

Liang Gao

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3106431/liang-gao-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

622
papers

14,520
citations

60
h-index

92
g-index

668
ext. papers

18,867
ext. citations

4.9
avg, IF

7.79
L-index

#	Paper	IF	Citations
622	A New Convolutional Neural Network-Based Data-Driven Fault Diagnosis Method. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5990-5998	8.9	757
621	A New Deep Transfer Learning Based on Sparse Auto-Encoder for Fault Diagnosis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 136-144	7.3	423
620	An effective hybrid particle swarm optimization algorithm for multi-objective flexible job-shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2009 , 56, 1309-1318	6.4	315
619	An effective genetic algorithm for the flexible job-shop scheduling problem. <i>Expert Systems With Applications</i> , 2011 , 38, 3563-3573	7.8	279
618	An effective hybrid genetic algorithm and tabu search for flexible job shop scheduling problem. <i>International Journal of Production Economics</i> , 2016 , 174, 93-110	9.3	220
617	Energy-efficient permutation flow shop scheduling problem using a hybrid multi-objective backtracking search algorithm. <i>Journal of Cleaner Production</i> , 2017 , 144, 228-238	10.3	172
616	An improved fruit fly optimization algorithm for continuous function optimization problems. <i>Knowledge-Based Systems</i> , 2014 , 62, 69-83	7.3	156
615	Integration of process planning and scheduling a modified genetic algorithm-based approach. <i>Computers and Operations Research</i> , 2009 , 36, 2082-2096	4.6	135
614	Parameter extraction of photovoltaic models using an improved teaching-learning-based optimization. <i>Energy Conversion and Management</i> , 2019 , 186, 293-305	10.6	133
613	Cellular particle swarm optimization. <i>Information Sciences</i> , 2011 , 181, 4460-4493	7.7	133
612	A transfer convolutional neural network for fault diagnosis based on ResNet-50. <i>Neural Computing and Applications</i> , 2020 , 32, 6111-6124	4.8	129
611	Effective heuristics and metaheuristics to minimize total flowtime for the distributed permutation flowshop problem. <i>Expert Systems With Applications</i> , 2019 , 124, 309-324	7.8	123
610	A differential evolution algorithm with self-adapting strategy and control parameters. <i>Computers and Operations Research</i> , 2011 , 38, 394-408	4.6	121
609	A multi-objective genetic algorithm based on immune and entropy principle for flexible job-shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 51, 757-767	3.2	117
608	An adaptive decoupling approach for reliability-based design optimization. <i>Computers and Structures</i> , 2013 , 117, 58-66	4.5	114
607	An adaptive process planning approach of rapid prototyping and manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2013 , 29, 23-38	9.2	111
606	A hybrid multi-objective grey wolf optimizer for dynamic scheduling in a real-world welding industry. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 57, 61-79	7.2	109

605	Topology optimization for functionally graded cellular composites with metamaterials by level sets. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 328, 340-364	5.7	103
604	Topology optimization for concurrent design of structures with multi-patch microstructures by level sets. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 331, 536-561	5.7	98
603	A novel projection outline based active learning method and its combination with Kriging metamodel for hybrid reliability analysis with random and interval variables. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 341, 32-52	5.7	94
602	An effective multi-objective discrete virus optimization algorithm for flexible job-shop scheduling problem with controllable processing times. <i>Computers and Industrial Engineering</i> , 2017 , 104, 156-174	6.4	91
601	A cloud-based approach for WEEE remanufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 2014 , 63, 409-412	4.9	91
600	Imbalanced data fault diagnosis of rotating machinery using synthetic oversampling and feature learning. <i>Journal of Manufacturing Systems</i> , 2018 , 48, 34-50	9.1	90
599	Application of game theory based hybrid algorithm for multi-objective integrated process planning and scheduling. <i>Expert Systems With Applications</i> , 2012 , 39, 288-297	7.8	87
598	A GEP-based reactive scheduling policies constructing approach for dynamic flexible job shop scheduling problem with job release dates. <i>Journal of Intelligent Manufacturing</i> , 2013 , 24, 763-774	6.7	87
597	A general failure-pursuing sampling framework for surrogate-based reliability analysis. <i>Reliability Engineering and System Safety</i> , 2019 , 183, 47-59	6.3	87
596	An effective teaching-learning-based cuckoo search algorithm for parameter optimization problems in structure designing and machining processes. <i>Applied Soft Computing Journal</i> , 2015 , 36, 349-356	7.5	86
595	A local adaptive sampling method for reliability-based design optimization using Kriging model. <i>Structural and Multidisciplinary Optimization</i> , 2014 , 49, 401-416	3.6	86
594	An effective hybrid discrete differential evolution algorithm for the flow shop scheduling with intermediate buffers. <i>Information Sciences</i> , 2011 , 181, 668-685	7.7	86
593	Mathematical modeling and evolutionary algorithm-based approach for integrated process planning and scheduling. <i>Computers and Operations Research</i> , 2010 , 37, 656-667	4.6	86
592	An effective multi-objective discrete grey wolf optimizer for a real-world scheduling problem in welding production. <i>Advances in Engineering Software</i> , 2016 , 99, 161-176	3.6	85
591	Grey wolf optimizer with cellular topological structure. <i>Expert Systems With Applications</i> , 2018 , 107, 89-118	7.8	83
590	An efficient Kriging-based subset simulation method for hybrid reliability analysis under random and interval variables with small failure probability. <i>Structural and Multidisciplinary Optimization</i> , 2019 , 59, 2077-2092	3.6	83
589	A differential evolution algorithm with intersect mutation operator. <i>Applied Soft Computing Journal</i> , 2013 , 13, 390-401	7.5	80
588	Queuing search algorithm: A novel metaheuristic algorithm for solving engineering optimization problems. <i>Applied Mathematical Modelling</i> , 2018 , 63, 464-490	4.5	79

587	A local Kriging approximation method using MPP for reliability-based design optimization. <i>Computers and Structures</i> , 2016 , 162, 102-115	4.5	78
586	An agent-based approach for integrated process planning and scheduling. <i>Expert Systems With Applications</i> , 2010 , 37, 1256-1264	7.8	78
585	A combined projection-outline-based active learning Kriging and adaptive importance sampling method for hybrid reliability analysis with small failure probabilities. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 344, 13-33	5.7	77
584	A hybrid genetic algorithm and tabu search for a multi-objective dynamic job shop scheduling problem. <i>International Journal of Production Research</i> , 2013 , 51, 3516-3531	7.8	76
583	Effective metaheuristics for scheduling a hybrid flowshop with sequence-dependent setup times. <i>Applied Mathematics and Computation</i> , 2017 , 303, 89-112	2.7	73
582	An effective hybrid algorithm for integrated process planning and scheduling. <i>International Journal of Production Economics</i> , 2010 , 126, 289-298	9.3	72
581	A surrogate thermal modeling and parametric optimization of battery pack with air cooling for EVs. <i>Applied Thermal Engineering</i> , 2019 , 147, 90-100	5.8	72
580	Adaptive Differential Evolution With Sorting Crossover Rate for Continuous Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2742-2753	10.2	71
579	A system active learning Kriging method for system reliability-based design optimization with a multiple response model. <i>Reliability Engineering and System Safety</i> , 2020 , 199, 106935	6.3	71
578	Selective disassembly planning for waste electrical and electronic equipment with case studies on liquid crystal displays. <i>Robotics and Computer-Integrated Manufacturing</i> , 2013 , 29, 248-260	9.2	71
577	A novel mathematical model and multi-objective method for the low-carbon flexible job shop scheduling problem. <i>Sustainable Computing: Informatics and Systems</i> , 2017 , 13, 15-30	3	68
576	Effective constructive heuristics and meta-heuristics for the distributed assembly permutation flowshop scheduling problem. <i>Applied Soft Computing Journal</i> , 2019 , 81, 105492	7.5	67
575	A novel teaching-learning-based optimization algorithm for energy-efficient scheduling in hybrid flow shop. <i>IEEE Transactions on Engineering Management</i> , 2018 , 65, 330-340	2.6	67
574	An efficient memetic algorithm for solving the job shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2011 , 60, 699-705	6.4	67
573	A multi-objective cellular grey wolf optimizer for hybrid flowshop scheduling problem considering noise pollution. <i>Applied Soft Computing Journal</i> , 2019 , 75, 728-749	7.5	67
572	Multi-objective optimization algorithms for flow shop scheduling problem: a review and prospects. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 55, 723-739	3.2	65
571	Topology optimization for multiscale design of porous composites with multi-domain microstructures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 344, 451-476	5.7	64
570	A semi-supervised convolutional neural network-based method for steel surface defect recognition. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020 , 61, 101825	9.2	64

569	Real-time estimation error-guided active learning Kriging method for time-dependent reliability analysis. <i>Applied Mathematical Modelling</i> , 2020 , 77, 82-98	4.5	64
568	An active learning reliability method combining Kriging constructed with exploration and exploitation of failure region and subset simulation. <i>Reliability Engineering and System Safety</i> , 2019 , 188, 90-102	6.3	62
567	Topological shape optimization of 3D micro-structured materials using energy-based homogenization method. <i>Advances in Engineering Software</i> , 2018 , 116, 89-102	3.6	62
566	A hybrid particle swarm optimization with estimation of distribution algorithm for solving permutation flowshop scheduling problem. <i>Expert Systems With Applications</i> , 2011 , 38, 4348-4360	7.8	62
565	A review on Integrated Process Planning and Scheduling. <i>International Journal of Manufacturing Research</i> , 2010 , 5, 161	0.4	62
564	Integrated design of cellular composites using a level-set topology optimization method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 309, 453-475	5.7	61
563	Integrated process planning and scheduling using an imperialist competitive algorithm. <i>International Journal of Production Research</i> , 2012 , 50, 4326-4343	7.8	61
562	An effective shuffled frog-leaping algorithm for lot-streaming flow shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 52, 699-713	3.2	60
561	Application of an efficient modified particle swarm optimization algorithm for process planning. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 67, 1355-1369	3.2	59
560	A new subset based deep feature learning method for intelligent fault diagnosis of bearing. <i>Expert Systems With Applications</i> , 2018 , 110, 125-142	7.8	58
559	A chaotic harmony search algorithm for the flow shop scheduling problem with limited buffers. <i>Applied Soft Computing Journal</i> , 2011 , 11, 5270-5280	7.5	58
558	Impact of advanced manufacturing on sustainability: An overview of the special volume on advanced manufacturing for sustainability and low fossil carbon emissions. <i>Journal of Cleaner Production</i> , 2017 , 161, 69-74	10.3	57
557	An optimal shifting vector approach for efficient probabilistic design. <i>Structural and Multidisciplinary Optimization</i> , 2013 , 47, 905-920	3.6	57
556	Multi-objective design optimization for mini-channel cooling battery thermal management system in an electric vehicle. <i>International Journal of Energy Research</i> , 2019 , 43, 3668-3680	4.5	56
555	A hybrid backtracking search algorithm for permutation flow-shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2015 , 85, 437-446	6.4	56
554	Maximizing natural frequencies of inhomogeneous cellular structures by Kriging-assisted multiscale topology optimization. <i>Computers and Structures</i> , 2020 , 230, 106197	4.5	56
553	Topology optimization for auxetic metamaterials based on isogeometric analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 352, 211-236	5.7	55
552	Energy-efficient multi-pass turning operation using multi-objective backtracking search algorithm. <i>Journal of Cleaner Production</i> , 2016 , 137, 1516-1531	10.3	55

551	An improved adaptive differential evolution algorithm for continuous optimization. <i>Expert Systems With Applications</i> , 2016 , 44, 1-12	7.8	55
550	An important boundary sampling method for reliability-based design optimization using kriging model. <i>Structural and Multidisciplinary Optimization</i> , 2015 , 52, 55-70	3.6	54
549	An Effective Multiobjective Algorithm for Energy-Efficient Scheduling in a Real-Life Welding Shop. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 5400-5409	11.9	54
548	An effective modified migrating birds optimization for hybrid flowshop scheduling problem with lot streaming. <i>Applied Soft Computing Journal</i> , 2017 , 52, 14-27	7.5	53
547	Disassembly sequence planning using a Simplified Teaching-Learning-Based Optimization algorithm. <i>Advanced Engineering Informatics</i> , 2014 , 28, 518-527	7.4	53
546	An adaptive hybrid single-loop method for reliability-based design optimization using iterative control strategy. <i>Structural and Multidisciplinary Optimization</i> , 2017 , 56, 1271-1286	3.6	52
545	Energy conservation in manufacturing operations: modelling the milling process by a new complexity-based evolutionary approach. <i>Journal of Cleaner Production</i> , 2015 , 108, 34-45	10.3	51
544	Application of memetic algorithm in assembly sequence planning. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 49, 1175-1184	3.2	50
543	A multi-objective discrete flower pollination algorithm for stochastic two-sided partial disassembly line balancing problem. <i>Computers and Industrial Engineering</i> , 2019 , 130, 634-649	6.4	49
542	Backtracking Search Algorithm with three constraint handling methods for constrained optimization problems. <i>Expert Systems With Applications</i> , 2015 , 42, 7831-7845	7.8	49
541	A hybrid variable-fidelity global approximation modelling method combining tuned radial basis function base and kriging correction. <i>Journal of Engineering Design</i> , 2013 , 24, 604-622	1.8	49
540	A New Two-Level Hierarchical Diagnosis Network Based on Convolutional Neural Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 330-338	5.2	49
539	A multi-start variable neighbourhood descent algorithm for hybrid flowshop rescheduling. <i>Swarm and Evolutionary Computation</i> , 2019 , 45, 92-112	9.8	48
538	A new differential evolution algorithm with a hybrid mutation operator and self-adapting control parameters for global optimization problems. <i>Applied Intelligence</i> , 2015 , 42, 642-660	4.9	48
537	A shuffled multi-swarm micro-migrating birds optimizer for a multi-resource-constrained flexible job shop scheduling problem. <i>Information Sciences</i> , 2016 , 372, 655-676	7.7	48
536	A multiobjective evolutionary algorithm based on decomposition for hybrid flowshop green scheduling problem. <i>Computers and Industrial Engineering</i> , 2019 , 136, 325-344	6.4	48
535	Probability and interval hybrid reliability analysis based on adaptive local approximation of projection outlines using support vector machine. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2019 , 34, 991-1009	8.4	48
534	Multiscale concurrent topology optimization for cellular structures with multiple microstructures based on ordered SIMP interpolation. <i>Computational Materials Science</i> , 2018 , 155, 74-91	3.2	47

533	An Improved Artificial Bee Colony algorithm for real-world hybrid flowshop rescheduling in Steelmaking-refining-Continuous Casting process. <i>Computers and Industrial Engineering</i> , 2018 , 122, 235-250	6.4	47
532	Stress-based multi-material topology optimization of compliant mechanisms. <i>International Journal for Numerical Methods in Engineering</i> , 2018 , 113, 1021-1044	2.4	46
531	A multi-objective approach to welding shop scheduling for makespan, noise pollution and energy consumption. <i>Journal of Cleaner Production</i> , 2018 , 196, 773-787	10.3	46
530	An active learning genetic algorithm for integrated process planning and scheduling. <i>Expert Systems With Applications</i> , 2012 , 39, 6683-6691	7.8	45
529	Evolving scheduling rules with gene expression programming for dynamic single-machine scheduling problems. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 50, 729-747	3.2	45
528	A level set method for topological shape optimization of 3D structures with extrusion constraints. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015 , 283, 615-635	5.7	44
527	An application of evolutionary system identification algorithm in modelling of energy production system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 114, 122-131	4.6	43
526	Optimization of process planning with various flexibilities using an imperialist competitive algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 59, 815-828	3.2	43
525	Modeling and optimization of multi-objective partial disassembly line balancing problem considering hazard and profit. <i>Journal of Cleaner Production</i> , 2019 , 211, 115-133	10.3	43
524	A Three-Stage Multiobjective Approach Based on Decomposition for an Energy-Efficient Hybrid Flow Shop Scheduling Problem. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 4984-4999	7.3	43
523	Multiscale topology optimization for minimizing frequency responses of cellular composites with connectable graded microstructures. <i>Mechanical Systems and Signal Processing</i> , 2020 , 135, 106369	7.8	42
522	Surrogate-guided differential evolution algorithm for high dimensional expensive problems. <i>Swarm and Evolutionary Computation</i> , 2019 , 48, 288-311	9.8	41
521	An Effective Hybrid Genetic Algorithm and Variable Neighborhood Search for Integrated Process Planning and Scheduling in a Packaging Machine Workshop. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1933-1945	7.3	41
520	Review on flexible job shop scheduling. <i>IET Collaborative Intelligent Manufacturing</i> , 2019 , 1, 67-77	2	40
519	Dynamic rescheduling in FMS that is simultaneously considering energy consumption and schedule efficiency. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 87, 1387-1399	3.2	39
518	A holonic architecture of the concurrent integrated process planning system. <i>Journal of Materials Processing Technology</i> , 2003 , 139, 267-272	5.3	39
517	An active failure-pursuing Kriging modeling method for time-dependent reliability analysis. <i>Mechanical Systems and Signal Processing</i> , 2019 , 129, 112-129	7.8	38
516	Concurrent topology optimization of multiscale composite structures in Matlab. <i>Structural and Multidisciplinary Optimization</i> , 2019 , 60, 2621-2651	3.6	38

515	High resolution polarimeter-interferometer system for fast equilibrium dynamics and MHD instability studies on Joint-TEXT tokamak (invited). <i>Review of Scientific Instruments</i> , 2014 , 85, 11D303	1.7	38
514	Adaptive Fog Configuration for the Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4656-4664	11.9	37
513	An improved electromagnetism-like mechanism algorithm for constrained optimization. <i>Expert Systems With Applications</i> , 2013 , 40, 5621-5634	7.8	37
512	Energy-efficient distributed permutation flow shop scheduling problem using a multi-objective whale swarm algorithm. <i>Swarm and Evolutionary Computation</i> , 2020 , 57, 100716	9.8	37
511	Intelligent fault diagnosis of rotating machinery using a new ensemble deep auto-encoder method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 151, 107232	4.6	37
510	An effective iterated greedy method for the distributed permutation flowshop scheduling problem with sequence-dependent setup times. <i>Swarm and Evolutionary Computation</i> , 2020 , 59, 100742	9.8	37
509	A probability and integrated learning based classification algorithm for high-level human emotion recognition problems. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 150, 107049	4.6	37
508	An effective cellular particle swarm optimization for parameters optimization of a multi-pass milling process. <i>Applied Soft Computing Journal</i> , 2012 , 12, 3490-3499	7.5	36
507	Efficient Generalized Surrogate-Assisted Evolutionary Algorithm for High-Dimensional Expensive Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 365-379	15.6	36
506	A new methodology for multi-objective multidisciplinary design optimization problems based on game theory. <i>Expert Systems With Applications</i> , 2015 , 42, 1602-1612	7.8	35
505	A Comprehensive Approach for the Clustering of Similar-Performance Cells for the Design of a Lithium-Ion Battery Module for Electric Vehicles. <i>Engineering</i> , 2019 , 5, 795-802	9.7	35
504	Address business crisis caused by COVID-19 with collaborative intelligent manufacturing technologies. <i>IET Collaborative Intelligent Manufacturing</i> , 2020 , 2, 96-99	2	35
503	A finite element based data analytics approach for modeling turning process of Inconel 718 alloys. <i>Journal of Cleaner Production</i> , 2016 , 137, 1619-1627	10.3	35
502	Ensemble of surrogates assisted particle swarm optimization of medium scale expensive problems. <i>Applied Soft Computing Journal</i> , 2019 , 74, 291-305	7.5	35
501	Parallel chaotic local search enhanced harmony search algorithm for engineering design optimization. <i>Journal of Intelligent Manufacturing</i> , 2019 , 30, 405-428	6.7	35
500	Effective constructive heuristics and discrete bee colony optimization for distributed flowshop with setup times. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 97, 104016	7.2	35
499	A hybrid and adaptive tool-path generation approach of rapid prototyping and manufacturing for biomedical models. <i>Computers in Industry</i> , 2013 , 64, 336-349	11.6	34
498	Optimization of flexible process planning by genetic programming. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 38, 143-153	3.2	34

497	Design of shell-infill structures by a multiscale level set topology optimization method. <i>Computers and Structures</i> , 2019 , 212, 162-172	4.5	34
496	A hybrid algorithm based on a new neighborhood structure evaluation method for job shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2015 , 88, 417-429	6.4	33
495	An improved artificial bee colony algorithm for distributed heterogeneous hybrid flowshop scheduling problem with sequence-dependent setup times. <i>Computers and Industrial Engineering</i> , 2020 , 147, 106638	6.4	33
494	An efficient surrogate-assisted particle swarm optimization algorithm for high-dimensional expensive problems. <i>Knowledge-Based Systems</i> , 2019 , 184, 104901	7.3	33
493	Topological design of sandwich structures with graded cellular cores by multiscale optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 361, 112749	5.7	33
492	A hybrid genetic algorithm with variable neighborhood search for dynamic integrated process planning and scheduling. <i>Computers and Industrial Engineering</i> , 2016 , 102, 99-112	6.4	33
491	Metamodeling for high dimensional design problems by multi-fidelity simulations. <i>Structural and Multidisciplinary Optimization</i> , 2017 , 56, 151-166	3.6	32
490	A design framework for gradually stiffer mechanical metamaterial induced by negative Poisson's ratio property. <i>Materials and Design</i> , 2020 , 192, 108751	8.1	32
489	An enhanced RBF-HDMR integrated with an adaptive sampling method for approximating high dimensional problems in engineering design. <i>Structural and Multidisciplinary Optimization</i> , 2016 , 53, 1209-1229 ³²	3.6	32
488	An efficient method for reliability analysis under epistemic uncertainty based on evidence theory and support vector regression. <i>Journal of Engineering Design</i> , 2015 , 26, 340-364	1.8	31
487	An improved two-stage framework of evidence-based design optimization. <i>Structural and Multidisciplinary Optimization</i> , 2018 , 58, 1673-1693	3.6	31
486	Honey bees mating optimization algorithm for process planning problem. <i>Journal of Intelligent Manufacturing</i> , 2014 , 25, 459-472	6.7	31
485	A modified colonial competitive algorithm for the mixed-model U-line balancing and sequencing problem. <i>International Journal of Production Research</i> , 2012 , 50, 5117-5131	7.8	31
484	Multi-objective optimal design of hybrid renewable energy system under multiple scenarios. <i>Renewable Energy</i> , 2020 , 151, 226-237	8.1	30
483	Iterative reliable design space approach for efficient reliability-based design optimization. <i>Engineering With Computers</i> , 2020 , 36, 151-169	4.5	30
482	Energy-efficient job shop scheduling problem with variable spindle speed using a novel multi-objective algorithm. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401769595	1.2	29
481	Study of effect of nanofluid concentration on response characteristics of machining process for cleaner production. <i>Journal of Cleaner Production</i> , 2016 , 135, 476-489	10.3	29
480	An efficient modified harmony search algorithm with intersect mutation operator and cellular local search for continuous function optimization problems. <i>Applied Intelligence</i> , 2016 , 44, 725-753	4.9	29

479	A molecular simulation based computational intelligence study of a nano-machining process with implications on its environmental performance. <i>Swarm and Evolutionary Computation</i> , 2015 , 21, 54-63	9.8	29
478	A new approach for predicting and collaborative evaluating the cutting force in face milling based on gene expression programming. <i>Journal of Network and Computer Applications</i> , 2013 , 36, 1540-1550	7.9	29
477	An expert system using rough sets theory for aided conceptual design of ship engine room automation. <i>Expert Systems With Applications</i> , 2009 , 36, 3223-3233	7.8	29
476	A new ensemble residual convolutional neural network for remaining useful life estimation. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 862-880	2.1	29
475	An effective multi-start iterated greedy algorithm to minimize makespan for the distributed permutation flowshop scheduling problem with preventive maintenance. <i>Expert Systems With Applications</i> , 2021 , 169, 114495	7.8	29
474	A multi-objective hot-rolling scheduling problem in the compact strip production. <i>Applied Mathematical Modelling</i> , 2019 , 73, 327-348	4.5	28
473	An individual dependent multi-colony artificial bee colony algorithm. <i>Information Sciences</i> , 2019 , 485, 114-140	7.7	28
472	Topology-optimized lattice structures with simultaneously high stiffness and light weight fabricated by selective laser melting: Design, manufacturing and characterization. <i>Journal of Manufacturing Processes</i> , 2020 , 56, 1166-1177	5	28
471	Characterization of the tensile properties of friction stir welded aluminum alloy joints based on axial force, traverse speed, and rotational speed. <i>Frontiers of Mechanical Engineering</i> , 2016 , 11, 289-298	3.3	28
470	A new multiscale topology optimization method for multiphase composite structures of frequency response with level sets. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 356, 116-144	5.7	28
469	A level-set-based topology and shape optimization method for continuum structure under geometric constraints. <i>Structural and Multidisciplinary Optimization</i> , 2014 , 50, 253-273	3.6	28
468	Analysis of gene expression programming for approximation in engineering design. <i>Structural and Multidisciplinary Optimization</i> , 2012 , 46, 399-413	3.6	28
467	Power consumption and tool life models for the production process. <i>Journal of Cleaner Production</i> , 2016 , 131, 754-764	10.3	28
466	Isogeometric topology optimization for continuum structures using density distribution function. <i>International Journal for Numerical Methods in Engineering</i> , 2019 , 119, 991-1017	2.4	27
465	Assembly sequence planning based on an improved harmony search algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 2367-2380	3.2	27
464	Adaptive Radial-Basis-Function-Based Multifidelity Metamodeling for Expensive Black-Box Problems. <i>AIAA Journal</i> , 2017 , 55, 2424-2436	2.1	26
463	Partial disassembly line balancing for energy consumption and profit under uncertainty. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019 , 59, 235-251	9.2	26
462	A molecular dynamics based artificial intelligence approach for characterizing thermal transport in nanoscale material. <i>Thermochimica Acta</i> , 2014 , 594, 39-49	2.9	26

