Adel Mellit

List of Publications by Year
in descending order

28 papers	2,701 citations	471061 17 h-index	676716 22 g-index
28 all docs	28 docs citations	28 times ranked	2565 citing authors

#	Article	IF	Citations
1	Artificial intelligence techniques: Machine learning and deep learning algorithms. , 2022, , 43-83.		1
2	Forecasting of solar radiation using machine learning and deep learning algorithms. , 2022, , 85-111.		0
3	An Overview on the Application of Machine Learning and Deep Learning for Photovoltaic Output Power Forecasting. Lecture Notes in Electrical Engineering, 2021, , 55-68.	0.3	3
4	Deep Neural Networks for Predicting Solar Radiation at Hail Region, Saudi Arabia. IEEE Access, 2021, 9, 36719-36729.	2.6	42
5	Artificial intelligence and internet of things to improve efficacy of diagnosis and remote sensing of solar photovoltaic systems: Challenges, recommendations and future directions. Renewable and Sustainable Energy Reviews, 2021, 143, 110889.	8.2	101
6	Advanced Methods for Photovoltaic Output Power Forecasting: A Review. Applied Sciences (Switzerland), 2020, 10, 487.	1.3	158
7	ANN-based grid voltage and frequency forecaster. Journal of Engineering, 2019, 2019, 3687-3691.	0.6	4
8	Day-Ahead Photovoltaic Forecasting: A Comparison of the Most Effective Techniques. Energies, 2019, 12, 1621.	1.6	131
9	A Survey on the Application of Artificial Intelligence Techniques for Photovoltaic Systems. , 2018, , 735-761.		4
10	Review of techniques based on artificial neural networks for the electrical characterization of concentrator photovoltaic technology. Renewable and Sustainable Energy Reviews, 2017, 75, 938-953.	8.2	66
11	SARIMA-SVM hybrid model for the prediction of daily global solar radiation time series. , 2016, , .		1
12	Applications of ANNs in the Field of the HCPV Technology. Green Energy and Technology, 2015, , 333-351.	0.4	1
13	The Photovoltaic Laboratory at the University of Trieste, Italy. , 2014, , .		3
14	A study on the mismatch effect due to the use of different photovoltaic modules classes in large-scale solar parks. Progress in Photovoltaics: Research and Applications, 2014, 22, 332-345.	4.4	34
15	MPPT-based artificial intelligence techniques for photovoltaic systems and its implementation into field programmable gate array chips: Review of current status and future perspectives. Energy, 2014, 70, 1-21.	4.5	120
16	State feedback control and variable step size MPPT algorithm of three-level grid-connected photovoltaic inverter. Solar Energy, 2013, 98, 561-571.	2.9	35
17	Design and Implementation of Maximum Power Point Tracking Algorithm Using Fuzzy Logic and Genetic Algorithm. Green Energy and Technology, 2013, , 285-307.	0.4	1
18	ANFIS-based modelling for photovoltaic power supply system: A case study. Renewable Energy, 2011, 36, 250-258.	4.3	118

#	Article	IF	Citations
19	Application of Artificial Neural Networks for the Prediction of a 20-kWp Grid-Connected Photovoltaic Plant Power Output. Studies in Fuzziness and Soft Computing, 2011, , 261-283.	0.6	5
20	ANN-based GA for generating the sizing curve of stand-alone photovoltaic systems. Advances in Engineering Software, 2010, 41, 687-693.	1.8	31
21	Performance prediction of 20kWp grid-connected photovoltaic plant at Trieste (Italy) using artificial neural network. Energy Conversion and Management, 2010, 51, 2431-2441.	4.4	89
22	Application of neural networks and genetic algorithms for sizing of photovoltaic systems. Renewable Energy, 2010, 35, 2881-2893.	4.3	79
23	A 24-h forecast of solar irradiance using artificial neural network: Application for performance prediction of a grid-connected PV plant at Trieste, Italy. Solar Energy, 2010, 84, 807-821.	2.9	702
24	Radial Basis Function Network-based prediction of global solar radiation data: Application for sizing of a stand-alone photovoltaic system at Al-Madinah, Saudi Arabia. Energy, 2010, 35, 3751-3762.	4.5	141
25	Artificial intelligence techniques for photovoltaic applications: A review. Progress in Energy and Combustion Science, 2008, 34, 574-632.	15.8	668
26	Artificial Intelligence technique for modelling and forecasting of solar radiation data: a review. International Journal of Artificial Intelligence and Soft Computing, 2008, 1, 52.	0.1	139
27	Application of an artificial neural network for predicting the sizing curve of stand-alone photovoltaic system: a case study. International Journal of Power Electronics, 2008, 1, 150.	0.1	0
28	Sizing of stand-alone photovoltaic systems using neural network adaptive model. Desalination, 2007, 209, 64-72.	4.0	24