Zhe Song

List of Publications by Year
in descending order

37 papers	2,353 citations	304602 22 h-index	414303 32 g-index
37 all docs	37 docs citations	37 times ranked	2222 citing authors

#	Article	IF	Citations
1	Design of wind farm layout for maximum wind energy capture. Renewable Energy, 2010, 35, 685-694.	4.3	392
2	Short-Term Prediction of Wind Farm Power: A Data Mining Approach. IEEE Transactions on Energy Conversion, 2009, 24, 125-136.	3.7	342
3	On-line monitoring of power curves. Renewable Energy, 2009, 34, 1487-1493.	4.3	194
4	Models for monitoring wind farm power. Renewable Energy, 2009, 34, 583-590.	4.3	180
5	Wind farm power prediction: a data–mining approach. Wind Energy, 2009, 12, 275-293.	1.9	131
6	Very short-term wind speed forecasting with Bayesian structural break model. Renewable Energy, 2013, 50, 637-647.	4.3	123
7	Short-term wind speed forecasting with Markov-switching model. Applied Energy, 2014, 130, 103-112.	5.1	98
8	Numerical investigation on porous media heat transfer in a solar tower receiver. Renewable Energy, 2011, 36, 1138-1144.	4.3	75
9	Data-Driven Wind Turbine Power Generation Performance Monitoring. IEEE Transactions on Industrial Electronics, 2015, 62, 6627-6635.	5.2	74
10	Dynamic control of wind turbines. Renewable Energy, 2010, 35, 456-463.	4.3	67
11	Combustion Efficiency Optimization and Virtual Testing: A Data-Mining Approach. IEEE Transactions on Industrial Informatics, 2006, 2, 176-184.	7.2	62
12	Power optimization of wind turbines with data mining and evolutionary computation. Renewable Energy, 2010, 35, 695-702.	4.3	62
13	Anticipatory Control of Wind Turbines With Data-Driven Predictive Models. IEEE Transactions on Energy Conversion, 2009, 24, 766-774.	3.7	54
14	Constraint-Based Control of Boiler Efficiency: A Data-Mining Approach. IEEE Transactions on Industrial Informatics, 2007, 3, 73-83.	7.2	52
15	A comparative study of the data-driven day-ahead hourly provincial load forecasting methods: From classical data mining to deep learning. Renewable and Sustainable Energy Reviews, 2020, 119, 109632.	8.2	47
16	Wind turbine health state monitoring based on a Bayesian data-driven approach. Renewable Energy, 2018, 125, 172-181.	4.3	46
17	Mining Markov chain transition matrix from wind speed time series data. Expert Systems With Applications, 2011, 38, 10229-10239.	4.4	40
18	Day-Ahead Prediction of Bihourly Solar Radiance With a Markov Switch Approach. IEEE Transactions on Sustainable Energy, 2017, 8, 1536-1547.	5.9	36

#	Article	IF	Citations
19	The decision model of 3-dimensional wind farm layout design. Renewable Energy, 2016, 85, 248-258.	4.3	34
20	Data-driven building load profiling and energy management. Sustainable Cities and Society, 2019, 49, 101587.	5.1	29
21	Clustering-Based Performance Optimization of the Boiler–Turbine System. IEEE Transactions on Energy Conversion, 2008, 23, 651-658.	3.7	27
22	Wind Power Curve Data Cleaning by Image Thresholding Based on Class Uncertainty and Shape Dissimilarity. IEEE Transactions on Sustainable Energy, 2021, 12, 1383-1393.	5.9	24
23	Multiobjective Optimization of Temporal Processes. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 845-856.	5.5	23
24	Planning Product Configurations Based on Sales Data. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 602-609.	3.3	22
25	Optimization of Temporal Processes: A Model Predictive Control Approach. IEEE Transactions on Evolutionary Computation, 2009, 13, 169-179.	7.5	20
26	Scheduling electric power production at a wind farm. European Journal of Operational Research, 2013, 224, 227-238.	3.5	20
27	A novel global maximum power point tracking method for PV system using Jaya algorithm. , 2017, , .		20
28	Formulation and Analysis of Grid and Coordinate Models for Planning Wind Farm Layouts. IEEE Access, 2017, 5, 1810-1819.	2.6	18
29	Sensor Fault Detection in Power Plants. Journal of Energy Engineering - ASCE, 2009, 135, 127-137.	1.0	17
30	Mining Pareto-optimal modules for delayed product differentiation. European Journal of Operational Research, 2010, 201, 123-128.	3.5	15
31	An agent-based model to study the market dynamics of perpetual and subscription licensing. Journal of the Operational Research Society, 2015, 66, 845-857.	2.1	5
32	Chinese Perception of Justice in Integrative Negotiation in Stranger and Acquaintance Contexts. Social Behavior and Personality, 2012, 40, 845-854.	0.3	2
33	Enhancing the generalizability of predictive models with synergy of data and physics. Measurement Science and Technology, 2022, 33, 034002.	1.4	2
34	A heuristic model for scheduling wind turbines. , 2011, , .		0
35	Day-ahead Prediction of Bi-hourly Solar Radiance with a Markov Switch Approach. , 2018, , .		0
36	Improving Combustion Performance by Online Learning. Energy Systems, 2009, , 131-148.	0.5	0

#	Article	IF	Citations
37	Editorial: Engineering Applications of Neurocomputing. Frontiers in Neurorobotics, 2022, 16, 839505.	1.6	0