Xin-Yu Li

List of Publications by Year in Descending Order

212 papers	6,289 citations	44 h-index	73 g-index
228 ext. papers	8,194 ext. citations	5.1 avg, IF	7.01 L-index

#	Paper	IF	Citations
212	Multiple surrogates and offspring-assisted differential evolution for high-dimensional expensive problems. *Information Sciences*, **2022**, 592, 174-191	7.7	1
211	A Graph Guided Convolutional Neural Network for Surface Defect Recognition. *IEEE Transactions on Automation Science and Engineering*, **2022**, 1-13	4.9	
210	Integrated Production and Transportation Scheduling Method in Hybrid Flow Shop. *Chinese Journal of Mechanical Engineering (English Edition)*, **2022**, 35,	2.5	1
209	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	2.9	0
208	An efficient critical path based method for permutation flow shop scheduling problem. *Journal of Manufacturing Systems*, **2022**, 63, 344-353	9.1	0
207	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	2.9	
206	A multiobjective memetic algorithm for integrated process planning and scheduling problem in distributed heterogeneous manufacturing systems. *Memetic Computing*, **2022**, 14, 193-209	3.4	
205	A Hybrid Algorithm with a New Neighborhood Structure for Job Shop Scheduling Problems. *Computers and Industrial Engineering*, **2022**, 108205	6.4	1
204	An improved grey wolf optimizer for welding shop inverse scheduling. *Computers and Industrial Engineering*, **2021**, 107809	6.4	2
203	An Early Fault Detection Method of Rotating Machines Based on Unsupervised Sequence Segmentation Convolutional Neural Network. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 1-1	5.2	6
202	A New Semi-Supervised Fault Diagnosis Method via Deep CORAL and Transfer Component Analysis. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2021**, 1-10	4.1	1
201	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	7.8	22
200	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	10.2	15
199	A discrete artificial bee colony algorithm for the distributed heterogeneous no-wait flowshop scheduling problem. *Applied Soft Computing Journal*, **2021**, 100, 106946	7.5	11
198	Time Series Classification by Shapelet Dictionary Learning with SVM-Based Ensemble Classifier. *Computational Intelligence and Neuroscience*, **2021**, 2021, 1-13	3	0
197	Energy-efficient distributed heterogeneous welding flow shop scheduling problem using a modified MOEA/D. *Swarm and Evolutionary Computation*, **2021**, 62, 100858	9.8	12
196	A Review on Recent Advances in Vision-based Defect Recognition towards Industrial Intelligence. *Journal of Manufacturing Systems*, **2021**, 62, 753-753	9.1	12

195	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	2.9	1
194	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	9.7	5
193	Disassembly sequence planning based on a modified grey wolf optimizer. *International Journal of Advanced Manufacturing Technology*, **2021**, 116, 3731-3750	3.2	0
192	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	2.9	4
191	A new graph-based semi-supervised method for surface defect classification. *Robotics and Computer-Integrated Manufacturing*, **2021**, 68, 102083	9.2	18
190	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	11.9	19
189	An improved simulated annealing algorithm based on residual network for permutation flow shop scheduling. *Complex & Intelligent Systems*, **2021**, 7, 1173-1183	7.1	9
188	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	9.8	23
187	Mathematical modeling and a hybrid evolutionary algorithm for process planning. *Journal of Intelligent Manufacturing*, **2021**, 32, 781-797	6.7	11
186	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	7.5	0
185	A Genetic Algorithm-Based Ensemble Convolutional Neural Networks for Defect Recognition with Small-Scale Samples. *Lecture Notes in Computer Science*, **2021**, 390-398	0.9	
184	Energy-Efficient Robotic Parallel Disassembly Sequence Planning for End-of-Life Products. *IEEE Transactions on Automation Science and Engineering*, **2021**, 1-9	4.9	1
183	Industrial Image Anomaly Localization Based on Gaussian Clustering of Pre-trained Feature. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
182	Partial Distillation of Deep Feature for Unsupervised Image Anomaly Detection and Segmentation. *Lecture Notes in Computer Science*, **2021**, 238-250	0.9	
181	A Discrete Artificial Bee Colony Algorithm for Multiobjective Disassembly Line Balancing of End-of-Life Products. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	7
180	An Improved Genetic Algorithm for Distributed Job Shop Scheduling Problem. *Lecture Notes in Computer Science*, **2021**, 37-47	0.9	0
179	A Hybrid Algorithm for Multi-objective Permutation Flow Shop Scheduling Problem with Setup Times. *Lecture Notes in Computer Science*, **2021**, 34-44	0.9	
178	A Threshold-Control Generative Adversarial Network Method for Intelligent Fault Diagnosis. *Complex System Modeling and Simulation*, **2021**, 1, 55-64		3

