Xin-Yu Li

List of Publications by Year
in descending order

228	10,573	26567	38300
papers	citations	56	95
		h-index	g-index

228	228	228	6007
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unsupervised Image Anomaly Detection and Segmentation Based on Pretrained Feature Mapping. IEEE Transactions on Industrial Informatics, 2023, 19, 2330-2339.	7.2	14
2	An Effective Solution Space Clipping-Based Algorithm for Large-Scale Permutation Flow Shop Scheduling Problem. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 635-646.	5.9	4
3	ε-Constrained Differential Evolution Using an Adaptive ε-Level Control Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 769-785.	5.9	14
4	A new ensemble convolutional neural network with diversity regularization for fault diagnosis. Journal of Manufacturing Systems, 2022, 62, 964-971.	7.6	30
5	Energy-Efficient Robotic Parallel Disassembly Sequence Planning for End-of-Life Products. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1277-1285.	3.4	8
6	Industrial Image Anomaly Localization Based on Gaussian Clustering of Pretrained Feature. IEEE Transactions on Industrial Electronics, 2022, 69, 6182-6192.	5.2	24
7	A Discrete Artificial Bee Colony Algorithm for Multiobjective Disassembly Line Balancing of End-of-Life Products. IEEE Transactions on Cybernetics, 2022, 52, 7415-7426.	6.2	30
8	An effective multi-objective whale swarm algorithm for energy-efficient scheduling of distributed welding flow shop. Annals of Operations Research, 2022, 310, 223-255.	2.6	31
9	A Review on Recent Advances in Vision-based Defect Recognition towards Industrial Intelligence. Journal of Manufacturing Systems, 2022, 62, 753-766.	7.6	67
10	Toward Safe Human–Robot Interaction: A Fast- Response Admittance Control Method for Series Elastic Actuator. IEEE Transactions on Automation Science and Engineering, 2022, 19, 919-932.	3.4	5
11	Modeling and Balancing for Disassembly Lines Considering Workers With Different Efficiencies. IEEE Transactions on Cybernetics, 2022, 52, 11758-11771.	6.2	14
12	Resetting Weight Vectors in MOEA/D for Multiobjective Optimization Problems With Discontinuous Pareto Front. IEEE Transactions on Cybernetics, 2022, 52, 9770-9783.	6.2	8
13	A New Semi-Supervised Fault Diagnosis Method via Deep CORAL and Transfer Component Analysis. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 690-699.	3.4	15
14	An improved grey wolf optimizer for welding shop inverse scheduling. Computers and Industrial Engineering, 2022, 163, 107809.	3.4	10
15	An Early Fault Detection Method of Rotating Machines Based on Unsupervised Sequence Segmentation Convolutional Neural Network. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	17
16	Multiple surrogates and offspring-assisted differential evolution for high-dimensional expensive problems. Information Sciences, 2022, 592, 174-191.	4.0	12
17	A Graph Guided Convolutional Neural Network for Surface Defect Recognition. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1392-1404.	3.4	4
18	Integrated Production and Transportation Scheduling Method in Hybrid Flow Shop. Chinese Journal of Mechanical Engineering (English Edition), 2022, 35, .	1.9	21

