# Mohamed Arezki Mellal

List of Publications by Year
in descending order

| | | |
|---|---|---|
| 40 papers | 617 citations | 12 h-index |
| 43 all docs | 43 docs citations | 43 times ranked |

758635

642321

| |
|---|
| 23 g-index |
| 444 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Cuckoo optimization algorithm with penalty function for combined heat and power economic dispatch problem. Energy, 2015, 93, 1711-1718. | 4.5 | 89 |
| 2 | A penalty guided stochastic fractal search approach for system reliability optimization. Reliability Engineering and System Safety, 2016, 152, 213-227. | 5.1 | 85 |
| 3 | Parameter optimization of advanced machining processes using cuckoo optimization algorithm and hoopoe heuristic. Journal of Intelligent Manufacturing, 2016, 27, 927-942. | 4.4 | 54 |
| 4 | 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 |
| 5 | 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 |
| 6 | Obsolescence â€" A review of the literature. Technology in Society, 2020, 63, 101347. | 4.8 | 25 |
| 7 | System reliability optimization with heterogeneous components using hosted cuckoo optimization algorithm. Reliability Engineering and System Safety, 2020, 203, 107110. | 5.1 | 24 |
| 8 | A multi-objective design optimization framework for wind turbines under altitude consideration. Energy Conversion and Management, 2020, 222, 113212. | 4.4 | 23 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | System reliability-redundancy allocation by evolutionary computation. , 2017, , . | | 13 |
| 14 | 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 |
| 15 | Fuzzy multiobjective system reliability optimization by genetic algorithms and clustering analysis. Quality and Reliability Engineering International, 2021, 37, 1484-1503. | 1.4 | 11 |
| 16 | The Cuckoo Optimization Algorithm and Its Applications. , 2017, , 269-277. | | 8 |
| 17 | Parallelâ€"Series System Optimization by Weighting Sum Methods and Nature-Inspired Computing. Springer Tracts in Nature-inspired Computing, 2020, , 231-251. | 1.2 | 8 |
| 18 | System reliability-redundancy allocation by the multiobjective plant propagation algorithm. International Journal of Quality and Reliability Management, 2022, 39, 902-909. | 1.3 | 8 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Multi-thresholds for fault isolation in the presence of uncertainties. ISA Transactions, 2016, 62, 299-311. | 3.1 | 7 |
| 22 | Availability Optimization of Parallel-Series System by Evolutionary Computation. , 2018, , . | | 7 |
| 23 | Multi-objective System Reliability Optimization in a Power Plant. , 2018, , . | | 7 |
| 24 | Design optimization of a car side safety system by particle swarm optimization and grey wolf optimizer. , 2021, , 15-24. | | 7 |
| 25 | Multi-objective System Design Optimization via PPA and a Fuzzy Method. International Journal of Fuzzy Systems, 2021, 23, 1213-1221. | 2.3 | 7 |
| 26 | 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 |
| 27 | 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 |
| 28 | Reliability optimization of power plant safety system using grey wolf optimizer and shuffled frog-leaping algorithm. , 2021, , 1-13. | | 4 |
| 29 | 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 |
| 30 | A discussion on "A GSO-based algorithm for combined heat and power dispatch problem with modified scrounger and ranger operators". Applied Thermal Engineering, 2017, 125, 91-93. | 3.0 | 3 |
| 31 | Replacement optimization of industrial components subject to technological obsolescence using artificial intelligence. , 2017, , . | | 3 |
| 32 | 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 |
| 33 | Cost and Availability optimization of Overspeed Protection System in a Power Plant. , 2019, , . | | 2 |
| 34 | 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 |
| 35 | System Reliability and Cost Optimization Under Various Scenarios Using NSGA-III. , 2020, , . | | 2 |
| 36 | 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 |

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|---|---------|----|-----------|
| 37 | 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 |
| 38 | Modeling And Simulation Of Mechatronic System To Integrated Design Of Supervision: Using A Bond Graph Approach. , 2011, , . | | 0 |
| 39 | Multi-objective System Reliability-redundancy Allocation in a Power Plant by Considering Three Targets. , 2020, , . | | 0 |
| 40 | Some Words About Nature-Inspired Computing. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 1-9. | 0.3 | 0 |