

Mohamed EL-Shimy

List of Publications by Year in descending order

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36
papers

750
citations

687363

13
h-index

580821

25
g-index

36
all docs

36
docs citations

36
times ranked

731
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of artificial intelligence and empirical models for energy production estimation of 20 MWp solar photovoltaic plant at the Saharan Medium of Algeria. International Journal of Energy Sector Management, 2021, 15, 119-138.	2.3	16
2	Ranking Subassemblies of Wind Energy Conversion Systems Concerning Their Impact on the Overall Reliability. IEEE Access, 2021, 9, 53754-53768.	4.2	6
3	Impact of subsystems on the overall system availability for the large scale grid-connected photovoltaic systems. Reliability Engineering and System Safety, 2020, 196, 106742.	8.9	20
4	Developing a new model for predicting global solar radiation on a horizontal surface located in Southwest Region of Algeria. NRIAG Journal of Astronomy and Geophysics, 2020, 9, 341-349.	0.9	11
5	Reliability, Availability and Maintainability Analysis for Grid-Connected Solar Photovoltaic Systems. Energies, 2019, 12, 1213.	3.1	82
6	Impact of load models on the static and dynamic performances of grid-connected wind power plants: A comparative analysis. Mathematics and Computers in Simulation, 2018, 149, 91-108.	4.4	22
7	Reduced-order modelling of solar PV generators for small signal stability assessment of power systems and estimation of maximum penetration levels. IET Generation, Transmission and Distribution, 2018, 12, 1838-1847.	2.5	28
8	A new empirical model for forecasting the diffuse solar radiation over Sahara in the Algerian Big South. Renewable Energy, 2018, 117, 530-537.	8.9	70
9	Optimized fixed tilt for incident solar energy maximization on flat surfaces located in the Algerian Big South. Sustainable Energy Technologies and Assessments, 2018, 28, 96-102.	2.7	44
10	Detailed Analyses of the Failure and Repair Rates of Wind and Solar- PV Systems for RAM Assessment. The International Conference on Electrical Engineering, 2018, 11, 1-16.	0.0	3
11	Improved framework for techno-economical optimization of wind energy production. Sustainable Energy Technologies and Assessments, 2017, 23, 57-72.	2.7	16
12	Performance of grid-connected wind power plants as affected by load models: A comparative study. , 2017, , .		15
13	Determining the maximum penetration level of solar-PV generator using eigenvalue analysis. , 2017, , .		3
14	Reliability assessment of wind turbine operating concepts using reliability block diagrams (RBDs). , 2017, , .		11
15	Impact of power transformer failures on customer interruptions costs using customer damage functions. , 2017, , .		5
16	The Penetration of Pollutant Productions on Dynamic Generated Power Operations Optimized Using a Novel Evolutionary Algorithm. International Journal on Advanced Science, Engineering and Information Technology, 2017, 7, 1825.	0.4	20
17	Stability-based minimization of load shedding in weakly interconnected systems for real-time applications. International Journal of Electrical Power and Energy Systems, 2015, 70, 99-107.	5.5	9
18	Photovoltaics energy: Improved modeling and analysis of the levelized cost of energy (LCOE) and grid parity – Egypt case study. Sustainable Energy Technologies and Assessments, 2015, 9, 37-48.	2.7	59

#	ARTICLE	IF	CITATIONS
19	Wind Energy Conversion Systems, Grid-Connected. , 2014, , 2162-2183.		2
20	Wind Energy Conversion Systems: Reliability Perspective. , 2014, , 2184-2206.		0
21	Modeling and analysis of reactive power in grid-connected onshore and offshore DFIG-based wind farms. Wind Energy, 2014, 17, 279-295.	4.2	13
22	Advanced modeling and analysis of the loading capability limits of doubly-fed induction generators. Sustainable Energy Technologies and Assessments, 2014, 7, 79-90.	2.7	8
23	Photovoltaic Technologies: History, Advances, and Characterization. , 2014, , 1397-1424.		2
24	Probable power production in optimally matched wind turbine generators. Sustainable Energy Technologies and Assessments, 2013, 2, 55-66.	2.7	7
25	Outage data analysis of utility power transformers based on outage reports during 2002-2009. International Journal of Electrical Power and Energy Systems, 2013, 47, 41-51.	5.5	16
26	Sizing optimisation of stand-alone photovoltaic generators for irrigation water pumping systems. International Journal of Sustainable Energy, 2013, 32, 333-350.	2.4	11
27	Estimating the global solar radiation for solar energy projects - Egypt case study. International Journal of Sustainable Energy, 2013, 32, 682-712.	2.4	10
28	Reactive power management and control of distant large-scale grid-connected offshore wind power farms. International Journal of Sustainable Energy, 2013, 32, 449-465.	2.4	6
29	PSO based optimized fuzzy controllers for decoupled highly interacted distillation process. Ain Shams Engineering Journal, 2012, 3, 251-266.	6.1	6
30	Reliability and maintainability analysis of medium voltage transformers in Egypt. The International Conference on Electrical Engineering, 2012, 8, 1-17.	0.0	0
31	Analysis of false tripping for power transformers in Egypt. The International Conference on Electrical Engineering, 2012, 8, 1-10.	0.0	0
32	Reliability analysis of 220kV power transformers in Egypt. Ain Shams Engineering Journal, 2011, 2, 183-194.	6.1	9
33	Optimal site matching of wind turbine generator: Case study of the Gulf of Suez region in Egypt. Renewable Energy, 2010, 35, 1870-1878.	8.9	73
34	Viability analysis of PV power plants in Egypt. Renewable Energy, 2009, 34, 2187-2196.	8.9	105
35	Impact of large scale wind power on power system stability. , 2008, , .		35
36	Adequacy-based placement of WECS in Egypt. , 2008, , .		7