Xin-Yu Li

List of Publications by Citations

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	A New Convolutional Neural Network-Based Data-Driven Fault Diagnosis Method. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 5990-5998	8.9	757
211	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
210	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
209	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
208	Integration of process planning and scheduling A modified genetic algorithm-based approach. *Computers and Operations Research*, **2009**, 36, 2082-2096	4.6	135
207	A transfer convolutional neural network for fault diagnosis based on ResNet-50. *Neural Computing and Applications*, **2020**, 32, 6111-6124	4.8	129
206	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
205	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
204	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
203	Imbalanced data fault diagnosis of rotating machinery using synthetic oversampling and feature learning. *Journal of Manufacturing Systems*, **2018**, 48, 34-50	9.1	90
202	Application of game theory based hybrid algorithm for multi-objective integrated process planning and scheduling. *Expert Systems With Applications*, **2012**, 39, 288-297	7.8	87
201	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
200	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
199	Mathematical modeling and evolutionary algorithm-based approach for integrated process planning and scheduling. *Computers and Operations Research*, **2010**, 37, 656-667	4.6	86
198	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
197	A differential evolution algorithm with intersect mutation operator. *Applied Soft Computing Journal*, **2013**, 13, 390-401	7.5	80
196	An agent-based approach for integrated process planning and scheduling. *Expert Systems With Applications*, **2010**, 37, 1256-1264	7.8	78

195	A hybrid genetic algorithm and tabu search for a multi-objective dynamic job shop scheduling problem. *International Journal of Production Research*, **2013**, 51, 3516-3531	7.8	76
194	Effective metaheuristics for scheduling a hybrid flowshop with sequence-dependent setup times. *Applied Mathematics and Computation*, **2017**, 303, 89-112	2.7	73
193	An effective hybrid algorithm for integrated process planning and scheduling. *International Journal of Production Economics*, **2010**, 126, 289-298	9.3	72
192	Adaptive Differential Evolution With Sorting Crossover Rate for Continuous Optimization Problems. *IEEE Transactions on Cybernetics*, **2017**, 47, 2742-2753	10.2	71
191	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
190	Effective constructive heuristics and meta-heuristics for the distributed assembly permutation flowshop scheduling problem. *Applied Soft Computing Journal*, **2019**, 81, 105492	7.5	67
189	An efficient memetic algorithm for solving the job shop scheduling problem. *Computers and Industrial Engineering*, **2011**, 60, 699-705	6.4	67
188	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
187	A semi-supervised convolutional neural network-based method for steel surface defect recognition. *Robotics and Computer-Integrated Manufacturing*, **2020**, 61, 101825	9.2	64
186	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
185	A review on Integrated Process Planning and Scheduling. *International Journal of Manufacturing Research*, **2010**, 5, 161	0.4	62
184	Integrated process planning and scheduling using an imperialist competitive algorithm. *International Journal of Production Research*, **2012**, 50, 4326-4343	7.8	61
183	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
182	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
181	A hybrid backtracking search algorithm for permutation flow-shop scheduling problem. *Computers and Industrial Engineering*, **2015**, 85, 437-446	6.4	56
180	Energy-efficient multi-pass turning operation using multi-objective backtracking search algorithm. *Journal of Cleaner Production*, **2016**, 137, 1516-1531	10.3	55
179	An improved adaptive differential evolution algorithm for continuous optimization. *Expert Systems With Applications*, **2016**, 44, 1-12	7.8	55
178	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

177	Application of memetic algorithm in assembly sequence planning. *International Journal of Advanced Manufacturing Technology*, **2010**, 49, 1175-1184	3.2	50
176	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
175	Backtracking Search Algorithm with three constraint handling methods for constrained optimization problems. *Expert Systems With Applications*, **2015**, 42, 7831-7845	7.8	49
174	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
173	A multi-start variable neighbourhood descent algorithm for hybrid flowshop rescheduling. *Swarm and Evolutionary Computation*, **2019**, 45, 92-112	9.8	48
172	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
171	A multiobjective evolutionary algorithm based on decomposition for hybrid flowshop green scheduling problem. *Computers and Industrial Engineering*, **2019**, 136, 325-344	6.4	48
170	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
169	An active learning genetic algorithm for integrated process planning and scheduling. *Expert Systems With Applications*, **2012**, 39, 6683-6691	7.8	45
168	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
167	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
166	Surrogate-guided differential evolution algorithm for high dimensional expensive problems. *Swarm and Evolutionary Computation*, **2019**, 48, 288-311	9.8	41
165	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
164	Review on flexible job shop scheduling. *IET Collaborative Intelligent Manufacturing*, **2019**, 1, 67-77	2	40
163	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
162	An improved electromagnetism-like mechanism algorithm for constrained optimization. *Expert Systems With Applications*, **2013**, 40, 5621-5634	7.8	37
161	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
160	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

