

Nader A Samaan

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

976
citations

1307594

7
h-index

1281871

11
g-index

43
all docs

43
docs citations

43
times ranked

931
citing authors

#	ARTICLE	IF	CITATIONS
1	Capacity Value of Wind Power. IEEE Transactions on Power Systems, 2011, 26, 564-572.	6.5	292
2	Short circuit current contribution for different wind turbine generator types. , 2010, , .		81
3	Centralized and decentralized control for demand response. , 2011, , .		72
4	Adequacy assessment of power system generation using a modified simple genetic algorithm. IEEE Transactions on Power Systems, 2002, 17, 974-981.	6.5	59
5	Survey of tools for risk assessment of cascading outages. , 2011, , .		59
6	Exact Optimal Power Dispatch in Unbalanced Distribution Systems With High PV Penetration. IEEE Transactions on Power Systems, 2019, 34, 718-728.	6.5	55
7	Different Factors Affecting Short Circuit Behavior of a Wind Power Plant. IEEE Transactions on Industry Applications, 2013, 49, 284-292.	4.9	43
8	Optimal control of distributed energy resources using model predictive control. , 2012, , .		39
9	A Hierarchical VLSM-Based Demand Response Strategy for Coordinative Voltage Control Between Transmission and Distribution Systems. IEEE Transactions on Smart Grid, 2019, 10, 4838-4847.	9.0	35
10	Modeling of wind power plants for short circuit analysis in the transmission network. , 2008, , .		32
11	Modeling of large wind farm systems for dynamic and harmonics analysis. , 2008, , .		24
12	Coordinative real-time sub-transmission voltage control for reactive power regulation between transmission and distribution systems. IET Generation, Transmission and Distribution, 2019, 13, 2006-2014.	2.5	21
13	Capacity value of solar power. , 2012, , .		18
14	Prediction of regulation reserve requirements in california ISO balancing authority area based on BAAL. , 2013, , .		16
15	Control strategies for distributed energy resources to maximize the use of wind power in rural microgrids. , 2011, , .		12
16	Integration of uncertainty information into power system operations. , 2011, , .		11
17	Model reduction, validation, and calibration of wind power plants for dynamic studies. , 2011, , .		11
18	Improved DC power flow method based on empirical knowledge of the system. , 2010, , .		9

#	ARTICLE	IF	CITATIONS
19	A comparison of forecast error generators for modeling wind and load uncertainty. , 2013, , .		9
20	Modeling and Impact of Hyperloop Technology on the Electricity Grid. IEEE Transactions on Power Systems, 2021, 36, 3938-3947.	6.5	9
21	Transmission-distribution long-term volt-var planning considering reactive power support capability of distributed PV. International Journal of Electrical Power and Energy Systems, 2022, 138, 107955.	5.5	8
22	Uncertainty reduction in power generation forecast using coupled wavelet-ARIMA. , 2014, , .		5
23	A study of the impact of peak demand on increasing vulnerability of cascading failures to extreme contingency events. , 2017, , .		5
24	Reliability Assessment of Composite Power Systems Using Genetic Algorithms. Studies in Computational Intelligence, 2007, , 237-286.	0.9	4
25	Automated Tool to Create Chronological AC Power Flow Cases for Large Interconnected Systems. IEEE Open Access Journal of Power and Energy, 2021, 8, 166-174.	3.4	4
26	Networked HIL Simulation System for Modeling Large-scale Power Systems. , 2021, , .		3
27	Improving performance of power systems with large-scale variable generation additions. , 2012, , .		2
28	Standardized Software for Wind Load Forecast Error Analyses and Predictions Based on Wavelet-ARIMA Models – Applications at Multiple Geographically Distributed Wind Farms. , 2013, , .		2
29	Three-stage production cost modeling approach for evaluating the benefits of intra-hour scheduling between balancing authorities. , 2015, , .		2
30	Novel Data-Driven Distributed Learning Framework for Solving AC Power Flow for Large Interconnected Systems. IEEE Open Access Journal of Power and Energy, 2021, 8, 281-292.	3.4	2
31	Assessment of critical events corridors through multivariate cascading outages analysis. , 2011, , .		1
32	Planning for variable generation integration through balancing authorities consolidation. , 2012, , .		1
33	Stochastic correlation analysis to rank the impact of intermittent wind generation on unreliability margins of power systems. , 2018, , .		1
34	A methodology to analyze the impact of 30-minute wind scheduling on load-following requirements. , 2014, , .		0
35	Evaluation of production cost savings from consolidation of balancing authorities in the U.S. western interconnection under High wind and solar penetration. , 2014, , .		0
36	Optimal Power System Black start using Inverter-Based Generation. , 2021, , .		0