Farshid Keynia

List of Publications by Year
in descending order

62 papers	3,679 citations	147566 31 h-index	143772 57 g-index
62 all docs	62 docs citations	62 times ranked	2992 citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term load forecasting of power systems by combination of wavelet transform and neuro-evolutionary algorithm. Energy, 2009, 34, 46-57.	4.5	270
2	Short-Term Load Forecast of Microgrids by a New Bilevel Prediction Strategy. IEEE Transactions on Smart Grid, 2010, 1, 286-294.	6.2	246
3	Wind Power Prediction by a New Forecast Engine Composed of Modified Hybrid Neural Network and Enhanced Particle Swarm Optimization. IEEE Transactions on Sustainable Energy, 2011, 2, 265-276.	5.9	245
4	Day-Ahead Price Forecasting of Electricity Markets by Mutual Information Technique and Cascaded Neuro-Evolutionary Algorithm. IEEE Transactions on Power Systems, 2009, 24, 306-318.	4.6	207
5	A new optimization method based on COOT bird natural life model. Expert Systems With Applications, 2021, 183, 115352.	4.4	206
6	A new short-term wind speed forecasting method based on fine-tuned LSTM neural network and optimal input sets. Energy Conversion and Management, 2020, 213, 112824.	4.4	183
7	Scrutiny of multifarious particle swarm optimization for finding the optimal size of a PV/wind/battery hybrid system. Renewable Energy, 2015, 80, 552-563.	4.3	159
8	Wild horse optimizer: a new meta-heuristic algorithm for solving engineering optimization problems. Engineering With Computers, 2022, 38, 3025-3056.	3.5	150
9	Day ahead price forecasting of electricity markets by a mixed data model and hybrid forecast method. International Journal of Electrical Power and Energy Systems, 2008, 30, 533-546.	3.3	136
10	Day-ahead electricity price forecasting by modified relief algorithm and hybrid neural network. IET Generation, Transmission and Distribution, 2010, 4, 432.	1.4	125
11	Short-term electricity load and price forecasting by a new optimal LSTM-NN based prediction algorithm. Electric Power Systems Research, 2021, 192, 106995.	2.1	125
12	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
13	Short-term wind power forecasting using ridgelet neural network. Electric Power Systems Research, 2011, 81, 2099-2107.	2.1	105
14	Hunter–prey optimization: algorithm and applications. Soft Computing, 2022, 26, 1279-1314.	2.1	93
15	A new cascade NN based method to short-term load forecast in deregulated electricity market. Energy Conversion and Management, 2013, 71, 76-83.	4.4	79
16	A new short-term load forecast method based on neuro-evolutionary algorithm and chaotic feature selection. International Journal of Electrical Power and Energy Systems, 2014, 62, 862-867.	3.3	73
17	A novel composite neural network based method for wind and solar power forecasting in microgrids. Applied Energy, 2019, 251, 113353.	5.1	67
18	A New Neural Network Approach to Short Term Load Forecasting of Electrical Power Systems. Energies, 2011, 4, 488-503.	1.6	66

#	Article	IF	Citations
19	Mid-term load forecasting of power systems by a new prediction method. Energy Conversion and Management, 2008, 49, 2678-2687.	4.4	63
20	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
21	Day-ahead price forecasting of electricity markets by a new feature selection algorithm and cascaded neural network technique. Energy Conversion and Management, 2009, 50, 2976-2982.	4.4	60
22	A new prediction strategy for price spike forecasting of day-ahead electricity markets. Applied Soft Computing Journal, 2011, 11, 4246-4256.	4.1	60
23	Electricity market price spike analysis by a hybrid data model and feature selection technique. Electric Power Systems Research, 2010, 80, 318-327.	2.1	55
24	A new feature selection algorithm and composite neural network for electricity price forecasting. Engineering Applications of Artificial Intelligence, 2012, 25, 1687-1697.	4.3	54
25	Cooperative Spectrum Sensing Meets Machine Learning: Deep Reinforcement Learning Approach. IEEE Communications Letters, 2020, 24, 1459-1462.	2.5	51
26	Application of a new hybrid neuro-evolutionary system for day-ahead price forecasting of electricity markets. Applied Soft Computing Journal, 2010, 10, 784-792.	4.1	47
27	A new model for reliability-centered maintenance prioritisation of distribution feeders. Energy, 2019, 171, 701-709.	4.5	46
28	Air pollution forecasting application based on deep learning model and optimization algorithm. Clean Technologies and Environmental Policy, 2022, 24, 607-621.	2.1	44
29	Feeder reconfiguration and capacitor allocation in the presence of non€linear loads using new P€PSO algorithm. IET Generation, Transmission and Distribution, 2016, 10, 2316-2326.	1.4	42
30	Mid€term electricity load forecasting by a new composite method based on optimal learning MLP algorithm. IET Generation, Transmission and Distribution, 2020, 14, 845-852.	1.4	37
31	A new hybrid iterative method for short-term wind speed forecasting. European Transactions on Electrical Power, 2011, 21, 581-595.	1.0	33
32	Designing of customer and employee churn prediction model based on data mining method and neural predictor. , 2017, , .		31
33	A new spinning reserve requirement forecast method for deregulated electricity markets. Applied Energy, 2010, 87, 1870-1879.	5.1	29
34	Generation expansion planning by considering energy-efficiency programs in a competitive environment. International Journal of Electrical Power and Energy Systems, 2016, 80, 109-118.	3.3	28
35	A new <scp>index€based</scp> method for optimal <scp>DG</scp> placement in distribution networks. Engineering Reports, 2020, 2, e12243.	0.9	28
36	A Mediterranean Sea Offshore Wind classification using MERRA-2 and machine learning models. Renewable Energy, 2022, 190, 156-166.	4.3	23

