Mohammed Salah Bouakkaz

List of Publications by Year
in descending order

20 papers	353 citations	1307594 7 h-index	1125743 13 g-index
21 all docs	21 docs citations	21 times ranked	273 citing authors

#	Article	IF	Citations
1	A new time–frequency method for identification and classification of ball bearing faults. Journal of Sound and Vibration, 2017, 397, 241-265.	3.9	102
2	Novel predictive features using a wrapper model for rolling bearing fault diagnosis based on vibration signal analysis. International Journal of Advanced Manufacturing Technology, 2020, 106, 3409-3435.	3.0	50
3	Dynamic performance evaluation and improvement of PV energy generation systems using Moth Flame Optimization with combined fractional order PID and sliding mode controller. Solar Energy, 2020, 199, 411-424.	6.1	43
4	ANN based MPPT Algorithm Design using Real Operating Climatic Condition. , 2020, , .		24
5	Process step response based fractional PIλDμ controller parameters tuning for desired closed loop response. International Journal of Systems Science, 2016, 47, 521-532.	5.5	23
6	Vibration-based bearing fault diagnosis by an integrated DWT-FFT approach and an adaptive neuro-fuzzy inference system. , 2015, , .		15
7	Novel Machinery Monitoring Strategy Based on Time–Frequency Domain Similarity Measurement With Limited Labeled Data. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	15
8	Vibration-based gearbox fault diagnosis by DWPT and PCA approaches and an adaptive neuro-fuzzy inference system. , 2015, , .		13
9	Fuzzy Logic based Adaptive Step Hill Climbing MPPT Algorithm for PV Energy Generation Systems. , 2020, , .		13
10	Solar Energy Conversion Systems Optimization using Novel Jellyfish based Maximum Power Tracking Strategy. Procedia Computer Science, 2021, 194, 80-88.	2.0	9
11	Photovoltaic energy generation systems monitoring and performance optimization using wireless sensors network and metaheuristics. Sustainable Computing: Informatics and Systems, 2022, 35, 100684.	2.2	8
12	ANFIS-BASED MAXIMUM POWER POINT TRACKING USING GENETIC ALGORITHM TUNED FRACTIONAL-ORDER PROPORTIONAL-INTEGRAL-DERIVATIVE CONTROLLER AND ON-SITE MEASURED CLIMATIC DATA. International Journal of Energy for A Clean Environment, 2021, 22, 63-82.	1.1	7
13	Practical Implementation of Computational Algorithms for Efficient Power Conversion in Photovoltaic Energy Generation Systems. , 2020, , .		6
14	Direct synthesis-based fractional-order PID controller design: application to AVR system. International Journal of Dynamics and Control, 2022, 10, 2124-2138.	2.5	6
15	Rolling bearing fault diagnosis based on Improved Complete Ensemble Empirical Mode Decomposition. , 2016, , .		4
16	Supervision and Monitoring of Photovoltaic Systems Using Siemens PLC and HMI. Lecture Notes in Networks and Systems, 2021, , 1147-1157.	0.7	4
17	Modeling of the ND 240QCJ SHARP photovoltaic solar module and study the influence of the variation of the parameters. Procedia Computer Science, 2021, 194, 237-245.	2.0	4
18	Implementation of MPPT Methods for improving the Performance of Photovoltaic Systems. , 2021, , .		3

#	Article	IF	Citations
19	A Temperature Supervision Web Application Based on Wireless Wi-Fi ESP8266 Microcontroller and LM 35 Sensor. Lecture Notes in Networks and Systems, 2022, , 385-394.	0.7	1
20	Global Maximum Power Point Tracking Using Genetic Algorithm Combined with PSO Tuned PID Controller. Lecture Notes in Networks and Systems, 2021, , 1171-1180.	0.7	0