461	Combined CI-MD approach in formulation of engineering moduli of single layer graphene sheet. <i>Simulation Modelling Practice and Theory</i> , 2014 , 48, 93-111	3.9	26
460	A generalised collaborative optimisation method and its combination with kriging metamodels for engineering design. <i>Journal of Engineering Design</i> , 2012 , 23, 379-399	1.8	26
459	An effective Iterated Greedy algorithm for the distributed permutation flowshop scheduling with due windows. <i>Applied Soft Computing Journal</i> , 2020 , 96, 106629	7.5	26
458	A Multilevel Information Fusion-Based Deep Learning Method for Vision-Based Defect Recognition. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 3980-3991	5.2	25
457	An on-line variable-fidelity surrogate-assisted harmony search algorithm with multi-level screening strategy for expensive engineering design optimization. <i>Knowledge-Based Systems</i> , 2019 , 170, 1-19	7.3	25
456	Topology optimization of multi-material structures with graded interfaces. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 346, 1096-1117	5.7	25
455	A Systematic Literature Review on Particle Swarm Optimization Techniques for Medical Diseases Detection. <i>Computational and Mathematical Methods in Medicine</i> , 2021 , 2021, 5990999	2.8	25
454	Energy-Efficient Scheduling of Distributed Flow Shop With Heterogeneous Factories: A Real-World Case From Automobile Industry in China. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 6687-6696 ^{11.9}		25
453	Ensemble deep contractive auto-encoders for intelligent fault diagnosis of machines under noisy environment. <i>Knowledge-Based Systems</i> , 2020 , 196, 105764	7.3	24
452	A NURBS-based Multi-Material Interpolation (N-MMI) for isogeometric topology optimization of structures. <i>Applied Mathematical Modelling</i> , 2020 , 81, 818-843	4.5	24
451	An empirical model design for evaluation and estimation of carbonation depth in concrete. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 124, 205-210	4.6	24
450	An embedded simulation approach for modeling the thermal conductivity of 2D nanoscale material. <i>Simulation Modelling Practice and Theory</i> , 2014 , 44, 1-13	3.9	24
449	Reactive scheduling in a job shop where jobs arrive over time. <i>Computers and Industrial Engineering</i> , 2013 , 66, 389-405	6.4	24
448	A Semantic Information Services Framework for Sustainable WEEE Management Toward Cloud-Based Remanufacturing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2015 , 137,	3.3	24
447	Fast and accurate parameter extraction for different types of fuel cells with decomposition and nature-inspired optimization method. <i>Energy Conversion and Management</i> , 2018 , 174, 913-921	10.6	24
446	Particle swarm optimization hybridized with genetic algorithm for uncertain integrated process planning and scheduling with interval processing time. <i>Computers and Industrial Engineering</i> , 2019 , 135, 1036-1046	6.4	23
445	Topology Optimization of Periodic Structures With Substructuring. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2019 , 141,	3	23
444	Isogeometric topology optimization for computational design of re-entrant and chiral auxetic composites. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 362, 112876	5.7	23

443	An energy-efficient bi-objective no-wait permutation flowshop scheduling problem to minimize total tardiness and total energy consumption. <i>Computers and Industrial Engineering</i> , 2020 , 145, 106431	6.4	23
442	Isogeometric topology optimization for rational design of ultra-lightweight architected materials. <i>International Journal of Mechanical Sciences</i> , 2020 , 166, 105103	5.5	23
441	Sustainable scheduling of distributed permutation flow-shop with non-identical factory using a knowledge-based multi-objective memetic optimization algorithm. <i>Swarm and Evolutionary Computation</i> , 2021 , 60, 100803	9.8	23
440	A mathematical model and two-stage heuristic for hot rolling scheduling in compact strip production. <i>Applied Mathematical Modelling</i> , 2017 , 48, 516-533	4.5	22
439	An adaptive SVR-HDMR model for approximating high dimensional problems. <i>Engineering Computations</i> , 2015 , 32, 643-667	1.4	22
438	Robust topology optimization of thermoelastic metamaterials considering hybrid uncertainties of material property. <i>Composite Structures</i> , 2020 , 248, 112477	5.3	22
437	A hybrid variable neighborhood search algorithm for the hot rolling batch scheduling problem in compact strip production. <i>Computers and Industrial Engineering</i> , 2018 , 116, 22-36	6.4	22
436	A probabilistic feasible region approach for reliability-based design optimization. <i>Structural and Multidisciplinary Optimization</i> , 2018 , 57, 359-372	3.6	22
435	A prior-knowledge input LSSVR metamodeling method with tuning based on cellular particle swarm optimization for engineering design. <i>Expert Systems With Applications</i> , 2014 , 41, 2111-2125	7.8	22
434	An effective hybrid collaborative algorithm for energy-efficient distributed permutation flow-shop inverse scheduling. <i>Future Generation Computer Systems</i> , 2021 ,	7.5	22
433	A discrete artificial bee colony algorithm for distributed hybrid flowshop scheduling problem with sequence-dependent setup times. <i>International Journal of Production Research</i> , 2021 , 59, 3880-3899	7.8	22
432	Dynamic multiscale topology optimization for multi-regional micro-structured cellular composites. <i>Composite Structures</i> , 2019 , 211, 401-417	5.3	22
431	Concurrent topology optimization for cellular structures with nonuniform microstructures based on the kriging metamodel. <i>Structural and Multidisciplinary Optimization</i> , 2019 , 59, 1273-1299	3.6	22
430	Robust topology optimization for multi-material structures under interval uncertainty. <i>Applied Mathematical Modelling</i> , 2020 , 78, 627-647	4.5	22
429	A fast surrogate-assisted particle swarm optimization algorithm for computationally expensive problems. <i>Applied Soft Computing Journal</i> , 2020 , 92, 106303	7.5	22
428	Surrogate based multi-objective design optimization of lithium-ion battery air-cooled system in electric vehicles. <i>Journal of Energy Storage</i> , 2020 , 31, 101645	7.8	21
427	A novel robotic grasp detection method based on region proposal networks. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020 , 65, 101963	9.2	21
426	A Discrete Electromagnetism-Like Mechanism Algorithm for Solving Distributed Permutation Flowshop Scheduling Problem 2010 ,		21

425	Spatial-varying multi-phase infill design using density-based topology optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 372, 113354	5.7	21
424	Energy-Efficient Scheduling Problem Using an Effective Hybrid Multi-Objective Evolutionary Algorithm. <i>Sustainability</i> , 2016 , 8, 1268	3.6	21
423	A Surrogate-Assisted Multiswarm Optimization Algorithm for High-Dimensional Computationally Expensive Problems. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1390-1402	10.2	21
422	Multi-objective optimization based reverse strategy with differential evolution algorithm for constrained optimization problems. <i>Expert Systems With Applications</i> , 2015 , 42, 5976-5987	7.8	20
421	Engineering design optimization using an improved local search based epsilon differential evolution algorithm. <i>Journal of Intelligent Manufacturing</i> , 2018 , 29, 1559-1580	6.7	20
420	A new method based on adaptive volume constraint and stress penalty for stress-constrained topology optimization. <i>Structural and Multidisciplinary Optimization</i> , 2018 , 57, 1163-1185	3.6	20
419	Topology optimization of shell-infill structures using a distance regularized parametric level-set method. <i>Structural and Multidisciplinary Optimization</i> , 2019 , 59, 249-262	3.6	20
418	Sequential optimisation and reliability assessment for multidisciplinary design optimisation under hybrid uncertainty of randomness and fuzziness. <i>Journal of Engineering Design</i> , 2013 , 24, 363-382	1.8	20
417	A Fast Charging-Cooling Coupled Scheduling Method for a Liquid Cooling-Based Thermal Management System for Lithium-Ion Batteries. <i>Engineering</i> , 2020 , 7, 1165-1165	9.7	20
416	Surrogate-assisted classification-collaboration differential evolution for expensive constrained optimization problems. <i>Information Sciences</i> , 2020 , 508, 50-63	7.7	20
415	Ensemble of surrogates with hybrid method using global and local measures for engineering design. <i>Structural and Multidisciplinary Optimization</i> , 2018 , 57, 1711-1729	3.6	20
414	A New Ensemble Approach based on Deep Convolutional Neural Networks for Steel Surface Defect classification. <i>Procedia CIRP</i> , 2018 , 72, 1069-1072	1.8	20
413	A New Reinforcement Learning Based Learning Rate Scheduler for Convolutional Neural Network in Fault Classification. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 12890-12900	8.9	20
412	Modeling and impact factors analyzing of energy consumption in CNC face milling using GRASP gene expression programming. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 87, 1247-1263	3.2	19
411	A new hybrid reliability-based design optimization method under random and interval uncertainties. <i>International Journal for Numerical Methods in Engineering</i> , 2020 , 121, 4435-4457	2.4	19
410	An effective discrete artificial bee colony algorithm for multi-AGVs dispatching problem in a matrix manufacturing workshop. <i>Expert Systems With Applications</i> , 2020 , 161, 113675	7.8	19
409	A Web services and process-view combined approach for process management of collaborative product development. <i>Computers in Industry</i> , 2009 , 60, 416-427	11.6	19
408	Electrochemical performance investigation of LiFePO ₄ /C _{0.15-x} (x=0.05, 0.1, 0.15 CNTs) electrodes at various calcination temperatures: Experimental and Intelligent Modelling approach. <i>Electrochimica Acta</i> , 2020 , 330, 135314	6.7	19

407	Full-scale topology optimization for fiber-reinforced structures with continuous fiber paths. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 377, 113668	5.7	19
406	A screening-based gradient-enhanced Kriging modeling method for high-dimensional problems. <i>Applied Mathematical Modelling</i> , 2019 , 69, 15-31	4.5	19
405	A Generative Adversarial Network Based Deep Learning Method for Low-Quality Defect Image Reconstruction and Recognition. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 3231-3240	11.9	19
404	A genetic simulated annealing algorithm for parallel partial disassembly line balancing problem. <i>Applied Soft Computing Journal</i> , 2021 , 107, 107404	7.5	19
403	A multi-point sampling method based on kriging for global optimization. <i>Structural and Multidisciplinary Optimization</i> , 2017 , 56, 71-88	3.6	18
402	A Modified Iterated Greedy Algorithm for Flexible Job Shop Scheduling Problem. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2019 , 32,	2.5	18
401	A New Snapshot Ensemble Convolutional Neural Network for Fault Diagnosis. <i>IEEE Access</i> , 2019 , 7, 32037-32047	3.3	18
400	EEK-SYS: System reliability analysis through estimation error-guided adaptive Kriging approximation of multiple limit state surfaces. <i>Reliability Engineering and System Safety</i> , 2020 , 198, 106908	6.3	18
399	Adjust weight vectors in MOEA/D for bi-objective optimization problems with discontinuous Pareto fronts. <i>Soft Computing</i> , 2018 , 22, 3997-4012	3.5	18
398	Fracture mechanics modelling of lithium-ion batteries under pinch torsion test. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 114, 382-389	4.6	18
397	An ensemble fruit fly optimization algorithm for solving range image registration to improve quality inspection of free-form surface parts. <i>Information Sciences</i> , 2016 , 367-368, 953-974	7.7	18
396	Recent progress of the HCN interferometer on J-TEXT tokamak. <i>Review of Scientific Instruments</i> , 2012 , 83, 10E303	1.7	18
395	A Comprehensive Review of Isogeometric Topology Optimization: Methods, Applications and Prospects. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2020 , 33,	2.5	18
394	Multi-objective cellular particle swarm optimization for wellbore trajectory design. <i>Applied Soft Computing Journal</i> , 2019 , 77, 106-117	7.5	18
393	Design of sandwich panels with truss cores using explicit topology optimization. <i>Composite Structures</i> , 2019 , 210, 892-905	5.3	18
392	A zero-shot learning method for fault diagnosis under unknown working loads. <i>Journal of Intelligent Manufacturing</i> , 2020 , 31, 899-909	6.7	18
391	A new graph-based semi-supervised method for surface defect classification. <i>Robotics and Computer-Integrated Manufacturing</i> , 2021 , 68, 102083	9.2	18
390	An improved iterated greedy algorithm for the distributed assembly permutation flowshop scheduling problem. <i>Computers and Industrial Engineering</i> , 2021 , 152, 107021	6.4	18

