

Jagadeesh Pasupuleti

List of Publications by Year in descending order

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77
papers

1,552
citations

394421

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docs citations

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times ranked

1538
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive study and performance analysis of deep neural network-based approaches in wind time-series forecasting. <i>Journal of Reliable Intelligent Environments</i> , 2023, 9, 183-200.	5.2	6
2	A Review of the Sustainable Utilization of Rice Residues for Bioenergy Conversion Using Different Valorization Techniques, Their Challenges, and Techno-Economic Assessment. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3427.	2.6	20
3	Network loss reduction and voltage improvement by optimal placement and sizing of distributed generators with active and reactive power injection using fine-tuned PSO. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2021, 21, 647.	0.8	3
4	The Optimal Placement and Sizing of Distributed Generation in an Active Distribution Network with Several Soft Open Points. <i>Energies</i> , 2021, 14, 1084.	3.1	30
5	Performance evaluation of PV penetration at different locations in a LV distribution network connected with an off-load tap changing transformer. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2021, 21, 987.	0.8	1
6	Prospective Methodologies in Hybrid Renewable Energy Systems for Energy Prediction Using Artificial Neural Networks. <i>Sustainability</i> , 2021, 13, 2393.	3.2	62
7	A review on the characteristic of biomass and classification of bioenergy through direct combustion and gasification as an alternative power supply. <i>Journal of Physics: Conference Series</i> , 2021, 1831, 012033.	0.4	30
8	An Adaptive TE-PV Hybrid Energy Harvesting System for Self-Powered IoT Sensor Applications. <i>Sensors</i> , 2021, 21, 2604.	3.8	24
9	The Effect of Plants on the Energy Output of Green Roof Photovoltaic Systems in Tropical Climates. <i>Sustainability</i> , 2021, 13, 4505.	3.2	16
10	Comparison of Reactive Power Control Techniques for Solar PV Inverters to Mitigate Voltage Rise in Low-Voltage Grids. <i>Electronics (Switzerland)</i> , 2021, 10, 1569.	3.1	18
11	Self-Sustained Autonomous Wireless Sensor Network with Integrated Solar Photovoltaic System for Internet of Smart Home-Building (IoSHB) Applications. <i>Micromachines</i> , 2021, 12, 653.	2.9	22
12	Performance Evaluation of Solar PV Inverter Controls for Overvoltage Mitigation in MV Distribution Networks. <i>Electronics (Switzerland)</i> , 2021, 10, 1456.	3.1	6
13	Optimal Operation of Stand-Alone Microgrid Considering Emission Issues and Demand Response Program Using Whale Optimization Algorithm. <i>Sustainability</i> , 2021, 13, 7710.	3.2	19
14	A Review of Energy Management and Power Management Systems for Microgrid and Nanogrid Applications. <i>Sustainability</i> , 2021, 13, 10331.	3.2	24
15	Experiment analysis on the characteristic of empty fruit bunch, palm kernel shell, coconut shell, and rice husk for biomass boiler fuel. <i>Journal of Mechanical Engineering and Sciences</i> , 2021, 15, 8300-8309.	0.6	3
16	A Comparative Performance Analysis of ANN Algorithms for MPPT Energy Harvesting in Solar PV System. <i>IEEE Access</i> , 2021, 9, 102137-102152.	4.2	60
17	A review of strategic charging"discharging control of grid-connected electric vehicles. <i>Journal of Energy Storage</i> , 2020, 28, 101193.	8.1	188
18	Application and assessment of internet of things toward the sustainability of energy systems: Challenges and issues. <i>Sustainable Cities and Society</i> , 2020, 53, 101957.	10.4	89