177	A genetic simulated annealing algorithm for parallel partial disassembly line balancing problem. *Applied Soft Computing Journal*, **2021**, 107, 107404	7.5	19
176	Ensemble of Dynamic Resource Allocation Strategies for Decomposition-Based Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 710-723	15.6	5
175	Mathematical model and discrete artificial Bee Colony algorithm for distributed integrated process planning and scheduling. *Journal of Manufacturing Systems*, **2021**, 61, 300-310	9.1	3
174	A new Feature-Fusion method based on training dataset prototype for surface defect recognition. *Advanced Engineering Informatics*, **2021**, 50, 101392	7.4	2
173	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	11.9	25
172	A New Reinforcement Learning Based Learning Rate Scheduler for Convolutional Neural Network in Fault Classification. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 12890-12900	8.9	20
171	Convolutional Neural Network With Automatic Learning Rate Scheduler for Fault Classification. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-12	5.2	14
170	Toward Safe Human-Robot Interaction: A Fast-Response Admittance Control Method for Series Elastic Actuator. *IEEE Transactions on Automation Science and Engineering*, **2021**, 1-14	4.9	1
169	A New Graph-Based Method for Class Imbalance in Surface Defect Recognition. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-16	5.2	1
168	A new ensemble convolutional neural network with diversity regularization for fault diagnosis. *Journal of Manufacturing Systems*, **2020**,	9.1	7
167	Chaotic-based grey wolf optimizer for numerical and engineering optimization problems. *Memetic Computing*, **2020**, 12, 371-398	3.4	10
166	A Novel Point Cloud Encoding Method Based on Local Information for 3D Classification and Segmentation. *Sensors*, **2020**, 20,	3.8	6
165	Effective Methods for Integrated Process Planning and Scheduling. *Engineering Applications of Computational Methods*, **2020**,	0.2	1
164	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	1.4	4
163	Ensemble deep contractive auto-encoders for intelligent fault diagnosis of machines under noisy environment. *Knowledge-Based Systems*, **2020**, 196, 105764	7.3	24
162	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	6.4	33
161	Discriminative stacked autoencoder for feature representation and classification. *Science China Information Sciences*, **2020**, 63, 1	3.4	1
160	A multi-objective algorithm for U-shaped disassembly line balancing with partial destructive mode. *Neural Computing and Applications*, **2020**, 32, 12715-12736	4.8	11

159	A novel robotic grasp detection method based on region proposal networks. *Robotics and Computer-Integrated Manufacturing*, **2020**, 65, 101963	9.2	21
158	Anomalies in Special Permutation Flow Shop Scheduling Problems. *Chinese Journal of Mechanical Engineering (English Edition)*, **2020**, 33,	2.5	4
157	Review for Integrated Process Planning and Scheduling. *Engineering Applications of Computational Methods*, **2020**, 47-59	0.2	0
156	A Hybrid Genetic Algorithm with Variable Neighborhood Search for Dynamic IPPS. *Engineering Applications of Computational Methods*, **2020**, 429-453	0.2	
155	A Hybrid Intelligent Algorithm and Rescheduling Technique for Dynamic JSP. *Engineering Applications of Computational Methods*, **2020**, 345-375	0.2	
154	An Agent-Based Approach for IPPS. *Engineering Applications of Computational Methods*, **2020**, 191-208	0.2	2
153	Introduction for Integrated Process Planning and Scheduling. *Engineering Applications of Computational Methods*, **2020**, 1-15	0.2	
152	A Hybrid Algorithm for Job Shop Scheduling Problem. *Engineering Applications of Computational Methods*, **2020**, 107-131	0.2	
151	An Effective Genetic Algorithm for Multi-objective IPPS with Various Flexibilities in Process Planning. *Engineering Applications of Computational Methods*, **2020**, 301-322	0.2	
150	Application of Game Theory-Based Hybrid Algorithm for Multi-objective IPPS. *Engineering Applications of Computational Methods*, **2020**, 323-343	0.2	
149	A Hybrid Genetic Algorithm and Tabu Search for Multi-objective Dynamic JSP. *Engineering Applications of Computational Methods*, **2020**, 377-403	0.2	2
148	Review for Flexible Job Shop Scheduling. *Engineering Applications of Computational Methods*, **2020**, 17-45	0.2	3
147	Energy consumption and profit-oriented disassembly line balancing for waste electrical and electronic equipment. *Journal of Cleaner Production*, **2020**, 265, 121829	10.3	14
146	Energy-efficient distributed permutation flow shop scheduling problem using a multi-objective whale swarm algorithm. *Swarm and Evolutionary Computation*, **2020**, 57, 100716	9.8	37
145	Intelligent fault diagnosis of rotating machinery using a new ensemble deep auto-encoder method. *Measurement: Journal of the International Measurement Confederation*, **2020**, 151, 107232	4.6	37
144	A Multilevel Information Fusion-Based Deep Learning Method for Vision-Based Defect Recognition. *IEEE Transactions on Instrumentation and Measurement*, **2020**, 69, 3980-3991	5.2	25
143	Dynamic flexible job shop scheduling method based on improved gene expression programming. *Measurement and Control*, **2020**, 002029402094635	1.5	2
142	Low-delay Admittance Control of Hydraulic Series Elastic Actuator for Safe Human-Robot Collaboration. *Procedia Manufacturing*, **2020**, 48, 147-153	1.5	2