389	A new method for reliability analysis of structures with mixed random and convex variables. <i>Applied Mathematical Modelling</i> , 2019 , 70, 206-220	4.5	17
388	Multi-objective based scheduling algorithm for sudden drinking water contamination incident. <i>Swarm and Evolutionary Computation</i> , 2020 , 55, 100674	9.8	17
387	Multi-stage design space reduction and metamodeling optimization method based on self-organizing maps and fuzzy clustering. <i>Expert Systems With Applications</i> , 2016 , 46, 180-195	7.8	17
386	A hybrid intelligent algorithm and rescheduling technique for job shop scheduling problems with disruptions. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 65, 1141-1156	3.2	17
385	Development of recycling strategy for large stacked systems: Experimental and machine learning approach to form reuse battery packs for secondary applications. <i>Journal of Cleaner Production</i> , 2020 , 275, 124152	10.3	17
384	Maximum variation analysis based analytical target cascading for multidisciplinary robust design optimization under interval uncertainty. <i>Advanced Engineering Informatics</i> , 2019 , 40, 81-92	7.4	16
383	Difference mapping method using least square support vector regression for variable-fidelity metamodeling. <i>Engineering Optimization</i> , 2015 , 47, 719-736	2	16
382	A new AGV scheduling algorithm based on harmony search for material transfer in a real-world manufacturing system. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401876556	1.2	16
381	A parameterized lower confidence bounding scheme for adaptive metamodel-based design optimization. <i>Engineering Computations</i> , 2016 , 33, 2165-2184	1.4	16
380	Constrained differential evolution with pre-estimated comparison using gradient-based approximation for constrained optimization problems. <i>Expert Systems With Applications</i> , 2016 , 44, 37-49	7.8	16
379	Two-layer adaptive surrogate-assisted evolutionary algorithm for high-dimensional computationally expensive problems. <i>Journal of Global Optimization</i> , 2019 , 74, 327-359	1.5	15
378	Electromagnetism-like algorithms for optimized tool path planning in 5-axis flank machining. <i>Computers and Industrial Engineering</i> , 2015 , 84, 70-78	6.4	15
377	Evaluation of batteries residual energy for battery pack recycling: Proposition of stack stress-coupled-AI approach. <i>Journal of Energy Storage</i> , 2019 , 26, 101001	7.8	15
376	A Modified Genetic Algorithm With New Encoding and Decoding Methods for Integrated Process Planning and Scheduling Problem. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4429-4438	10.2	15
375	Service-oriented disassembly sequence planning for electrical and electronic equipment waste. <i>Electronic Commerce Research and Applications</i> , 2016 , 20, 59-68	4.6	15
374	Sequential approximation optimization assisted particle swarm optimization for expensive problems. <i>Applied Soft Computing Journal</i> , 2019 , 83, 105659	7.5	14
373	Eigenvalue topology optimization of structures using a parameterized level set method. <i>Structural and Multidisciplinary Optimization</i> , 2014 , 50, 573-591	3.6	14
372	A process-view approach for cross-organizational workflows management. <i>Advanced Engineering Informatics</i> , 2010 , 24, 229-240	7.4	14

371	An expert system using rough sets theory and self-organizing maps to design space exploration of complex products. <i>Expert Systems With Applications</i> , 2010 , 37, 7364-7372	7.8	14
370	Game theory-based Cooperation of Process Planning and Scheduling 2008 ,		14
369	Energy consumption and profit-oriented disassembly line balancing for waste electrical and electronic equipment. <i>Journal of Cleaner Production</i> , 2020 , 265, 121829	10.3	14
368	Lithium-Ion Battery Packs Formation With Improved Electrochemical Performance for Electric Vehicles: Experimental and Clustering Analysis. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2019 , 16,	2	14
367	Convolutional Neural Network With Automatic Learning Rate Scheduler for Fault Classification. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-12	5.2	14
366	Differential evolution algorithm-based range image registration for free-form surface parts quality inspection. <i>Swarm and Evolutionary Computation</i> , 2017 , 36, 106-123	9.8	13
365	A decomposition and statistical learning based many-objective artificial bee colony optimizer. <i>Information Sciences</i> , 2019 , 496, 82-108	7.7	13
364	A Variable Block Insertion Heuristic for Solving Permutation Flow Shop Scheduling Problem with Makespan Criterion. <i>Algorithms</i> , 2019 , 12, 100	1.8	13
363	A VF-SLP framework using least squares hybrid scaling for RBDO. <i>Structural and Multidisciplinary Optimization</i> , 2017 , 55, 1629-1640	3.6	13
362	An agent- and service-based collaborative design architecture under a dynamic integration environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2007 , 35, 15-25	3.2	13
361	Credit Scoring Model Based on Neural Network with Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , 2006 , 76-79	0.9	13
360	Electrochemical Performance Enhancement of Sodium-Ion Batteries Fabricated With NaNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ Cathodes Using Support Vector Regression-Simplex Algorithm Approach. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2020 , 17,	2	13
359	Illusion thermotics with topology optimization. <i>Journal of Applied Physics</i> , 2020 , 128, 045106	2.5	13
358	Evolutionary algorithms for many-objective cloud service composition: Performance assessments and comparisons. <i>Swarm and Evolutionary Computation</i> , 2019 , 51, 100605	9.8	13
357	Multidisciplinary robust design optimization under parameter and model uncertainties. <i>Engineering Optimization</i> , 2020 , 52, 426-445	2	13
356	Reusing the Past Difference Vectors in Differential Evolution-A Simple But Significant Improvement. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4821-4834	10.2	13
355	An improved parametric level set method for structural frequency response optimization problems. <i>Advances in Engineering Software</i> , 2018 , 126, 75-89	3.6	13
354	A novel Lagrangian relaxation level approach for scheduling steelmaking-refining-continuous casting production. <i>Journal of Central South University</i> , 2017 , 24, 467-477	2.1	12

353	A decomposition based evolutionary algorithm with direction vector adaption and selection enhancement. <i>Information Sciences</i> , 2019 , 501, 248-271	7.7	12
352	Optimization of expensive black-box problems via Gradient-enhanced Kriging. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 362, 112861	5.7	12
351	IHSCR: Energy-efficient clustering and routing for wireless sensor networks based on harmony search algorithm. <i>International Journal of Distributed Sensor Networks</i> , 2017 , 13, 155014771774110	1.7	12
350	Applying an electromagnetism-like mechanism algorithm on parameter optimisation of a multi-pass milling process. <i>International Journal of Production Research</i> , 2013 , 51, 1777-1788	7.8	12
349	A negative correlation ensemble transfer learning method for fault diagnosis based on convolutional neural network. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 3311-3330	2.1	12
348	Clonal selection based intelligent parameter inversion algorithm for prestack seismic data. <i>Information Sciences</i> , 2020 , 517, 86-99	7.7	12
347	Aging model development based on multidisciplinary parameters for lithium-ion batteries. <i>International Journal of Energy Research</i> , 2020 , 44, 2801-2818	4.5	12
346	Energy-efficient distributed heterogeneous welding flow shop scheduling problem using a modified MOEA/D. <i>Swarm and Evolutionary Computation</i> , 2021 , 62, 100858	9.8	12
345	A Review on Recent Advances in Vision-based Defect Recognition towards Industrial Intelligence. <i>Journal of Manufacturing Systems</i> , 2021 , 62, 753-753	9.1	12
344	A Jointed Signal Analysis and Convolutional Neural Network Method for Fault Diagnosis. <i>Procedia CIRP</i> , 2018 , 72, 1084-1087	1.8	12
343	Topology optimization of material microstructures using energy-based homogenization method under specified initial material layout. <i>Journal of Mechanical Science and Technology</i> , 2019 , 33, 677-693	1.6	11
342	Ensemble of metaheuristics for energy-efficient hybrid flowshops: Makespan versus total energy consumption. <i>Swarm and Evolutionary Computation</i> , 2020 , 54, 100660	9.8	11
341	A multi-objective algorithm for U-shaped disassembly line balancing with partial destructive mode. <i>Neural Computing and Applications</i> , 2020 , 32, 12715-12736	4.8	11
340	A two-stage support vector regression assisted sequential sampling approach for global metamodeling. <i>Structural and Multidisciplinary Optimization</i> , 2018 , 58, 1657-1672	3.6	11
339	Design of robust energy consumption model for manufacturing process considering uncertainties. <i>Journal of Cleaner Production</i> , 2018 , 172, 119-132	10.3	11
338	A new hybrid algorithm for unconstrained optimisation problems. <i>International Journal of Computer Applications in Technology</i> , 2013 , 46, 187	0.7	11
337	A local sampling method with variable radius for RBDO using Kriging. <i>Engineering Computations</i> , 2015 , 32, 1908-1933	1.4	11
336	Metaheuristic approaches to sequencing mixed-model fabrication/assembly systems with two objectives. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 48, 1159-1171	3.2	11

335	Application of gene expression programming on dynamic job shop scheduling problem 2011 ,		11
334	Variable Neighborhood Genetic Algorithm for the Flexible Job Shop Scheduling Problems. <i>Lecture Notes in Computer Science</i> , 2008 , 503-512	0.9	11
333	Time-dependent reliability analysis through projection outline-based adaptive Kriging. <i>Structural and Multidisciplinary Optimization</i> , 2020 , 61, 1453-1472	3.6	11
332	Improving Computer-Aided Cervical Cells Classification Using Transfer Learning Based Snapshot Ensemble. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7292	2.6	11
331	A discrete artificial bee colony algorithm for the distributed heterogeneous no-wait flowshop scheduling problem. <i>Applied Soft Computing Journal</i> , 2021 , 100, 106946	7.5	11
330	Recent Advancements in Battery Management System for Li-Ion Batteries of Electric Vehicles: Future Role of Digital Twin, Cyber-Physical Systems, Battery Swapping Technology, and Nondestructive Testing. <i>Energy Technology</i> , 2021 , 9, 2000984	3.5	11
329	A Privacy-Preserving Online Learning Approach for Incentive-Based Demand Response in Smart Grid. <i>IEEE Systems Journal</i> , 2019 , 13, 4208-4218	4.3	11
328	Unsupervised fault diagnosis method based on iterative multi-manifold spectral clustering. <i>IET Collaborative Intelligent Manufacturing</i> , 2019 , 1, 48-55	2	11
327	An Effective Multi-Objective Artificial Bee Colony Algorithm for Energy Efficient Distributed Job Shop Scheduling. <i>Procedia Manufacturing</i> , 2019 , 39, 1194-1203	1.5	11
326	Sensor-Assisted Weighted Average Ensemble Model for Detecting Major Depressive Disorder. <i>Sensors</i> , 2019 , 19,	3.8	11
325	Tasks assigning and sequencing of multiple AGVs based on an improved harmony search algorithm. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 4533-4546	3.7	11
324	Mathematical modeling and a hybrid evolutionary algorithm for process planning. <i>Journal of Intelligent Manufacturing</i> , 2021 , 32, 781-797	6.7	11
323	Production scheduling for blocking flowshop in distributed environment using effective heuristics and iterated greedy algorithm. <i>Robotics and Computer-Integrated Manufacturing</i> , 2021 , 71, 102155	9.2	11
322	Multi-objective inverse scheduling optimization of single-machine shop system with uncertain due-dates and processing times. <i>Cluster Computing</i> , 2017 , 20, 371-390	2.1	10
321	Chaotic-based grey wolf optimizer for numerical and engineering optimization problems. <i>Memetic Computing</i> , 2020 , 12, 371-398	3.4	10
320	Multidisciplinary robust design optimization considering parameter and metamodeling uncertainties. <i>Engineering With Computers</i> , 2020 , 1	4.5	10
319	An experimental investigation of liquid cooling scheduling for a battery module. <i>International Journal of Energy Research</i> , 2020 , 44, 3020-3032	4.5	10
318	An effective L-MONG algorithm for solving multi-objective flow-shop inverse scheduling problems. <i>Journal of Intelligent Manufacturing</i> , 2018 , 29, 789-807	6.7	10