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19	Optimal Placement and Sizing of DGs in Distribution Networks Using MLPPO Algorithm. <i>Energies</i> , 2020, 13, 6185.	3.1	38
20	An Overview of the Building Energy Management System Considering the Demand Response Programs, Smart Strategies and Smart Grid. <i>Energies</i> , 2020, 13, 3299.	3.1	34
21	An Autonomous Home Energy Management System Using Dynamic Priority Strategy in Conventional Homes. <i>Energies</i> , 2020, 13, 3312.	3.1	8
22	IoT-Enabled High Efficiency Smart Solar Charge Controller with Maximum Power Point Tracking Design, Hardware Implementation and Performance Testing. <i>Electronics (Switzerland)</i> , 2020, 9, 1267.	3.1	21
23	Prospective Efficient Ambient Energy Harvesting Sources for IoT-Equipped Sensor Applications. <i>Electronics (Switzerland)</i> , 2020, 9, 1345.	3.1	45
24	Mechanism of Photoanodes for Dye-Sensitized and Perovskite Solar Cells. <i>Handbook of Environmental Chemistry</i> , 2020, , 25-44.	0.4	0
25	Generalized approach to assess and characterise the impact of solar PV on LV networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 121, 106058.	5.5	18
26	The impacts of number of solar photovoltaic units on distribution network losses and voltage profile. , 2020, , .		5
27	Assessing the Performance of Smart Inverter Functionalities in PV-Rich LV Distribution Networks. , 2020, , .		3
28	Mitigation of overvoltage due to high penetration of solar photovoltaics using smart inverters volt/var control. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2020, 19, 1259.	0.8	10
29	Comprehensive learning particle swarm optimization for sizing and placement of distributed generation for network loss reduction. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2020, 20, 16.	0.8	4
30	Multi-Leader Particle Swarm Optimization for Optimal Planning of Distributed Generation. , 2020, , .		1
31	Islanded Microgrid with Decentralized Control for Optimal Generation Dispatch. , 2020, , .		0
32	Technical and Economic Analysis of Floating PV System for Putra Mosque in Malaysia. , 2020, , .		1
33	Performance assessment of a 619kW photovoltaic power plant in the northeast of peninsular Malaysia. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2020, 20, 9.	0.8	2
34	PV-Battery System Design for an Indigenous People School in Malaysia. , 2019, , .		1
35	Smart Buildings Aggregator Bidding Strategy as a Negawatt Demand Response Resources in the Spinning Reserve Electricity Market. , 2019, , .		9
36	Energy management system for PV-battery microgrid based on model predictive control. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2019, 15, 20.	0.8	16

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37	Power system stabilizer optimization using BBO algorithm for a better damping of rotor oscillations owing to small disturbances. FME Transactions, 2019, 47, 166-176.	1.4	6
38	Single Machine connected Infinite Bus system tuning coordination control using Biogeography: Based Optimization algorithm. FME Transactions, 2019, 47, 502-510.	1.4	6
39	Modeling and Simulation of a PV-Diesel-Battery System for a Standalone Microgrid. , 2018, , .		1
40	Technical Constraints of Integrating Net Energy Metering from the Malaysian Perspective. , 2018, , .		3
41	Load frequency control for mini-hydropower system: A new approach based on self-tuning fuzzy proportional-derivative scheme. Sustainable Energy Technologies and Assessments, 2018, 30, 253-262.	2.7	16
42	Implementation and Analysis of BBO Algorithm for Better Damping of Rotor Oscillations of a Synchronous Machine. Advances in Intelligent Systems and Computing, 2018, , 73-85.	0.6	1
43	Optimal Grid-Connected PV System for a Campus Microgrid. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 12, 899.	0.8	16
44	Electricity demand uncertainty modeling using enhanced path-based scenario generation method. , 2017, , .		3
45	BBO algorithm-based tuning of PID controller for speed control of synchronous machine. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 3274-3285.	1.4	6
46	A micro-hydropower system model with PD load frequency controller for Resort Islands in the South China Sea. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012003.	0.3	0
47	A new fuzzy self-tuning PD load frequency controller for micro-hydropower system. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012002.	0.3	0
48	Anticipatory response model for multi-agent based energy management system in a standalone microgrid. , 2016, , .		1
49	Data from renewable energy assessments for resort islands in the South China Sea. Data in Brief, 2016, 6, 117-120.	1.0	5
50	Multi-agent based distributed control architecture for microgrid energy management and optimization. Energy Conversion and Management, 2016, 112, 288-307.	9.2	153
51	Energy audit data for a resort island in the South China Sea. Data in Brief, 2016, 6, 489-491.	1.0	4
52	Replacement model for hybrid Photovoltaic/Diesel generator/Battery system's components with typical control strategy. , 2015, , .		0
53	Modeling of photovoltaic array output current based on actual performance using artificial neural networks. Journal of Renewable and Sustainable Energy, 2015, 7, 053107.	2.0	6
54	Coordination of PSS and PID Controller for Power System Stability Enhancement " Overview. Indian Journal of Science and Technology, 2015, 8, 142.	0.7	22