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37	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
38	Asset management and maintenance programming for power distribution systems: A review. IET Generation, Transmission and Distribution, 2021, 15, 2287-2297.	1.4	20
39	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
40	A two-stage stochastic programming framework for risk-based day-ahead operation of a virtual power plant. International Transactions on Electrical Energy Systems, 2020, 30, e12255.	1.2	18
41	The Prediction of the Risk Level of Pulmonary Embolism and Deep Vein Thrombosis through Artificial Neural Network. Acta Informatica Medica, 2016, 24, 354.	0.5	17
42	OWMA: An improved self-regulatory woodpecker mating algorithm using opposition-based learning and allocation of local memory for solving optimization problems. Journal of Intelligent and Fuzzy Systems, 2021, 40, 919-946.	0.8	16
43	A new optimal energy storage system model for wind power producers based on long short term memory and Coot Bird Search Algorithm. Journal of Energy Storage, 2021, 44, 103401.	3.9	16
44	Two-layer volt/var/total harmonic distortion control in distribution network based on PVs output and load forecast errors. IET Generation, Transmission and Distribution, 2017, 11, 2130-2137.	1.4	14
45	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
46	HSCWMA: A New Hybrid SCA-WMA Algorithm for Solving Optimization Problems. International Journal of Information Technology and Decision Making, 2021, 20, 775-808.	2.3	11
47	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
48	Lifetime efficiency index model for optimal maintenance of power substation equipment based on cuckoo optimisation algorithm. IET Generation, Transmission and Distribution, 2017, 11, 2787-2795.	1.4	9
49	Interval prediction algorithm and optimal scenario making model for wind power producers bidding strategy. Optimization and Engineering, 2021, 22, 1807-1829.	1.3	8
50	An optimal design to provide combined cooling, heating, and power of residential buildings. International Journal of Modelling and Simulation, 0, , 1-16.	2.3	6
51	Mid-Term Load Power Forecasting Considering Environment Emission using a Hybrid Intelligent Approach. , 2018, , .		5
52	Electricity price forecasting with a new feature selection algorithm. Journal of Energy Markets, 2008, 1, 47-63.	0.2	4
53	A new financial loss/gain wind power forecasting method based on deep machine learning algorithm by using energy storage system. IET Generation, Transmission and Distribution, 2022, 16, 851-868.	1.4	4
54	A Dataset-Independent Model for Estimating Software Development Effort Using Soft Computing Techniques. Applied Computer Science, 2019, 24, 82-93.	0.3	4

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55	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
56	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
57	A new population initialisation method based on the Pareto 80/20 rule for metaâ€heuristic optimisation algorithms. IET Software, 2021, 15, 323-347.	1.5	3
58	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
59	An evolutionary hybrid method to predict pistachio price. Complex & Intelligent Systems, 2017, 3, 121-132.	4.0	1
60	Intelligent method to cryptocurrency price variation forecasting. Journal of Engineering, 2020, 2020, 745-750.	0.6	1
61	Sampling in weighted social networks using a levy flight-based learning automata. Journal of Supercomputing, 0, , 1.	2.4	0
62	A new indexâ€based hyperâ€heuristic algorithm for global optimisation problems. IET Software, 0, , .	1.5	0