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19	Online Gait Generation Method Based on Neural Network for Humanoid Robot Fast Walking on Uneven Terrain. International Journal of Control, Automation and Systems, 2022, 20, 941-955.	1.6	5
20	An efficient critical path based method for permutation flow shop scheduling problem. Journal of Manufacturing Systems, 2022, 63, 344-353.	7.6	6
21	Self-organizing Cascade Neural Network Based on Differential Evolution with Better and Nearest Option for System Modeling. International Journal of Control, Automation and Systems, 2022, 20, 1706-1722.	1.6	0
22	A multiobjective memetic algorithm for integrated process planning and scheduling problem in distributed heterogeneous manufacturing systems. Memetic Computing, 2022, 14, 193-209.	2.7	5
23	A hybrid algorithm with a new neighborhood structure for job shop scheduling problems. Computers and Industrial Engineering, 2022, 169, 108205.	3.4	14
24	A new automatic convolutional neural network based on deep reinforcement learning for fault diagnosis. Frontiers of Mechanical Engineering, 2022, 17, .	2.5	3
25	A Modified Genetic Algorithm With New Encoding and Decoding Methods for Integrated Process Planning and Scheduling Problem. IEEE Transactions on Cybernetics, 2021, 51, 4429-4438.	6.2	44
26	Modeling and Balancing for Green Disassembly Line Using Associated Parts Precedence Graph and Multi-objective Genetic Simulated Annealing. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 1597-1613.	2.7	16
27	Interval Type-2 Fuzzy Logic PID Controller Based on Differential Evolution with Better and Nearest Option for Hydraulic Serial Elastic Actuator. International Journal of Control, Automation and Systems, 2021, 19, 1113-1132.	1.6	10
28	A new graph-based semi-supervised method for surface defect classification. Robotics and Computer-Integrated Manufacturing, 2021, 68, 102083.	6.1	38
29	A Generative Adversarial Network Based Deep Learning Method for Low-Quality Defect Image Reconstruction and Recognition. IEEE Transactions on Industrial Informatics, 2021, 17, 3231-3240.	7.2	49
30	An improved simulated annealing algorithm based on residual network for permutation flow shop scheduling. Complex & Intelligent Systems, 2021, 7, 1173-1183.	4.0	23
31	Sustainable scheduling of distributed permutation flow-shop with non-identical factory using a knowledge-based multi-objective memetic optimization algorithm. Swarm and Evolutionary Computation, 2021, 60, 100803.	4.5	53
32	Mathematical modeling and a hybrid evolutionary algorithm for process planning. Journal of Intelligent Manufacturing, 2021, 32, 781-797.	4.4	25
33	A two-layer surrogate-assisted differential evolution with better and nearest option for optimizing the spring of hydraulic series elastic actuator. Applied Soft Computing Journal, 2021, 100, 107001.	4.1	4
34	A Genetic Algorithm-Based Ensemble Convolutional Neural Networks for Defect Recognition with Small-Scale Samples. Lecture Notes in Computer Science, 2021, , 390-398.	1.0	1
35	Partial Distillation of Deep Feature for Unsupervised Image Anomaly Detection and Segmentation. Lecture Notes in Computer Science, 2021, , 238-250.	1.0	0
36	An Improved Genetic Algorithm for Distributed Job Shop Scheduling Problem. Lecture Notes in Computer Science, 2021, , 37-47.	1.0	2

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37	A Hybrid Algorithm for Multi-objective Permutation Flow Shop Scheduling Problem with Setup Times. Lecture Notes in Computer Science, 2021, , 34-44.	1.0	0
38	A Threshold-Control Generative Adversarial Network Method for Intelligent Fault Diagnosis. Complex System Modeling and Simulation, 2021, 1, 55-64.	3.2	9
39	A Novel Auto-LSTM-Based State of Health Estimation Method for Lithium-Ion Batteries. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	1.1	4
40	A discrete artificial bee colony algorithm for the distributed heterogeneous no-wait flowshop scheduling problem. Applied Soft Computing Journal, 2021, 100, 106946.	4.1	42
41	Time Series Classification by Shapelet Dictionary Learning with SVM-Based Ensemble Classifier. Computational Intelligence and Neuroscience, 2021, 2021, 1-13.	1.1	2
42	Energy-efficient distributed heterogeneous welding flow shop scheduling problem using a modified MOEA/D. Swarm and Evolutionary Computation, 2021, 62, 100858.	4.5	64
43	A Discrete Grey Wolf Optimizer for Solving Flexible Job Shop Scheduling Problem with Lot-streaming. , 2021, , .		2
44	Development of Admittance Control Method with Parameter Self-optimization for Hydraulic Series Elastic Actuator. International Journal of Control, Automation and Systems, 2021, 19, 2357-2372.	1.6	4
45	A Novel MILP Model Based on the Topology of a Network Graph for Process Planning in an Intelligent Manufacturing System. Engineering, 2021, 7, 807-817.	3.2	18
46	Disassembly sequence planning based on a modified grey wolf optimizer. International Journal of Advanced Manufacturing Technology, 2021, 116, 3731-3750.	1.5	8
47	A genetic simulated annealing algorithm for parallel partial disassembly line balancing problem. Applied Soft Computing Journal, 2021, 107, 107404.	4.1	74
48	Ensemble of Dynamic Resource Allocation Strategies for Decomposition-Based Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2021, 25, 710-723.	7.5	14
49	Mathematical model and discrete artificial Bee Colony algorithm for distributed integrated process planning and scheduling. Journal of Manufacturing Systems, 2021, 61, 300-310.	7.6	14
50	A new Feature-Fusion method based on training dataset prototype for surface defect recognition. Advanced Engineering Informatics, 2021, 50, 101392.	4.0	12
51	Energy-Efficient Scheduling of Distributed Flow Shop With Heterogeneous Factories: A Real-World Case From Automobile Industry in China. IEEE Transactions on Industrial Informatics, 2021, 17, 6687-6696.	7.2	77
52	A New Reinforcement Learning Based Learning Rate Scheduler for Convolutional Neural Network in Fault Classification. IEEE Transactions on Industrial Electronics, 2021, 68, 12890-12900.	5.2	67
53	Convolutional Neural Network With Automatic Learning Rate Scheduler for Fault Classification. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	33
54	A New Graph-Based Method for Class Imbalance in Surface Defect Recognition. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	2.4	6

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55	A discrete artificial bee colony algorithm for distributed hybrid flowshop scheduling problem with sequence-dependent setup times. International Journal of Production Research, 2021, 59, 3880-3899.	4.9	60
56	Whale swarm algorithm with the mechanism of identifying and escaping from extreme points for multimodal function optimization. Neural Computing and Applications, 2020, 32, 5071-5091.	3.2	14
57	A New Two-Level Hierarchical Diagnosis Network Based on Convolutional Neural Network. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 330-338.	2.4	87
58	A Three-Stage Multiobjective Approach Based on Decomposition for an Energy-Efficient Hybrid Flow Shop Scheduling Problem. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4984-4999.	5.9	100
59	Efficient Generalized Surrogate-Assisted Evolutionary Algorithm for High-Dimensional Expensive Problems. IEEE Transactions on Evolutionary Computation, 2020, 24, 365-379.	7.5	96
60	A transfer convolutional neural network for fault diagnosis based on ResNet-50. Neural Computing and Applications, 2020, 32, 6111-6124.	3.2	365
61	A zero-shot learning method for fault diagnosis under unknown working loads. Journal of Intelligent Manufacturing, 2020, 31, 899-909.	4.4	33
62	A semi-supervised convolutional neural network-based method for steel surface defect recognition. Robotics and Computer-Integrated Manufacturing, 2020, 61, 101825.	6.1	112
63	Intelligent fault diagnosis of rotating machinery using a new ensemble deep auto-encoder method. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107232.	2.5	54
64	A Multilevel Information Fusion-Based Deep Learning Method for Vision-Based Defect Recognition. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3980-3991.	2.4	53
65	Dynamic flexible job shop scheduling method based on improved gene expression programming. Measurement and Control, 2020, , 002029402094635.	0.9	9
66	Low-delay Admittance Control of Hydraulic Series Elastic Actuator for Safe Human-Robot Collaboration. Procedia Manufacturing, 2020, 48, 147-153.	1.9	2
67	Some new trends of intelligent simulation optimization and scheduling in intelligent manufacturing. Service Oriented Computing and Applications, 2020, 14, 149-151.	1.3	3
68	Improving Computer-Aided Cervical Cells Classification Using Transfer Learning Based Snapshot Ensemble. Applied Sciences (Switzerland), 2020, 10, 7292.	1.3	18
69	Knowledge Graph-guided Convolutional Neural Network for Surface Defect Recognition. , 2020, , .		7
70	Adaptive Delay Compensation for Admittance Control of Hydraulic Series Elastic Actuator. , 2020, , .		3
71	Chaotic-based grey wolf optimizer for numerical and engineering optimization problems. Memetic Computing, 2020, 12, 371-398.	2.7	26
72	A Novel Point Cloud Encoding Method Based on Local Information for 3D Classification and Segmentation. Sensors, 2020, 20, 2501.	2.1	9

