Azim Heydari

List of Publications by Year
in descending order

28 papers	672 citations	566801 15 h-index	552369 26 g-index
28 all docs	28 docs citations	28 times ranked	541 citing authors

#	Article	IF	Citations
1	Short-term electricity price and load forecasting in isolated power grids based on composite neural network and gravitational search optimization algorithm. Applied Energy, 2020, 277, 115503.	5.1	122
2	A novel composite neural network based method for wind and solar power forecasting in microgrids. Applied Energy, 2019, 251, 113353.	5.1	67
3	Wind turbine power output prediction using a new hybrid neuro-evolutionary method. Energy, 2021, 229, 120617.	4.5	66
4	Renewable Energies Generation and Carbon Dioxide Emission Forecasting in Microgrids and National Grids using GRNN-GWO Methodology. Energy Procedia, 2019, 159, 154-159.	1.8	61
5	Air pollution forecasting application based on deep learning model and optimization algorithm. Clean Technologies and Environmental Policy, 2022, 24, 607-621.	2.1	44
6	A primary offshore wind farm site assessment using reanalysis data: a case study for Samothraki island. Renewable Energy, 2021, 172, 667-679.	4.3	34
7	Wind source potential assessment using Sentinel 1 satellite and a new forecasting model based on machine learning: A case study Sardinia islands. Renewable Energy, 2020, 155, 212-224.	4.3	32
8	Layout optimisation of offshore wave energy converters using a novel multi-swarm cooperative algorithm with backtracking strategy: A case study from coasts of Australia. Energy, 2022, 239, 122463.	4.5	31
9	A novel forecasting model for wind speed assessment using sentinel family satellites images and machine learning method. Renewable Energy, 2021, 179, 2198-2211.	4.3	24
10	A Mediterranean Sea Offshore Wind classification using MERRA-2 and machine learning models. Renewable Energy, 2022, 190, 156-166.	4.3	23
11	Hybrid intelligent strategy for multifactor influenced electrical energy consumption forecasting. Energy Sources, Part B: Economics, Planning and Policy, 2019, 14, 341-358.	1.8	22
12	A Combined Fuzzy GMDH Neural Network and Grey Wolf Optimization Application for Wind Turbine Power Production Forecasting Considering SCADA Data. Energies, 2021, 14, 3459.	1.6	20
13	A Hybrid Intelligent Model for the Condition Monitoring and Diagnostics of Wind Turbines Gearbox. IEEE Access, 2021, 9, 89878-89890.	2.6	19
14	A new methodology for offshore wind speed assessment integrating Sentinel-1, ERA-Interim and in-situ measurement. Renewable Energy, 2021, 172, 1301-1313.	4.3	19
15	A SWOT Analysis for Offshore Wind Energy Assessment Using Remote-Sensing Potential. Applied Sciences (Switzerland), 2020, 10, 6398.	1.3	16
16	Techno-Economic Study of a New Hybrid Solar Desalination System for Producing Fresh Water in a Hotâ€"Arid Climate. Sustainability, 2021, 13, 12676.	1.6	13
17	Optimal Planning for the Development of Power System in Respect to Distributed Generations Based on the Binary Dragonfly Algorithm. Applied Sciences (Switzerland), 2020, 10, 4795.	1.3	12
18	A new short-term energy price forecasting method based on wavelet neural network. International Journal of Mathematics in Operational Research, 2019, 14, 1.	0.1	10

#	ARTICLE	IF	CITATIONS
19	Performance Evaluation of Solar Power Plants: A Review and a Case Study. Processes, 2021, 9, 2253.	1.3	9
20	Interval prediction algorithm and optimal scenario making model for wind power producers bidding strategy. Optimization and Engineering, 2021, 22, 1807-1829.	1.3	8
21	Mid-Term Load Power Forecasting Considering Environment Emission using a Hybrid Intelligent Approach. , 2018, , .		5
22	A budget allocation and programming-based RCM approach to improve the reliability of power distribution networks. Energy Reports, 2022, 8, 5591-5602.	2.5	4
23	A new intelligent heuristic combined method for short-term electricity price forecasting in deregulated markets. Australian Journal of Electrical and Electronics Engineering, 2016, 13, 258-267.	0.7	3
24	A novel method for ranking fuzzy numbers based on the different areas fuzzy number. International Journal of Mathematics in Operational Research, 2017, 11, 544.	0.1	2
25	A novel method for ranking fuzzy numbers based on the different areas fuzzy number. International Journal of Mathematics in Operational Research, 2017, 11, 544.	0.1	2
26	A new short-term energy price forecasting method based on wavelet neural network. International Journal of Mathematics in Operational Research, 2019, 14, 1.	0.1	2
27	An evolutionary hybrid method to predict pistachio price. Complex & Intelligent Systems, 2017, 3, 121-132.	4.0	1
28	Analyzing Tehranâ€™s Air Pollution Using System Dynamics Approach. Sustainability, 2022, 14, 1181.	1.6	1