159	An effective cellular particle swarm optimization for parameters optimization of a multi-pass milling process. *Applied Soft Computing Journal*, **2012**, 12, 3490-3499	7.5	36
158	Efficient Generalized Surrogate-Assisted Evolutionary Algorithm for High-Dimensional Expensive Problems. *IEEE Transactions on Evolutionary Computation*, **2020**, 24, 365-379	15.6	36
157	Parallel chaotic local search enhanced harmony search algorithm for engineering design optimization. *Journal of Intelligent Manufacturing*, **2019**, 30, 405-428	6.7	35
156	Optimization of flexible process planning by genetic programming. *International Journal of Advanced Manufacturing Technology*, **2008**, 38, 143-153	3.2	34
155	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
154	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
153	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
152	Honey bees mating optimization algorithm for process planning problem. *Journal of Intelligent Manufacturing*, **2014**, 25, 459-472	6.7	31
151	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
150	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
149	A new approach for predicting and collaborative evaluating the cutting force in face milling based on gene expression programming. *Journal of Network and Computer Applications*, **2013**, 36, 1540-1550	7.9	29
148	Assembly sequence planning based on an improved harmony search algorithm. *International Journal of Advanced Manufacturing Technology*, **2016**, 84, 2367-2380	3.2	27
147	Partial disassembly line balancing for energy consumption and profit under uncertainty. *Robotics and Computer-Integrated Manufacturing*, **2019**, 59, 235-251	9.2	26
146	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
145	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
144	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
143	Ensemble deep contractive auto-encoders for intelligent fault diagnosis of machines under noisy environment. *Knowledge-Based Systems*, **2020**, 196, 105764	7.3	24
142	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

141	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
140	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
139	A novel robotic grasp detection method based on region proposal networks. *Robotics and Computer-Integrated Manufacturing*, **2020**, 65, 101963	9.2	21
138	Energy-Efficient Scheduling Problem Using an Effective Hybrid Multi-Objective Evolutionary Algorithm. *Sustainability*, **2016**, 8, 1268	3.6	21
137	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
136	Engineering design optimization using an improved local search based epsilon differential evolution algorithm. *Journal of Intelligent Manufacturing*, **2018**, 29, 1559-1580	6.7	20
135	A New Ensemble Approach based on Deep Convolutional Neural Networks for Steel Surface Defect classification. *Procedia CIRP*, **2018**, 72, 1069-1072	1.8	20
134	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
133	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
132	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
131	A genetic simulated annealing algorithm for parallel partial disassembly line balancing problem. *Applied Soft Computing Journal*, **2021**, 107, 107404	7.5	19
130	A Modified Iterated Greedy Algorithm for Flexible Job Shop Scheduling Problem. *Chinese Journal of Mechanical Engineering (English Edition)*, **2019**, 32,	2.5	18
129	A New Snapshot Ensemble Convolutional Neural Network for Fault Diagnosis. *IEEE Access*, **2019**, 7, 32037-32047	3.5	18
128	A zero-shot learning method for fault diagnosis under unknown working loads. *Journal of Intelligent Manufacturing*, **2020**, 31, 899-909	6.7	18
127	A new graph-based semi-supervised method for surface defect classification. *Robotics and Computer-Integrated Manufacturing*, **2021**, 68, 102083	9.2	18
126	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
125	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
124	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

