 2011, 74, 281-310.	0.4	290
2	Supply chain resilience for single and multiple sourcing in the presence of disruption risks. <i>International Journal of Production Research</i> , 2018, 56, 2339-2360.	4.9	218
3	Challenges and models in supporting logistics system design for dedicated-biomass-based bioenergy industry. <i>Bioresource Technology</i> , 2011, 102, 1344-1351.	4.8	103
4	Makespan minimization on single batch-processing machine via ant colony optimization. <i>Computers and Operations Research</i> , 2012, 39, 582-593.	2.4	90
5	A multi-echelon inventory system with supplier selection and order allocation under stochastic demand. <i>International Journal of Production Economics</i> , 2014, 151, 37-47.	5.1	81
6	En-Lean: a framework to align lean and green manufacturing in the metal cutting supply chain. <i>International Journal of Enterprise Network Management</i> , 2007, 1, 238.	0.2	60
7	An effective discrete differential evolution algorithm for scheduling uniform parallel batch processing machines with non-identical capacities and arbitrary job sizes. <i>International Journal of Production Economics</i> , 2016, 179, 1-11.	5.1	59
8	Single batch processing machine scheduling with two-dimensional bin packing constraints. <i>International Journal of Production Economics</i> , 2018, 196, 113-121.	5.1	47
9	Scheduling elective surgeries with sequence-dependent setup times to multiple operating rooms using constraint programming. <i>Operations Research for Health Care</i> , 2014, 3, 160-167.	0.8	44
10	Developing a value stream map to evaluate breakdown maintenance operations. <i>International Journal of Industrial and Systems Engineering</i> , 2009, 4, 229.	0.1	40
11	Cooperative maximal covering models for humanitarian relief chain management. <i>Computers and Industrial Engineering</i> , 2018, 119, 301-308.	3.4	38
12	A bi-objective scheduling problem on batch machines via a Pareto-based ant colony system. <i>International Journal of Production Economics</i> , 2013, 145, 371-386.	5.1	36
13	Job scheduling methods for reducing waiting time variance. <i>Computers and Operations Research</i> , 2007, 34, 3069-3083.	2.4	35
14	A comparative analysis of management accounting systems' impact on lean implementation. <i>International Journal of Technology Management</i> , 2012, 57, 33.	0.2	33
15	Coalitional game theory approach to modeling suppliers' collaboration in supply networks. <i>International Journal of Production Economics</i> , 2015, 169, 333-342.	5.1	33
16	Web server QoS models: applying scheduling rules from production planning. <i>Computers and Operations Research</i> , 2005, 32, 1147-1164.	2.4	32
17	Reinforcement learning for joint pricing, lead-time and scheduling decisions in make-to-order systems. <i>European Journal of Operational Research</i> , 2012, 221, 99-109.	3.5	32
18	Use of Social Media by Fathers of Premature Infants. <i>Journal of Perinatal and Neonatal Nursing</i> , 2016, 30, 359-366.	0.5	30

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19	A hybrid differential evolution algorithm for a two-stage flow shop on batch processing machines with arbitrary release times and blocking. <i>International Journal of Production Research</i> , 2014, 52, 5714-5734.	4.9	28
20	Minimising makespan on a single batch processing machine with dynamic job arrivals and non-identical job sizes. <i>International Journal of Production Research</i> , 2014, 52, 2258-2274.	4.9	27
21	Earliness-tardiness minimization on scheduling a batch processing machine with non-identical job sizes. <i>Computers and Industrial Engineering</i> , 2015, 87, 590-599.	3.4	27
22	A Methodology for Evaluation and Selection of Nanoparticle Manufacturing Processes Based on Sustainability Metrics. <i>Environmental Science &amp; Technology</i> , 2008, 42, 6697-6702.	4.6	24
23	Prediction of Sepsis and In-Hospital Mortality Using Electronic Health Records. <i>Methods of Information in Medicine</i> , 2018, 57, 185-193.	0.7	24
24	Intelligent dynamic control of stochastic economic lot scheduling by agent-based reinforcement learning. <i>International Journal of Production Research</i> , 2012, 50, 4381-4395.	4.9	22