141   . *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-17   7.3   5

140   Improving Computer-Aided Cervical Cells Classification Using Transfer Learning Based Snapshot Ensemble. *Applied Sciences (Switzerland)*, **2020**, 10, 7292   2.6   11

139   Knowledge Graph-guided Convolutional Neural Network for Surface Defect Recognition **2020**,   2

138   Adaptive Delay Compensation for Admittance Control of Hydraulic Series Elastic Actuator **2020**,   3

137   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*, **2020**, 8, 1597   3.8   5

136   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   4.8   8

135   A New Two-Level Hierarchical Diagnosis Network Based on Convolutional Neural Network. *IEEE Transactions on Instrumentation and Measurement*, **2020**, 69, 330-338   5.2   49

134   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   7.3   43

133   Efficient Generalized Surrogate-Assisted Evolutionary Algorithm for High-Dimensional Expensive Problems. *IEEE Transactions on Evolutionary Computation*, **2020**, 24, 365-379   15.6   36

132   A transfer convolutional neural network for fault diagnosis based on ResNet-50. *Neural Computing and Applications*, **2020**, 32, 6111-6124   4.8   129

131   A zero-shot learning method for fault diagnosis under unknown working loads. *Journal of Intelligent Manufacturing*, **2020**, 31, 899-909   6.7   18

130   A semi-supervised convolutional neural network-based method for steel surface defect recognition. *Robotics and Computer-Integrated Manufacturing*, **2020**, 61, 101825   9.2   64

129   A Modified Iterated Greedy Algorithm for Flexible Job Shop Scheduling Problem. *Chinese Journal of Mechanical Engineering (English Edition)*, **2019**, 32,   2.5   18

128   Position Control of Hydraulic Series Elastic Actuator with Parameter Self-Optimization **2019**,   6

127   Effective heuristics and metaheuristics to minimize total flowtime for the distributed permutation flowshop problem. *Expert Systems With Applications*, **2019**, 124, 309-324   7.8   123

126   A multi-start variable neighbourhood descent algorithm for hybrid flowshop rescheduling. *Swarm and Evolutionary Computation*, **2019**, 45, 92-112   9.8   48

125   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   9.2   8

124   A decomposition based evolutionary algorithm with direction vector adaption and selection enhancement. *Information Sciences*, **2019**, 501, 248-271   7.7   12

