Amr S Zalhaf

List of Publications by Year
in descending order

25	391	759055 12	794469 19
papers	citations	h-index	g-index

25	25	25	71
all docs	docs citations	times ranked	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	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
3	Modeling and protection of photovoltaic systems during lightning strikes: A review. Renewable Energy, 2022, 184, 134-148.	4.3	30
4	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
5	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
6	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
7	Intelligent home energy management using Internet of Things platform based on NILM technique. Sustainable Energy, Grids and Networks, 2022, 31, 100785.	2.3	26
8	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
9	A review of voltage sag control measures and equipment in power systems. Energy Reports, 2022, 8, 207-216.	2.5	20
10	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
11	Joint expansion planning of distribution network with uncertainty of demand load and renewable energy. Energy Reports, 2022, 8, 310-319.	2.5	17
12	Evaluation of the Transient Overvoltages of HVDC Transmission Lines Caused by Lightning Strikes. Energies, 2022, 15, 1452.	1.6	16
13	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
14	An Active Common-Mode Voltage Canceler for PWM Converters in Wind-Turbine Doubly-Fed Induction Generators. Energies, 2019, 12, 691.	1.6	7
15	Accurate modeling of photovoltaic systems for studying the transient effects of lightning strikes. Energy Reports, 2022, 8, 429-438.	2.5	7
16	Efficient Hardware-in-the-Loop and Digital Control Techniques for Power Electronics Teaching. Sustainability, 2022, 14, 3504.	1.6	6
17	Consensus enhanced droop control strategy for islanding mode multi converter system. Energy Reports, 2022, 8, 301-309.	2.5	5
18	Feasibility analysis of neutral grounding by small reactor of HVDC converter transformer. Energy Reports, 2022, 8, 392-399.	2.5	4

#	Article	IF	Citations
19	Evaluation of lightning overvoltage at neutral point of HVDC converter transformer based on EMTP. Energy Reports, 2022, 8, 274-283.	2.5	4
20	A Simplified Model of Wind Turbine for Lightning Transient Analysis as Influenced by Structure of Grounding System. , 2018, , .		3
21	Analysis of fault current and overvoltage at the neutral point of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e279" altimg="si36.svg"><mml:mo>Â±</mml:mo></mml:math>800ÂkV High-Voltage DC converter transformer. Energy Reports, 2022, 8, 292-300.	2.5	3
22	Computation of transient induced voltages along a wind turbine struck by lightning. , 2017, , .		2
23	An Experimental Study of Lightning Overvoltages on a Small-scale Wind Turbine Model. Energy Procedia, 2019, 156, 442-446.	1.8	2
24	A Convolutional Attention Mechanism-based Capsule Network scheme for Gearbox fault diagnosis using Two directions signals and Noise Environment. , 2021, , .		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