

Xueping Li

List of Publications by Year in descending order

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79
papers

1,919
citations

279798

23
h-index

276875

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.	1.0	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.	7.5	218
3	Challenges and models in supporting logistics system design for dedicated-biomass-based bioenergy industry. <i>Bioresource Technology</i> , 2011, 102, 1344-1351.	9.6	103
4	Makespan minimization on single batch-processing machine via ant colony optimization. <i>Computers and Operations Research</i> , 2012, 39, 582-593.	4.0	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.	8.9	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.	0.3	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.	8.9	59
8	Single batch processing machine scheduling with two-dimensional bin packing constraints. <i>International Journal of Production Economics</i> , 2018, 196, 113-121.	8.9	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.	1.2	44
10	Developing a value stream map to evaluate breakdown maintenance operations. <i>International Journal of Industrial and Systems Engineering</i> , 2009, 4, 229.	0.2	40
11	Cooperative maximal covering models for humanitarian relief chain management. <i>Computers and Industrial Engineering</i> , 2018, 119, 301-308.	6.3	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.	8.9	36
13	Job scheduling methods for reducing waiting time variance. <i>Computers and Operations Research</i> , 2007, 34, 3069-3083.	4.0	35
14	A comparative analysis of management accounting systems' impact on lean implementation. <i>International Journal of Technology Management</i> , 2012, 57, 33.	0.5	33
15	Coalitional game theory approach to modeling suppliers' collaboration in supply networks. <i>International Journal of Production Economics</i> , 2015, 169, 333-342.	8.9	33
16	Web server QoS models: applying scheduling rules from production planning. <i>Computers and Operations Research</i> , 2005, 32, 1147-1164.	4.0	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.	5.7	32
18	Use of Social Media by Fathers of Premature Infants. <i>Journal of Perinatal and Neonatal Nursing</i> , 2016, 30, 359-366.	0.7	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. International Journal of Production Research, 2014, 52, 5714-5734.	7.5	28
20	Minimising makespan on a single batch processing machine with dynamic job arrivals and non-identical job sizes. International Journal of Production Research, 2014, 52, 2258-2274.	7.5	27
21	Earliness-tardiness minimization on scheduling a batch processing machine with non-identical job sizes. Computers and Industrial Engineering, 2015, 87, 590-599.	6.3	27
22	A Methodology for Evaluation and Selection of Nanoparticle Manufacturing Processes Based on Sustainability Metrics. Environmental Science & Technology, 2008, 42, 6697-6702.	10.0	24
23	Prediction of Sepsis and In-Hospital Mortality Using Electronic Health Records. Methods of Information in Medicine, 2018, 57, 185-193.	1.2	24
24	Intelligent dynamic control of stochastic economic lot scheduling by agent-based reinforcement learning. International Journal of Production Research, 2012, 50, 4381-4395.	7.5	22
25	Game theory methodology for optimizing retailers' pricing and shelf-space allocation decisions on competing substitutable products. International Journal of Advanced Manufacturing Technology, 2013, 68, 375-389.	3.0	21
26	The flying sidekick traveling salesman problem with stochastic travel time: A reinforcement learning approach. Transportation Research, Part E: Logistics and Transportation Review, 2022, 164, 102816.	7.4	21
27	A hybrid differential evolution algorithm for multiple container loading problem with heterogeneous containers. Computers and Industrial Engineering, 2015, 90, 305-313.	6.3	20
28	Two level uncapacitated facility location problem with disruptions. Computers and Industrial Engineering, 2019, 137, 106089.	6.3	20
29	Optimal Distributed Generator Placement in Utility-Based Microgrids During a Large-Scale Grid Disturbance. IEEE Access, 2020, 8, 21333-21344.	4.2	19
30	Influencing factors of job waiting time variance on a single machine. European Journal of Industrial Engineering, 2007, 1, 56.	0.8	18
31	A comparative analysis of predictive data mining techniques. International Journal of Rapid Manufacturing, 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. Applied Soft Computing Journal, 2017, 52, 630-641.	7.2	18
33	Minimizing makespan in a no-wait flowshop with two batch processing machines using estimation of distribution algorithm. International Journal of Production Research, 2016, 54, 4919-4937.	7.5	17
34	AiRobSim: Simulating a Multisensor Aerial Robot for Urban Search and Rescue Operation and Training. Sensors, 2020, 20, 5223.	3.8	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. Applied Energy, 2020, 261, 114402.	10.1	17
36	An order-splitting model for supplier selection and order allocation in a multi-echelon supply chain. Computers and Operations Research, 2022, 137, 105515.	4.0	17

