

Adel Mellit

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10754060/publications.pdf>

Version: 2024-02-01

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	A 24-h forecast of solar irradiance using artificial neural network: Application for performance prediction of a grid-connected PV plant at Trieste, Italy. <i>Solar Energy</i> , 2010, 84, 807-821.	2.9	702
2	Artificial intelligence techniques for photovoltaic applications: A review. <i>Progress in Energy and Combustion Science</i> , 2008, 34, 574-632.	15.8	668
3	Advanced Methods for Photovoltaic Output Power Forecasting: A Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 487.	1.3	158
4	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. <i>Energy</i> , 2010, 35, 3751-3762.	4.5	141
5	Artificial Intelligence technique for modelling and forecasting of solar radiation data: a review. <i>International Journal of Artificial Intelligence and Soft Computing</i> , 2008, 1, 52.	0.1	139
6	Day-Ahead Photovoltaic Forecasting: A Comparison of the Most Effective Techniques. <i>Energies</i> , 2019, 12, 1621.	1.6	131
7	MPPT-based artificial intelligence techniques for photovoltaic systems and its implementation into field programmable gate array chips: Review of current status and future perspectives. <i>Energy</i> , 2014, 70, 1-21.	4.5	120
8	ANFIS-based modelling for photovoltaic power supply system: A case study. <i>Renewable Energy</i> , 2011, 36, 250-258.	4.3	118
9	Artificial intelligence and internet of things to improve efficacy of diagnosis and remote sensing of solar photovoltaic systems: Challenges, recommendations and future directions. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110889.	8.2	101
10	Performance prediction of 20kWp grid-connected photovoltaic plant at Trieste (Italy) using artificial neural network. <i>Energy Conversion and Management</i> , 2010, 51, 2431-2441.	4.4	89
11	Application of neural networks and genetic algorithms for sizing of photovoltaic systems. <i>Renewable Energy</i> , 2010, 35, 2881-2893.	4.3	79
12	Review of techniques based on artificial neural networks for the electrical characterization of concentrator photovoltaic technology. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 938-953.	8.2	66
13	Deep Neural Networks for Predicting Solar Radiation at Hail Region, Saudi Arabia. <i>IEEE Access</i> , 2021, 9, 36719-36729.	2.6	42
14	State feedback control and variable step size MPPT algorithm of three-level grid-connected photovoltaic inverter. <i>Solar Energy</i> , 2013, 98, 561-571.	2.9	35
15	A study on the mismatch effect due to the use of different photovoltaic modules classes in large-scale solar parks. <i>Progress in Photovoltaics: Research and Applications</i> , 2014, 22, 332-345.	4.4	34
16	ANN-based GA for generating the sizing curve of stand-alone photovoltaic systems. <i>Advances in Engineering Software</i> , 2010, 41, 687-693.	1.8	31
17	Sizing of stand-alone photovoltaic systems using neural network adaptive model. <i>Desalination</i> , 2007, 209, 64-72.	4.0	24
18	Application of Artificial Neural Networks for the Prediction of a 20-kWp Grid-Connected Photovoltaic Plant Power Output. <i>Studies in Fuzziness and Soft Computing</i> , 2011, , 261-283.	0.6	5

#	ARTICLE	IF	CITATIONS
19	A Survey on the Application of Artificial Intelligence Techniques for Photovoltaic Systems. , 2018, , 735-761.		4
20	ANN-based grid voltage and frequency forecaster. Journal of Engineering, 2019, 2019, 3687-3691.	0.6	4
21	The Photovoltaic Laboratory at the University of Trieste, Italy. , 2014, , .		3
22	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
23	Applications of ANNs in the Field of the HCPV Technology. Green Energy and Technology, 2015, , 333-351.	0.4	1
24	SARIMA-SVM hybrid model for the prediction of daily global solar radiation time series. , 2016, , .		1
25	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
26	Artificial intelligence techniques: Machine learning and deep learning algorithms. , 2022, , 43-83.		1
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	Forecasting of solar radiation using machine learning and deep learning algorithms. , 2022, , 85-111.		0