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73	Effective Methods for Integrated Process Planning and Scheduling. Engineering Applications of Computational Methods, 2020, , .	0.5	3
74	Modified honey bees mating optimization algorithm for multi-objective uncertain integrated process planning and scheduling problem. International Journal of Advanced Robotic Systems, 2020, 17, 172988142092523.	1.3	10
75	Ensemble deep contractive auto-encoders for intelligent fault diagnosis of machines under noisy environment. Knowledge-Based Systems, 2020, 196, 105764.	4.0	46
76	An improved artificial bee colony algorithm for distributed heterogeneous hybrid flowshop scheduling problem with sequence-dependent setup times. Computers and Industrial Engineering, 2020, 147, 106638.	3.4	69
77	Discriminative stacked autoencoder for feature representation and classification. Science China Information Sciences, 2020, 63, 1.	2.7	5
78	A multi-objective algorithm for U-shaped disassembly line balancing with partial destructive mode. Neural Computing and Applications, 2020, 32, 12715-12736.	3.2	39
79	A novel robotic grasp detection method based on region proposal networks. Robotics and Computer-Integrated Manufacturing, 2020, 65, 101963.	6.1	57
80	A Hybrid Genetic Algorithm and Tabu Search for Multi-objective Dynamic JSP. Engineering Applications of Computational Methods, 2020, , 377-403.	0.5	2
81	Review for Flexible Job Shop Scheduling. Engineering Applications of Computational Methods, 2020, , 17-45.	0.5	7
82	Energy consumption and profit-oriented disassembly line balancing for waste electrical and electronic equipment. Journal of Cleaner Production, 2020, 265, 121829.	4.6	37
83	Energy-efficient distributed permutation flow shop scheduling problem using a multi-objective whale swarm algorithm. Swarm and Evolutionary Computation, 2020, 57, 100716.	4.5	74
84	Anomalies in Special Permutation Flow Shop Scheduling Problems. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	1.9	6
85	An Agent-Based Approach for IPPS. Engineering Applications of Computational Methods, 2020, , 191-208.	0.5	3
86	Introduction for Integrated Process Planning and Scheduling. Engineering Applications of Computational Methods, 2020, , 1-15.	0.5	1
87	A Hybrid Algorithm for Job Shop Scheduling Problem. Engineering Applications of Computational Methods, 2020, , 107-131.	0.5	0
88	An Effective Genetic Algorithm for Multi-objective IPPS with Various Flexibilities in Process Planning. Engineering Applications of Computational Methods, 2020, , 301-322.	0.5	0
89	Application of Game Theory-Based Hybrid Algorithm for Multi-objective IPPS. Engineering Applications of Computational Methods, 2020, , 323-343.	0.5	0
90	Review for Integrated Process Planning and Scheduling. Engineering Applications of Computational Methods, 2020, , 47-59.	0.5	1

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91	A Hybrid Genetic Algorithm with Variable Neighborhood Search for Dynamic IPPS. Engineering Applications of Computational Methods, 2020, , 429-453.	0.5	1
92	A Hybrid Intelligent Algorithm and Rescheduling Technique for Dynamic JSP. Engineering Applications of Computational Methods, 2020, , 345-375.	0.5	1
93	A New Semi-Supervised Deep Learning Approach for Intelligent Defects Recognition. , 2020, , .		0
94	Hybrid optimization algorithms by various structures for a real-world inverse scheduling problem with uncertain due-dates under single-machine shop systems. Neural Computing and Applications, 2019, 31, 4595-4612.	3.2	12
95	Differential Evolution with Better and Nearest Option for Function Optimization. , 2019, , .		4
96	A multiobjective evolutionary algorithm based on decomposition for hybrid flowshop green scheduling problem. Computers and Industrial Engineering, 2019, 136, 325-344.	3.4	72
97	New Trends in Intelligent Manufacturing. Engineering, 2019, 5, 619-620.	3.2	16
98	Fault Diagnosis Using Unsupervised Transfer Learning Based on Adversarial Network. , 2019, , .		7
99	An improved Q-learning based rescheduling method for flexible job-shops with machine failures. , 2019, , .		18
100	Green Job Shop Scheduling Problem with Machine at Different Speeds using a multi-objective grey wolf optimization algorithm. , 2019, , .		3
101	A Modified Iterated Greedy Algorithm for Flexible Job Shop Scheduling Problem. Chinese Journal of Mechanical Engineering (English Edition), 2019, 32, .	1.9	28
102	Position Control of Hydraulic Series Elastic Actuator with Parameter Self-Optimization. , 2019, , .		6
103	Effective heuristics and metaheuristics to minimize total flowtime for the distributed permutation flowshop problem. Expert Systems With Applications, 2019, 124, 309-324.	4.4	196
104	A multi-start variable neighbourhood descent algorithm for hybrid flowshop rescheduling. Swarm and Evolutionary Computation, 2019, 45, 92-112.	4.5	70
105	Kinematic calibration method for a two-segment hydraulic leg based on an improved whale swarm algorithm. Robotics and Computer-Integrated Manufacturing, 2019, 59, 361-372.	6.1	17
106	A decomposition based evolutionary algorithm with direction vector adaption and selection enhancement. Information Sciences, 2019, 501, 248-271.	4.0	20
107	An Effective Encoding Method Based on Local Information for 3D Point Cloud Classification. IEEE Access, 2019, 7, 39369-39377.	2.6	5
108	A decomposition and statistical learning based many-objective artificial bee colony optimizer. Information Sciences, 2019, 496, 82-108.	4.0	20