123	Mathematical modeling and a discrete artificial bee colony algorithm for the welding shop scheduling problem. *Memetic Computing*, **2019**, 11, 371-389	3.4	15
122	Electromagnetism-like algorithms for optimized tool path planning in 5-axis flank machining. *Computers and Industrial Engineering*, **2015**, 84, 70-78	6.4	15
121	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
120	Service-oriented disassembly sequence planning for electrical and electronic equipment waste. *Electronic Commerce Research and Applications*, **2016**, 20, 59-68	4.6	15
119	Energy consumption and profit-oriented disassembly line balancing for waste electrical and electronic equipment. *Journal of Cleaner Production*, **2020**, 265, 121829	10.3	14
118	Convolutional Neural Network With Automatic Learning Rate Scheduler for Fault Classification. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-12	5.2	14
117	A decomposition and statistical learning based many-objective artificial bee colony optimizer. *Information Sciences*, **2019**, 496, 82-108	7.7	13
116	A decomposition based evolutionary algorithm with direction vector adaption and selection enhancement. *Information Sciences*, **2019**, 501, 248-271	7.7	12
115	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
114	An enhanced harmony search algorithm for assembly sequence planning. *International Journal of Modelling, Identification and Control*, **2013**, 18, 18	0.6	12
113	Applying an electromagnetism-like mechanism algorithm on parameter optimisation of a multi-pass milling process. *International Journal of Production Research*, **2013**, 51, 1777-1788	7.8	12
112	Energy-efficient distributed heterogeneous welding flow shop scheduling problem using a modified MOEA/D. *Swarm and Evolutionary Computation*, **2021**, 62, 100858	9.8	12
111	A Review on Recent Advances in Vision-based Defect Recognition towards Industrial Intelligence. *Journal of Manufacturing Systems*, **2021**, 62, 753-753	9.1	12
110	A Jointed Signal Analysis and Convolutional Neural Network Method for Fault Diagnosis. *Procedia CIRP*, **2018**, 72, 1084-1087	1.8	12
109	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
108	A new hybrid algorithm for unconstrained optimisation problems. *International Journal of Computer Applications in Technology*, **2013**, 46, 187	0.7	11
107	Variable Neighborhood Genetic Algorithm for the Flexible Job Shop Scheduling Problems. *Lecture Notes in Computer Science*, **2008**, 503-512	0.9	11
106	Improving Computer-Aided Cervical Cells Classification Using Transfer Learning Based Snapshot Ensemble. *Applied Sciences (Switzerland)*, **2020**, 10, 7292	2.6	11

105	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
104	Unsupervised fault diagnosis method based on iterative multi-manifold spectral clustering. *IET Collaborative Intelligent Manufacturing*, **2019**, 1, 48-55	2	11
103	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
102	Mathematical modeling and a hybrid evolutionary algorithm for process planning. *Journal of Intelligent Manufacturing*, **2021**, 32, 781-797	6.7	11
101	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
100	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
99	Chaotic-based grey wolf optimizer for numerical and engineering optimization problems. *Memetic Computing*, **2020**, 12, 371-398	3.4	10
98	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
97	Free Pattern Search for global optimization. *Applied Soft Computing Journal*, **2013**, 13, 3853-3863	7.5	10
96	Whale Swarm Algorithm for Function Optimization. *Lecture Notes in Computer Science*, **2017**, 624-639	0.9	10
95	New Trends in Intelligent Manufacturing. *Engineering*, **2019**, 5, 619-620	9.7	9
94	An improved Q-learning based rescheduling method for flexible job-shops with machine failures **2019**,		9
93	An improved simulated annealing algorithm based on residual network for permutation flow shop scheduling. *Complex & Intelligent Systems*, **2021**, 7, 1173-1183	7.1	9
92	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
91	A hybrid multi-objective evolutionary algorithm with feedback mechanism. *Applied Intelligence*, **2018**, 48, 4149-4173	4.9	9
90	A dynamic parameter controlled harmony search algorithm for assembly sequence planning. *International Journal of Advanced Manufacturing Technology*, **2017**, 92, 3399-3411	3.2	8
89	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
88	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

87	Discrete electromagnetism-like mechanism algorithm for assembly sequences planning. *International Journal of Production Research*, **2014**, 52, 3485-3503	7.8	8
86	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
85	A priority-based heuristic algorithm (PBHA) for optimizing integrated process planning and scheduling problem. *Cogent Engineering*, **2015**, 2, 1070494	1.5	7
84	A new ensemble convolutional neural network with diversity regularization for fault diagnosis. *Journal of Manufacturing Systems*, **2020**,	9.1	7
83	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
82	A Variable Iterated Local Search Algorithm for Energy-Efficient No-idle Flowshop Scheduling Problem. *Procedia Manufacturing*, **2019**, 39, 1185-1193	1.5	7
81	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
80	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
79	Position Control of Hydraulic Series Elastic Actuator with Parameter Self-Optimization **2019**,		6
78	A Novel Point Cloud Encoding Method Based on Local Information for 3D Classification and Segmentation. *Sensors*, **2020**, 20,	3.8	6
77	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
76	Analysis of mutation vectors selection mechanism in differential evolution. *Applied Intelligence*, **2016**, 44, 904-912	4.9	6
75	An Efficient Memetic Algorithm for Dynamic Flexible Job Shop Scheduling with Random Job Arrivals. *International Journal of Software Science and Computational Intelligence*, **2013**, 5, 63-77	1.4	6
74	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
73	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
72	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-17	7.3	5
71	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
70	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

