A N Afandi

List of Publications by Year
in descending order

95 papers	487 citations	840119 11 h-index	940134 16 g-index
95 all docs	95 docs citations	95 times ranked	93 citing authors

#	Article	IF	Citations
1	Monitoring Design of Temperature and Humidity Issues in IoT-Based Train Passenger cars. , 2021, , .		0
2	Starting Induction Motor at Different Voltage Levels in the Electrical Power System. , 2021, , .		3
3	Generate and Test Algorithm Performance Analysis for Distribution System Priority Management in Sengkaling Substation Malang. , 2020, , .		0
4	Heat transfer analysis of three phase transformer considering unpredictable load demand changes. AIP Conference Proceedings, 2020, , .	0.3	0
5	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
6	Engineering model development using Fuzzy Logic for wireless protective devices. Journal of Physics: Conference Series, 2020, 1511, 012091.	0.3	0
7	Performance SFCL to Short Circuit Current Fault on Four Types of Wind Power Plant as Distributed Generation. , 2020, , .		4
8	Performances of photovoltaic array configurations under partial shading condition. AIP Conference Proceedings, 2020, , .	0.3	0
9	The downstream speed estimation of the wind farm energy harvesting considering a random surface roughness. AIP Conference Proceedings, 2020, , .	0.3	0
10	Digital Learning Materials of Solar Energy Conversion Efficiency Based on Conceptual Understanding. , 2020, , .		0
11	Realtime Potential Energy Monitoring and Data Logging Systems on the River Flow for Micro Hydro Power Plants. , 2020, , .		6
12	Application of Fuzzy Logic to Electrical Protection Devices. Journal of Physics: Conference Series, 2020, 1501, 012013.	0.3	1
13	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
14	The New Intelligent Wireless Sensor Network using Artificial Intelligence for Building Fire Disasters. , 2020, , .		3
15	Control of the load supply on hybrid generating system. Journal of Physics: Conference Series, 2020, 1595, 012022.	0.3	0
16	Impact of sugar factory pollutants on the insulators' impurity. Journal of Physics: Conference Series, 2020, 1595, 012013.	0.3	0
17	Optimal Power Transfer Using Resonant Coupling For Wireless Capacitive Load. , 2020, , .		0
18	A New Smart Learning Framework using Artificial Intelligence. , 2020, , .		0

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19	Load Factor Improvement on Daily Load Curve Using Pump Storage to SavingProduction Cost. , 2020, , .		1
20	Solar Energy Monitoring System Design Using Radio Frequency for Remote Areas. , 2020, , .		1
21	A new switching control approach to reduce capacitor bank inrush current. AIP Conference Proceedings, 2020, , .	0.3	0
22	Analysis of maintenance scheduling transformer oil using Markov method. AIP Conference Proceedings, 2020, , .	0.3	0
23	Optimization harmonic shunt passive filter using detuned reactor and capacitor bank to improvement power quality in hybrid power plant. AIP Conference Proceedings, 2020, , .	0.3	18
24	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
25	Wind gradient impact on the potential wind energy profile based on the ground launch. AIP Conference Proceedings, 2020, , .	0.3	1
26	Analysis of Power Transactions on the Integrated Solar Home System. , 2020, , .		0
27	Reduction of Short Circuit Current Fault on Photovoltaic and Wind Power Plant as Distributed Generation Using SFCL. , 2020, , .		0
28	New Hybrid Algorithm Implementation on spread Wireless Sensor to determine the point of fire in the building. , 2020, , .		3
29	Interconnection of Battery Charging Station and Renewable Energy in Electrical Power System. , 2020, , .		1
30	Cascaded H-Bridge Dual Active Switched-Capacitor Quasi Z-Source Inverter. , 2020, , .		0
31	A New Transformerless High Voltage Gain DC-DC Converter for DC Microgrid. , 2020, , .		2
32	Local power grid assessment of the power system expansion considering captive power plants. AIP Conference Proceedings, 2019, , .	0.3	0
33	Developing electrical energy saving in State University of Malang. IOP Conference Series: Earth and Environmental Science, 2019, 245, 012043.	0.2	0
34	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
35	Wind power plant from air conditioning exhaust using L Savonius wind turbine. AIP Conference Proceedings, 2019, , .	0.3	10
36	Analysis of Solar Power Plant Integration in Pakis District on 150 Kv Interconnection System. , 2019, , .		0

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37	Analysis of Solar Power Plant Integration in Pakis District on 150 Kv Interconnection System. , 2019, , .		0
38	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
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	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
41	Transient Stability Analysis to Determine CCT Due to Increased Load and Addition of Transmission Lines in Malang Raya Interconnection System. , 2019, , .		0
42	Transformation of Thunderstorm Mechanisms into Computational Intelligence Applied to the Load Dispatch. , 2019, , .		0
43	Enhanced Boost Active Switched Impedance Quasi Z-Source Inverter. , 2019, , .		1
44	Multiple Tie-Line Configuration Scenarios for Voltage Quality Improvement in Malang Transmission System. , 2019, , .		0
45	New Algorithm to Determine Prediction Accuracy on Wireless Sensor Networks. , 2019, , .		11
46	Self Energy Management System for Battery Operated Data Logger Device Based on IoT. , 2019, , .		10
47	Analysis of Load Fluctuation Effect on the Excitation Current of the Three-Phase Synchronous Generator at the Diesel Power Plant. , 2019, , .		1
48	Performance Index Analysis (PIA) for N-1 Contingency Transmission in 150 kV Electricity System. , 2019, , .		8
49	Dual Active-Switched-Capacitor Quasi-Z-Source Inverter. , 2019, , .		2
50	VLC-UM: A Novel Virtual Laboratory using Machine Learning and Artificial Intelligence. , 2019, , .		16
51	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
52	Performance Analysis of Vertical Wind Turbine Type Savonius-L Based on Wind Speed, Rotation Speed, and Number of Blades. , 2019, , .		10
53	Experimental Validation of the Piezoelectric Energy Harvester for Wearable Devices. IOP Conference Series: Materials Science and Engineering, 2019, 588, 012014.	0.3	1
54	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