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109	Effective constructive heuristics and meta-heuristics for the distributed assembly permutation flowshop scheduling problem. Applied Soft Computing Journal, 2019, 81, 105492.	4.1	103
110	Surrogate-guided differential evolution algorithm for high dimensional expensive problems. Swarm and Evolutionary Computation, 2019, 48, 288-311.	4.5	69
111	Particle swarm optimization hybridized with genetic algorithm for uncertain integrated process planning and scheduling with interval processing time. Computers and Industrial Engineering, 2019, 135, 1036-1046.	3.4	43
112	Partial disassembly line balancing for energy consumption and profit under uncertainty. Robotics and Computer-Integrated Manufacturing, 2019, 59, 235-251.	6.1	47
113	Mathematical modeling and a discrete artificial bee colony algorithm for the welding shop scheduling problem. Memetic Computing, 2019, 11, 371-389.	2.7	25
114	A multi-objective discrete flower pollination algorithm for stochastic two-sided partial disassembly line balancing problem. Computers and Industrial Engineering, 2019, 130, 634-649.	3.4	89
115	A New Snapshot Ensemble Convolutional Neural Network for Fault Diagnosis. IEEE Access, 2019, 7, 32037-32047.	2.6	32
116	A Variable Iterated Local Search Algorithm for Energy-Efficient No-idle Flowshop Scheduling Problem. Procedia Manufacturing, 2019, 39, 1185-1193.	1.9	10
117	Unsupervised fault diagnosis method based on iterative multi€manifold spectral clustering. IET Collaborative Intelligent Manufacturing, 2019, 1, 48-55.	1.9	18
118	Multi-Objective Flexible Job Shop Scheduling Problem Considering Machine Switching Off-On Operation. Procedia Manufacturing, 2019, 39, 1167-1176.	1.9	10
119	A Hierarchical Feature Fusion-based Method for Defect Recognition with a Small Sample. , 2019, , .		5
120	A random forest-based job shop rescheduling decision model with machine failures. Journal of Ambient Intelligence and Humanized Computing, 2019, , 1.	3.3	3
121	Review on flexible job shop scheduling. IET Collaborative Intelligent Manufacturing, 2019, 1, 67-77.	1.9	106
122	A Multi-Objective Whale Swarm Algorithm for Energy-Efficient Distributed Permutation Flow shop Scheduling Problem with Sequence Dependent Setup Times. IFAC-PapersOnLine, 2019, 52, 235-240.	0.5	13
123	An interval type-2 fuzzy logic controller design method for hydraulic actuators of a human-like robot by using improved drone squadron optimization. International Journal of Advanced Robotic Systems, 2019, 16, 172988141989155.	1.3	8
124	A New Spectral Clustering Based on Particle Swarm Optimization for Unsupervised Fault Diagnosis of Bearings. , 2019, , .		3
125	An Effective Hybrid Genetic Algorithm and Variable Neighborhood Search for Integrated Process Planning and Scheduling in a Packaging Machine Workshop. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1933-1945.	5.9	90
126	Modeling and optimization of multi-objective partial disassembly line balancing problem considering hazard and profit. Journal of Cleaner Production, 2019, 211, 115-133.	4.6	77