69	Ensemble of Dynamic Resource Allocation Strategies for Decomposition-Based Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 710-723	15.6	5
68	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
67	A hybrid backtracking search algorithm for permutation flow-shop scheduling problem minimizing makespan and energy consumption **2017**,		4
66	Anomalies in Special Permutation Flow Shop Scheduling Problems. *Chinese Journal of Mechanical Engineering (English Edition)*, **2020**, 33,	2.5	4
65	Multi-Objective Flexible Job Shop Scheduling Problem Considering Machine Switching Off-On Operation. *Procedia Manufacturing*, **2019**, 39, 1167-1176	1.5	4
64	A Hierarchical Feature Fusion-based Method for Defect Recognition with a Small Sample **2019**,		4
63	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
62	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
61	Industrial Image Anomaly Localization Based on Gaussian Clustering of Pre-trained Feature. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
60	An Effective Hybrid Algorithm for Permutation Flow Shop Scheduling Problem with Setup Time. *Procedia CIRP*, **2018**, 72, 1288-1292	1.8	4
59	An Effective Encoding Method Based on Local Information for 3D Point Cloud Classification. *IEEE Access*, **2019**, 7, 39369-39377	3.5	3
58	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
57	Differential Evolution with Better and Nearest Option for Function Optimization **2019**,		3
56	An Improved Genetic Algorithm for Single-Machine Inverse Scheduling Problem. *Mathematical Problems in Engineering*, **2014**, 2014, 1-14	1.1	3
55	Review for Flexible Job Shop Scheduling. *Engineering Applications of Computational Methods*, **2020**, 17-45	5.2	3
54	Adaptive Delay Compensation for Admittance Control of Hydraulic Series Elastic Actuator **2020**,		3
53	A New Spectral Clustering Based on Particle Swarm Optimization for Unsupervised Fault Diagnosis of Bearings **2019**,		3
52	An effective multi-objective whale swarm algorithm for energy-efficient scheduling of distributed welding flow shop. *Annals of Operations Research*,1	3.2	3

51	A Threshold-Control Generative Adversarial Network Method for Intelligent Fault Diagnosis. *Complex System Modeling and Simulation*, **2021**, 1, 55-64		3
50	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
49	Fault Diagnosis Using Unsupervised Transfer Learning Based on Adversarial Network **2019**,		2
48	Optimisation of the reverse scheduling problem by a modified genetic algorithm. *International Journal of Production Research*, **2015**, 53, 6980-6993	7.8	2
47	Optimization algorithms for integrated process planning and scheduling problem- A survey **2014**,		2
46	An improved grey wolf optimizer for welding shop inverse scheduling. *Computers and Industrial Engineering*, **2021**, 107809	6.4	2
45	An Agent-Based Approach for IPPS. *Engineering Applications of Computational Methods*, **2020**, 191-208	0.2	2
44	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
43	A Hybrid Genetic Algorithm and Tabu Search for Multi-objective Dynamic JSP. *Engineering Applications of Computational Methods*, **2020**, 377-403	0.2	2
42	Dynamic flexible job shop scheduling method based on improved gene expression programming. *Measurement and Control*, **2020**, 002029402094635	1.5	2
41	Low-delay Admittance Control of Hydraulic Series Elastic Actuator for Safe Human-Robot Collaboration. *Procedia Manufacturing*, **2020**, 48, 147-153	1.5	2
40	Knowledge Graph-guided Convolutional Neural Network for Surface Defect Recognition **2020**,		2
39	A new improved fruit fly optimization algorithm for traveling salesman problem **2016**,		2
38	A random forest-based job shop rescheduling decision model with machine failures. *Journal of Ambient Intelligence and Humanized Computing*, **2019**, 1	3.7	2
37	A new Feature-Fusion method based on training dataset prototype for surface defect recognition. *Advanced Engineering Informatics*, **2021**, 50, 101392	7.4	2
36	Effective Methods for Integrated Process Planning and Scheduling. *Engineering Applications of Computational Methods*, **2020**,	0.2	1
35	Discriminative stacked autoencoder for feature representation and classification. *Science China Information Sciences*, **2020**, 63, 1	3.4	1
34	A differential evolution algorithm with minimum distance mutation operator **2013**,		1

