

# Abbas Rabiee

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67  
papers

2,131  
citations

27  
h-index

45  
g-index

69  
ext. papers

2,582  
ext. citations

5.1  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
67	Location-based uncertainty management of off-shore wind farms: A multiple radius robust decision making. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 136, 107667	5.1	1
66	Stochastic optimal transmission Switching: A novel approach to enhance power grid security margins through vulnerability mitigation under renewables uncertainties. <i>Applied Energy</i> , <b>2022</b> , 305, 117851	10.7	2
65	A Joint Risk and Security Constrained Control Framework for Real-Time Energy Scheduling of Islanded Microgrids. <i>IEEE Transactions on Smart Grid</i> , <b>2022</b> , 1-1	10.7	1
64	Green hydrogen: A new flexibility source for security constrained scheduling of power systems with renewable energies. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 19270-19284	6.7	14
63	Risk-Averse Scheduling of Combined Heat and Power-Based Microgrids in Presence of Uncertain Distributed Energy Resources. <i>Sustainability</i> , <b>2021</b> , 13, 7119	3.6	4
62	A Stochastic Voltage Stability Constrained EMS for Isolated Microgrids in the Presence of PEVs Using a Coordinated UC-OPF Framework. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 4046-4055	8.9	8
61	Technical barriers for harnessing the green hydrogen: A power system perspective. <i>Renewable Energy</i> , <b>2021</b> , 163, 1580-1587	8.1	16
60	Gas Network's Impact on Power System Voltage Security. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	2
59	Optimal flexibility coordination for energy procurement in distribution networks. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 1191-1203	2.9	2
58	Enhanced Transmission and Distribution Network Coordination to Host More Electric Vehicles and PV. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	4
57	Risk averse energy management strategy in the presence of distributed energy resources considering distribution network reconfiguration: an information gap decision theory approach. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 305-312	2.9	16
56	Vulnerability Assessment in Power Systems: A Review and Representing Novel Perspectives <b>2020</b> ,		1
55	Distribution Feeder Reconfiguration Considering Price-Based Demand Response Program <b>2020</b> , 95-117		0
54	MPC and robustness optimisation-based EMS for microgrids with high penetration of intermittent renewable energy. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 5239-5248	2.5	2
53	Indoor distribution transformers oil temperature prediction using new electro-thermal resistance model and normal cyclic overloading strategy: an experimental case study. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 5792-5803	2.5	5
52	Voltage Security Constrained Stochastic Programming Model for Day-Ahead BESS Schedule in Co-Optimization of T&D Systems. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 391-404	8.2	18
51	A Two-Stage Mathematical Programming Approach for the Solution of Combined Heat and Power Economic Dispatch. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 2873-2881	4.3	15

50	Optimal Non-Convex Combined Heat and Power Economic Dispatch via Improved Artificial Bee Colony Algorithm. <i>Processes</i> , <b>2020</b> , 8, 1036	2.9	5
49	Risk-averse energy management system for isolated microgrids considering generation and demand uncertainties based on information gap decision theory. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 940-951	2.9	18
48	Energy management in distribution systems, considering the impact of reconfiguration, RESs, ESSs and DR: A trade-off between cost and reliability. <i>Renewable Energy</i> , <b>2019</b> , 139, 346-358	8.1	27
47	Multi-objective stochastic model for joint optimal allocation of DG units and network reconfiguration from DG owner's and DisCo's perspectives. <i>Renewable Energy</i> , <b>2019</b> , 132, 471-485	8.1	46
46	A Novel Model for Thermal Behavior Prediction of Oil-Immersed Distribution Transformers With Consideration of Solar Radiation. <i>IEEE Transactions on Power Delivery</i> , <b>2019</b> , 34, 1634-1646	4.3	20
45	A scenario-based voltage stability constrained planning model for integration of large-scale wind farms. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2019</b> , 105, 564-580	5.1	8
44	Robust model for optimal allocation of renewable energy sources, energy storage systems and demand response in distribution systems via information gap decision theory. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 511-520	2.5	32
43	Optimal Cost of Voltage Security Control Using Voltage Dependent Load Models in Presence of Demand Response. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 2383-2395	10.7	17
42	A Joint Energy Storage Systems and Wind Farms Long-Term Planning Model Considering Voltage Stability <b>2018</b> , 337-363		3
41	Voltage stability constrained multi-objective optimisation model for long-term expansion planning of large-scale wind farms. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 548-555	2.5	14
40	Information gap decision theory to deal with long-term wind energy planning considering voltage stability. <i>Energy</i> , <b>2018</b> , 147, 451-463	7.9	23
39	Using wide-area signals to improve the inter-area mode damping performance of static VAR compensators <b>2018</b> ,		4
38	Optimal wind power generation investment, considering voltage stability of power systems. <i>Renewable Energy</i> , <b>2018</b> , 115, 308-325	8.1	24
37	Optimal Long-Term Distributed Generation Planning and Reconfiguration of Distribution Systems: An Accelerating Benders' Decomposition Approach. <i>Journal of Optimization Theory and Applications</i> , <b>2018</b> , 179, 283-310	1.6	3
36	Model predictive control scheme for coordinated voltage control of power systems at the presence of volatile wind power generation. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 1922-1928	2.5	8
35	Stochastic Real-Time Scheduling of Wind-Thermal Generation Units in an Electric Utility. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 1622-1631	4.3	23
34	Information gap decision theory approach to deal with wind power uncertainty in unit commitment. <i>Electric Power Systems Research</i> , <b>2017</b> , 145, 137-148	3.5	91
33	Multi-objective Optimal Reactive Power Dispatch Considering Uncertainties in the Wind Integrated Power Systems. <i>Power Systems</i> , <b>2017</b> , 475-513	0.4	4