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37	Restricted job completion time variance minimisation on identical parallel machines. European Journal of Industrial Engineering, 2009, 3, 261.	0.8	15
38	A scheduling decision support model for minimizing the number of drones with dynamic package arrivals and personalized deadlines. Expert Systems With Applications, 2021, 167, 114157.	7.6	14
39	Job scheduling to minimize the weighted waiting time variance of jobs. Computers and Industrial Engineering, 2007, 52, 41-56.	6.3	13
40	Two-dimensional knapsack-block packing problem. Applied Mathematical Modelling, 2019, 73, 1-18.	4.2	12
41	Designing intelligent agents to support long-term partnership in two echelon e-Supply Networks. Expert Systems With Applications, 2012, 39, 13501-13508.	7.6	11
42	Optimizing green infrastructure placement under precipitation uncertainty. Omega, 2021, 100, 102196.	5.9	11
43	A General Model and Efficient Algorithms for Reliable Facility Location Problem Under Uncertain Disruptions. INFORMS Journal on Computing, 2022, 34, 407-426.	1.7	11
44	Developing an Interactive Story for Children with Asthma. Nursing Clinics of North America, 2013, 48, 271-285.	1.5	10
45	Extreme events, energy security and equality through micro- and macro-levels: Concepts, challenges and methods. Energy Research and Social Science, 2022, 85, 102401.	6.4	10
46	Geographic and energy-aware routing in Wireless Sensor Networks. International Journal of Ad Hoc and Ubiquitous Computing, 2009, 4, 61.	0.5	9
47	Response surface optimisation of surgery start times in a single operating room using designed simulation experiments. International Journal of Healthcare Technology and Management, 2013, 14, 61.	0.1	9
48	Long Short-Term Memory Networks for Facility Infrastructure Failure and Remaining Useful Life Prediction. IEEE Access, 2021, 9, 67585-67594.	4.2	9
49	Minimizing job completion time variance for service stability on identical parallel machines. Computers and Industrial Engineering, 2010, 58, 729-738.	6.3	8
50	HeMA: A hierarchically enriched machine learning approach for managing false alarms in real time: A sepsis prediction case study. Computers in Biology and Medicine, 2021, 131, 104255.	7.0	8
51	Developing iCare v.1.0. CIN - Computers Informatics Nursing, 2012, 30, 321-329.	0.5	7
52	Deriving Simulation Models from Data: Steps of Simulation Studies Revisited. , 2019, , .		7
53	Pediatric Hospice and Palliative Care. CIN - Computers Informatics Nursing, 2014, 32, 299-302.	0.5	6
54	Designing an incentive scheme within a cooperative game for consolidated hospital systems. Journal of the Operational Research Society, 2020, 71, 1073-1144.	3.4	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.	3.9	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.	0.5	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.	1.7	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.	0.5	3
64	Metamodel analysis on multi-echelon supply chain simulation experiments. International Journal of Industrial and Systems Engineering, 2010, 6, 24.	0.2	3
65	Missing Data, Data Cleansing, and Treatment From a Primary Study. CIN - Computers Informatics Nursing, 2018, 36, 367-371.	0.5	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.	1.7	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.	0.2	2
70	Strengthening Recovery: A Burn Injury-Focused Mobile App to Improve Outcomes. Health and Social Work, 2019, 44, 203-207.	1.0	2
71	Multi-stage stochastic optimization of islanded utility-microgrids design after natural disasters. Operations Research Perspectives, 2022, 9, 100235.	2.1	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.	1.3	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 $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2178" altimg="si133.svg">\langle \text{mml:mi}>k\langle \text{mml:mi}>\langle \text{mml:math}>\text{-Strong Roman Domination Problem. Discrete Applied Mathematics, 2020, 285, 227-241.}$	0.9	0
78	Simulating a Contract Closeout Process. International Journal of Service Science, Management, Engineering, and Technology, 2012, 3, 38-59.	1.1	0
79	Adaptive Web Presence and Evolution through Web Log Analysis. , 0, , 691-698.		0