33	Modeling of cutting forces in a face-milling operation with Gene Expression Programming **2012**,		1
32	Application of Interval Theory and Genetic Algorithm for Uncertain Integrated Process Planning and Scheduling **2013**,		1
31	Multi-objective genetic algorithm for integrated process planning and scheduling with fuzzy processing time **2013**,		1
30	A Novel Two-Layer Hierarchical Differential Evolution Algorithm for Global Optimization **2013**,		1
29	Multi-agent based integration of process planning and scheduling **2009**,		1
28	Multiple surrogates and offspring-assisted differential evolution for high-dimensional expensive problems. *Information Sciences*, **2022**, 592, 174-191	7.7	1
27	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
26	A Novel Data-Driven Fault Diagnosis Method Based on Deep Learning. *Lecture Notes in Computer Science*, **2017**, 442-452	0.9	1
25	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
24	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
23	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
22	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
21	Integrated Production and Transportation Scheduling Method in Hybrid Flow Shop. *Chinese Journal of Mechanical Engineering (English Edition)*, **2022**, 35,	2.5	1
20	A Hybrid Algorithm with a New Neighborhood Structure for Job Shop Scheduling Problems. *Computers and Industrial Engineering*, **2022**, 108205	6.4	1
19	Review for Integrated Process Planning and Scheduling. *Engineering Applications of Computational Methods*, **2020**, 47-59	0.2	0
18	Time Series Classification by Shapelet Dictionary Learning with SVM-Based Ensemble Classifier. *Computational Intelligence and Neuroscience*, **2021**, 2021, 1-13	3	0
17	Disassembly sequence planning based on a modified grey wolf optimizer. *International Journal of Advanced Manufacturing Technology*, **2021**, 116, 3731-3750	3.2	0
16	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

List of Publications

#	Publication		
15	An Improved Genetic Algorithm for Distributed Job Shop Scheduling Problem. *Lecture Notes in Computer Science*, **2021**, 37-47	0.9	0
14	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
13	An efficient critical path based method for permutation flow shop scheduling problem. *Journal of Manufacturing Systems*, **2022**, 63, 344-353	9.1	0
12	A Graph Guided Convolutional Neural Network for Surface Defect Recognition. *IEEE Transactions on Automation Science and Engineering*, **2022**, 1-13	4.9	
11	A Hybrid Genetic Algorithm with Variable Neighborhood Search for Dynamic IPPS. *Engineering Applications of Computational Methods*, **2020**, 429-453	0.2	
10	A Hybrid Intelligent Algorithm and Rescheduling Technique for Dynamic JSP. *Engineering Applications of Computational Methods*, **2020**, 345-375	0.2	
9	Introduction for Integrated Process Planning and Scheduling. *Engineering Applications of Computational Methods*, **2020**, 1-15	0.2	
8	A Hybrid Algorithm for Job Shop Scheduling Problem. *Engineering Applications of Computational Methods*, **2020**, 107-131	0.2	
7	An Effective Genetic Algorithm for Multi-objective IPPS with Various Flexibilities in Process Planning. *Engineering Applications of Computational Methods*, **2020**, 301-322	0.2	
6	Application of Game Theory-Based Hybrid Algorithm for Multi-objective IPPS. *Engineering Applications of Computational Methods*, **2020**, 323-343	0.2	
5	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	
4	Partial Distillation of Deep Feature for Unsupervised Image Anomaly Detection and Segmentation. *Lecture Notes in Computer Science*, **2021**, 238-250	0.9	
3	A Hybrid Algorithm for Multi-objective Permutation Flow Shop Scheduling Problem with Setup Times. *Lecture Notes in Computer Science*, **2021**, 34-44	0.9	
2	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	
1	A multiobjective memetic algorithm for integrated process planning and scheduling problem in distributed heterogeneous manufacturing systems. *Memetic Computing*, **2022**, 14, 193-209	3.4	