Panida Jirutitijaroen

List of Publications by Year
in descending order

46 papers	1,748 citations	361045 20 h-index	610482 24 g-index
47 all docs	47 docs citations	47 times ranked	1734 citing authors

#	ARTICLE	IF	CITATIONS
1	A Distributionally Robust Optimization Model for Unit Commitment Considering Uncertain Wind Power Generation. IEEE Transactions on Power Systems, 2017, 32, 39-49.	4.6	272
2	Hourly solar irradiance time series forecasting using cloud cover index. Solar Energy, 2012, 86, 3531-3543.	2.9	193
3	Latin Hypercube Sampling Techniques for Power Systems Reliability Analysis With Renewable Energy Sources. IEEE Transactions on Power Systems, 2011, 26, 2066-2073.	4.6	158
4	Solar irradiance forecasting using spatial-temporal covariance structures and time-forward kriging. Renewable Energy, 2013, 60, 235-245.	4.3	126
5	Optimal Operation Strategy of Energy Storage System for Grid-Connected Wind Power Plants. IEEE Transactions on Sustainable Energy, 2014, 5, 190-199.	5.9	113
6	Comparison of Simulation Methods for Power System Reliability Indexes and Their Distributions. IEEE Transactions on Power Systems, 2008, 23, 486-493.	4.6	86
7	Reliability Constrained Multi-Area Adequacy Planning Using Stochastic Programming With Sample-Average Approximations. IEEE Transactions on Power Systems, 2008, 23, 504-513.	4.6	86
8	Solar irradiance forecasting using spatio-temporal empirical kriging and vector autoregressive models with parameter shrinkage. Solar Energy, 2014, 103, 550-562.	2.9	72
9	The effect of transformer maintenance parameters on reliability and cost: a probabilistic model. Electric Power Systems Research, 2004, 72, 213-224.	2.1	63
10	Composite Reliability Evaluation Using Monte Carlo Simulation and Least Squares Support Vector Classifier. IEEE Transactions on Power Systems, 2011, 26, 2483-2490.	4.6	58
11	Accelerated State Evaluation and Latin Hypercube Sequential Sampling for Composite System Reliability Assessment. IEEE Transactions on Power Systems, 2014, 29, 1692-1700.	4.6	54
12	Evaluation of transposition and decomposition models for converting global solar irradiance from tilted surface to horizontal in tropical regions. Solar Energy, 2013, 97, 369-387.	2.9	43
13	A Stochastic Optimization Formulation of Unit Commitment With Reliability Constraints. IEEE Transactions on Smart Grid, 2013, 4, 2200-2208.	6.2	43
14	The Estimation of Clear Sky Global Horizontal Irradiance at the Equator. Energy Procedia, 2012, 25, 141-148.	1.8	37
15	Short-term load forecasting using time series analysis: A case study for Singapore. , 2010, , .		34
16	New State Diagrams for Probabilistic Maintenance Models. IEEE Transactions on Power Systems, 2011, 26, 2207-2213.	4.6	34
17	Adaptive Maintenance Policies for Aging Devices Using a Markov Decision Process. IEEE Transactions on Power Systems, 2013, 28, 3194-3203.	4.6	29
18	Dynamic State Estimation Under Communication Failure Using Kriging Based Bus Load Forecasting. IEEE Transactions on Power Systems, 2015, 30, 2831-2840.	4.6	29

#	Article	IF	Citations
19	Two‑stage adjustable robust optimisation for unit commitment under uncertainty. IET Generation, Transmission and Distribution, 2014, 8, 573-582.	1.4	24
20	Impacts of reactive power injections on thermal performances of PV inverters. , 2013, , .		22
21	Spatial Load Forecasting With Communication Failure Using Time-Forward Kriging. IEEE Transactions on Power Systems, 2014, 29, 2875-2882.	4.6	21
22	Estimation and Applications of Clear Sky Global Horizontal Irradiance at the Equator. Journal of Solar Energy Engineering, Transactions of the ASME, 2014, 136, .	1.1	20
23	Application of Probabilistic Maintenance Models for Selecting Optimal Inspection Rates Considering Reliability and Cost Tradeoff. IEEE Transactions on Power Delivery, 2014, 29, 178-186.	2.9	19
24	An adjustable robust optimization approach for unit commitment under outage contingencies. , 2012, , .		17
25	Stochastic unit commitment using multi-cut decomposition algorithm with partial aggregation. , 2011, , .		14
26	Block Matching Algorithms: Their Applications and Limitations in Solar Irradiance Forecasting. Energy Procedia, 2013, 33, 335-342.	1.8	13
27	A realistic maintenance model based on a new state diagram. , 2010, , .		11
28	A simulation model of cyber threats for energy metering devices in a secondary distribution network. , 2010, , .		11
29	Optimal sizing of energy storage system for wind power plants. , 2012, , .		7
30	Techniques for improving precision and construction efficiency of a pattern classifier in composite system reliability assessment. Electric Power Systems Research, 2012, 88, 33-41.	2.1	6
31	A Markov model for a wind energy conversion system with condition monitoring. , 2009, , .		4
32	A probabilistic unit commitment problem with photovoltaic generation system. , 2009, , .		4
33	Comparative study of system-wide reliability-constrained generation expansion problem. , 2008, , .		3
34	An optimization model for risk management in natural gas supply and energy portfolio of a generation company. , 2009, , .		3
35	Smart asset management of aging devices in energy systems: A case study of transformers. , 2011, , .		3
36	A linear decision rule approach for robust unit commitment considering wind power generation. , 2014, , .		3

#	Article	IF	Citations
37	Power System Reliability Considerations in Energy Planning. Energy Systems, 2012, , 505-522.	0.5	3
38	Optimizing natural gas supply and energy portfolios of a generation company. , 2010, , .		2
39	Convergence acceleration techniques for the stochastic unit commitment problem. , 2010, , .		2
40	Impacts of communication failure on power system operations. , 2013, , .		2
41	Reliability evaluation of composite power systems using sequential simulation with Latin Hypercube Sampling. , 2014, , .		2
42	Power system maintenance planning using value function approximation. , 2014, , .		1
43	Composite system reliability analysis using an accelerated state evaluation considering bus load correlation. , 2014, , .		1
44	Non-sequential simulation methods for reliability analysis of power systems with photovoltaic generation. , 2010, , .		0
45	A multi-agent framework for voltage regulation control in distribution systems. , 2013, , .		0
46	Topology error processing based on forecast measurement errors. , 2014, , .		0