123	An Effective Encoding Method Based on Local Information for 3D Point Cloud Classification. *IEEE Access*, **2019**, 7, 39369-39377	3.5	3
122	A decomposition and statistical learning based many-objective artificial bee colony optimizer. *Information Sciences*, **2019**, 496, 82-108	7.7	13
121	Effective constructive heuristics and meta-heuristics for the distributed assembly permutation flowshop scheduling problem. *Applied Soft Computing Journal*, **2019**, 81, 105492	7.5	67
120	Surrogate-guided differential evolution algorithm for high dimensional expensive problems. *Swarm and Evolutionary Computation*, **2019**, 48, 288-311	9.8	41
119	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	6.4	23
118	Partial disassembly line balancing for energy consumption and profit under uncertainty. *Robotics and Computer-Integrated Manufacturing*, **2019**, 59, 235-251	9.2	26
117	Mathematical modeling and a discrete artificial bee colony algorithm for the welding shop scheduling problem. *Memetic Computing*, **2019**, 11, 371-389	3.4	15
116	A multi-objective discrete flower pollination algorithm for stochastic two-sided partial disassembly line balancing problem. *Computers and Industrial Engineering*, **2019**, 130, 634-649	6.4	49
115	A New Snapshot Ensemble Convolutional Neural Network for Fault Diagnosis. *IEEE Access*, **2019**, 7, 32037-32047	3.5	18
114	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	4.8	8
113	Differential Evolution with Better and Nearest Option for Function Optimization **2019**,		3
112	A multiobjective evolutionary algorithm based on decomposition for hybrid flowshop green scheduling problem. *Computers and Industrial Engineering*, **2019**, 136, 325-344	6.4	48
111	New Trends in Intelligent Manufacturing. *Engineering*, **2019**, 5, 619-620	9.7	9
110	Fault Diagnosis Using Unsupervised Transfer Learning Based on Adversarial Network **2019**,		2
109	An improved Q-learning based rescheduling method for flexible job-shops with machine failures **2019**,		9
108	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	1.9	63
107	A Variable Iterated Local Search Algorithm for Energy-Efficient No-idle Flowshop Scheduling Problem. *Procedia Manufacturing*, **2019**, 39, 1185-1193	1.5	7
106	Unsupervised fault diagnosis method based on iterative multi-manifold spectral clustering. *IET Collaborative Intelligent Manufacturing*, **2019**, 1, 48-55	2	11

105	Multi-Objective Flexible Job Shop Scheduling Problem Considering Machine Switching Off-On Operation. *Procedia Manufacturing*, **2019**, 39, 1167-1176	1.5	4
104	A Hierarchical Feature Fusion-based Method for Defect Recognition with a Small Sample **2019**,		4
103	A random forest-based job shop rescheduling decision model with machine failures. *Journal of Ambient Intelligence and Humanized Computing*, **2019**, 1	3.7	2
102	Review on flexible job shop scheduling. *IET Collaborative Intelligent Manufacturing*, **2019**, 1, 67-77	2	40
101	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	0.7	7
100	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	1.4	4
99	A New Spectral Clustering Based on Particle Swarm Optimization for Unsupervised Fault Diagnosis of Bearings **2019**,		3
98	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	7.3	41
97	Modeling and optimization of multi-objective partial disassembly line balancing problem considering hazard and profit. *Journal of Cleaner Production*, **2019**, 211, 115-133	10.3	43
96	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	3.7	11
95	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	7.3	25
94	A multi-objective cellular grey wolf optimizer for hybrid flowshop scheduling problem considering noise pollution. *Applied Soft Computing Journal*, **2019**, 75, 728-749	7.5	67
93	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	7.3	423
92	Parallel chaotic local search enhanced harmony search algorithm for engineering design optimization. *Journal of Intelligent Manufacturing*, **2019**, 30, 405-428	6.7	35
91	An effective L-MONG algorithm for solving multi-objective flow-shop inverse scheduling problems. *Journal of Intelligent Manufacturing*, **2018**, 29, 789-807	6.7	10
90	Engineering design optimization using an improved local search based epsilon differential evolution algorithm. *Journal of Intelligent Manufacturing*, **2018**, 29, 1559-1580	6.7	20
89	Imbalanced data fault diagnosis of rotating machinery using synthetic oversampling and feature learning. *Journal of Manufacturing Systems*, **2018**, 48, 34-50	9.1	90
88	A New Convolutional Neural Network-Based Data-Driven Fault Diagnosis Method. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 5990-5998	8.9	757

