

A N Afandi

List of Publications by Year in descending order

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95
papers

487
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840119

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times ranked

93
citing authors

#	ARTICLE	IF	CITATIONS
1	Designed Operating Approach of Economic Dispatch for Java Bali Power Grid Areas Considered Wind Energy and Pollutant Emission Optimized Using Thunderstorm Algorithm Based on Forward Cloud Charge Mechanism. <i>International Review of Electrical Engineering</i> , 2018, 13, 59.	0.1	26
2	Stand-Alone Data Logger for Solar Panel Energy System with RTC and SD Card. <i>Journal of Physics: Conference Series</i> , 2018, 1028, 012065.	0.3	23
3	Impact of load models on the static and dynamic performances of grid-connected wind power plants: A comparative analysis. <i>Mathematics and Computers in Simulation</i> , 2018, 149, 91-108.	2.4	22
4	Optimal scheduling power generations using HSABC algorithm considered a new penalty factor approach. , 2014, , .		21
5	The Penetration of Pollutant Productions on Dynamic Generated Power Operations Optimized Using a Novel Evolutionary Algorithm. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2017, 7, 1825.	0.2	20
6	Improved artificial bee colony algorithm considering harvest season for computing economic dispatch on power system. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2014, 9, 251-257.	0.8	19
7	Low cost operation of an off-grid wind-PV system electrifying residential homes through combinatorial optimization by the RCGA. , 2017, , .		19
8	SPEKTRA fast and smart software for renewable energy management. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 105, 012077.	0.2	18
9	Optimization harmonic shunt passive filter using detuned reactor and capacitor bank to improvement power quality in hybrid power plant. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	18
10	Preliminary study of wireless balloon network using adaptive position tracking technology for post disaster event. <i>Telkomnika (Telecommunication Computing Electronics and Control)</i> , 2019, 17, 1767.	0.6	18
11	Thunderstorm Algorithm for Determining Unit Commitment in Power System Operation. <i>Journal of Engineering and Technological Sciences</i> , 2016, 48, 743-752.	0.3	18
12	Solution of dynamic economic dispatch considered dynamic penalty factor. , 2016, , .		16
13	VLC-UM: A Novel Virtual Laboratory using Machine Learning and Artificial Intelligence. , 2019, , .		16
14	Performance of grid-connected wind power plants as affected by load models: A comparative study. , 2017, , .		15
15	Renewable energy inclusion on economic power optimization using thunderstorm algorithm. , 2017, , .		15
16	A Natural Phenomenon Emphasizing of the Thunderstorm Processes and Salmon Migration for the Optimal Power Production of the Power System Operation. , 2018, , .		12
17	Comparing Performances of Evolutionary Algorithms on the Emission Dispatch and Economic Dispatch Problem. <i>Telkomnika (Telecommunication Computing Electronics and Control)</i> , 2015, 13, 1187.	0.6	12
18	Artificial salmon tracking algorithm: Preliminary designing approach for optimizing the integrated mixed energy composition. <i>MATEC Web of Conferences</i> , 2018, 204, 04002.	0.1	11

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19	New Algorithm to Determine Prediction Accuracy on Wireless Sensor Networks. , 2019, , .		11
20	Optimization Service Discovery in Wireless Balloon Network. , 2018, , .		10
21	Wind power plant from air conditioning exhaust using L Savonius wind turbine. AIP Conference Proceedings, 2019, , .	0.3	10
22	Self Energy Management System for Battery Operated Data Logger Device Based on IoT. , 2019, , .		10
23	Performance Analysis of Vertical Wind Turbine Type Savonius-L Based on Wind Speed, Rotation Speed, and Number of Blades. , 2019, , .		10
24	Solving Combined Economic and Emission Dispatch Using Harvest Season Artificial Bee Colony Algorithm Considering Food Source Placements and Modified Rates. International Journal on Electrical Engineering and Informatics, 2014, 6, 266-279.	0.3	10
25	Performance Index Analysis (PIA) for N-1 Contingency Transmission in 150 kV Electricity System. , 2019, , .		8
26	Self-powered IoT Based Vibration Monitoring of Induction Motor for Diagnostic and Prediction Failure. IOP Conference Series: Materials Science and Engineering, 2019, 588, 012016.	0.3	8
27	Realtime Potential Energy Monitoring and Data Logging Systems on the River Flow for Micro Hydro Power Plants. , 2020, , .		6
28	Developing a simulator of renewable energy as a learning media of energy conversion. IOP Conference Series: Earth and Environmental Science, 2018, 105, 012079.	0.2	5
29	Mitigation of the alternative energy for the wind farm center considering temperature and wind speed. MATEC Web of Conferences, 2018, 204, 04013.	0.1	4
30	Improved Two Switched-Inductor Quasi-Z-Source Inverter with High Voltage Gain and Reduced Inductor Current Ripple. , 2018, , .		4
31	Performance SFCL to Short Circuit Current Fault on Four Types of Wind Power Plant as Distributed Generation. , 2020, , .		4
32	Comparative study: Pitch angle variation for making power curve and search maximum power of horizontal axis wind turbine. AIP Conference Proceedings, 2020, , .	0.3	4
33	Exploration of genetic network programming with two-stage reinforcement learning for mobile robot. Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 1447.	0.6	4
34	Power Flow Analysis of Power System Topology Development for Advancing Electricity System of Local Interconnection. , 2018, , .		3
35	Mathematical approach of natural mechanism for exploring structures of evolutionary algorithm. AIP Conference Proceedings, 2018, , .	0.3	3
36	Cloud Charge Impacts on Thunderstorm Algorithm Performances Considering the Scheduled Power Output Optimization Problem. , 2018, , .		3

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37	Comparison of ABC and Genetic Algorithms on Economic Power Dispatch. , 2018, , .		3
38	Natural Obstacles and Biological Salmon Behaviors Link to Modelling Approaches of Computational Intelligence Procedures for the Standard System. IOP Conference Series: Earth and Environmental Science, 2019, 276, 012002.	0.2	3
39	Monitoring electrical energy in electronic energy audits through internet of things technology. Journal of Physics: Conference Series, 2019, 1402, 077067.	0.3	3
40	Solitary Extramedullary Plasmacytoma of the Sphenoid Sinus: A Case Report. Indian Journal of Otolaryngology and Head and Neck Surgery, 2019, 71, 1692-1694.	0.3	3
41	The New Intelligent Wireless Sensor Network using Artificial Intelligence for Building Fire Disasters. , 2020, , .		3
42	Starting Induction Motor at Different Voltage Levels in the Electrical Power System. , 2021, , .		3
43	New Hybrid Algorithm Implementation on spread Wireless Sensor to determine the point of fire in the building. , 2020, , .		3
44	Setting Analysis of Over Current Relay and Ground Fault Relay on Transformer Protection System of High Voltage Substation System. , 2018, , .		2
45	An Opportunity of Artificial Salmon Tracking Algorithm for the Optimal Power Wheeling Considering Open Tariffing Systems of the Transmission Charges. , 2018, , .		2
46	Demand Forecasting Considering Actual Peak Load Periods Using Artificial Neural Network. , 2018, , .		2
47	Dual Active-Switched-Capacitor Quasi-Z-Source Inverter. , 2019, , .		2
48	Optimization of Power Balance Transaction Based on Renewable Energy Sources Using Artificial Salmon Tracking Algorithm for Modeling the Interconnected Grid Development. Advances in Science, Technology and Engineering Systems, 2019, 4, 38-44.	0.4	2
49	A New Evolutionary Method for Solving Combined Economic and Emission Dispatch. Energy and Power Engineering, 2013, 05, 774-779.	0.5	2
50	Harvest Season Artificial Bee Colony, Superior Performances on Combined Economic and Emission Dispatch of Power System. International Journal of Computer and Electrical Engineering, 2013, , 538-544.	0.2	2
51	Current Ripple Analysis of New Double-Stator AC Drive Systems. Telkomnika (Telecommunication) Tj ETQq1 1 0.784314 rgBT ₂ /Overlook	0.6	2
52	A New Transformerless High Voltage Gain DC-DC Converter for DC Microgrid. , 2020, , .		2
53	Design of a PV Powered Charging Station for PHEVs. , 2018, , .		1
54	Application of Load Shifting Methode Using Pump Storage for Saving Cost Production of Electrical Energy in Java-Bali 500 KV Electrical Power System. , 2019, , .		1