25	Game theory methodology for optimizing retailers' pricing and shelf-space allocation decisions on competing substitutable products. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 68, 375-389.	1.5	21
26	The flying sidekick traveling salesman problem with stochastic travel time: A reinforcement learning approach. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022, 164, 102816.	3.7	21
27	A hybrid differential evolution algorithm for multiple container loading problem with heterogeneous containers. <i>Computers and Industrial Engineering</i> , 2015, 90, 305-313.	3.4	20
28	Two level uncapacitated facility location problem with disruptions. <i>Computers and Industrial Engineering</i> , 2019, 137, 106089.	3.4	20
29	Optimal Distributed Generator Placement in Utility-Based Microgrids During a Large-Scale Grid Disturbance. <i>IEEE Access</i> , 2020, 8, 21333-21344.	2.6	19
30	Influencing factors of job waiting time variance on a single machine. <i>European Journal of Industrial Engineering</i> , 2007, 1, 56.	0.5	18
31	A comparative analysis of predictive data mining techniques. <i>International Journal of Rapid Manufacturing</i> , 2009, 1, 150.	0.5	18
32	Distance matrix based heuristics to minimize makespan of parallel batch processing machines with arbitrary job sizes and release times. <i>Applied Soft Computing Journal</i> , 2017, 52, 630-641.	4.1	18
33	Minimizing makespan in a no-wait flowshop with two batch processing machines using estimation of distribution algorithm. <i>International Journal of Production Research</i> , 2016, 54, 4919-4937.	4.9	17
34	AiRobSim: Simulating a Multisensor Aerial Robot for Urban Search and Rescue Operation and Training. <i>Sensors</i> , 2020, 20, 5223.	2.1	17
35	An agent-based approach to study the diffusion rate and the effect of policies on joint placement of photovoltaic panels and green roof under climate change uncertainty. <i>Applied Energy</i> , 2020, 261, 114402.	5.1	17
36	An order-splitting model for supplier selection and order allocation in a multi-echelon supply chain. <i>Computers and Operations Research</i> , 2022, 137, 105515.	2.4	17

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37	Restricted job completion time variance minimisation on identical parallel machines. <i>European Journal of Industrial Engineering</i> , 2009, 3, 261.	0.5	15
38	A scheduling decision support model for minimizing the number of drones with dynamic package arrivals and personalized deadlines. <i>Expert Systems With Applications</i> , 2021, 167, 114157.	4.4	14
39	Job scheduling to minimize the weighted waiting time variance of jobs. <i>Computers and Industrial Engineering</i> , 2007, 52, 41-56.	3.4	13
40	Two-dimensional knapsack-block packing problem. <i>Applied Mathematical Modelling</i> , 2019, 73, 1-18.	2.2	12
41	Designing intelligent agents to support long-term partnership in two echelon e-Supply Networks. <i>Expert Systems With Applications</i> , 2012, 39, 13501-13508.	4.4	11
42	Optimizing green infrastructure placement under precipitation uncertainty. <i>Omega</i> , 2021, 100, 102196.	3.6	11
43	A General Model and Efficient Algorithms for Reliable Facility Location Problem Under Uncertain Disruptions. <i>INFORMS Journal on Computing</i> , 2022, 34, 407-426.	1.0	11
44	Developing an Interactive Story for Children with Asthma. <i>Nursing Clinics of North America</i> , 2013, 48, 271-285.	0.7	10
45	Extreme events, energy security and equality through micro- and macro-levels: Concepts, challenges and methods. <i>Energy Research and Social Science</i> , 2022, 85, 102401.	3.0	10
46	Geographic and energy-aware routing in Wireless Sensor Networks. <i>International Journal of Ad Hoc and Ubiquitous Computing</i> , 2009, 4, 61.	0.3	9
47	Response surface optimisation of surgery start times in a single operating room using designed simulation experiments. <i>International Journal of Healthcare Technology and Management</i> , 2013, 14, 61.	0.1	9
48	Long Short-Term Memory Networks for Facility Infrastructure Failure and Remaining Useful Life Prediction. <i>IEEE Access</i> , 2021, 9, 67585-67594.	2.6	9