87	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	1.2	16
86	An Effective Multiobjective Algorithm for Energy-Efficient Scheduling in a Real-Life Welding Shop. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 5400-5409	11.9	54
85	A new subset based deep feature learning method for intelligent fault diagnosis of bearing. *Expert Systems With Applications*, **2018**, 110, 125-142	7.8	58
84	A multi-objective approach to welding shop scheduling for makespan, noise pollution and energy consumption. *Journal of Cleaner Production*, **2018**, 196, 773-787	10.3	46
83	A Jointed Signal Analysis and Convolutional Neural Network Method for Fault Diagnosis. *Procedia CIRP*, **2018**, 72, 1084-1087	1.8	12
82	An Effective Hybrid Algorithm for Permutation Flow Shop Scheduling Problem with Setup Time. *Procedia CIRP*, **2018**, 72, 1288-1292	1.8	4
81	A New Ensemble Approach based on Deep Convolutional Neural Networks for Steel Surface Defect classification. *Procedia CIRP*, **2018**, 72, 1069-1072	1.8	20
80	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	7.5	9
79	A hybrid multi-objective evolutionary algorithm with feedback mechanism. *Applied Intelligence*, **2018**, 48, 4149-4173	4.9	9
78	Construction of nested maximin designs based on successive local enumeration and modified novel global harmony search algorithm. *Engineering Optimization*, **2017**, 49, 161-180	2	10
77	Multi-objective inverse scheduling optimization of single-machine shop system with uncertain due-dates and processing times. *Cluster Computing*, **2017**, 20, 371-390	2.1	10
76	Effective metaheuristics for scheduling a hybrid flowshop with sequence-dependent setup times. *Applied Mathematics and Computation*, **2017**, 303, 89-112	2.7	73
75	A dynamic parameter controlled harmony search algorithm for assembly sequence planning. *International Journal of Advanced Manufacturing Technology*, **2017**, 92, 3399-3411	3.2	8
74	Adaptive Differential Evolution With Sorting Crossover Rate for Continuous Optimization Problems. *IEEE Transactions on Cybernetics*, **2017**, 47, 2742-2753	10.2	71
73	Energy-efficient job shop scheduling problem with variable spindle speed using a novel multi-objective algorithm. *Advances in Mechanical Engineering*, **2017**, 9, 168781401769595	1.2	29
72	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	6.4	91
71	Energy-efficient permutation flow shop scheduling problem using a hybrid multi-objective backtracking search algorithm. *Journal of Cleaner Production*, **2017**, 144, 228-238	10.3	172
70	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	3	68

69	An Efficient Multiobjective Backtracking Search Algorithm for Single Machine Scheduling with Controllable Processing Times. *Mathematical Problems in Engineering*, **2017**, 2017, 1-24	1.1	6
68	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	7.2	109
67	IHSCR: Energy-efficient clustering and routing for wireless sensor networks based on harmony search algorithm. *International Journal of Distributed Sensor Networks*, **2017**, 13, 155014771774110	1.7	12
66	A hybrid backtracking search algorithm for permutation flow-shop scheduling problem minimizing makespan and energy consumption **2017**,		4
65	A Novel Data-Driven Fault Diagnosis Method Based on Deep Learning. *Lecture Notes in Computer Science*, **2017**, 442-452	0.9	1
64	Whale Swarm Algorithm for Function Optimization. *Lecture Notes in Computer Science*, **2017**, 624-639	0.9	10
63	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	3.2	19
62	Dynamic rescheduling in FMS that is simultaneously considering energy consumption and schedule efficiency. *International Journal of Advanced Manufacturing Technology*, **2016**, 87, 1387-1399	3.2	39
61	Energy-efficient multi-pass turning operation using multi-objective backtracking search algorithm. *Journal of Cleaner Production*, **2016**, 137, 1516-1531	10.3	55
60	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	3.6	85
59	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	3.2	3
58	An effective hybrid genetic algorithm and tabu search for flexible job shop scheduling problem. *International Journal of Production Economics*, **2016**, 174, 93-110	9.3	220
57	Analysis of mutation vectors selection mechanism in differential evolution. *Applied Intelligence*, **2016**, 44, 904-912	4.9	6
56	Constrained differential evolution with pre-estimated comparison using gradient-based approximation for constrained optimization problems. *Expert Systems With Applications*, **2016**, 44, 37-49	7.8	16
55	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	4.9	29
54	An improved adaptive differential evolution algorithm for continuous optimization. *Expert Systems With Applications*, **2016**, 44, 1-12	7.8	55
53	Assembly sequence planning based on an improved harmony search algorithm. *International Journal of Advanced Manufacturing Technology*, **2016**, 84, 2367-2380	3.2	27
52	Energy-Efficient Scheduling Problem Using an Effective Hybrid Multi-Objective Evolutionary Algorithm. *Sustainability*, **2016**, 8, 1268	3.6	21

