

# Zhi-Feng Liu

## List of Publications by Year in descending order

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25  
papers

1,026  
citations

516561

16  
h-index

580701

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

785  
citing authors

#	ARTICLE	IF	CITATIONS
1	Renewable energy prediction: A novel short-term prediction model of photovoltaic output power. Journal of Cleaner Production, 2019, 228, 359-375.	4.6	112
2	Improved tunicate swarm algorithm: Solving the dynamic economic emission dispatch problems. Applied Soft Computing Journal, 2021, 108, 107504.	4.1	97
3	Dynamic economic emission dispatch considering renewable energy generation: A novel multi-objective optimization approach. Energy, 2021, 235, 121407.	4.5	88
4	Prediction short-term photovoltaic power using improved chicken swarm optimizer - Extreme learning machine model. Journal of Cleaner Production, 2020, 248, 119272.	4.6	87
5	Wind power prediction using a novel model on wavelet decomposition-support vector machines-improved atomic search algorithm. Journal of Cleaner Production, 2020, 270, 121817.	4.6	69
6	Enhancing the Lithium-ion battery life predictability using a hybrid method. Applied Soft Computing Journal, 2019, 74, 110-121.	4.1	68
7	Joint optimization method for task scheduling time and energy consumption in mobile cloud computing environment. Applied Soft Computing Journal, 2019, 80, 534-545.	4.1	67
8	Extreme learning machine optimized by whale optimization algorithm using insulated gate bipolar transistor module aging degree evaluation. Expert Systems With Applications, 2019, 127, 58-67.	4.4	63
9	A maximum power point tracking method for PV system with improved gravitational search algorithm. Applied Soft Computing Journal, 2018, 65, 333-348.	4.1	53
10	Improving short-term wind power prediction using hybrid improved cuckoo search arithmetic - Support vector regression machine. Journal of Cleaner Production, 2021, 279, 123739.	4.6	53
11	Reducing environmental pollution and fuel consumption using optimization algorithm to develop combined cooling heating and power system operation strategies. Journal of Cleaner Production, 2020, 247, 119082.	4.6	46
12	Using multi-objective sparrow search algorithm to establish active distribution network dynamic reconfiguration integrated optimization. Expert Systems With Applications, 2022, 193, 116445.	4.4	32
13	Biogeography-based optimization based on population competition strategy for solving the substation location problem. Expert Systems With Applications, 2018, 97, 290-302.	4.4	31
14	Performance evaluation of solar hybrid combined cooling, heating and power systems: A multi-objective arithmetic optimization algorithm. Energy Conversion and Management, 2022, 258, 115541.	4.4	28
15	Short-term photovoltaic power prediction on modal reconstruction: A novel hybrid model approach. Sustainable Energy Technologies and Assessments, 2021, 45, 101048.	1.7	20
16	Optimal scale Gaussian process regression model in Insulated Gate Bipolar Transistor remaining life prediction. Applied Soft Computing Journal, 2019, 78, 261-273.	4.1	19
17	Reliability measure model for electromechanical products under multiple types of uncertainties. Applied Soft Computing Journal, 2018, 65, 69-78.	4.1	12
18	Prediction of IGBT power module remaining lifetime using the aging state approach. Microelectronics Reliability, 2019, 102, 113476.	0.9	12

#	ARTICLE	IF	CITATIONS
19	Improving the Reliability of Photovoltaic and Wind Power Storage Systems Using Least Squares Support Vector Machine Optimized by Improved Chicken Swarm Algorithm. Applied Sciences (Switzerland), 2019, 9, 3788.	1.3	12
20	Photovoltaic array prediction on short-term output power method in Centralized power generation system. Annals of Operations Research, 2020, 290, 243-263.	2.6	12
21	A cloud load forecasting model with nonlinear changes using whale optimization algorithm hybrid strategy. Soft Computing, 2021, 25, 10205-10220.	2.1	12
22	Power load forecasting in energy system based on improved extreme learning machine. Energy Exploration and Exploitation, 2020, 38, 1194-1211.	1.1	10
23	Life prediction of lithium-ion battery based on a hybrid model. Energy Exploration and Exploitation, 2020, 38, 1854-1878.	1.1	10
24	The Open-Circuit Voltage Characteristic and State of Charge Estimation for Lithium-Ion Batteries Based on an Improved Estimation Algorithm. Journal of Testing and Evaluation, 2020, 48, 20170558.	0.4	10
25	Design and Optimization of Combined Cooling, Heating, and Power Microgrid with Energy Storage Station Service. Symmetry, 2022, 14, 791.	1.1	3