Maria Vrakopoulou

List of Publications by Year
in descending order

34	848	1040056 9	1281871 11
papers	citations	h-index	g-index

34	34	34	736
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessment of the Capacity Credit of Renewables and Storage in Multi-Area Power Systems. IEEE Transactions on Power Systems, 2021, 36, 2334-2344.	6.5	14
2	A Linear AC Power Flow Model for Unbalanced Multi-Phase Distribution Networks Based on Current Injection Equations. IEEE Transactions on Power Systems, 2021, 36, 3806-3809.	6.5	10
3	Chance-constrained optimal capacity design for a renewable-only islanded microgrid. Electric Power Systems Research, 2020, 189, 106564.	3.6	13
4	Incorporating new power system security paradigms into low-carbon electricity markets. Electricity Journal, 2020, 33, 106837.	2.5	9
5	Optimal Capacity Design and Operation of Energy Hub Systems. Proceedings of the IEEE, 2020, 108, 1475-1495.	21.3	43
6	Capacity Credit Evaluation Framework of Wind, Solar and Pumped Hydro Storage Considering Generation Adequacy and Flexibility. , 2019, , .		1
7	Chance Constrained Reserve Scheduling Using Uncertain Controllable Loads Part I: Formulation and Scenario-Based Analysis. IEEE Transactions on Smart Grid, 2019, 10, 1608-1617.	9.0	71
8	Chance Constrained Reserve Scheduling Using Uncertain Controllable Loads Part II: Analytical Reformulation. IEEE Transactions on Smart Grid, 2019, 10, 1618-1625.	9.0	31
9	Optimal policy-based control of generation and HVDC lines in power systems under uncertainty. , 2017, , .		6
10	Optimal control policies for reserve deployment with probabilistic performance guarantees. , 2017, , .		0
11	An AC-QP optimal power flow algorithm considering wind forecast uncertainty. , 2016, , .		5
12	Incorporating storage as a flexible transmission asset in power system operation procedure. , 2016, , .		7
13	Cyber-Attacks in the Automatic Generation Control. Power Systems, 2015, , 303-328.	0.5	22
14	Risk-based optimal power flow with probabilistic guarantees. International Journal of Electrical Power and Energy Systems, 2015, 72, 66-74.	5.5	24
15	Stochastic security constrained unit commitment and non-spinning reserve allocation with performance guarantees. International Journal of Electrical Power and Energy Systems, 2015, 72, 109-115.	5.5	20
16	Risk-constrained optimal power flow with probabilistic guarantees. , 2014, , .		15
17	On geographical allocation of primary frequency control reserves in large interconnected power systems. , 2014, , .		4
18	Probabilistic security constrained optimal power flow for a mixed HVAC and HVDC grid with stochastic infeed. , 2014, , .		21

#	Article	IF	Citations
19	Spinning and non-spinning reserve allocation for stochastic security constrained unit Commitment. , 2014, , .		6
20	Market clearing framework for an integrated market for manually activated control reserves and redispatch in Switzerland. , 2014, , .		1
21	Stochastic Optimal Power Flow with Uncertain Reserves from Demand Response. , 2014, , .		42
22	A Probabilistic Framework for Reserve Scheduling and ${m N}-1$ Security Assessment of Systems With High Wind Power Penetration. IEEE Transactions on Power Systems, 2013, 28, 3885-3896.	6.5	186
23	Probabilistic security-constrained optimal power flow including the controllability of HVDC lines. , 2013, , .		12
24	Probabilistic Guarantees for the N-1 Security of Systems with Wind Power Generation. , 2013, , 59-73.		54
25	A unified analysis of security-constrained OPF formulations considering uncertainty, risk, and controllability in single and multi-area systems. , 2013, , .		13
26	Probabilistic security-constrained AC optimal power flow. , 2013, , .		55
27	Probabilistic N−1 security assessment incorporating dynamic line ratings. , 2013, , .		17
28	Reserve requirements in AC power systems with uncertain generation. , 2013, , .		12
29	Closure of “a unified analysis of security-constrained OPF formulations considering uncertainty, risk, and controllability in single and multi-area systems”. , 2013, , .		13
30	Stochastic unit commitment and reserve scheduling: A tractable formulation with probabilistic certificates. , 2013, , .		14
31	Cyber-security of SCADA systems. , 2012, , .		10
32	A probabilistic framework for security constrained reserve scheduling of networks with wind power generation. , 2012, , .		27
33	A robust policy for Automatic Generation Control cyber attack in two area power network. , 2010, , .		39
34	Mitigation of cascading failures by real-time controlled islanding and graceful load shedding. , 2010, , .		31