49	Minimizing job completion time variance for service stability on identical parallel machines. <i>Computers and Industrial Engineering</i> , 2010, 58, 729-738.	3.4	8
50	HeMA: A hierarchically enriched machine learning approach for managing false alarms in real time: A sepsis prediction case study. <i>Computers in Biology and Medicine</i> , 2021, 131, 104255.	3.9	8
51	Developing iCare v.1.0. <i>CIN - Computers Informatics Nursing</i> , 2012, 30, 321-329.	0.3	7
52	Deriving Simulation Models from Data: Steps of Simulation Studies Revisited. , 2019, , .		7
53	Pediatric Hospice and Palliative Care. <i>CIN - Computers Informatics Nursing</i> , 2014, 32, 299-302.	0.3	6
54	Designing an incentive scheme within a cooperative game for consolidated hospital systems. <i>Journal of the Operational Research Society</i> , 2020, 71, 1073-1144.	2.1	6

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55	Stochastic optimization of distributed generator location and sizing in an islanded utility microgrid during a large-scale grid disturbance. Sustainable Energy, Grids and Networks, 2021, 27, 100516.	2.3	6
56	Using a Systems Engineering Approach to Design an Interactive Mobile Health Application for Improving Asthma Self-management. CIN - Computers Informatics Nursing, 2021, 39, 221-228.	0.3	6
57	A Quantitative Survivability Evaluation Model for Wireless Sensor Networks. , 0, , .		5
58	Optimizing surgery start times for a single operating room via simulation. , 2011, , .		5
59	Quantifying the impact of demand substitution on the bullwhip effect in a supply chain. Logistics Research, 2011, 3, 221-232.	1.6	5
60	A Machine Learning-Enabled Partially Observable Markov Decision Process Framework for Early Sepsis Prediction. INFORMS Journal on Computing, 2022, 34, 2039-2057.	1.0	5
61	The effect of customer segmentation on an inventory system in the presence of supply disruptions. , 2009, , .		4
62	An agent based model for joint placement of PV panels and green roofs. , 2017, , .		4
63	Key establishment for layered group-based Wireless Sensor Networks. International Journal of Ad Hoc and Ubiquitous Computing, 2010, 5, 150.	0.3	3
64	Metamodel analysis on multi-echelon supply chain simulation experiments. International Journal of Industrial and Systems Engineering, 2010, 6, 24.	0.1	3
65	Missing Data, Data Cleansing, and Treatment From a Primary Study. CIN - Computers Informatics Nursing, 2018, 36, 367-371.	0.3	3
66	On the Extension of Schelling's Segregation Model. , 2019, , .		3
67	Efficient Solution Methods for a General $r$ -Interdiction Median Problem with Fortification. INFORMS Journal on Computing, 2022, 34, 1272-1290.	1.0	3
68	Multi-echelon supply chain simulation using metamodel. , 2008, , .		2
69	Adaptive web presence and evolution through web log analysis. International Journal of Electronic Customer Relationship Management, 2008, 2, 195.	0.1	2
70	Strengthening Recovery: A Burn Injury-Focused Mobile App to Improve Outcomes. Health and Social Work, 2019, 44, 203-207.	0.5	2
71	Multi-stage stochastic optimization of islanded utility-microgrids design after natural disasters. Operations Research Perspectives, 2022, 9, 100235.	1.2	2
72	Markov chain approximation methods on generalized HJB equation. , 2007, , .		1

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73	An Optimization via Agent-based Simulation Framework to Integrate Stochastic Programming with Human Introduced Uncertainty. , 2019, , .		1
74	An Estimation of Distribution Algorithm for the 3D Bin Packing Problem with Various Bin Sizes. Lecture Notes in Computer Science, 2013, , 401-408.	1.0	1
75	Adaptive Web Presence and Evolution through Web Log Analysis. , 2009, , 12-17.		1
76	Effective precedence constrained scheduling in a make-to-order environment. International Journal of Advanced Operations Management, 2009, 1, 331.	0.3	0
77	On the $k$ -Strong Roman Domination Problem. Discrete Applied Mathematics, 2020, 285, 227-241.	0.5	0
78	Simulating a Contract Closeout Process. International Journal of Service Science, Management, Engineering, and Technology, 2012, 3, 38-59.	0.7	0
79	Adaptive Web Presence and Evolution through Web Log Analysis. , 0, , 691-698.		0