

Amr S Zalhaf

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

391
citations

758635

12
h-index

794141

19
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25
all docs

25
docs citations

25
times ranked

71
citing authors

#	ARTICLE	IF	CITATIONS
1	A suitability mapping for the PV solar farms in Egypt based on GIS-AHP to optimize multi-criteria feasibility. Ain Shams Engineering Journal, 2022, 13, 101618.	3.5	66
2	Modeling and protection of photovoltaic systems during lightning strikes: A review. Renewable Energy, 2022, 184, 134-148.	4.3	30
3	Accurate modeling of photovoltaic systems for studying the transient effects of lightning strikes. Energy Reports, 2022, 8, 429-438.	2.5	7
4	Analysis of lightning transient performance of 132 kV transmission line connected to Miramar wind farm: A case study. Energy Reports, 2022, 8, 257-265.	2.5	10
5	Feasibility analysis of neutral grounding by small reactor of HVDC converter transformer. Energy Reports, 2022, 8, 392-399.	2.5	4
6	Numerical and Experimental Analysis of the Transient Behavior of Wind Turbines When Two Blades are Simultaneously Struck by Lightning. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	30
7	An efficient algorithm for atomic decomposition of power quality disturbance signals using convolutional neural network. Electric Power Systems Research, 2022, 206, 107790.	2.1	27
8	A High-Resolution Wind Farms Suitability Mapping Using GIS and Fuzzy AHP Approach: A National-Level Case Study in Sudan. Sustainability, 2022, 14, 358.	1.6	27
9	Evaluation of the Transient Overvoltages of HVDC Transmission Lines Caused by Lightning Strikes. Energies, 2022, 15, 1452.	1.6	16
10	Efficient Hardware-in-the-Loop and Digital Control Techniques for Power Electronics Teaching. Sustainability, 2022, 14, 3504.	1.6	6
11	Impedance characteristics investigation and oscillation stability analysis for two-stage PV inverter under weak grid condition. Electric Power Systems Research, 2022, 209, 108053.	2.1	22
12	An optimal network constraint-based joint expansion planning model for modern distribution networks with multi-types intermittent RERs. Renewable Energy, 2022, 194, 137-151.	4.3	37
13	Intelligent home energy management using Internet of Things platform based on NILM technique. Sustainable Energy, Grids and Networks, 2022, 31, 100785.	2.3	26
14	Evaluation of lightning overvoltage at neutral point of HVDC converter transformer based on EMTP. Energy Reports, 2022, 8, 274-283.	2.5	4
15	Consensus enhanced droop control strategy for islanding mode multi converter system. Energy Reports, 2022, 8, 301-309.	2.5	5
16	Analysis of fault current and overvoltage at the neutral point of ± 800 kV High-Voltage DC converter transformer. Energy Reports, 2022, 8, 292-300.	2.5	3
17	A review of voltage sag control measures and equipment in power systems. Energy Reports, 2022, 8, 207-216.	2.5	20
18	Joint expansion planning of distribution network with uncertainty of demand load and renewable energy. Energy Reports, 2022, 8, 310-319.	2.5	17

#	ARTICLE	IF	CITATIONS
19	A Convolutional Attention Mechanism-based Capsule Network scheme for Gearbox fault diagnosis using Two directions signals and Noise Environment. , 2021, , .		2
20	Assessment of wind turbine transient overvoltages when struck by lightning: experimental and analytical study. IET Renewable Power Generation, 2019, 13, 1360-1368.	1.7	18
21	An Experimental Study of Lightning Overvoltages on a Small-scale Wind Turbine Model. Energy Procedia, 2019, 156, 442-446.	1.8	2
22	An Active Common-Mode Voltage Canceler for PWM Converters in Wind-Turbine Doubly-Fed Induction Generators. Energies, 2019, 12, 691.	1.6	7
23	A Simplified Model of Wind Turbine for Lightning Transient Analysis as Influenced by Structure of Grounding System. , 2018, , .		3
24	Computation of transient induced voltages along a wind turbine struck by lightning. , 2017, , .		2
25	IMPACT OF LARGE PENETRATION OF WIND ENERGY ON THE PERFORMANCE OF ELECTRIC POWER SYSTEMS. Journal of Engineering Research, 2015, 1, 212-222.	0.1	0