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55	Simplified performance models of photovoltaic/diesel generator/battery system considering typical control strategies. Energy Conversion and Management, 2015, 99, 313-325.	9.2	54
56	Modeling and Characterization of a Photovoltaic Array Based on Actual Performance Using Cascade-Forward Back Propagation Artificial Neural Network. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, .	1.8	20
57	Optimal combination of solar, wind, micro-hydro and diesel systems based on actual seasonal load profiles for a resort island in the South China Sea. Energy, 2015, 82, 80-97.	8.8	94
58	A review of process and operational system control of hybrid photovoltaic/diesel generator systems. Renewable and Sustainable Energy Reviews, 2015, 44, 436-446.	16.4	114
59	Battery Energy Storage System for PV Output Power Leveling. Advances in Power Electronics, 2014, 2014, 1-11.	0.8	8
60	Micro-hydropower potential assessment and generation volatility due to seasonal climate. , 2014, , .		7
61	Optimal combinations of PV, wind, micro-hydro and diesel systems for a seasonal load demand. , 2014, , .		12
62	DFIG wind-turbine modeling with reactive power control integrated to large distribution network. , 2014, , .		5
63	Sensitivity of artificial neural network based model for photovoltaic system actual performance. , 2014, , .		3
64	Auto tuning of PID controller of a synchronous machine connected to a linear and non linear load. , 2014, , .		3
65	Design of an Almost Harmonic-free TCR. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 388-395.	0.1	2
66	Automatic Power Factor Correction Using a Harmonic-Suppressed TCR Equipped with a New Adaptive Current Controller. Journal of Power Electronics, 2014, 14, 742-753.	1.5	2
67	A Comparative Study of the Z-N, Adaptation Law and PSO Methods of Tuning the PID Controller of a Synchronous Machine. International Review on Modelling and Simulations, 2014, 7, 918.	0.3	3
68	Combined heat and power (CHP) economic dispatch solved using Lagrangian relaxation with surrogate subgradient multiplier updates. International Journal of Electrical Power and Energy Systems, 2013, 44, 421-430.	5.5	134
69	Building automation: Photovoltaic assisted thermal comfort management system for energy saving. IOP Conference Series: Earth and Environmental Science, 2013, 16, 012013.	0.3	0
70	Energy efficiency monitoring and economic analysis for energy saving potential in UNITEN. IOP Conference Series: Earth and Environmental Science, 2013, 16, 012012.	0.3	0
71	4th International Conference on Energy and Environment 2013 (ICEE 2013). IOP Conference Series: Earth and Environmental Science, 2013, 16, 011001.	0.3	0
72	Strategies to improve energy efficiency in sewage treatment plants. IOP Conference Series: Earth and Environmental Science, 2013, 16, 012033.	0.3	2

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73	Design of a Three-Phase Statcom-Based Inductive Static VAR Compensator Using DC Capacitor Voltage Control Scheme. Research Journal of Applied Sciences, Engineering and Technology, 2013, 5, 1674-1680.	0.1	0
74	Demand Response Impact on Market Operator's Revenue and Load Profile of a Grid Connected with Wind Power Plants. Journal of Electrical Engineering and Technology, 2013, 8, 46-52.	2.0	2
75	Implementation of photovoltaics in Malaysia. , 2009, , .		0
76	Micro-Hydro and Pico-Hydro Potential Assessment for Ungauged Sites in the South China Sea Islands. Applied Mechanics and Materials, 0, 785, 632-636.	0.2	0
77	Control of Hybrid Distributed Energy Resources with Storage Connected to Microgrid. IOP Conference Series: Materials Science and Engineering, 0, 932, 012093.	0.6	1