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55	Enhanced Boost Active Switched Impedance Quasi Z-Source Inverter. , 2019, , .		1
56	Analysis of Load Fluctuation Effect on the Excitation Current of the Three-Phase Synchronous Generator at the Diesel Power Plant. , 2019, , .		1
57	Experimental Validation of the Piezoelectric Energy Harvester for Wearable Devices. IOP Conference Series: Materials Science and Engineering, 2019, 588, 012014.	0.3	1
58	Application of Fuzzy Logic to Electrical Protection Devices. Journal of Physics: Conference Series, 2020, 1501, 012013.	0.3	1
59	Load Factor Improvement on Daily Load Curve Using Pump Storage to Saving Production Cost. , 2020, , .		1
60	Solar Energy Monitoring System Design Using Radio Frequency for Remote Areas. , 2020, , .		1
61	Wind gradient impact on the potential wind energy profile based on the ground launch. AIP Conference Proceedings, 2020, , .	0.3	1
62	Renewable Energy Inclusion on Economic Power Optimization using Thunderstorm Algorithm. Proceeding of the Electrical Engineering Computer Science and Informatics, 2017, 4, .	0.0	1
63	Operating Assessment of Local Power Grid Development Considered Captive Power Plant and Expanding Structure. Przegląd Elektrotechniczny, 2019, 1, 77-82.	0.1	1
64	Interconnection of Battery Charging Station and Renewable Energy in Electrical Power System. , 2020, , .		1
65	Variable switching period to achieve minimum output current ripple of discontinuous PWM three-phase voltage source inverters. , 2016, , .		0
66	Welcome message from the ICEEIE. , 2017, , .		0
67	Power Grid Capacity Forecasting Based on Electrical Energy Requirements Considering Macroeconomic Factor in Malang Regency. , 2018, , .		0
68	Quasi Z-Source Inverter as MPPT on Renewable Energy using Grey Wolf Technique. , 2018, , .		0
69	Local power grid assessment of the power system expansion considering captive power plants. AIP Conference Proceedings, 2019, , .	0.3	0
70	Developing electrical energy saving in State University of Malang. IOP Conference Series: Earth and Environmental Science, 2019, 245, 012043.	0.2	0
71	Analysis of Solar Power Plant Integration in Pakis District on 150 Kv Interconnection System. , 2019, , .		0
72	Analysis of Solar Power Plant Integration in Pakis District on 150 Kv Interconnection System. , 2019, , .		0

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73	Develop of Control Water Supply Pump Based on Supervisory Control and Data Acquisition on Instrumentation and Power Generator Control in Grade X Students Majoring In Electric Power in the PGRI 3 Vocation School Malang. Journal of Physics: Conference Series, 2019, 1413, 012017.	0.3	0
74	Transient Stability Analysis to Determine CCT Due to Increased Load and Addition of Transmission Lines in Malang Raya Interconnection System. , 2019, , .		0
75	Transformation of Thunderstorm Mechanisms into Computational Intelligence Applied to the Load Dispatch. , 2019, , .		0
76	Multiple Tie-Line Configuration Scenarios for Voltage Quality Improvement in Malang Transmission System. , 2019, , .		0
77	Generate and Test Algorithm Performance Analysis for Distribution System Priority Management in Sengkaling Substation Malang. , 2020, , .		0
78	Heat transfer analysis of three phase transformer considering unpredictable load demand changes. AIP Conference Proceedings, 2020, , .	0.3	0
79	The behaviour of nanofluids flooded in printed mini channels when excited by a small electrical potential. International Journal of Nanomanufacturing, 2020, 16, 76.	0.3	0
80	Engineering model development using Fuzzy Logic for wireless protective devices. Journal of Physics: Conference Series, 2020, 1511, 012091.	0.3	0
81	Performances of photovoltaic array configurations under partial shading condition. AIP Conference Proceedings, 2020, , .	0.3	0
82	The downstream speed estimation of the wind farm energy harvesting considering a random surface roughness. AIP Conference Proceedings, 2020, , .	0.3	0
83	Digital Learning Materials of Solar Energy Conversion Efficiency Based on Conceptual Understanding. , 2020, , .		0
84	A testbed of intelligent sun tracking system and thermoelectric generator with Fresnel lens at solar cell system for maximizing generated energy. Journal of Physics: Conference Series, 2020, 1595, 012017.	0.3	0
85	Control of the load supply on hybrid generating system. Journal of Physics: Conference Series, 2020, 1595, 012022.	0.3	0
86	Impact of sugar factory pollutants on the insulatorsâ€™ impurity. Journal of Physics: Conference Series, 2020, 1595, 012013.	0.3	0
87	Optimal Power Transfer Using Resonant Coupling For Wireless Capacitive Load. , 2020, , .		0
88	A New Smart Learning Framework using Artificial Intelligence. , 2020, , .		0
89	A new switching control approach to reduce capacitor bank inrush current. AIP Conference Proceedings, 2020, , .	0.3	0
90	Analysis of maintenance scheduling transformer oil using Markov method. AIP Conference Proceedings, 2020, , .	0.3	0

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91	Analysis of Power Transactions on the Integrated Solar Home System. , 2020, , .		0
92	Monitoring Design of Temperature and Humidity Issues in IoT-Based Train Passenger cars. , 2021, , .		0
93	Studi prakiraan beban listrik menggunakan metode artificial neural network. Tekno, 2019, 28, 116.	0.0	0
94	Reduction of Short Circuit Current Fault on Photovoltaic and Wind Power Plant as Distributed Generation Using SFCL. , 2020, , .		0
95	Cascaded H-Bridge Dual Active Switched-Capacitor Quasi Z-Source Inverter. , 2020, , .		0