32	Risk Averse Security Constrained Stochastic Congestion Management. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 301-334	0.3	1
31	Coordinated voltage control of wind-penetrated power systems via state feedback control. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2017</b> , 93, 384-394	5.1	11
30	Information gap decision theory for voltage stability constrained OPF considering the uncertainty of multiple wind farms. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 585-592	2.9	29
29	Optimal reactive power dispatch: a review, and a new stochastic voltage stability constrained multi-objective model at the presence of uncertain wind power generation. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 815-829	2.5	62
28	Distribution networks' energy losses versus hosting capacity of wind power in the presence of demand flexibility. <i>Renewable Energy</i> , <b>2017</b> , 102, 316-325	8.1	35
27	Fuzzy based damping controller for TCSC using local measurements to enhance transient stability of power systems. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2017</b> , 85, 12-21	5.1	29
26	Maximizing hosting capacity of renewable energy sources in distribution networks: A multi-objective and scenario-based approach. <i>Energy</i> , <b>2017</b> , 120, 417-430	7.9	49
25	Investigation of BESSs' benefits in transmission and distribution systems operations using integrated power grid co-optimization <b>2017</b> ,		1
24	Voltage stability constrained multi-objective optimal reactive power dispatch under load and wind power uncertainties: A stochastic approach. <i>Renewable Energy</i> , <b>2016</b> , 85, 598-609	8.1	130
23	A two-point estimate method for uncertainty modeling in multi-objective optimal reactive power dispatch problem. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 75, 194-204	5.1	59
22	Risk-Averse Preventive Voltage Control of AC/DC Power Systems Including Wind Power Generation. <i>IEEE Transactions on Sustainable Energy</i> , <b>2015</b> , 6, 1494-1505	8.2	27
21	Information Gap Decision Theory Based OPF With HVDC Connected Wind Farms. <i>IEEE Transactions on Power Systems</i> , <b>2015</b> , 30, 3396-3406	7	82
20	Corrective Voltage Control Scheme Considering Demand Response and Stochastic Wind Power. <i>IEEE Transactions on Power Systems</i> , <b>2014</b> , 29, 2965-2973	7	114
19	Fast Dynamic Economic Power Dispatch Problems Solution Via Optimality Condition Decomposition. <i>IEEE Transactions on Power Systems</i> , <b>2014</b> , 29, 982-983	7	45
18	Energy Hub Management with Intermittent Wind Power. <i>Green Energy and Technology</i> , <b>2014</b> , 413-438	0.6	31
17	Stochastic Multiperiod OPF Model of Power Systems With HVDC-Connected Intermittent Wind Power Generation. <i>IEEE Transactions on Power Delivery</i> , <b>2014</b> , 29, 336-344	4.3	54
16	Optimal multi-area generation schedule considering renewable resources mix: a real-time approach. <i>IET Generation, Transmission and Distribution</i> , <b>2013</b> , 7, 1011-1026	2.5	37
15	Stochastic techno-economic operation of power systems in the presence of distributed energy resources. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 45, 477-488	5.1	44

14	Voltage security constrained multi-period optimal reactive power flow using benders and optimality condition decompositions. <i>IEEE Transactions on Power Systems</i> , <b>2013</b> , 28, 696-708	7	64
13	Combined heat and power economic dispatch problem solution using particle swarm optimization with time varying acceleration coefficients. <i>Electric Power Systems Research</i> , <b>2013</b> , 95, 9-18	3.5	233
12	Nonconvex Dynamic Economic Power Dispatch Problems Solution Using Hybrid Immune-Genetic Algorithm. <i>IEEE Systems Journal</i> , <b>2013</b> , 7, 777-785	4.3	63
11	Time-varying acceleration coefficients IPSO for solving dynamic economic dispatch with non-smooth cost function. <i>Energy Conversion and Management</i> , <b>2012</b> , 56, 175-183	10.6	69
10	Optimal reactive power dispatch for improving voltage stability margin using a local voltage stability index. <i>Energy Conversion and Management</i> , <b>2012</b> , 59, 66-73	10.6	41
9	Discussion of A Hybrid Interior Point Assisted Differential Evolution Algorithm for Economic Dispatch□ <i>IEEE Transactions on Power Systems</i> , <b>2012</b> , 27, 1142-1143	7	
8	Iteration PSO with time varying acceleration coefficients for solving non-convex economic dispatch problems. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2012</b> , 42, 508-516	5.1	106
7	Discussion of Hybrid Differential Evolution With Biogeography-Based Optimization for Solution of Economic Load Dispatch□ <i>IEEE Transactions on Power Systems</i> , <b>2012</b> , 27, 574-574	7	2
6	Imperialist competitive algorithm for solving non-convex dynamic economic power dispatch. <i>Energy</i> , <b>2012</b> , 44, 228-240	7.9	95
5	Continuous quick group search optimizer for solving non-convex economic dispatch problems. <i>Electric Power Systems Research</i> , <b>2012</b> , 93, 93-105	3.5	110
4	Comprehensive control framework for ensuring loading margin of power systems considering demand-side participation. <i>IET Generation, Transmission and Distribution</i> , <b>2012</b> , 6, 1189-1201	2.5	16
3	Influence of model simplifications and parameters on dynamic performance of grid connected fixed speed wind turbines <b>2010</b> ,		2
2	Optimal reactive power dispatch using the concept of dynamic VAR source value <b>2009</b> ,		3
1	MVAR Management Using Generator Participation Factors for Improving Voltage Stability Margin. <i>Journal of Applied Sciences</i> , <b>2009</b> , 9, 2123-2129	0.3	2