

Xiaolei Liu

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,631
citations

567281

15
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

997
citing authors

#	ARTICLE	IF	CITATIONS
1	Ensemble offshore Wind Turbine Power Curve modelling – An integration of Isolation Forest, fast Radial Basis Function Neural Network, and metaheuristic algorithm. <i>Energy</i> , 2022, 239, 122340.	8.8	20
2	Anomaly detection in wind turbine SCADA data for power curve cleaning. <i>Renewable Energy</i> , 2022, 184, 473-486.	8.9	47
3	Short-term offshore wind power forecasting - A hybrid model based on Discrete Wavelet Transform (DWT), Seasonal Autoregressive Integrated Moving Average (SARIMA), and deep-learning-based Long Short-Term Memory (LSTM). <i>Renewable Energy</i> , 2022, 185, 611-628.	8.9	100
4	Wind power forecasting – A data-driven method along with gated recurrent neural network. <i>Renewable Energy</i> , 2021, 163, 1895-1909.	8.9	188
5	Impacts of water depth increase on offshore floating wind turbine dynamics. <i>Ocean Engineering</i> , 2021, 224, 108697.	4.3	13
6	Design and application of new impeller-type wax-proof device based on speed-increasing wax-proof mechanism. <i>Journal of Petroleum Science and Engineering</i> , 2021, 200, 108392.	4.2	4
7	Short-term offshore wind speed forecast by seasonal ARIMA - A comparison against GRU and LSTM. <i>Energy</i> , 2021, 227, 120492.	8.8	189
8	Impact of Covid-19 pandemic on electricity demand in the UK based on multivariate time series forecasting with Bidirectional Long Short Term Memory. <i>Energy</i> , 2021, 227, 120455.	8.8	34
9	Fault detection by an ensemble framework of Extreme Gradient Boosting (XGBoost) in the operation of offshore wind turbines. <i>Renewable Energy</i> , 2021, 179, 945-962.	8.9	59
10	Prediction of two-phase flow patterns in upward inclined pipes via deep learning. <i>Energy</i> , 2020, 210, 118541.	8.8	68
11	Systematic Investigation of Integrating Small Wind Turbines into Power Supply for Hydrocarbon Production. <i>Energies</i> , 2020, 13, 3243.	3.1	2
12	A Critical Review of Wind Power Forecasting Methods – Past, Present and Future. <i>Energies</i> , 2020, 13, 3764.	3.1	173
13	Review of variable speed drive technology in beam pumping units for energy-saving. <i>Energy Reports</i> , 2020, 6, 2676-2688.	5.1	16
14	Assessment of Wind Turbine Aero-Hydro-Servo-Elastic Modelling on the Effects of Mooring Line Tension via Deep Learning. <i>Energies</i> , 2020, 13, 2264.	3.1	19
15	Wind power prediction based on high-frequency SCADA data along with isolation forest and deep learning neural networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 118, 105835.	5.5	93
16	Dynamic coupling modelling and application case analysis of high-slip motors and pumping units. <i>PLoS ONE</i> , 2020, 15, e0227827.	2.5	2
17	Wind power forecasting of an offshore wind turbine based on high-frequency SCADA data and deep learning neural network. <i>Energy</i> , 2020, 201, 117693.	8.8	120
18	A comprehensive assessment of correlations for two-phase flow through Venturi tubes. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 78, 103323.	4.4	13

#	ARTICLE	IF	CITATIONS
19	A systematic study of harnessing low-temperature geothermal energy from oil and gas reservoirs. Energy, 2018, 142, 346-355.	8.8	69
20	Assessment of deep geothermal energy exploitation methods: The need for novel single-well solutions. Energy, 2018, 160, 54-63.	8.8	97
21	Swept blade influence on aerodynamic performance of steam turbine nozzle cascades. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	1.3	0
22	Liquid loading in gas wells: From core-scale transient measurements to coupled field-scale simulations. Journal of Petroleum Science and Engineering, 2017, 157, 1056-1066.	4.2	3
23	Selection method modelling and matching rule for rated power of prime motor used by Beam Pumping Units. Journal of Petroleum Science and Engineering, 2017, 153, 197-202.	4.2	13
24	Liquid loading in gas wells: Experimental investigation of back pressure effects on the near-wellbore reservoir. Journal of Natural Gas Science and Engineering, 2016, 36, 434-441.	4.4	4
25	Unconventional Completion Design for Deep Geothermal Wells. , 2015, , .		2
26	Investigation of Back Pressure Effects on Transient Gas Flow Through Porous Media via Laboratory Experiments and Numerical Simulation. , 2014, , .		0
27	Potential for Harnessing the Heat from a Mature High-Pressure-High-Temperature Oil Field in Italy. , 2014, , .		3
28	A systematic review of enhanced (or engineered) geothermal systems: past, present and future. Geothermal Energy, 2013, 1, .	1.9	280