

Leyuan Shi

List of Publications by Year in descending order

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39
papers

384
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759055

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g-index

39
all docs

39
docs citations

39
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Optimization on Unrelated Parallel Machine Scheduling With Setup Times. IEEE Transactions on Automation Science and Engineering, 2023, 20, 346-360.	3.4	1
2	A new method for a class of parallel batch machine scheduling problem. Flexible Services and Manufacturing Journal, 2022, 34, 518-550.	1.9	3
3	Automatic Design of Efficient Heuristics for Two-Stage Hybrid Flow Shop Scheduling. Symmetry, 2022, 14, 632.	1.1	4
4	Workload Balancing for Production Planning With Lot Streaming and Multilevel BOM. IEEE Transactions on Automation Science and Engineering, 2021, 18, 255-268.	3.4	0
5	A Genetic Programming-Based Evolutionary Approach for Flexible Job Shop Scheduling with Multiple Process Plans. , 2020, , .		1
6	Formulation and Methods for a Class of Two-stage Flow-shop Scheduling Problem with the Batch Processor. , 2020, , .		3
7	Wafer Defect Inspection Optimization With Partial Coverage--A Numerical Approach. IEEE Transactions on Automation Science and Engineering, 2020, , 1-12.	3.4	2
8	Minimising total weighted completion time on batch and unary machines with incompatible job families. International Journal of Production Research, 2019, 57, 567-581.	4.9	5
9	Automatic Design of Dispatching Rules for Real-time optimization of Complex Production Systems. , 2019, , .		5
10	Multi-level Lot-streaming Production Planning with the Objective of Workload Balancing. , 2019, , .		1
11	A new solution approach for flow shop scheduling with an exponential time-dependent learning effect. , 2019, , .		0
12	Simulation Optimization on Complex Job Shop Scheduling with Non-Identical Job Sizes. Asia-Pacific Journal of Operational Research, 2019, 36, 1950026.	0.9	2
13	Integrated optimisation on flow-shop production with cutting stock. International Journal of Production Research, 2019, 57, 5996-6012.	4.9	9
14	A peak-over-threshold search method for global optimization. Automatica, 2018, 89, 83-91.	3.0	5
15	Customer order scheduling on batch processing machines with incompatible job families. International Journal of Production Research, 2018, 56, 795-808.	4.9	19
16	A Sequential Budget Allocation Framework for Simulation Optimization. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1185-1194.	3.4	13
17	A New Budget Allocation Framework for the Expected Opportunity Cost. Operations Research, 2017, 65, 787-803.	1.2	52
18	Flow shop scheduling with a batch processor and limited buffer. International Journal of Production Research, 2017, 55, 3217-3233.	4.9	25

#	ARTICLE	IF	CITATIONS
19	Two-stage flow shop with a batch processor and limited buffer. , 2016, , .		0
20	A machine learning-based nested partitions framework for angle selection in radiotherapy. Optimization Methods and Software, 2016, 31, 1169-1188.	1.6	0
21	Auction policy analysis: An agent-based simulation optimization model of grain market. , 2016, , .		0
22	Simulation optimization for the MRO scheduling problem based on multi-fidelity models. , 2016, , .		0
23	Production planning for a class of batch processing problem. , 2015, , .		1
24	Treatment Planning for Volumetric-Modulated Arc Therapy: Model and Heuristic Algorithms. IEEE Transactions on Automation Science and Engineering, 2015, 12, 116-126.	3.4	8
25	Selecting the Best Simulated Design With the Expected Opportunity Cost Bound. IEEE Transactions on Automatic Control, 2015, 60, 2785-2790.	3.6	21
26	Dynamic emergency logistics planning: models and heuristic algorithm. Optimization Letters, 2015, 9, 1533-1552.	0.9	32
27	An optimal opportunity cost selection procedure for a fixed number of designs. , 2014, , .		2
28	Approximation method to rank-one binary matrix factorization. , 2014, , .		6
29	An Optimal Sample Allocation Strategy for Partition-Based Random Search. IEEE Transactions on Automation Science and Engineering, 2014, 11, 177-186.	3.4	50
30	Data mining-based dispatching system for solving the local pickup and delivery problem. Annals of Operations Research, 2013, 203, 351-370.	2.6	17
31	Integrated operating room scheduling optimization under particularly workload constrain of surgeon. , 2013, , .		1
32	Mixed integer programming in production planning with backlogging and setup carryover: modeling and algorithms. Discrete Event Dynamic Systems: Theory and Applications, 2013, 23, 211-239.	0.6	18
33	Evaluation of improvement probability for IMRT plans. , 2013, , .		0
34	A hybrid nested partitions algorithm for scheduling flexible resource in flow shop problem. International Journal of Production Research, 2012, 50, 2555-2569.	4.9	6
35	On the equivalence of strong formulations for capacitated multi-level lot sizing problems with setup times. Journal of Global Optimization, 2012, 53, 615-639.	1.1	15
36	An MIP-based interval heuristic for the capacitated multi-level lot-sizing problem with setup times. Annals of Operations Research, 2012, 196, 635-650.	2.6	23

#	ARTICLE	IF	CITATIONS
37	A lower and upper bound guided nested partitions method for solving capacitated multi-level production planning problems. , 2011, , .		1
38	Optimizing local pickup and delivery with uncertain loads. , 2011, , .		1
39	Mathematical models for capacitated multi-level production planning problems with linked lot sizes. International Journal of Production Research, 2011, 49, 6227-6247.	4.9	32