317	A multi-objective migrating birds optimization algorithm for the hybrid flowshop rescheduling problem. <i>Soft Computing</i> , 2019 , 23, 8101-8129	3.5	10
316	A surrogate-assisted particle swarm optimization algorithm based on efficient global optimization for expensive black-box problems. <i>Engineering Optimization</i> , 2019 , 51, 549-566	2	10
315	Improvement on the mechanical properties of CA mortar and concrete composite specimens in high-speed railway by modification of interlayer bonding. <i>Construction and Building Materials</i> , 2019 , 228, 116758	6.7	10
314	Free Pattern Search for global optimization. <i>Applied Soft Computing Journal</i> , 2013 , 13, 3853-3863	7.5	10
313	A comprehensive study in quantification of response characteristics of incremental sheet forming process. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 89, 1353-1365	3.2	10
312	Topology optimization of structures under multiple loading cases with a new compliance-volume product. <i>Engineering Optimization</i> , 2014 , 46, 725-744	2	10
311	Discrete artificial bee colony algorithm for lot-streaming flowshop with total flowtime minimization. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2012 , 25, 990-1000	2.5	10
310	A Survey and Future Trend of Study on Multi-Objective Scheduling 2008 ,		10
309	A Pareto-based collaborative multi-objective optimization algorithm for energy-efficient scheduling of distributed permutation flow-shop with limited buffers. <i>Robotics and Computer-Integrated Manufacturing</i> , 2022 , 74, 102277	9.2	10
308	Whale Swarm Algorithm for Function Optimization. <i>Lecture Notes in Computer Science</i> , 2017 , 624-639	0.9	10
307	Experimental coupled predictive modelling based recycling of waste printed circuit boards for maximum extraction of copper. <i>Journal of Cleaner Production</i> , 2019 , 218, 763-771	10.3	10
306	Multi-objective optimization of lithium-ion battery pack casing for electric vehicles: Key role of materials design and their influence. <i>International Journal of Energy Research</i> , 2020 , 44, 9414-9437	4.5	10
305	Multiscale topology optimization for coated structures with multifarious-microstructural infill. <i>Structural and Multidisciplinary Optimization</i> , 2020 , 61, 1473-1494	3.6	10
304	Intelligent optimization methodology of battery pack for electric vehicles: A multidisciplinary perspective. <i>International Journal of Energy Research</i> , 2020 , 44, 9686-9706	4.5	10
303	Global and local Kriging limit state approximation for time-dependent reliability-based design optimization through wrong-classification probability. <i>Reliability Engineering and System Safety</i> , 2021 , 208, 107431	6.3	10
302	Improved collaboration pursuing method for multidisciplinary robust design optimization. <i>Structural and Multidisciplinary Optimization</i> , 2019 , 59, 1949-1968	3.6	10
301	Topology Optimization of Micro-Structured Materials Featured with the Specific Mechanical Properties. <i>International Journal of Computational Methods</i> , 2020 , 17, 1850144	1.1	10
300	An Effective Cooperative Co-Evolutionary Algorithm for Distributed Flowshop Group Scheduling Problems. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	10

299	Design of graded lattice sandwich structures by multiscale topology optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 384, 113949	5.7	10
298	Illustration of experimental, machine learning, and characterization methods for study of performance of Li-ion batteries. <i>International Journal of Energy Research</i> , 2020 , 44, 9513-9526	4.5	9
297	Production control policy for tandem workstations with constant service times and queue time constraints. <i>International Journal of Production Research</i> , 2016 , 54, 6302-6316	7.8	9
296	New Trends in Intelligent Manufacturing. <i>Engineering</i> , 2019 , 5, 619-620	9.7	9
295	An improved Q-learning based rescheduling method for flexible job-shops with machine failures 2019 ,		9
294	Equilibrium reconstruction based on core magnetic measurement and its applications on equilibrium transition in Joint-TEXT tokamak. <i>Review of Scientific Instruments</i> , 2014 , 85, 103501	1.7	9
293	A PSO-Fuzzy group decision-making support system in vehicle performance evaluation. <i>Mathematical and Computer Modelling</i> , 2010 , 52, 1921-1931		9
292	Optimization for Liquid Cooling Cylindrical Battery Thermal Management System Based on Gaussian Process Model. <i>Journal of Thermal Science and Engineering Applications</i> , 2021 , 13,	1.9	9
291	Evolutionary many-objective assembly of cloud services via angle and adversarial direction driven search. <i>Information Sciences</i> , 2020 , 513, 143-167	7.7	9
290	An Adaptive Iterated Greedy algorithm for distributed mixed no-idle permutation flowshop scheduling problems. <i>Swarm and Evolutionary Computation</i> , 2021 , 63, 100874	9.8	9
289	A hybrid Jaya algorithm for solving flexible job shop scheduling problem considering multiple critical paths. <i>Journal of Manufacturing Systems</i> , 2021 , 60, 298-311	9.1	9
288	A New Approach to Solve Uncertain Multidisciplinary Design Optimization Based on Conditional Value at Risk. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 356-368	4.9	9
287	An improved simulated annealing algorithm based on residual network for permutation flow shop scheduling. <i>Complex & Intelligent Systems</i> , 2021 , 7, 1173-1183	7.1	9
286	A discrete whale swarm algorithm for hybrid flow-shop scheduling problem with limited buffers. <i>Robotics and Computer-Integrated Manufacturing</i> , 2021 , 68, 102081	9.2	9
285	A Knowledge-Based Multiobjective Memetic Algorithm for Green Job Shop Scheduling With Variable Machining Speeds. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	9
284	Surrogate model-based heat dissipation optimization of air-cooling battery packs involving herringbone fins. <i>International Journal of Energy Research</i> , 2021 , 45, 8508-8523	4.5	9
283	Optimized tool path planning for five-axis flank milling of ruled surfaces using geometric decomposition strategy and multi-population harmony search algorithm. <i>Applied Soft Computing Journal</i> , 2018 , 73, 547-561	7.5	9
282	A hybrid multi-objective evolutionary algorithm with feedback mechanism. <i>Applied Intelligence</i> , 2018 , 48, 4149-4173	4.9	9

281	An Iterative Two-Phase Optimization Method Based on Divide and Conquer Framework for Integrated Scheduling of Multiple UAVs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 5926-5938	6.1	9
280	A dynamic parameter controlled harmony search algorithm for assembly sequence planning. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 92, 3399-3411	3.2	8
279	Design of explicit models for predicting the efficiency of heavy oil-sand detachment process by floatation technology. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 137, 122-129	4.6	8
278	Kinematic calibration method for a two-segment hydraulic leg based on an improved whale swarm algorithm. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019 , 59, 361-372	9.2	8
277	Improved non-maximum suppression for object detection using harmony search algorithm. <i>Applied Soft Computing Journal</i> , 2019 , 81, 105478	7.5	8
276	Maximization of extraction of Cadmium and Zinc during recycling of spent battery mix: An application of combined genetic programming and simulated annealing approach. <i>Journal of Cleaner Production</i> , 2019 , 218, 130-140	10.3	8
275	Dynamic control of welding current and welding time to investigate ultimate tensile strength of miab welded T11 tubes. <i>Journal of Manufacturing Processes</i> , 2018 , 32, 564-581	5	8
274	A multiple-design-point approach for reliability-based design optimization. <i>Engineering Optimization</i> , 2019 , 51, 875-895	2	8
273	Hybrid optimization algorithms by various structures for a real-world inverse scheduling problem with uncertain due-dates under single-machine shop systems. <i>Neural Computing and Applications</i> , 2019 , 31, 4595-4612	4.8	8
272	A distributed collaborative product design environment based on semantic norm model and role-based access control. <i>Journal of Network and Computer Applications</i> , 2013 , 36, 1431-1440	7.9	8
271	Finite Element Based Physical Chemical Modeling of Corrosion in Magnesium Alloys. <i>Metals</i> , 2017 , 7, 83	2.3	8
270	Analytical target cascading using ensemble of surrogates for engineering design problems. <i>Engineering Computations</i> , 2015 , 32, 2046-2066	1.4	8
269	Discrete electromagnetism-like mechanism algorithm for assembly sequences planning. <i>International Journal of Production Research</i> , 2014 , 52, 3485-3503	7.8	8
268	Cloud manufacturing in China: a literature survey. <i>International Journal of Manufacturing Research</i> , 2014 , 9, 369	0.4	8
267	Robustly printable freeform thermal metamaterials. <i>Nature Communications</i> , 2021 , 12, 7228	17.4	8
266	An active learning Kriging-assisted method for reliability-based design optimization under distributional probability-box model. <i>Structural and Multidisciplinary Optimization</i> , 2020 , 62, 2341-2356	3.6	8
265	Failure analysis of bio-inspired corrugated sandwich structures fabricated by laser powder bed fusion under three-point bending. <i>Composite Structures</i> , 2021 , 263, 113724	5.3	8
264	Chaotic Teaching-Learning-Based Optimization with Lévy Flight for Global Numerical Optimization. <i>Computational Intelligence and Neuroscience</i> , 2016 , 2016, 8341275	3	8

263	A level setBased method for stress-constrained multimaterial topology optimization of minimizing a global measure of stress. <i>International Journal for Numerical Methods in Engineering</i> , 2019 , 117, 800-818	3.4	8
262	Robust topology optimization for periodic structures by combining sensitivity averaging with a semianalytical method. <i>International Journal for Numerical Methods in Engineering</i> , 2019 , 117, 475-497	2.4	8
261	Whale swarm algorithm with the mechanism of identifying and escaping from extreme points for multimodal function optimization. <i>Neural Computing and Applications</i> , 2020 , 32, 5071-5091	4.8	8
260	A multi-representation-based domain adaptation network for fault diagnosis. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 182, 109650	4.6	8
259	A single-loop Kriging coupled with subset simulation for time-dependent reliability analysis. <i>Reliability Engineering and System Safety</i> , 2021 , 216, 107931	6.3	8
258	Experimental and artificial intelligence for determination of stable criteria in cyclic voltammetric process of medicinal herbs for biofuel cells. <i>International Journal of Energy Research</i> , 2019 , 43, 5983-5994	4.5	7
257	Precision Manufacturing of NaNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ Cathodes: Study of Structure Evolution and Performance at Varied Calcination Temperatures. <i>Journal of Electronic Materials</i> , 2019 , 48, 5301-5309	1.9	7
256	An integrated framework for minimization of inter lithium-ion cell temperature differences and the total volume of the cell of battery pack for electric vehicles. <i>Energy Storage</i> , 2019 , 1, e41	2.8	7
255	A priority-based heuristic algorithm (PBHA) for optimizing integrated process planning and scheduling problem. <i>Cogent Engineering</i> , 2015 , 2, 1070494	1.5	7
254	A new ensemble convolutional neural network with diversity regularization for fault diagnosis. <i>Journal of Manufacturing Systems</i> , 2020 ,	9.1	7
253	A Simplified Teaching-Learning-Based Optimization Algorithm for Disassembly Sequence Planning 2013 ,		7
252	An Iterated Local Search Algorithm for the Lot-Streaming Flow Shop Scheduling Problem. <i>Asia-Pacific Journal of Operational Research</i> , 2014 , 31, 1450045	0.8	7
251	RFID-enabled real-time PBS monitoring for automobile assembly factory. <i>International Journal of Computer Integrated Manufacturing</i> , 2012 , 25, 66-85	4.3	7
250	A Novel Approach for Enhancing Thermal Performance of Battery Modules Based on Finite Element Modeling and Predictive Modeling Mechanism. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2020 , 17,	2	7
249	A Comprehensive Flowrate Optimization Design for a Novel AirLiquid Cooling Coupled Battery Thermal Management System. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021 , 18,	2	7
248	A new automatic machine learning based hyperparameter optimization for workpiece quality prediction. <i>Measurement and Control</i> , 2020 , 53, 1088-1098	1.5	7
247	A new level set based multi-material topology optimization method using alternating active-phase algorithm. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 377, 113674	5.7	7
246	Local search-based metaheuristics for the robust distributed permutation flowshop problem. <i>Applied Soft Computing Journal</i> , 2021 , 105, 107247	7.5	7

