Mohamed Arezki Mellal

List of Publications by Year
in descending order

40	617	758635 12	642321 23
papers	citations	h-index	g-index

43	43	43	444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	System reliability-redundancy allocation by the multiobjective plant propagation algorithm. International Journal of Quality and Reliability Management, 2022, 39, 902-909.	1.3	8
2	Multi-objective availability and cost optimization by PSO and COA for series-parallel systems with subsystems failure dependencies. Microprocessors and Microsystems, 2022, 89, 104422.	1.8	4
3	Some Words About Nature-Inspired Computing. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 1-9.	0.3	0
4	Multi-objective factors optimization in fused deposition modelling with particle swarm optimization and differential evolution. International Journal on Interactive Design and Manufacturing, 2022, 16, 1669-1674.	1.3	2
5	Fuzzy multiobjective system reliability optimization by genetic algorithms and clustering analysis. Quality and Reliability Engineering International, 2021, 37, 1484-1503.	1.4	11
6	Reliability optimization of power plant safety system using grey wolf optimizer and shuffled frog-leaping algorithm. , 2021, , 1-13.		4
7	Design optimization of a car side safety system by particle swarm optimization and grey wolf optimizer. , 2021, , 15-24.		7
8	System Availability and Cost Optimization Under Failure Dependencies by Flower Pollination and Plant Propagation Algorithms. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 469-476.	0.5	1
9	Reliability, Maintainability, and Availability Analysis of a Computerized Numerical Control Machine Tool Using Markov Chains. Acta Polytechnica Hungarica, 2021, 18, 45-70.	2.5	6
10	Multi-objective System Design Optimization via PPA and a Fuzzy Method. International Journal of Fuzzy Systems, 2021, 23, 1213-1221.	2.3	7
11	Optimal replacement strategy of obsolete industrial components under fuzzy data. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2020, 234, 349-357.	0.7	2
12	Parallelâ€“Series System Optimization by Weighting Sum Methods and Nature-Inspired Computing. Springer Tracts in Nature-inspired Computing, 2020, , 231-251.	1.2	8
13	Accelerated cuckoo optimization algorithm for the multi-objective welding process. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	5
14	System reliability optimization with heterogeneous components using hosted cuckoo optimization algorithm. Reliability Engineering and System Safety, 2020, 203, 107110.	5.1	24
15	Cuckoo optimization algorithm with penalty function and binary approach for combined heat and power economic dispatch problem. Energy Reports, 2020, 6, 2720-2723.	2.5	21
16	A multi-objective design optimization framework for wind turbines under altitude consideration. Energy Conversion and Management, 2020, 222, 113212.	4.4	23
17	Obsolescence â€“ A review of the literature. Technology in Society, 2020, 63, 101347.	4.8	25
18	Cost minimization of repairable systems subject to availability constraints using efficient cuckoo optimization algorithm. Quality and Reliability Engineering International, 2020, 36, 1098-1110.	1.4	12

#	Article	IF	Citations
19	System reliability-redundancy optimization with cold-standby strategy by an enhanced nest cuckoo optimization algorithm. Reliability Engineering and System Safety, 2020, 201, 106973.	5.1	53
20	System Reliability and Cost Optimization Under Various Scenarios Using NSGA-III. , 2020, , .		2
21	Multi-objective System Reliability-redundancy Allocation in a Power Plant by Considering Three Targets. , 2020, , .		0
22	An adaptive cuckoo optimization algorithm for system design optimization under failure dependencies. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 1099-1105.	0.6	2
23	An adaptive particle swarm optimization method for multi-objective system reliability optimization. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 990-1001.	0.6	20
24	Cost and Availability optimization of Overspeed Protection System in a Power Plant. , 2019, , .		2
25	Availability Optimization of Parallel-Series System by Evolutionary Computation. , 2018, , .		7
26	Multi-objective System Reliability Optimization in a Power Plant. , 2018, , .		7
27	A Survey on Ant Colony Optimization, Particle Swarm Optimization, and Cuckoo Algorithms. Advances in Business Information Systems and Analytics Book Series, 2018, , 37-51.	0.3	20
28	A discussion on â€œA GSO-based algorithm for combined heat and power dispatch problem with modified scrounger and ranger operatorsâ€• Applied Thermal Engineering, 2017, 125, 91-93.	3.0	3
29	Replacement optimization of industrial components subject to technological obsolescence using artificial intelligence. , 2017, , .		3
30	System reliability-redundancy allocation by evolutionary computation. , 2017, , .		13
31	The Cuckoo Optimization Algorithm and Its Applications. , 2017, , 269-277.		8
32	Parameter optimization of advanced machining processes using cuckoo optimization algorithm and hoopoe heuristic. Journal of Intelligent Manufacturing, 2016, 27, 927-942.	4.4	54
33	A penalty guided stochastic fractal search approach for system reliability optimization. Reliability Engineering and System Safety, 2016, 152, 213-227.	5.1	85
34	Total production time minimization of a multi-pass milling process via cuckoo optimization algorithm. International Journal of Advanced Manufacturing Technology, 2016, 87, 747-754.	1.5	21
35	Multi-thresholds for fault isolation in the presence of uncertainties. ISA Transactions, 2016, 62, 299-311.	3.1	7
36	Cuckoo optimization algorithm with penalty function for combined heat and power economic dispatch problem. Energy, 2015, 93, 1711-1718.	4.5	89

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37	Cuckoo optimization algorithm for unit production cost in multi-pass turning operations. International Journal of Advanced Manufacturing Technology, 2015, 76, 647-656.	1.5	36
38	Obsolescence optimization of electronic and mechatronic components by considering dependability and energy consumption. Journal of Central South University, 2013, 20, 1221-1225.	1.2	7
39	Modeling and Simulation of Mechatronic System to Integrated Design of Supervision: Using a Bond Graph Approach. Applied Mechanics and Materials, 2011, 86, 467-470.	0.2	7
40	Modeling And Simulation Of Mechatronic System To Integrated Design Of Supervision: Using A Bond Graph Approach. , 2011, , .		0