51	A hybrid genetic algorithm with variable neighborhood search for dynamic integrated process planning and scheduling. *Computers and Industrial Engineering*, **2016**, 102, 99-112	6.4	33
50	A new improved fruit fly optimization algorithm for traveling salesman problem **2016**,		2
49	Service-oriented disassembly sequence planning for electrical and electronic equipment waste. *Electronic Commerce Research and Applications*, **2016**, 20, 59-68	4.6	15
48	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	4.9	48
47	Backtracking Search Algorithm with three constraint handling methods for constrained optimization problems. *Expert Systems With Applications*, **2015**, 42, 7831-7845	7.8	49
46	A hybrid backtracking search algorithm for permutation flow-shop scheduling problem. *Computers and Industrial Engineering*, **2015**, 85, 437-446	6.4	56
45	Multi-objective optimization based reverse strategy with differential evolution algorithm for constrained optimization problems. *Expert Systems With Applications*, **2015**, 42, 5976-5987	7.8	20
44	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	7.5	86
43	A hybrid algorithm based on a new neighborhood structure evaluation method for job shop scheduling problem. *Computers and Industrial Engineering*, **2015**, 88, 417-429	6.4	33
42	A priority-based heuristic algorithm (PBHA) for optimizing integrated process planning and scheduling problem. *Cogent Engineering*, **2015**, 2, 1070494	1.5	7
41	Optimization of multi-objective integrated process planning and scheduling problem using a priority based optimization algorithm. *Frontiers of Mechanical Engineering*, **2015**, 10, 392-404	3.3	5
40	Electromagnetism-like algorithms for optimized tool path planning in 5-axis flank machining. *Computers and Industrial Engineering*, **2015**, 84, 70-78	6.4	15
39	Optimisation of the reverse scheduling problem by a modified genetic algorithm. *International Journal of Production Research*, **2015**, 53, 6980-6993	7.8	2
38	Constrained Differential Evolution Algorithm with a Novel Local Search Operator for Constrained Optimization Problems. *Proceedings in Adaptation, Learning and Optimization*, **2015**, 495-507	0.2	2
37	An Improved Genetic Algorithm for Single-Machine Inverse Scheduling Problem. *Mathematical Problems in Engineering*, **2014**, 2014, 1-14	1.1	3
36	An Iterated Local Search Algorithm for the Lot-Streaming Flow Shop Scheduling Problem. *Asia-Pacific Journal of Operational Research*, **2014**, 31, 1450045	0.8	7
35	Discrete electromagnetism-like mechanism algorithm for assembly sequences planning. *International Journal of Production Research*, **2014**, 52, 3485-3503	7.8	8
34	Optimization algorithms for integrated process planning and scheduling problem- A survey **2014**,		2

33	Honey bees mating optimization algorithm for process planning problem. *Journal of Intelligent Manufacturing*, **2014**, 25, 459-472	6.7	31
32	Application of an efficient modified particle swarm optimization algorithm for process planning. *International Journal of Advanced Manufacturing Technology*, **2013**, 67, 1355-1369	3.2	59
31	A hybrid intelligent algorithm and rescheduling technique for job shop scheduling problems with disruptions. *International Journal of Advanced Manufacturing Technology*, **2013**, 65, 1141-1156	3.2	17
30	Free Pattern Search for global optimization. *Applied Soft Computing Journal*, **2013**, 13, 3853-3863	7.5	10
29	A new hybrid algorithm for unconstrained optimisation problems. *International Journal of Computer Applications in Technology*, **2013**, 46, 187	0.7	11
28	A GEP-based reactive scheduling policies constructing approach for dynamic flexible job shop scheduling problem with job release dates. *Journal of Intelligent Manufacturing*, **2013**, 24, 763-774	6.7	87
27	A differential evolution algorithm with minimum distance mutation operator **2013**,		1
26	A differential evolution algorithm with intersect mutation operator. *Applied Soft Computing Journal* , **2013**, 13, 390-401	7.5	80
25	An improved electromagnetism-like mechanism algorithm for constrained optimization. *Expert Systems With Applications*, **2013**, 40, 5621-5634	7.8	37
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