245	A Variable Iterated Local Search Algorithm for Energy-Efficient No-idle Flowshop Scheduling Problem. <i>Procedia Manufacturing</i> , 2019 , 39, 1185-1193	1.5	7
244	A Multi-Objective Whale Swarm Algorithm for Energy-Efficient Distributed Permutation Flow shop Scheduling Problem with Sequence Dependent Setup Times. <i>IFAC-PapersOnLine</i> , 2019 , 52, 235-240	0.7	7
243	Experimental and numerical procedure for studying strength and heat generation responses of ultrasonic welding of polymer blends. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 132, 1-10	4.6	7
242	Wafer Residency Time Analysis for Time-Constrained Single-Robot-Arm Cluster Tools With Activity Time Variation. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 1177-1188	4.8	7
241	An experimental investigation for a hybrid phase change material-liquid cooling strategy to achieve high-temperature uniformity of Li-ion battery module under fast charging. <i>International Journal of Energy Research</i> , 2021 , 45, 6198-6212	4.5	7
240	A Discrete Artificial Bee Colony Algorithm for Multiobjective Disassembly Line Balancing of End-of-Life Products. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	7
239	Robust model for optimization of forming process for metallic bipolar plates of cleaner energy production system. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 341-353	6.7	7
238	Free-form surface parts quality inspection optimization with a novel sampling method. <i>Applied Soft Computing Journal</i> , 2018 , 62, 550-570	7.5	7
237	A hybrid heuristic algorithm for flowshop inverse scheduling problem under a dynamic environment. <i>Cluster Computing</i> , 2017 , 20, 439-453	2.1	6
236	Position Control of Hydraulic Series Elastic Actuator with Parameter Self-Optimization 2019 ,		6
235	A combined experimental-numerical framework for residual energy determination in spent lithium-ion battery packs. <i>International Journal of Energy Research</i> , 2019 , 43, 4390-4402	4.5	6
234	A Novel Point Cloud Encoding Method Based on Local Information for 3D Classification and Segmentation. <i>Sensors</i> , 2020 , 20,	3.8	6
233	Explicit topology optimization of novel polyline-based core sandwich structures using surrogate-assisted evolutionary algorithm. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 369, 113215	5.7	6
232	An Efficient Multiobjective Backtracking Search Algorithm for Single Machine Scheduling with Controllable Processing Times. <i>Mathematical Problems in Engineering</i> , 2017 , 2017, 1-24	1.1	6
231	Analysis of mutation vectors selection mechanism in differential evolution. <i>Applied Intelligence</i> , 2016 , 44, 904-912	4.9	6
230	Thermo-mechanical modeling of metallic alloys for nuclear engineering applications. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017 , 97, 242-250	4.6	6
229	A real-time laser feedback control method for the three-wave laser source used in the polarimeter-interferometer diagnostic on Joint-TEXT tokamak. <i>Review of Scientific Instruments</i> , 2014 , 85, 123502	1.7	6
228	A Q-Learning Based Selective Disassembly Planning Service in the Cloud Based Remanufacturing System for WEEE 2014 ,		6

227	An Early Fault Detection Method of Rotating Machines Based on Unsupervised Sequence Segmentation Convolutional Neural Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	6
226	An Artificial Bee Colony Algorithm for the Distributed Hybrid Flowshop Scheduling Problem. <i>Procedia Manufacturing</i> , 2019 , 39, 1158-1166	1.5	6
225	Thermal performance of thin film heat gauges of gold, silver and nano-composite. <i>Applied Thermal Engineering</i> , 2019 , 147, 545-550	5.8	6
224	A Novel MOGA approach for power saving strategy and optimization of maximum temperature and maximum pressure for liquid cooling type battery thermal management system. <i>International Journal of Green Energy</i> , 2021 , 18, 80-89	3	6
223	Heat dissipation analysis and multi-objective optimization of a permanent magnet synchronous motor using surrogate assisted method. <i>Case Studies in Thermal Engineering</i> , 2021 , 27, 101203	5.6	6
222	Robust topology optimization for fiber-reinforced composite structures under loading uncertainty. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 384, 113935	5.7	6
221	A hybrid disassembly framework for disassembly of electric vehicle batteries. <i>International Journal of Energy Research</i> , 2021 , 45, 8073-8082	4.5	6
220	Particle Swarm Optimization for Simultaneous Optimization of Design and Machining Tolerances. <i>Lecture Notes in Computer Science</i> , 2006 , 873-880	0.9	6
219	Knowledge transfer in fault diagnosis of rotary machines. <i>IET Collaborative Intelligent Manufacturing</i> , 2022 , 4, 17-34	2	6
218	An adaptive boosting charging strategy optimization based on thermoelectric-aging model, surrogates and multi-objective optimization. <i>Applied Energy</i> , 2022 , 312, 118795	10.7	6
217	Development of energy consumption model of abrasive machining process by a combined evolutionary computing approach. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015 , 75, 171-179	4.6	5
216	Optimization of multi-objective integrated process planning and scheduling problem using a priority based optimization algorithm. <i>Frontiers of Mechanical Engineering</i> , 2015 , 10, 392-404	3.3	5
215	Variable fidelity metamodel-based analytical target cascading method for green design. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 87, 1203-1216	3.2	5
214	Model reference adaptive controller for enhancing depth of penetration and bead width during Cold Metal Transfer joining process. <i>Robotics and Computer-Integrated Manufacturing</i> , 2018 , 53, 122-134 ^{9.2}		5
213	A hybrid algorithm based on tabu search and large neighbourhood search for car sequencing problem. <i>Journal of Central South University</i> , 2018 , 25, 315-330	2.1	5
212	Sustainable information management for Waste Electrical and Eletronic Equipment 2012 ,		5
211	Pattern Classification and Prediction of Water Quality by Neural Network with Particle Swarm Optimization 2006 ,		5
210	Heat Transfer Efficiency Enhancement of Lithium-Ion Battery Packs by Using Novel Design of Herringbone Fins. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2020 , 17,	2	5

209	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-17	7.3	5
208	Modeling and Balancing for Green Disassembly Line Using Associated Parts Precedence Graph and Multi-objective Genetic Simulated Annealing. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2020 , 8, 1597	3.8	5
207	A Novel MILP Model Based on the Topology of a Network Graph for Process Planning in an Intelligent Manufacturing System. <i>Engineering</i> , 2021 , 7, 807-817	9.7	5
206	Constrained differential evolution using halfspace partition for optimization problems. <i>Journal of Intelligent Manufacturing</i> , 2021 , 32, 157-178	6.7	5
205	Battery pack recycling challenges for the year 2030: Recommended solutions based on intelligent robotics for safe and efficient disassembly, residual energy detection, and secondary utilization. <i>Energy Storage</i> , 2021 , 3, e190	2.8	5
204	Two infill criteria driven surrogate-assisted multi-objective evolutionary algorithms for computationally expensive problems with medium dimensions. <i>Swarm and Evolutionary Computation</i> , 2021 , 60, 100774	9.8	5
203	A Deep Lifelong Learning Method for Digital Twin-Driven Defect Recognition With Novel Classes. <i>Journal of Computing and Information Science in Engineering</i> , 2021 , 21,	2.4	5
202	Support Vector enhanced Kriging for metamodeling with noisy data. <i>Structural and Multidisciplinary Optimization</i> , 2018 , 57, 1611-1623	3.6	5
201	Experimental Combined Numerical Approach for Evaluation of Battery Capacity Based on the Initial Applied Stress, the Real-Time Stress, Charging Open Circuit Voltage, and Discharging Open Circuit Voltage. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-16	1.1	5
200	Ensemble of Dynamic Resource Allocation Strategies for Decomposition-Based Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 710-723	15.6	5
199	A bounding-limit-state-surface-based active learning Kriging method for hybrid reliability analysis under random and probability-box variables. <i>Mechanical Systems and Signal Processing</i> , 2019 , 134, 106310	7.8	4
198	Numerical and experimental investigation of state of health of Li-ion battery. <i>International Journal of Green Energy</i> , 2020 , 17, 510-520	3	4
197	Modified honey bees mating optimization algorithm for multi-objective uncertain integrated process planning and scheduling problem. <i>International Journal of Advanced Robotic Systems</i> , 2020 , 17, 172988142092523	1.4	4
196	Sampling-based system reliability-based design optimization using composite active learning Kriging. <i>Computers and Structures</i> , 2020 , 239, 106321	4.5	4
195	An adaptive dual-population evolutionary paradigm with adversarial search: Case study on many-objective service consolidation. <i>Applied Soft Computing Journal</i> , 2020 , 90, 106160	7.5	4
194	A new local update-based method for reliability-based design optimization. <i>Engineering With Computers</i> , 2020 , 37, 3591	4.5	4
193	Robust topology optimization considering load uncertainty based on a semi-analytical method. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 94, 3537-3551	3.2	4
192	A novel comprehensive procedure for determination of optimum operating conditions for cleaner energy production system. <i>International Journal of Energy Research</i> , 2018 , 42, 3339-3350	4.5	4

191	An effective improvement of JADE for real-parameter optimization 2013 ,		4
190	A new vortex search algorithm with gradient-based approximation for optimization of the fore part of KCS container ship. <i>Journal of Marine Science and Technology</i> , 2017 , 22, 403-413	1.7	4
189	A Cloud-Based Disassembly Planning Approach towards Sustainable Management of WEEE 2015 ,		4
188	A Novel Variable Neighborhood Genetic Algorithm for Multi-Objective Flexible Job-Shop Scheduling Problems. <i>Advanced Materials Research</i> , 2010 , 118-120, 369-373	0.5	4
187	An Uncertainty Analysis Approach to Multidisciplinary Design Optimization. <i>Concurrent Engineering Research and Applications</i> , 2009 , 17, 121-128	1.7	4
186	An improved genetic algorithm for flexible job shop scheduling problem considering reconfigurable machine tools with limited auxiliary modules. <i>Journal of Manufacturing Systems</i> , 2022 , 62, 650-667	9.1	4
185	Anomalies in Special Permutation Flow Shop Scheduling Problems. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2020 , 33,	2.5	4
184	Kriging-assisted design of functionally graded cellular structures with smoothly-varying lattice unit cells. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022 , 390, 114466	5.7	4
183	A composite-projection-outline-based approximation method for system reliability analysis with hybrid uncertainties. <i>Reliability Engineering and System Safety</i> , 2020 , 204, 107169	6.3	4
182	Multi-Objective Flexible Job Shop Scheduling Problem Considering Machine Switching Off-On Operation. <i>Procedia Manufacturing</i> , 2019 , 39, 1167-1176	1.5	4
181	A Hierarchical Feature Fusion-based Method for Defect Recognition with a Small Sample 2019 ,		4
180	An interval type-2 fuzzy logic controller design method for hydraulic actuators of a human-like robot by using improved drone squadron optimization. <i>International Journal of Advanced Robotic Systems</i> , 2019 , 16, 172988141989155	1.4	4
179	A coupled and interactive influence of operational parameters for optimizing power output of cleaner energy production systems under uncertain conditions. <i>International Journal of Energy Research</i> , 2019 , 43, 1294-1302	4.5	4
178	Interval Type-2 Fuzzy Logic PID Controller Based on Differential Evolution with Better and Nearest Option for Hydraulic Serial Elastic Actuator. <i>International Journal of Control, Automation and Systems</i> , 2021 , 19, 1113-1132	2.9	4
177	An indicator and adaptive region division based evolutionary algorithm for many-objective optimization. <i>Applied Soft Computing Journal</i> , 2021 , 99, 106872	7.5	4
176	Industrial Image Anomaly Localization Based on Gaussian Clustering of Pre-trained Feature. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
175	Predictive Modeling With an Adaptive Unsupervised Broad Transfer Algorithm. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-12	5.2	4
174	An Effective Hybrid Algorithm for Permutation Flow Shop Scheduling Problem with Setup Time. <i>Procedia CIRP</i> , 2018 , 72, 1288-1292	1.8	4

