

# Li Zheng

## List of Publications by Year in descending order

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69  
papers

806  
citations

516561

16  
h-index

552653

26  
g-index

69  
all docs

69  
docs citations

69  
times ranked

638  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuzzy rule-based neural network for high-speed train manufacturing system scheduling problem. <i>Neural Computing and Applications</i> , 2023, 35, 2077-2088.	3.2	4
2	Value of information sharing in a multiple producersâ€ distributor supply chain. <i>Annals of Operations Research</i> , 2020, 285, 121-148.	2.6	11
3	A column-generation-based algorithm for a resource-constrained project scheduling problem with a fractional shared resource. <i>Engineering Optimization</i> , 2020, 52, 798-816.	1.5	8
4	A two-stage robust optimization approach for the berth allocation problem under uncertainty. <i>Flexible Services and Manufacturing Journal</i> , 2020, 32, 425-452.	1.9	32
5	Faster or fewer iterations? A strategic perspective of a sequential product development project. <i>IIEE Transactions</i> , 2020, , 1-19.	1.6	2
6	An Analytical Framework for Modeling, Analysis, and Improvement of Team Communication and Collaboration Process in Primary Care Clinics. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019, 16, 1148-1162.	3.4	2
7	Modeling and Analysis of the Waiting Time of Rapid Response Process in Acute Care. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 336-343.	3.3	1
8	An integrated model for multi-resource constrained scheduling problem considering multi-product and resource-sharing. <i>International Journal of Production Research</i> , 2018, 56, 6491-6511.	4.9	12
9	Chinese consumer responses to carbon labeling: evidence from experimental auctions. <i>Journal of Environmental Planning and Management</i> , 2018, 61, 2319-2337.	2.4	11
10	Visualised Decision Support in Industrial Project Monitoring and Control. , 2018, , .		0
11	A bi-objective model for robust yard allocation scheduling for outbound containers. <i>Engineering Optimization</i> , 2017, 49, 113-135.	1.5	13
12	Transient Analysis of Geometric Serial Lines With Perishable Intermediate Products. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 149-156.	3.3	12
13	Two decision models for berth allocation problem under uncertainty considering service level. <i>Flexible Services and Manufacturing Journal</i> , 2017, 29, 312-344.	1.9	27
14	Reducing energy consumption in serial production lines with Bernoulli reliability machines. <i>International Journal of Production Research</i> , 2017, 55, 7356-7379.	4.9	41
15	Behaviour perception-based disruption models for the parallel machine capacitated lot-sizing and scheduling problem. <i>International Journal of Production Research</i> , 2017, 55, 3058-3072.	4.9	14
16	A Sub-Optimal Control Policy in a Two-Product Door Manufacturing Line With Geometric Reliability Machines. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 157-164.	3.3	8
17	An Improved L-Shaped Method for Solving Process Flexibility Design Problems. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-15.	0.6	4
18	An energy and productivity optimization model in Bernoulli serial lines. , 2016, , .		0

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19	A Decision Model for Berth Allocation Under Uncertainty Considering Service Level Using an Adaptive Differential Evolution Algorithm. <i>Asia-Pacific Journal of Operational Research</i> , 2016, 33, 1650049.	0.9	17
20	A factory-level dynamic operator allocation policy: the bubble allocation. <i>International Journal of Production Research</i> , 2016, 54, 4240-4255.	4.9	3
21	Improving energy efficiency in Bernoulli serial lines: an integrated model. <i>International Journal of Production Research</i> , 2016, 54, 3414-3428.	4.9	29
22	An improved multi-objective genetic algorithm for heterogeneous coverage RFID network planning. <i>International Journal of Production Research</i> , 2016, 54, 2227-2240.	4.9	10
23	Analysis of multi-product manufacturing systems with arbitrary processing times. <i>International Journal of Production Research</i> , 2015, 53, 983-1001.	4.9	14
24	Value-driven uncertainty-aware data processing for an RFID-enabled mixed-model assembly line. <i>International Journal of Production Economics</i> , 2015, 165, 273-281.	5.1	20
25	A hybrid Lagrangian-simulated annealing-based heuristic for the parallel-machine capacitated lot-sizing and scheduling problem with sequence-dependent setup times. <i>Computers and Operations Research</i> , 2015, 63, 72-82.	2.4	48
26	Object recognition-based automated inspection system for hose assembly. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2015, 229, 27-42.	1.5	5
27	A Lagrangian relaxation-based algorithm for the allocation of yard cranes for yard activities with different priorities. <i>Journal of Systems Science and Systems Engineering</i> , 2013, 22, 227-252.	0.8	3
28	Procurement models under purchase price uncertainty for Chinese oil refineries. <i>International Journal of Production Research</i> , 2013, 51, 2952-2968.	4.9	9
29	MIP-based fix-and-optimize algorithms for the parallel machine capacitated lot-sizing and scheduling problem. <i>International Journal of Production Research</i> , 2013, 51, 5011-5028.	4.9	33
30	The robustness of scheduling policies in multi-product manufacturing systems with sequence-dependent setup times and finite buffers. , 2012, , .		1
31	Scheduling policies in multi-product manufacturing systems with sequence-dependent setup times and finite buffers. <i>International Journal of Production Research</i> , 2012, 50, 7479-7492.	4.9	27
32	The robustness of scheduling policies in multi-product manufacturing systems with sequence-dependent setup times and finite buffers. <i>Computers and Industrial Engineering</i> , 2012, 63, 1145-1153.	3.4	29
33	Business process design: Process comparison and integration. <i>Information Systems Frontiers</i> , 2012, 14, 363-374.	4.1	8
34	Minimizing mean weighted tardiness in unrelated parallel machine scheduling with reinforcement learning. <i>Computers and Operations Research</i> , 2012, 39, 1315-1324.	2.4	52
35	Simplification of decision making matrix in fuzzy multiple attribute decision making. , 2011, , .		1
36	Scheduling policies in multi-product manufacturing systems with sequence-dependent setup times. , 2011, , .		0

