

Yang Du

List of Publications by Year in descending order

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43
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all docs

43
docs citations

43
times ranked

1324
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-Term Photovoltaic Power Forecasting Based on Long Short Term Memory Neural Network and Attention Mechanism. IEEE Access, 2019, 7, 78063-78074.	4.2	240
2	A Hybrid LSTM Neural Network for Energy Consumption Forecasting of Individual Households. IEEE Access, 2019, 7, 157633-157642.	4.2	136
3	Multi-Step Short-Term Power Consumption Forecasting with a Hybrid Deep Learning Strategy. Energies, 2018, 11, 3089.	3.1	124
4	An Improved MPPT Method for PV System With Fast-Converging Speed and Zero Oscillation. IEEE Transactions on Industry Applications, 2016, 52, 5051-5064.	4.9	92
5	Deep Learning Based Multistep Solar Forecasting for PV Ramp-Rate Control Using Sky Images. IEEE Transactions on Industrial Informatics, 2021, 17, 1397-1406.	11.3	84
6	Forecasting-Based Power Ramp-Rate Control Strategies for Utility-Scale PV Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 1862-1871.	7.9	78
7	Battery-integrated boost converter utilizing distributed MPPT configuration for photovoltaic systems. Solar Energy, 2011, 85, 1992-2002.	6.1	69
8	Modeling and analysis of current harmonic distortion from grid connected PV inverters under different operating conditions. Solar Energy, 2013, 94, 182-194.	6.1	68
9	Transient DC Bias Elimination of Dual-Active-Bridge DC-DC Converter With Improved Triple-Phase-Shift Control. IEEE Transactions on Industrial Electronics, 2020, 67, 8587-8598.	7.9	67
10	A Comparative Study on Photovoltaic MPPT Algorithms Under EN50530 Dynamic Test Procedure. IEEE Transactions on Power Electronics, 2021, 36, 4153-4168.	7.9	67
11	MPPT Perturbation Optimization of Photovoltaic Power Systems Based on Solar Irradiance Data Classification. IEEE Transactions on Sustainable Energy, 2019, 10, 514-521.	8.8	59
12	DC-link voltage control strategy for reducing capacitance and total harmonic distortion in single-phase grid-connected photovoltaic inverters. IET Power Electronics, 2015, 8, 1386-1393.	2.1	46
13	Designing Localized MPPT for PV Systems Using Fuzzy-Weighted Extreme Learning Machine. Energies, 2018, 11, 2615.	3.1	42
14	Closed-Form Solution of Time-Varying Model and Its Applications for Output Current Harmonics in Two-Stage PV Inverter. IEEE Transactions on Sustainable Energy, 2015, 6, 142-150.	8.8	37
15	Power ramp-rates of utility-scale PV systems under passing clouds: Module-level emulation with cloud shadow modeling. Applied Energy, 2020, 268, 114980.	10.1	33
16	Air quality forecasting with hybrid LSTM and extended stationary wavelet transform. Building and Environment, 2022, 213, 108822.	6.9	33
17	A novel global maximum power point tracking algorithm for photovoltaic system with variable perturbation frequency and zero oscillation. Solar Energy, 2019, 181, 345-356.	6.1	31
18	Forecasting based power ramp-rate control for PV systems without energy storage. , 2017, . .		27

#	ARTICLE	IF	CITATIONS
19	Sensor network based PV power nowcasting with spatio-temporal preselection for grid-friendly control. Applied Energy, 2019, 255, 113760.	10.1	26
20	Deep Learning Enhanced Solar Energy Forecasting with AI-Driven IoT. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	23
21	Photovoltaic Modified \hat{I}^2 -Parameter-based MPPT Method with Fast Tracking. Journal of Power Electronics, 2016, 16, 9-17.	1.5	22
22	Design of a novel MPPT algorithm based on the two stage searching method for PV systems under partial shading. , 2017, , .		19
23	Perturbation optimization of maximum power point tracking of photovoltaic power systems based on practical solar irradiance data. , 2015, , .		18
24	Self-Tuning MPPT Scheme Based on Reinforcement Learning and Beta Parameter in Photovoltaic Power Systems. IEEE Transactions on Power Electronics, 2021, 36, 13826-13838.	7.9	17
25	Power ramp-rate control based on power forecasting for PV grid-tied systems with minimum energy storage. , 2017, , .		16
26	Coordinated Frequency Regulation Using Solar Forecasting Based Virtual Inertia Control for Islanded Microgrids. IEEE Transactions on Sustainable Energy, 2021, 12, 2393-2403.	8.8	13
27	Analysis of a battery-integrated boost converter for module-based series connected photovoltaic system. , 2010, , .		12
28	Cloud motion tracking system using low-cost sky imager for PV power ramp-rate control. , 2018, , .		10
29	Cloud Motion Forecasting and Cloud Base Height Estimation Using Two Low-Cost Sky Cameras. , 2018, , .		9
30	Design and Simulation of Peer-to-Peer Energy Trading Framework with Dynamic Electricity Price. , 2019, , .		9
31	Reference-Voltage-Line-Aided Power Incremental Algorithm for Photovoltaic GMPPT and Partial Shading Detection. IEEE Transactions on Sustainable Energy, 2022, 13, 1756-1770.	8.8	9
32	Towards the applicability of solar nowcasting: A practice on predictive PV power ramp-rate control. Renewable Energy, 2022, 195, 147-166.	8.9	9
33	Harmonic Distortion Caused by Single-Phase Grid-Connected PV Inverter. , 0, , .		7
34	Forecasting Based Virtual Inertia Control of PV Systems for Islanded Micro-Grid. , 2019, , .		6
35	A Novel Power Incremental GMPPT Method based on Modified Voltage Lines for Photovoltaic System. , 2018, , .		5
36	Exploring the effectiveness of student-generated video tutorials in electronic lab-based teaching. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
37	Potential Benefits for Residential Building with Photovoltaic Battery System Participation in Peer-to-Peer Energy Trading. <i>Energies</i> , 2022, 15, 3913.	3.1	4
38	Hierarchical coordinated control for DC microgrid with crowbar and load shedding control. , 2017, , .		3
39	A study on the harmonic issues at CSIRO Microgrid. , 2011, , .		2
40	Control approach to achieve burst mode operation with DC-link voltage protection in single-phase two-stage PV inverters. , 2014, , .		1
41	Interleaved Flyback Micro-inverter with Primary Side Current Control for PV Application. , 2014, , .		0
42	Modeling and Evaluation of Real-Time Energy Management Systems for Microgrids. , 2019, , .		0
43	A Low-cost and Stand-alone Ground Based Sensing Station for Efficient Solar Forecasting in PV Power Systems. , 2021, , .		0