

abdellah El barkany

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

295
citations

1307594

7
h-index

1058476

14
g-index

46
all docs

46
docs citations

46
times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	Steel wire ropes failure analysis: Experimental study. <i>Engineering Failure Analysis</i> , 2018, 91, 234-242.	4.0	49
2	Energy management in the smart grid: State-of-the-art and future trends. <i>International Journal of Engineering Business Management</i> , 2021, 13, 184797902110329.	3.7	45
3	Inventory Models for Spare Parts Management: A Review. <i>International Journal of Engineering Research in Africa</i> , 0, 28, 182-198.	0.7	17
4	A Hybrid Decision-Making Model for Maintenance Prioritization in Health Care Systems. <i>American Journal of Applied Sciences</i> , 2016, 13, 439-450.	0.2	16
5	The integration of maintenance plans and production scheduling taking account of outsourcing: a literature review. <i>International Journal of Productivity and Quality Management</i> , 2017, 21, 1.	0.2	11
6	Multipass Turning Operation Process Optimization Using Hybrid Genetic Simulated Annealing Algorithm. <i>Modelling and Simulation in Engineering</i> , 2017, 2017, 1-10.	0.7	10
7	Optimizing the integrated production and maintenance planning using genetic algorithm. <i>International Journal of Engineering Business Management</i> , 2018, 10, 184797901877326.	3.7	10
8	Control system in the smart grid: State of the art and opportunities. , 2020, , .		10
9	Green Scheduling of Jobs and Flexible Periods of Maintenance in a Two-Machine Flowshop to Minimize Makespan, a Measure of Service Level and Total Energy Consumption. <i>Advances in Operations Research</i> , 2020, 2020, 1-9.	0.4	9
10	Medical maintenance performance monitoring: a roadmap to efficient improvement. <i>International Journal of Productivity and Quality Management</i> , 2017, 22, 117.	0.2	8
11	Hybrid Metaheuristics for Solving the Blocking Flowshop Scheduling Problem. <i>International Journal of Engineering Research in Africa</i> , 0, 36, 124-136.	0.7	8
12	Scheduling Problems of Flexible Manufacturing Systems: Review, Classification and Opportunities. <i>International Journal of Engineering Research in Africa</i> , 2016, 26, 142-160.	0.7	7
13	The integration of maintenance plans and production scheduling for a degradable multi-state system: a literature review. <i>International Journal of Productivity and Quality Management</i> , 2016, 19, 74.	0.2	7
14	Modeling and Optimization a Production/Maintenance Integrated Planning. <i>International Journal of Engineering Research in Africa</i> , 2017, 28, 169-181.	0.7	7
15	New Approach to Integrate Planning and Scheduling of Production System: Heuristic Resolution. <i>International Journal of Engineering Research in Africa</i> , 0, 39, 156-169.	0.7	7
16	Smart grid implementation in Morocco: Case study. <i>Materials Today: Proceedings</i> , 2021, 45, 7675-7679.	1.8	7
17	An Approach for the Evaluation of a Product's Process Planning during the Design Phase through a Group Multi-Criteria Decision-Making. <i>International Journal of Engineering Research in Africa</i> , 0, 38, 154-162.	0.7	6
18	Joint Scheduling of Jobs and Variable Maintenance Activities in the Flowshop Sequencing Problems: Review, Classification and Opportunities. <i>International Journal of Engineering Research in Africa</i> , 0, 39, 170-190.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Reliability Assessment of Degradable Systems under Imperfect Maintenance and Utilisation Rate: A Case Study. International Journal of Engineering Research in Africa, 2016, 26, 184-194.	0.7	5
20	Sales and Operations Planning (S&OP) Concepts and Models under Constraints: Literature Review. International Journal of Engineering Research in Africa, 2018, 34, 171-188.	0.7	5
21	Cost of quality in healthcare: a case study in a clinical laboratory. International Journal of Productivity and Quality Management, 2016, 17, 536.	0.2	4
22	Bayesian model for spare parts management. , 2017, , .		4
23	Models for Solving Integrated Planning and Scheduling Problem: Computational Comparison. International Journal of Engineering Research in Africa, 2018, 34, 161-170.	0.7	4
24	Performance Indicators for Spare Parts and Maintenance Management: An Analytical Study. Journal of Engineering (United States), 2020, 2020, 1-22.	1.0	4
25	Models of spare parts inventories' optimisation: a literature review. International Journal of Services, Economics and Management, 2016, 7, 95.	0.2	3
26	Modelling and Optimization of Integrated Planning of Production and Maintenance with Subcontract Constraint. International Journal of Engineering Research in Africa, 2018, 40, 184-203.	0.7	3
27	Hybrid approach for solving the integrated planning and scheduling production problem. Journal of Engineering, Design and Technology, 2019, 18, 172-189.	1.7	3
28	Integrated planning of production and maintenance for imperfect system with subcontracting strategies. International Journal of Engineering Business Management, 2020, 12, 184797902092978.	3.7	3
29	Toward an Integrated Approach of HV and MV Circuit-Breakers Optimization Maintenance Planning and Reliability Assessment: A Case Study. International Journal of Engineering Research in Africa, 0, 29, 133-153.	0.7	2
30	Optimizing subcontracting choice in the context of integrated maintenance into production. , 2018, , .		2
31	Planning and scheduling problems of production systems: review, classification and opportunities. International Journal of Productivity and Quality Management, 2019, 28, 372.	0.2	2
32	Joint optimization of production and maintenance for multi-machines subject to degradation and subcontracting constraints. Journal of Quality in Maintenance Engineering, 2020, 27, 64-91.	1.7	2
33	Integrating Production and Maintenance for a Multi-Lines System. International Journal of Performability Engineering, 2017, 13, 29-44.	0.8	2
34	Energy Management of a Fuzzy Control System in a Microgrid. E3S Web of Conferences, 2022, 353, 02002.	0.5	2
35	Scheduling problems with energy consideration: State of the art and opportunities. E3S Web of Conferences, 2020, 170, 01006.	0.5	1
36	Stochastic and Deterministic Petri Networks Model for Joint Management Model for Spare Parts and Maintenance: Simulation Study. International Journal of Engineering Research in Africa, 2020, 46, 180-188.	0.7	1

#	ARTICLE	IF	CITATIONS
37	A novel approach for process planning performance improvement. International Journal of Quality Engineering and Technology, 2014, 4, 42.	0.0	0
38	Applying genetic algorithm for integrated planning of production and maintenance. , 2017, , .		0
39	Multicriterial evaluation of process planning of a new product in the stage of its design. , 2018, , .		0
40	A Bayesian Model for Optimum Supply of Spare Parts. International Journal of Engineering Research in Africa, 2019, 42, 160-171.	0.7	0
41	Optimal Quality Degradation Modeling in Food Supply Chain. International Journal of Engineering Research in Africa, 2019, 45, 192-204.	0.7	0
42	Optimal Cutting Parameters Selection of Multi-Pass Face Milling Using Evolutionary Algorithms. , 2021, , 201-229.		0
43	A Novel Approach for Integrating the Optimization of the Lifetime and Cost of Manufacturing of a New Product during the Design Phase. SAE International Journal of Materials and Manufacturing, 0, 14, .	0.3	0
44	A Comparative Analysis of Metaheuristic Approaches (Genetic Algorithm/Hybridization of Genetic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 International Journal of Materials and Manufacturing, 0, 14, .	0.3	0
45	Decision making process based on Sales and Operations Planning (S&OP): a case study. , 2020, , .		0