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37	An overlapping decomposition method for performance analysis of the two-loop closed production system in semiconductor assembly factory. <i>International Journal of Computer Integrated Manufacturing</i> , 2011, 24, 811-820.	2.9	2
38	Multi-product manufacturing systems with sequence-dependent setups: Performance evaluation and system properties. , 2011, , .		6
39	Semiconductor final test scheduling with Sarsa( $\hat{v},k$ ) algorithm. <i>European Journal of Operational Research</i> , 2011, 215, 446-458.	3.5	26
40	A modified hybrid method of spatial credibilistic clustering and particle swarm optimization. <i>Soft Computing</i> , 2011, 15, 855-865.	2.1	7
41	A DECISION SUPPORT SYSTEM FOR THE ALLOCATION OF YARD CRANES AND BLOCKS IN CONTAINER TERMINALS. <i>Asia-Pacific Journal of Operational Research</i> , 2011, 28, 803-829.	0.9	8
42	A new practical conformance testing method based on standard. , 2011, , .		0
43	New evaluation scales of linguistic information based on normal distributions. , 2010, , .		1
44	The design of cooperative planning processes in railway bureaus based on roles, activities and time sequences. , 2010, , .		0
45	A MILP-based batch scheduling for two-stage hybrid flowshop with sequence-dependent setups in semiconductor assembly and test manufacturing. , 2010, , .		2
46	A dynamic model for serial supply chain with periodic delivery policy. <i>International Journal of Production Research</i> , 2010, 48, 821-834.	4.9	5
47	A correlated storage location assignment problem in a single-block-multi-aisles warehouse considering BOM information. <i>International Journal of Production Research</i> , 2010, 48, 1321-1338.	4.9	57
48	Attribute reduction in MADM problems based on triangular fuzzy numbers. , 2010, , .		0
49	A note to TOPSIS method in MADM problems under fuzzy environment. , 2010, , .		1
50	Spatial-based decomposition approach for the crude scheduling problem of a refinery with multiple ports and long-distance pipelines. , 2010, , .		0
51	Performance evaluation of a multi-product system with setups and dynamic scheduling policies. , 2010, , .		0
52	Reliability analysis of a novel structure in an automatic sorting system. , 2010, , .		1
53	Achieving flexibility in business process modeling using an algebraic language. , 2009, , .		2
54	Hybrid Method of Spatial Credibilistic Clustering and Particle Swarm Optimization: Discussion and Application. , 2009, , .		1

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55	Improved multi-agent system for the vehicle routing problem with time windows. Tsinghua Science and Technology, 2009, 14, 407-412.	4.1	17
56	Analysis of two-loop closed production systems. , 2009, , .		0
57	Adaptive interaction in a 3D product structure browsing system for maintenance training. Human Factors and Ergonomics in Manufacturing, 2008, 18, 14-29.	1.4	2
58	Automated Inspection of Flexible Assembly: System Design and Algorithm Research. , 2008, , .		1
59	Cycle time reduction in assembly and test manufacturing factories: A KPI driven methodology. , 2008, , .		8
60	A multi-stage modeling framework for web service composition. , 2007, , .		0
61	Hierarchical Capacity Planning With Reconfigurable Kits in Global Semiconductor Assembly and Test Manufacturing. IEEE Transactions on Automation Science and Engineering, 2007, 4, 543-552.	3.4	30
62	Study on plan of track lines in marshalling station. , 2007, , .		0
63	The Assignment of Customers in Multi-depot Vehicle Routing Problem with Fleet Size Constraint for Each Depot. , 2007, , .		1
64	Semiconductor system with multiple closed-loops constrains. , 2007, , .		2
65	Optimization of the number and positions of fixture locators in the peripheral milling of a low-rigidity workpiece. International Journal of Advanced Manufacturing Technology, 2007, 33, 668-676.	1.5	36
66	Dynamic parallel machine scheduling with mean weighted tardiness objective by Q-Learning. International Journal of Advanced Manufacturing Technology, 2007, 34, 968-980.	1.5	50
67	Improved methods for process routing in enterprise production processes in terms of sustainable development II. Tsinghua Science and Technology, 2006, 11, 693-700.	4.1	13
68	A study on calibration of coefficients in end milling forces model. International Journal of Advanced Manufacturing Technology, 2005, 25, 652-662.	1.5	16
69	Production planning with joint resources usage in semiconductor test manufacturing. , 0, , .		0