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127	Tasks assigning and sequencing of multiple AGVs based on an improved harmony search algorithm. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 4533-4546.	3.3	31
128	An on-line variable-fidelity surrogate-assisted harmony search algorithm with multi-level screening strategy for expensive engineering design optimization. Knowledge-Based Systems, 2019, 170, 1-19.	4.0	33
129	A multi-objective cellular grey wolf optimizer for hybrid flowshop scheduling problem considering noise pollution. Applied Soft Computing Journal, 2019, 75, 728-749.	4.1	118
130	A New Deep Transfer Learning Based on Sparse Auto-Encoder for Fault Diagnosis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 136-144.	5.9	731
131	Parallel chaotic local search enhanced harmony search algorithm for engineering design optimization. Journal of Intelligent Manufacturing, 2019, 30, 405-428.	4.4	48
132	The Harris hawks, grasshopper and multi-verse optimization algorithms for the selection of optimal machining parameters in manufacturing operations. Materialpruefung/Materials Testing, 2019, 61, 725-733.	0.8	74
133	An effective L-MONG algorithm for solving multi-objective flow-shop inverse scheduling problems. Journal of Intelligent Manufacturing, 2018, 29, 789-807.	4.4	13
134	Engineering design optimization using an improved local search based epsilon differential evolution algorithm. Journal of Intelligent Manufacturing, 2018, 29, 1559-1580.	4.4	21
135	Imbalanced data fault diagnosis of rotating machinery using synthetic oversampling and feature learning. Journal of Manufacturing Systems, 2018, 48, 34-50.	7.6	154
136	A New Convolutional Neural Network-Based Data-Driven Fault Diagnosis Method. IEEE Transactions on Industrial Electronics, 2018, 65, 5990-5998.	5.2	1,381
137	A new AGV scheduling algorithm based on harmony search for material transfer in a real-world manufacturing system. Advances in Mechanical Engineering, 2018, 10, 168781401876556.	0.8	32
138	A Jointed Signal Analysis and Convolutional Neural Network Method for Fault Diagnosis. Procedia CIRP, 2018, 72, 1084-1087.	1.0	20
139	An Effective Hybrid Algorithm for Permutation Flow Shop Scheduling Problem with Setup Time. Procedia CIRP, 2018, 72, 1288-1292.	1.0	10
140	A New Ensemble Approach based on Deep Convolutional Neural Networks for Steel Surface Defect classification. Procedia CIRP, 2018, 72, 1069-1072.	1.0	36
141	Optimized tool path planning for five-axis flank milling of ruled surfaces using geometric decomposition strategy and multi-population harmony search algorithm. Applied Soft Computing Journal, 2018, 73, 547-561.	4.1	22
142	A hybrid multi-objective evolutionary algorithm with feedback mechanism. Applied Intelligence, 2018, 48, 4149-4173.	3.3	11
143	An Effective Multiobjective Algorithm for Energy-Efficient Scheduling in a Real-Life Welding Shop. IEEE Transactions on Industrial Informatics, 2018, 14, 5400-5409.	7.2	86
144	A new subset based deep feature learning method for intelligent fault diagnosis of bearing. Expert Systems With Applications, 2018, 110, 125-142.	4.4	74

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146	Construction of nested maximin designs based on successive local enumeration and modified novel global harmony search algorithm. Engineering Optimization, 2017, 49, 161-180.	1.5	17
147	Multi-objective inverse scheduling optimization of single-machine shop system with uncertain due-dates and processing times. Cluster Computing, 2017, 20, 371-390.	3.5	16
148	Effective metaheuristics for scheduling a hybrid flowshop with sequence-dependent setup times. Applied Mathematics and Computation, 2017, 303, 89-112.	1.4	103
149	A dynamic parameter controlled harmony search algorithm for assembly sequence planning. International Journal of Advanced Manufacturing Technology, 2017, 92, 3399-3411.	1.5	11
150	Adaptive Differential Evolution With Sorting Crossover Rate for Continuous Optimization Problems. IEEE Transactions on Cybernetics, 2017, 47, 2742-2753.	6.2	113
151	Energy-efficient job shop scheduling problem with variable spindle speed using a novel multi-objective algorithm. Advances in Mechanical Engineering, 2017, 9, 168781401769595.	0.8	43
152	An effective multi-objective discrete virus optimization algorithm for flexible job-shop scheduling problem with controllable processing times. Computers and Industrial Engineering, 2017, 104, 156-174.	3.4	132
153	Energy-efficient permutation flow shop scheduling problem using a hybrid multi-objective backtracking search algorithm. Journal of Cleaner Production, 2017, 144, 228-238.	4.6	220
154	A novel mathematical model and multi-objective method for the low-carbon flexible job shop scheduling problem. Sustainable Computing: Informatics and Systems, 2017, 13, 15-30.	1.6	98
155	A hybrid multi-objective grey wolf optimizer for dynamic scheduling in a real-world welding industry. Engineering Applications of Artificial Intelligence, 2017, 57, 61-79.	4.3	146
156	IHSCR: Energy-efficient clustering and routing for wireless sensor networks based on harmony search algorithm. International Journal of Distributed Sensor Networks, 2017, 13, 155014771774110.	1.3	14
157	An improved genetic algorithm with rolling window technology for dynamic integrated process planning and scheduling problem. , 2017, , .		1
158	A hybrid backtracking search algorithm for permutation flow-shop scheduling problem minimizing makespan and energy consumption. , 2017, , .		8
159	An Efficient Multiobjective Backtracking Search Algorithm for Single Machine Scheduling with Controllable Processing Times. Mathematical Problems in Engineering, 2017, 2017, 1-24.	0.6	6
160	A Novel Data-Driven Fault Diagnosis Method Based on Deep Learning. Lecture Notes in Computer Science, 2017, , 442-452.	1.0	2
161	Whale Swarm Algorithm for Function Optimization. Lecture Notes in Computer Science, 2017, , 624-639.	1.0	21
162	Modeling and impact factors analyzing of energy consumption in CNC face milling using GRASP gene expression programming. International Journal of Advanced Manufacturing Technology, 2016, 87, 1247-1263.	1.5	22