173	An isogeometric approach to topological optimization design of auxetic composites with tri-material micro-architectures. <i>Composite Structures</i> , 2021 , 271, 114163	5.3	4
172	A novel dual-stream self-attention neural network for remaining useful life estimation of mechanical systems. <i>Reliability Engineering and System Safety</i> , 2022 , 222, 108444	6.3	4
171	Evolutionary framework design in formulation of decision support models for production emissions and net profit of firm: Implications on environmental concerns of supply chains. <i>Journal of Cleaner Production</i> , 2019 , 231, 1136-1148	10.3	3
170	Torsional mechanics of single walled carbon nanotubes with hydrogen for energy storage and fuel cell applications. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	3
169	A hybrid global optimization method based on multiple metamodels. <i>Engineering Computations</i> , 2018 , 35, 71-90	1.4	3
168	Surface roughness prediction in end milling by using predicted point oriented local linear estimation method. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 2523-2535	3.2	3
167	Differential Evolution with Better and Nearest Option for Function Optimization 2019 ,		3
166	From Cloud Manufacturing to Cloud Remanufacturing: A Cloud-Based Approach for WEEE 2013 ,		3
165	Parallel Construction Heuristic Combined with Constraint Propagation for the Car Sequencing Problem. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2017 , 30, 373-384	2.5	3
164	Cuckoo Search-based range image registration for free-form surface inspection 2015 ,		3
163	An Improved Genetic Algorithm for Single-Machine Inverse Scheduling Problem. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-14	1.1	3
162	Fuzzy Multiple Attributive Group Decision-Making for Conflict Resolution in Collaborative Design. <i>Lecture Notes in Computer Science</i> , 2006 , 990-999	0.9	3
161	Battery Thermal Management System Design: Role of Influence of Nanofluids, Flow Directions, and Channels. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2020 , 17,	2	3
160	A Framework of Optimal Design of Thermal Management System for Lithium-Ion Battery Pack Using Multi-Objectives Optimization. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021 , 18,	2	3
159	On the Study of Machining Characteristics of 2-D Nanoscale Material. <i>Nanoscience and Nanotechnology Letters</i> , 2014 , 6, 1079-1086	0.8	3
158	Multi-objective optimisation framework of genetic programming for investigation of bullwhip effect and net stock amplification for three-stage supply chain systems. <i>International Journal of Bio-Inspired Computation</i> , 2020 , 16, 241	2.9	3
157	A Hybrid Evolutionary Algorithm Using Two Solution Representations for Hybrid Flow-Shop Scheduling Problem. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	3
156	An Evolution Strategy Approach for the Distributed Blocking Flowshop Scheduling Problem. <i>Computers and Industrial Engineering</i> , 2021 , 107832	6.4	3

155	Review for Flexible Job Shop Scheduling. <i>Engineering Applications of Computational Methods</i> , 2020 , 17-45.2	3
154	Adaptive Delay Compensation for Admittance Control of Hydraulic Series Elastic Actuator 2020 ,	3
153	An Effective Deep Neural Network Method for Prediction of Battery State at Cell and Module Level. <i>Energy Technology</i> , 2021 , 9, 2100048	3.5 3
152	A Kriging-assisted sampling method for reliability analysis of structures with hybrid uncertainties. <i>Reliability Engineering and System Safety</i> , 2021 , 210, 107552	6.3 3
151	A Discrete Artificial Bee Colony Algorithm for the Energy-Efficient No-Wait Flowshop Scheduling Problem. <i>Procedia Manufacturing</i> , 2019 , 39, 1223-1231	1.5 3
150	A New Spectral Clustering Based on Particle Swarm Optimization for Unsupervised Fault Diagnosis of Bearings 2019 ,	3
149	An accuracy analysis method for first-order reliability method. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019 , 233, 4319-4327	1.3 3
148	A set strategy approach for multidisciplinary robust design optimization under interval uncertainty. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401882038	1.2 3
147	A Hybrid Method for Density-Related Topology Optimization. <i>International Journal of Computational Methods</i> , 2019 , 16, 1850116	1.1 3
146	State-of-charge prediction of lithium ion battery through multivariate adaptive recursive spline and principal component analysis. <i>Energy Storage</i> , 2021 , 3, e147	2.8 3
145	A probability feasible region enhanced important boundary sampling method for reliability-based design optimization. <i>Structural and Multidisciplinary Optimization</i> , 2021 , 63, 341-355	3.6 3
144	An effective multi-objective whale swarm algorithm for energy-efficient scheduling of distributed welding flow shop. <i>Annals of Operations Research</i> , 1	3.2 3
143	A Threshold-Control Generative Adversarial Network Method for Intelligent Fault Diagnosis. <i>Complex System Modeling and Simulation</i> , 2021 , 1, 55-64	3
142	Using Iterated Greedy with a New Population Approach for the Flexible Jobshop Scheduling Problem 2018 ,	3
141	IgaTop: an implementation of topology optimization for structures using IGA in MATLAB. <i>Structural and Multidisciplinary Optimization</i> , 2021 , 64, 1669-1700	3.6 3
140	A population-based iterated greedy algorithm to minimize total flowtime for the distributed blocking flowshop scheduling problem. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 104, 104375	7.2 3
139	Multi-objective design optimization of battery thermal management system for electric vehicles. <i>Applied Thermal Engineering</i> , 2021 , 196, 117235	5.8 3
138	Mathematical model and discrete artificial Bee Colony algorithm for distributed integrated process planning and scheduling. <i>Journal of Manufacturing Systems</i> , 2021 , 61, 300-310	9.1 3

137	Hyperplane-driven and projection-assisted search for solving many-objective optimization problems. <i>Information Sciences</i> , 2021 , 574, 394-412	7.7	3
136	Informative knowledge distillation for image anomaly segmentation. <i>Knowledge-Based Systems</i> , 2022 , 248, 108846	7.3	3
135	A Hierarchical Training-Convolutional Neural Network for Imbalanced Fault Diagnosis in Complex Equipment. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	3
134	Far-forward collective scattering measurements by FIR polarimeter-interferometer on J-TEXT tokamak. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E110	1.7	2
133	A Transitional Connection Method for the Design of Functionally Graded Cellular Materials. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7449	2.6	2
132	An Efficient Topology Optimization Method for Structures with Uniform Stress. <i>International Journal of Computational Methods</i> , 2018 , 15, 1850073	1.1	2
131	Topological shape optimization design of continuum structures via an effective level set method. <i>Cogent Engineering</i> , 2016 , 3, 1250430	1.5	2
130	Fault Diagnosis Using Unsupervised Transfer Learning Based on Adversarial Network 2019 ,		2
129	Conditional Value at Riskbased Multidisciplinary Robust Design Optimization 2019 ,		2
128	Optimisation of the reverse scheduling problem by a modified genetic algorithm. <i>International Journal of Production Research</i> , 2015 , 53, 6980-6993	7.8	2
127	Optimization algorithms for integrated process planning and scheduling problem- A survey 2014 ,		2
126	An Efficient Method for Structural Reliability Analysis Using Evidence Theory 2014 ,		2
125	Collaborative execution mechanisms for the TCPN-enhanced process-view approach based inter-enterprises workflow 2009 ,		2
124	Workflow Modeling for Virtual Enterprise: a Petri Net Based Process-View Approach 2006 ,		2
123	A NEW HEURISTIC-EM FOR PERMUTATION FLOWSHOP SCHEDULING. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 33-38		2
122	An Effective Iterated Greedy Algorithm for a Robust Distributed Permutation Flowshop Problem With Carryover Sequence-Dependent Setup Time. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-12	7.3	2
121	A multiscale topological design method of geometrically asymmetric porous sandwich structures for minimizing dynamic compliance. <i>Materials and Design</i> , 2022 , 214, 110404	8.1	2
120	An Agent-Based Approach for IPPS. <i>Engineering Applications of Computational Methods</i> , 2020 , 191-208	0.2	2

119	Constrained Differential Evolution Algorithm with a Novel Local Search Operator for Constrained Optimization Problems. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 495-507	0.2	2
118	Multi-Objective Optimization for Dynamic Single-Machine Scheduling. <i>Lecture Notes in Computer Science</i> , 2011 , 1-9	0.9	2
117	A Hybrid Genetic Algorithm and Tabu Search for Multi-objective Dynamic JSP. <i>Engineering Applications of Computational Methods</i> , 2020 , 377-403	0.2	2
116	Low-delay Admittance Control of Hydraulic Series Elastic Actuator for Safe Human-Robot Collaboration. <i>Procedia Manufacturing</i> , 2020 , 48, 147-153	1.5	2
115	Framework of model selection criteria approximated genetic programming for optimization function for renewable energy systems. <i>Swarm and Evolutionary Computation</i> , 2020 , 59, 100750	9.8	2
114	Knowledge Graph-guided Convolutional Neural Network for Surface Defect Recognition 2020 ,		2
113	Progressive design of gradually stiffer metamaterial using surrogate model. <i>Composite Structures</i> , 2021 , 264, 113715	5.3	2
112	A new improved fruit fly optimization algorithm for traveling salesman problem 2016 ,		2
111	A random forest-based job shop rescheduling decision model with machine failures. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 1	3.7	2
110	A Time Wave Neural Network Framework for Solving Time-Dependent Project Scheduling Problems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 274-283	10.3	2
109	A comparative study of pre-screening strategies within a surrogate-assisted multi-objective algorithm framework for computationally expensive problems. <i>Neural Computing and Applications</i> , 2021 , 33, 4387-4416	4.8	2
108	Intelligent optimization of bioleaching process for waste lithium-ion batteries: An application of support vector regression approach. <i>International Journal of Energy Research</i> , 2021 , 45, 6152-6162	4.5	2
107	Isogeometric analysis based on geometric reconstruction models. <i>Frontiers of Mechanical Engineering</i> ,1	3.3	2
106	A new Feature-Fusion method based on training dataset prototype for surface defect recognition. <i>Advanced Engineering Informatics</i> , 2021 , 50, 101392	7.4	2
105	Combining Particle Swarm Optimization and Neural Network for Diagnosis of Unexplained Syncope. <i>Lecture Notes in Computer Science</i> , 2006 , 174-181	0.9	2
104	Corrections to A Privacy-Preserving Online Learning Approach for Incentive-Based Demand Response in Smart Grid[Dec 19 4208-4218]. <i>IEEE Systems Journal</i> , 2019 , 13, 4482-4483	4.3	1
103	Effective Methods for Integrated Process Planning and Scheduling. <i>Engineering Applications of Computational Methods</i> , 2020 ,	0.2	1
102	A framework based on big data for intelligent monitoring of battery packs. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 463, 012158	0.3	1

101	Study on effect of diverse air inlet arrangement on thermal management of cylindrical lithium-ion cells. <i>Heat Transfer</i> , 2020 , 49, 4626-4656	3.1	1
100	Ingeniously introducing of boron to adjust hetero-atoms and their bonding with cobalt for improving the catalysis of oxygen reduction reaction. <i>Journal of Solid State Chemistry</i> , 2020 , 289, 121523 ³ 3		1
99	Discriminative stacked autoencoder for feature representation and classification. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	1
98	Intelligent optimization of process conditions for maximum metal recovery from spent zinc-manganese batteries. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 463, 012160	0.3	1
97	Normal histogram-based fruit fly optimization algorithm for range image registration 2016 ,		1
96	Experimental Combined Grouping Analysis Approach for Robust Battery pack design for Electric Vehicles with Higher Performance. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 268, 012020	0.3	1
95	A Shapelet Dictionary Learning Algorithm for Time Series Classification 2019 ,		1
94	A differential evolution algorithm with minimum distance mutation operator 2013 ,		1
93	An ensemble evolutionary approach in evaluation of surface finish reduction of vibratory finishing process. <i>Engineering Computations</i> , 2015 , 32, 1214-1229	1.4	1
92	Modeling of the Feed-Motor Transient Current in End Milling by Using Varying-Coefficient Model. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-9	1.1	1
91	A Novel Adaptive EConstrained Method for Constrained Problem. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 573-586	0.2	1
90	Study of a MachZehnder-type ultrafast all-optical switch based on a periodically patterned microring resonator. <i>Journal of Modern Optics</i> , 2013 , 60, 1915-1920	1.1	1
89	Application of Interval Theory and Genetic Algorithm for Uncertain Integrated Process Planning and Scheduling 2013 ,		1
88	Multi-objective genetic algorithm for integrated process planning and scheduling with fuzzy processing time 2013 ,		1
87	A Novel Two-Layer Hierarchical Differential Evolution Algorithm for Global Optimization 2013 ,		1
86	Comparison of Gene Expression Programming and Common Metamodeling Techniques in Engineering Design 2011 ,		1
85	An approach combined Response Surface Method and Particle Swarm Optimization to ship multidisciplinary design and optimization 2009 ,		1
84	Multi-agent based integration of process planning and scheduling 2009 ,		1