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55	Preliminary study of wireless balloon network using adaptive position tracking technology for post disaster event. Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 1767.	0.6	18
56	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
57	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
58	Studi prakiraan beban listrik menggunakan metode artificial neural network. Tekno, 2019, 28, 116.	0.0	0
59	Operating Assessment of Local Power Grid Development Considered Captive Power Plant and Expanding Structure. Przeglad Elektrotechniczny, 2019, 1, 77-82.	0.1	1
60	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
61	Impact of load models on the static and dynamic performances of grid-connected wind power plants: A comparative analysis. Mathematics and Computers in Simulation, 2018, 149, 91-108.	2.4	22
62	Stand-Alone Data Logger for Solar Panel Energy System with RTC and SD Card. Journal of Physics: Conference Series, 2018, 1028, 012065.	0.3	23
63	Setting Analysis of Over Current Relay and Ground Fault Relay on Transformer Protection System of High Voltage Substation System. , 2018, , .		2
64	Power Flow Analysis of Power System Topology Development for Advancing Electricity System of Local Interconnection. , 2018, , .		3
65	Mathematical approach of natural mechanism for exploring structures of evolutionary algorithm. AIP Conference Proceedings, 2018, , .	0.3	3
66	Power Grid Capacity Forecasting Based on Electrical Energy Requirements Considering Macroeconomic Factor in Malang Regency. , 2018, , .		0
67	An Opportunity of Artificial Salmon Tracking Algorithm for the Optimal Power Wheeling Considering Open Tariffing Systems of the Transmission Charges. , 2018, , .		2
68	Design of a PV Powered Charging Station for PHEVs. , 2018, , .		1
69	Artificial salmon tracking algorithm: Preliminary designing approach for optimizing the integrated mixed energy composition. MATEC Web of Conferences, 2018, 204, 04002.	0.1	11
70	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
71	Demand Forecasting Considering Actual Peak Load Periods Using Artificial Neural Network. , 2018, , .		2
72	Quasi Z-Source Inverter as MPPT on Renewable Energy using Grey Wolf Technique. , 2018, , .		0

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73	Cloud Charge Impacts on Thunderstorm Algorithm Performances Considering the Scheduled Power Output Optimization Problem. , 2018, , .		3
74	Improved Two Switched-Inductor Quasi-Z-Source Inverter with High Voltage Gain and Reduced Inductor Current Ripple. , 2018, , .		4
75	SPEKTRA fast and smart software for renewable energy management. IOP Conference Series: Earth and Environmental Science, 2018, 105, 012077.	0.2	18
76	A Natural Phenomenon Emphasizing of the Thunderstorm Processes and Salmon Migration for the Optimal Power Production of the Power System Operation. , 2018, , .		12
77	Optimization Service Discovery in Wireless Balloon Network. , 2018, , .		10
78	Comparison of ABC and Genetic Algorithms on Economic Power Dispatch. , 2018, , .		3
79	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. International Review of Electrical Engineering, 2018, 13, 59.	0.1	26
80	Performance of grid-connected wind power plants as affected by load models: A comparative study. , 2017, , .		15
81	Low cost operation of an off-grid wind-PV system electrifying residential homes through combinatorial optimization by the RCGA. , 2017, , .		19
82	Welcome message from the ICEEIE. , 2017, , .		0
83	Renewable energy inclusion on economic power optimization using thunderstorm algorithm. , 2017, , .		15
84	Renewable Energy Inclusion on Economic Power Optimization using Thunderstorm Algorithm. Proceeding of the Electrical Engineering Computer Science and Informatics, 2017, 4, .	0.0	1
85	The Penetration of Pollutant Productions on Dynamic Generated Power Operations Optimized Using a Novel Evolutionary Algorithm. International Journal on Advanced Science, Engineering and Information Technology, 2017, 7, 1825.	0.2	20
86	Variable switching period to achieve minimum output current ripple of discontinuous PWM three-phase voltage source inverters. , 2016, , .		0
87	Solution of dynamic economic dispatch considered dynamic penalty factor. , 2016, , .		16
88	Thunderstorm Algorithm for Determining Unit Commitment in Power System Operation. Journal of Engineering and Technological Sciences, 2016, 48, 743-752.	0.3	18
89	Comparing Performances of Evolutionary Algorithms on the Emission Dispatch and Economic Dispatch Problem. Telkomnika (Telecommunication Computing Electronics and Control), 2015, 13, 1187.	0.6	12
90	Current Ripple Analysis of New Double-Stator AC Drive Systems. Telkomnika (Telecommunication) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	2

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91	Optimal scheduling power generations using HSABC algorithm considered a new penalty factor approach. , 2014, , .		21
92	Improved artificial bee colony algorithm considering harvest season for computing economic dispatch on power system. IEEJ Transactions on Electrical and Electronic Engineering, 2014, 9, 251-257.	0.8	19
93	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
94	A New Evolutionary Method for Solving Combined Economic and Emission Dispatch. Energy and Power Engineering, 2013, 05, 774-779.	0.5	2
95	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