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164	Energy-Efficient Scheduling Problem Using an Effective Hybrid Multi-Objective Evolutionary Algorithm. Sustainability, 2016, 8, 1268.	1.6	27
165	A hybrid genetic algorithm with variable neighborhood search for dynamic integrated process planning and scheduling. Computers and Industrial Engineering, 2016, 102, 99-112.	3.4	47
166	A new improved fruit fly optimization algorithm for traveling salesman problem. , 2016, , .		4
167	Service-oriented disassembly sequence planning for electrical and electronic equipment waste. Electronic Commerce Research and Applications, 2016, 20, 59-68.	2.5	20
168	Energy-efficient multi-pass turning operation using multi-objective backtracking search algorithm. Journal of Cleaner Production, 2016, 137, 1516-1531.	4.6	70
169	An effective multi-objective discrete grey wolf optimizer for a real-world scheduling problem in welding production. Advances in Engineering Software, 2016, 99, 161-176.	1.8	105
170	Surface roughness prediction in end milling by using predicted point oriented local linear estimation method. International Journal of Advanced Manufacturing Technology, 2016, 84, 2523-2535.	1.5	5
171	An effective hybrid genetic algorithm and tabu search for flexible job shop scheduling problem. International Journal of Production Economics, 2016, 174, 93-110.	5.1	387
172	Analysis of mutation vectors selection mechanism in differential evolution. Applied Intelligence, 2016, 44, 904-912.	3.3	7
173	Îµ constrained differential evolution with pre-estimated comparison using gradient-based approximation for constrained optimization problems. Expert Systems With Applications, 2016, 44, 37-49.	4.4	17
174	An efficient modified harmony search algorithm with intersect mutation operator and cellular local search for continuous function optimization problems. Applied Intelligence, 2016, 44, 725-753.	3.3	36
175	An improved adaptive differential evolution algorithm for continuous optimization. Expert Systems With Applications, 2016, 44, 1-12.	4.4	67
176	Assembly sequence planning based on an improved harmony search algorithm. International Journal of Advanced Manufacturing Technology, 2016, 84, 2367-2380.	1.5	34
177	Optimisation of the reverse scheduling problem by a modified genetic algorithm. International Journal of Production Research, 2015, 53, 6980-6993.	4.9	3
178	A new differential evolution algorithm with a hybrid mutation operator and self-adapting control parameters for global optimization problems. Applied Intelligence, 2015, 42, 642-660.	3.3	62
179	Backtracking Search Algorithm with three constraint handling methods for constrained optimization problems. Expert Systems With Applications, 2015, 42, 7831-7845.	4.4	67
180	A hybrid backtracking search algorithm for permutation flow-shop scheduling problem. Computers and Industrial Engineering, 2015, 85, 437-446.	3.4	72

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182	An effective teaching-learning-based cuckoo search algorithm for parameter optimization problems in structure designing and machining processes. Applied Soft Computing Journal, 2015, 36, 349-356.	4.1	102
183	A hybrid algorithm based on a new neighborhood structure evaluation method for job shop scheduling problem. Computers and Industrial Engineering, 2015, 88, 417-429.	3.4	48
184	A priority-based heuristic algorithm (PBHA) for optimizing integrated process planning and scheduling problem. Cogent Engineering, 2015, 2, 1070494.	1.1	10
185	Optimization of multi-objective integrated process planning and scheduling problem using a priority based optimization algorithm. Frontiers of Mechanical Engineering, 2015, 10, 392-404.	2.5	8
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