83	Multiple surrogates and offspring-assisted differential evolution for high-dimensional expensive problems. <i>Information Sciences</i> , 2022 , 592, 174-191	7.7	1
82	L2-Norm Shapelet Dictionary Learning-Based Bearing-Fault Diagnosis in Uncertain Working Conditions. <i>IEEE Sensors Journal</i> , 2022 , 22, 2647-2657	4	1
81	Self-regulated bi-partitioning evolution for many-objective optimization. <i>Information Sciences</i> , 2022 , 589, 827-848	7.7	1
80	Isogeometric topology and shape optimization for composite structures using level-sets and adaptive Gauss quadrature. <i>Composite Structures</i> , 2022 , 285, 115263	5.3	1
79	A Thompson Sampling Efficient Multi-Objective Optimization Algorithm (TSEMO) for Lithium-Ion Battery Liquid-Cooled Thermal Management System: Study of Hydrodynamic, Thermodynamic, and Structural Performance. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021 , 18,	2	1
78	A New Semi-Supervised Fault Diagnosis Method via Deep CORAL and Transfer Component Analysis. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 1-10	4.1	1
77	GEP-Based Reactive Scheduling Policies for Dynamic FJSP with Job Release Dates. <i>Engineering Applications of Computational Methods</i> , 2020 , 405-428	0.2	1
76	Deep-learning-based isogeometric inverse design for tetra-chiral auxetics. <i>Composite Structures</i> , 2021 , 280, 114808	5.3	1
75	A Novel Data-Driven Fault Diagnosis Method Based on Deep Learning. <i>Lecture Notes in Computer Science</i> , 2017 , 442-452	0.9	1
74	Disassembly Sequence Planning Using a Simplified Teaching-Learning-Based Optimization Algorithm 2019 , 319-343		1
73	A Gait Planning Method for Humanoid Robot to Step Over Discrete Terrain 2020 ,		1
72	Development of Admittance Control Method with Parameter Self-optimization for Hydraulic Series Elastic Actuator. <i>International Journal of Control, Automation and Systems</i> , 2021 , 19, 2357-2372	2.9	1
71	A comparative analysis of the queuing search algorithm, the sine-cosine algorithm, the ant lion algorithm to determine the optimal weight design problem of a spur gear drive system. <i>Materialpruefung/Materials Testing</i> , 2021 , 63, 442-447	1.9	1
70	Multiphysics-Based Statistical Model for Investigating the Mechanics of Carbon Nanotubes Membranes for Proton-Exchange Membrane Fuel Cell Applications. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2019 , 16,	2	1
69	A General Variable Neighborhood Search for the Noidle Flowshop Scheduling Problem with Makespan Criterion 2019 ,		1
68	A Fast and Effective Image Preprocessing Method for Hot Round Steel Surface. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-14	1.1	1
67	Multidisciplinary optimal design of prismatic lithium-ion battery with an improved thermal management system for electric vehicles. <i>Energy Storage</i> , 2021 , 3, e217	2.8	1
66	Energy-Efficient Robotic Parallel Disassembly Sequence Planning for End-of-Life Products. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-9	4.9	1

65	Measurement of density fluctuation propagation direction via the far-forward collective scattering diagnostic based on polarimeter-interferometer. <i>Review of Scientific Instruments</i> , 2018 , 89, 10C110	1.7	1
64	Compliant Bipedal Walking Based on Variable Spring-Loaded Inverted Pendulum Model with Finite-sized Foot 2021 ,		1
63	A Novel Design Method for Energy Absorption Property of Chiral Mechanical Metamaterials. <i>Materials</i> , 2021 , 14,	3.5	1
62	An effective iterated greedy algorithm for PCBs grouping problem to minimize setup times. <i>Applied Soft Computing Journal</i> , 2021 , 112, 107830	7.5	1
61	Lightweight convolutional neural network with knowledge distillation for cervical cells classification. <i>Biomedical Signal Processing and Control</i> , 2022 , 71, 103177	4.9	1
60	Toward Safe Human-Robot Interaction: A Fast-Response Admittance Control Method for Series Elastic Actuator. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-14	4.9	1
59	A New Graph-Based Method for Class Imbalance in Surface Defect Recognition. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-16	5.2	1
58	Integrated Production and Transportation Scheduling Method in Hybrid Flow Shop. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2022 , 35,	2.5	1
57	An effective memetic algorithm for the distributed flowshop scheduling problem with an assemble machine. <i>International Journal of Production Research</i> , 1-16	7.8	1
56	A hash map-based memetic algorithm for the distributed permutation flowshop scheduling problem with preventive maintenance to minimize total flowtime. <i>Knowledge-Based Systems</i> , 2022 , 242, 108413	7.3	1
55	A Hybrid Algorithm with a New Neighborhood Structure for Job Shop Scheduling Problems. <i>Computers and Industrial Engineering</i> , 2022 , 108205	6.4	1
54	A one-class Shapelet dictionary learning method for wind turbine bearing anomaly detection. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 197, 111318	4.6	1
53	Review for Integrated Process Planning and Scheduling. <i>Engineering Applications of Computational Methods</i> , 2020 , 47-59	0.2	0
52	A Modified Genetic Algorithm Based Approach for IPPS. <i>Engineering Applications of Computational Methods</i> , 2020 , 209-233	0.2	0
51	Exploiting active subspaces of hyperparameters for efficient high-dimensional Kriging modeling. <i>Mechanical Systems and Signal Processing</i> , 2021 , 108643	7.8	0
50	A Semantic Information Services Framework for Sustainable WEEE Management Toward Cloud-Based Remanufacturing 2019 , 235-257		0
49	A feature extraction and classification algorithm based on improved sparse auto-encoder for round steel surface defects. <i>Mathematical Biosciences and Engineering</i> , 2020 , 17, 5369-5394	2.1	0
48	Risk-based design optimization under hybrid uncertainties. <i>Engineering With Computers</i> , 2020 , 1	4.5	0

47	Qualitative framework based on intelligent robotics for safe and efficient disassembly of battery modules for recycling purposes. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 463, 0121593	0.3	○
46	A hybrid level set method for the integrated optimization of structural topology and multicomponent layout. <i>International Journal for Numerical Methods in Engineering</i> , 2021 , 122, 2802-2828	3.4	○
45	Time Series Classification by Shapelet Dictionary Learning with SVM-Based Ensemble Classifier. <i>Computational Intelligence and Neuroscience</i> , 2021 , 2021, 1-13	3	○
44	Design and experimental verification of self-supporting topologies for selective laser melting. <i>Thin-Walled Structures</i> , 2021 , 161, 107419	4.7	○
43	Disassembly sequence planning based on a modified grey wolf optimizer. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 116, 3731-3750	3.2	○
42	A two-layer surrogate-assisted differential evolution with better and nearest option for optimizing the spring of hydraulic series elastic actuator. <i>Applied Soft Computing Journal</i> , 2021 , 100, 107001	7.5	○
41	An Improved Genetic Algorithm for Distributed Job Shop Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2021 , 37-47	0.9	○
40	Quantum effects of gas flow in nanochannels. <i>Nanotechnology Reviews</i> , 2021 , 10, 254-263	6.3	○
39	Topology optimization of arbitrary-shape multi-phase structure with structured meshes based on a virtual phase method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 387, 114138	5.7	○
38	Evolutionary topology optimization for continuum structures using isogeometric analysis. <i>Structural and Multidisciplinary Optimization</i> , 2022 , 65, 1	3.6	○
37	Ultra-broadband edge-state pair for zigzag-interfaced valley Hall insulators. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022 , 65, 1	3.6	○
36	Online Gait Generation Method Based on Neural Network for Humanoid Robot Fast Walking on Uneven Terrain. <i>International Journal of Control, Automation and Systems</i> , 2022 , 20, 941-955	2.9	○
35	Quantile-based topology optimization under uncertainty using Kriging metamodel. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022 , 393, 114690	5.7	○
34	Design of multiphase auxetic metamaterials by a parametric color level set method. <i>Composite Structures</i> , 2022 , 287, 115385	5.3	○
33	Marching cubes-based isogeometric topology optimization method with parametric level set. <i>Applied Mathematical Modelling</i> , 2022 , 107, 275-295	4.5	○
32	An efficient critical path based method for permutation flow shop scheduling problem. <i>Journal of Manufacturing Systems</i> , 2022 , 63, 344-353	9.1	○
31	On the Indispensability of Isogeometric Analysis in Topology Optimization for Smooth or Binary Designs. <i>Symmetry</i> , 2022 , 14, 845	2.7	○
30	A new neighbourhood structure for job shop scheduling problems. <i>International Journal of Production Research</i> , 1-15	7.8	○

29	A Matheuristic Approach for the No-Wait Flowshop Scheduling Problem with Makespan Criterion. <i>Symmetry</i> , 2022 , 14, 913	2.7	0
28	Graded infill design within free-form surfaces by conformal mapping. <i>International Journal of Mechanical Sciences</i> , 2022 , 107307	5.5	0
27	An efficient self-adaptive artificial bee colony algorithm for the distributed resource-constrained hybrid flowshop problem. <i>Computers and Industrial Engineering</i> , 2022 , 169, 108200	6.4	0
26	A Surrogate-Assisted Hybrid Swarm Optimization Algorithm for High-Dimensional Computationally Expensive Problems. <i>Swarm and Evolutionary Computation</i> , 2022 , 101096	9.8	0
25	Computational Fluid Dynamics (CFD) based numerical analysis for studying the effect of mini channel cooling plate, flow characteristics and battery arrangement for cylindrical lithium-ion battery pack. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 1-18	2	0
24	Homotopy method for inverse design of the bulbous bow of a container ship. <i>China Ocean Engineering</i> , 2017 , 31, 98-102	1.1	
23	Density modulation experiment to determine transport coefficients on Joint-TEXT Tokamak. <i>Review of Scientific Instruments</i> , 2015 , 86, 023507	1.7	
22	Efficient battery thermal management system design to ensure fast charging in extreme cold conditions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 463, 012161	0.3	
21	The Application of a Numerical Method of Abel Inversion on J-TEXT HCN Interferometer. <i>IEEE Transactions on Plasma Science</i> , 2014 , 42, 2054-2057	1.3	
20	A Graph Guided Convolutional Neural Network for Surface Defect Recognition. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022 , 1-13	4.9	
19	A Hybrid Genetic Algorithm with Variable Neighborhood Search for Dynamic IPPS. <i>Engineering Applications of Computational Methods</i> , 2020 , 429-453	0.2	
18	A Hybrid Intelligent Algorithm and Rescheduling Technique for Dynamic JSP. <i>Engineering Applications of Computational Methods</i> , 2020 , 345-375	0.2	
17	Mathematical Modeling and Evolutionary Algorithm-Based Approach for IPPS. <i>Engineering Applications of Computational Methods</i> , 2020 , 167-189	0.2	
16	A Multi-objective GA Based on Immune and Entropy Principle for FJSP. <i>Engineering Applications of Computational Methods</i> , 2020 , 279-300	0.2	
15	Introduction for Integrated Process Planning and Scheduling. <i>Engineering Applications of Computational Methods</i> , 2020 , 1-15	0.2	
14	A Hybrid Algorithm for Job Shop Scheduling Problem. <i>Engineering Applications of Computational Methods</i> , 2020 , 107-131	0.2	
13	An Efficient Modified Particle Swarm Optimization Algorithm for Process Planning. <i>Engineering Applications of Computational Methods</i> , 2020 , 81-106	0.2	
12	An Effective Genetic Algorithm for Multi-objective IPPS with Various Flexibilities in Process Planning. <i>Engineering Applications of Computational Methods</i> , 2020 , 301-322	0.2	

11	Application of Game Theory-Based Hybrid Algorithm for Multi-objective IPPS. <i>Engineering Applications of Computational Methods</i> , 2020 , 323-343	0.2
10	Development of the gas puffing imaging diagnostic on J-TEXT tokamak. <i>Review of Scientific Instruments</i> , 2021 , 92, 043503	1.7
9	A Genetic Algorithm-Based Ensemble Convolutional Neural Networks for Defect Recognition with Small-Scale Samples. <i>Lecture Notes in Computer Science</i> , 2021 , 390-398	0.9
8	Partial Distillation of Deep Feature for Unsupervised Image Anomaly Detection and Segmentation. <i>Lecture Notes in Computer Science</i> , 2021 , 238-250	0.9
7	A modified electromagnetism-like mechanism algorithm with pattern search for global optimisation. <i>International Journal of Computational Science and Engineering</i> , 2018 , 16, 430	0.4
6	Biologically Inspired Machine Learning-Based Trajectory Analysis in Intelligent Dispatching Energy Storage System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-10	6.1
5	Topology optimization of irregular flow domain by parametric level set method in unstructured mesh. <i>Journal of Computational Design and Engineering</i> , 2021 , 9, 100-113	4.6
4	A new structural uncertainty analysis method based on polynomial expansions. <i>Applied Mathematics and Computation</i> , 2022 , 427, 127122	2.7
3	Self-organizing Cascade Neural Network Based on Differential Evolution with Better and Nearest Option for System Modeling. <i>International Journal of Control, Automation and Systems</i> , 2022 , 20, 1706-1722	2.9
2	A multiobjective memetic algorithm for integrated process planning and scheduling problem in distributed heterogeneous manufacturing systems. <i>Memetic Computing</i> , 2022 , 14, 193-209	3.4
1	Intelligent fault diagnosis of machine under noisy environment using ensemble orthogonal contractive auto-encoder. <i>Expert Systems With Applications</i> , 2022 , 203, 117408	7.8