

# 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	Energy Management of a Fuzzy Control System in a Microgrid. E3S Web of Conferences, 2022, 353, 02002.	0.5	2
2	Optimal Cutting Parameters Selection of Multi-Pass Face Milling Using Evolutionary Algorithms. , 2021, , 201-229.		0
3	Smart grid implementation in Morocco: Case study. Materials Today: Proceedings, 2021, 45, 7675-7679.	1.8	7
4	Energy management in the smart grid: State-of-the-art and future trends. International Journal of Engineering Business Management, 2021, 13, 184797902110329.	3.7	45
5	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
6	Scheduling problems with energy consideration: State of the art and opportunities. E3S Web of Conferences, 2020, 170, 01006.	0.5	1
7	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
8	Performance Indicators for Spare Parts and Maintenance Management: An Analytical Study. Journal of Engineering (United States), 2020, 2020, 1-22.	1.0	4
9	Integrated planning of production and maintenance for imperfect system with subcontracting strategies. International Journal of Engineering Business Management, 2020, 12, 184797902092978.	3.7	3
10	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. Advances in Operations Research, 2020, 2020, 1-9.	0.4	9
11	Decision making process based on Sales and Operations Planning (S&OP): a case study. , 2020, , .		0
12	Control system in the smart grid: State of the art and opportunities. , 2020, , .		10
13	A Bayesian Model for Optimum Supply of Spare Parts. International Journal of Engineering Research in Africa, 2019, 42, 160-171.	0.7	0
14	Hybrid approach for solving the integrated planning and scheduling production problem. Journal of Engineering, Design and Technology, 2019, 18, 172-189.	1.7	3
15	Planning and scheduling problems of production systems: review, classification and opportunities. International Journal of Productivity and Quality Management, 2019, 28, 372.	0.2	2
16	Optimal Quality Degradation Modeling in Food Supply Chain. International Journal of Engineering Research in Africa, 2019, 45, 192-204.	0.7	0
17	Steel wire ropes failure analysis: Experimental study. Engineering Failure Analysis, 2018, 91, 234-242.	4.0	49
18	Models for Solving Integrated Planning and Scheduling Problem: Computational Comparison. International Journal of Engineering Research in Africa, 2018, 34, 161-170.	0.7	4

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Optimizing subcontracting choice in the context of integrated maintenance into production. , 2018, , .		2
22	Optimizing the integrated production and maintenance planning using genetic algorithm. International Journal of Engineering Business Management, 2018, 10, 184797901877326.	3.7	10
23	Multicriterial evaluation of process planning of a new product in the stage of its design. , 2018, , .		0
24	Modeling and Optimization a Production/Maintenance Integrated Planning. International Journal of Engineering Research in Africa, 2017, 28, 169-181.	0.7	7
25	Applying genetic algorithm for integrated planning of production and maintenance. , 2017, , .		0
26	Bayesian model for spare parts management. , 2017, , .		4
27	The integration of maintenance plans and production scheduling taking account of outsourcing: a literature review. International Journal of Productivity and Quality Management, 2017, 21, 1.	0.2	11
28	Multipass Turning Operation Process Optimization Using Hybrid Genetic Simulated Annealing Algorithm. Modelling and Simulation in Engineering, 2017, 2017, 1-10.	0.7	10
29	Medical maintenance performance monitoring: a roadmap to efficient improvement. International Journal of Productivity and Quality Management, 2017, 22, 117.	0.2	8
30	Integrating Production and Maintenance for a Multi-Lines System. International Journal of Performability Engineering, 2017, 13, 29-44.	0.8	2
31	A Hybrid Decision-Making Model for Maintenance Prioritization in Health Care Systems. American Journal of Applied Sciences, 2016, 13, 439-450.	0.2	16
32	Models of spare parts inventories' optimisation: a literature review. International Journal of Services, Economics and Management, 2016, 7, 95.	0.2	3
33	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
34	Scheduling Problems of Flexible Manufacturing Systems: Review, Classification and Opportunities. International Journal of Engineering Research in Africa, 2016, 26, 142-160.	0.7	7
35	The integration of maintenance plans and production scheduling for a degradable multi-state system: a literature review. International Journal of Productivity and Quality Management, 2016, 19, 74.	0.2	7
36	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

#	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	Inventory Models for Spare Parts Management: A Review. International Journal of Engineering Research in Africa, 0, 28, 182-198.	0.7	17
39	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
40	An Approach for the Evaluation of a Product's Process Planning during the Design Phase through a Group Multi-Criteria Decision-Making. International Journal of Engineering Research in Africa, 0, 38, 154-162.	0.7	6
41	New Approach to Integrate Planning and Scheduling of Production System: Heuristic Resolution. International Journal of Engineering Research in Africa, 0, 39, 156-169.	0.7	7
42	Joint Scheduling of Jobs and Variable Maintenance Activities in the Flowshop Sequencing Problems: Review, Classification and Opportunities. International Journal of Engineering Research in Africa, 0, 39, 170-190.	0.7	6
43	Hybrid Metaheuristics for Solving the Blocking Flowshop Scheduling Problem. International Journal of Engineering Research in Africa, 0, 36, 124-136.	0.7	8
44	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
45	A Comparative Analysis of Metaheuristic Approaches (Genetic Algorithm/Hybridization of Genetic) Tj ETQq1 1 0.784314 rgBT /Overlo International Journal of Materials and Manufacturing, 0, 14, .	0.3	0