# Azim Heydari

List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Air pollution forecasting application based on deep learning model and optimization algorithm. Clean Technologies and Environmental Policy, 2022, 24, 607-621. | 2.1 | 44 |
| 2 | 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 |
| 3 | Analyzing Tehranâ€™s Air Pollution Using System Dynamics Approach. Sustainability, 2022, 14, 1181. | 1.6 | 1 |
| 4 | A Mediterranean Sea Offshore Wind classification using MERRA-2 and machine learning models. Renewable Energy, 2022, 190, 156-166. | 4.3 | 23 |
| 5 | 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 |
| 6 | A Hybrid Intelligent Model for the Condition Monitoring and Diagnostics of Wind Turbines Gearbox. IEEE Access, 2021, 9, 89878-89890. | 2.6 | 19 |
| 7 | Interval prediction algorithm and optimal scenario making model for wind power producers bidding strategy. Optimization and Engineering, 2021, 22, 1807-1829. | 1.3 | 8 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Wind turbine power output prediction using a new hybrid neuro-evolutionary method. Energy, 2021, 229, 120617. | 4.5 | 66 |
| 12 | 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 |
| 13 | 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 |
| 14 | Performance Evaluation of Solar Power Plants: A Review and a Case Study. Processes, 2021, 9, 2253. | 1.3 | 9 |
| 15 | 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 |
| 16 | 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 |
| 17 | A SWOT Analysis for Offshore Wind Energy Assessment Using Remote-Sensing Potential. Applied Sciences (Switzerland), 2020, 10, 6398. | 1.3 | 16 |
| 18 | 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 |

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|---|---------|-----|-----------|
| 19 | 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 |
| 20 | A novel composite neural network based method for wind and solar power forecasting in microgrids. Applied Energy, 2019, 251, 113353. | 5.1 | 67 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Mid-Term Load Power Forecasting Considering Environment Emission using a Hybrid Intelligent Approach. , 2018, , . | | 5 |
| 25 | An evolutionary hybrid method to predict pistachio price. Complex & Intelligent Systems, 2017, 3, 121-132. | 4.0 | 1 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |