Abbas Rabiee

List of Publications by Citations

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	Combined heat and power economic dispatch problem solution using particle swarm optimization with time varying acceleration coefficients. *Electric Power Systems Research*, **2013**, 95, 9-18	3.5	233
66	Voltage stability constrained multi-objective optimal reactive power dispatch under load and wind power uncertainties: A stochastic approach. *Renewable Energy*, **2016**, 85, 598-609	8.1	130
65	Corrective Voltage Control Scheme Considering Demand Response and Stochastic Wind Power. *IEEE Transactions on Power Systems*, **2014**, 29, 2965-2973	7	114
64	Continuous quick group search optimizer for solving non-convex economic dispatch problems. *Electric Power Systems Research*, **2012**, 93, 93-105	3.5	110
63	Iteration PSO with time varying acceleration coefficients for solving non-convex economic dispatch problems. *International Journal of Electrical Power and Energy Systems*, **2012**, 42, 508-516	5.1	106
62	Imperialist competitive algorithm for solving non-convex dynamic economic power dispatch. *Energy* , **2012**, 44, 228-240	7.9	95
61	Information gap decision theory approach to deal with wind power uncertainty in unit commitment. *Electric Power Systems Research*, **2017**, 145, 137-148	3.5	91
60	Information Gap Decision Theory Based OPF With HVDC Connected Wind Farms. *IEEE Transactions on Power Systems*, **2015**, 30, 3396-3406	7	82
59	Time-varying acceleration coefficients IPSO for solving dynamic economic dispatch with non-smooth cost function. *Energy Conversion and Management*, **2012**, 56, 175-183	10.6	69
58	Voltage security constrained multi-period optimal reactive power flow using benders and optimality condition decompositions. *IEEE Transactions on Power Systems*, **2013**, 28, 696-708	7	64
57	Nonconvex Dynamic Economic Power Dispatch Problems Solution Using Hybrid Immune-Genetic Algorithm. *IEEE Systems Journal*, **2013**, 7, 777-785	4.3	63
56	Optimal reactive power dispatch: a review, and a new stochastic voltage stability constrained multi-objective model at the presence of uncertain wind power generation. *IET Generation, Transmission and Distribution*, **2017**, 11, 815-829	2.5	62
55	A two-point estimate method for uncertainty modeling in multi-objective optimal reactive power dispatch problem. *International Journal of Electrical Power and Energy Systems*, **2016**, 75, 194-204	5.1	59
54	Stochastic Multiperiod OPF Model of Power Systems With HVDC-Connected Intermittent Wind Power Generation. *IEEE Transactions on Power Delivery*, **2014**, 29, 336-344	4.3	54
53	Maximizing hosting capacity of renewable energy sources in distribution networks: A multi-objective and scenario-based approach. *Energy*, **2017**, 120, 417-430	7.9	49
52	Multi-objective stochastic model for joint optimal allocation of DG units and network reconfiguration from DG owners' and DisCos' perspectives. *Renewable Energy*, **2019**, 132, 471-485	8.1	46
51	Fast Dynamic Economic Power Dispatch Problems Solution Via Optimality Condition Decomposition. *IEEE Transactions on Power Systems*, **2014**, 29, 982-983	7	45

50	Stochastic techno-economic operation of power systems in the presence of distributed energy resources. *International Journal of Electrical Power and Energy Systems*, **2013**, 45, 477-488	5.1	44
49	Optimal reactive power dispatch for improving voltage stability margin using a local voltage stability index. *Energy Conversion and Management*, **2012**, 59, 66-73	10.6	41
48	Optimal multi-area generation schedule considering renewable resources mix: a real-time approach. *IET Generation, Transmission and Distribution*, **2013**, 7, 1011-1026	2.5	37
47	Distribution networks' energy losses versus hosting capacity of wind power in the presence of demand flexibility. *Renewable Energy*, **2017**, 102, 316-325	8.1	35
46	Robust model for optimal allocation of renewable energy sources, energy storage systems and demand response in distribution systems via information gap decision theory. *IET Generation, Transmission and Distribution*, **2019**, 13, 511-520	2.5	32
45	Energy Hub Management with Intermittent Wind Power. *Green Energy and Technology*, **2014**, 413-438	0.6	31
44	Information gap decision theory for voltage stability constrained OPF considering the uncertainty of multiple wind farms. *IET Renewable Power Generation*, **2017**, 11, 585-592	2.9	29
43	Fuzzy based damping controller for TCSC using local measurements to enhance transient stability of power systems. *International Journal of Electrical Power and Energy Systems*, **2017**, 85, 12-21	5.1	29
42	Energy management in distribution systems, considering the impact of reconfiguration, RESs, ESSs and DR: A trade-off between cost and reliability. *Renewable Energy*, **2019**, 139, 346-358	8.1	27
41	Risk-Averse Preventive Voltage Control of AC/DC Power Systems Including Wind Power Generation. *IEEE Transactions on Sustainable Energy*, **2015**, 6, 1494-1505	8.2	27
40	Optimal wind power generation investment, considering voltage stability of power systems. *Renewable Energy*, **2018**, 115, 308-325	8.1	24
39	Stochastic Real-Time Scheduling of Wind-Thermal Generation Units in an Electric Utility. *IEEE Systems Journal*, **2017**, 11, 1622-1631	4.3	23
38	Information gap decision theory to deal with long-term wind energy planning considering voltage stability. *Energy*, **2018**, 147, 451-463	7.9	23
37	A Novel Model for Thermal Behavior Prediction of Oil-Immersed Distribution Transformers With Consideration of Solar Radiation. *IEEE Transactions on Power Delivery*, **2019**, 34, 1634-1646	4.3	20
36	Risk-averse energy management system for isolated microgrids considering generation and demand uncertainties based on information gap decision theory. *IET Renewable Power Generation*, **2019**, 13, 940-951	2.9	18
35	Voltage Security Constrained Stochastic Programming Model for Day-Ahead BESS Schedule in Co-Optimization of T&D Systems. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 391-404	8.2	18
34	Optimal Cost of Voltage Security Control Using Voltage Dependent Load Models in Presence of Demand Response. *IEEE Transactions on Smart Grid*, **2019**, 10, 2383-2395	10.7	17
33	Risk averse energy management strategy in the presence of distributed energy resources considering distribution network reconfiguration: an information gap decision theory approach. *IET Renewable Power Generation*, **2020**, 14, 305-312	2.9	16

32	Comprehensive control framework for ensuring loading margin of power systems considering demand-side participation. *IET Generation, Transmission and Distribution*, **2012**, 6, 1189-1201	2.5	16
31	Technical barriers for harnessing the green hydrogen: A power system perspective. *Renewable Energy*, **2021**, 163, 1580-1587	8.1	16
30	A Two-Stage Mathematical Programming Approach for the Solution of Combined Heat and Power Economic Dispatch. *IEEE Systems Journal*, **2020**, 14, 2873-2881	4.3	15
29	Voltage stability constrained multi-objective optimisation model for long-term expansion planning of large-scale wind farms. *IET Generation, Transmission and Distribution*, **2018**, 12, 548-555	2.5	14
28	Green hydrogen: A new flexibility source for security constrained scheduling of power systems with renewable energies. *International Journal of Hydrogen Energy*, **2021**, 46, 19270-19284	6.7	14
27	Coordinated voltage control of wind-penetrated power systems via state feedback control. *International Journal of Electrical Power and Energy Systems*, **2017**, 93, 384-394	5.1	11
26	A scenario-based voltage stability constrained planning model for integration of large-scale wind farms. *International Journal of Electrical Power and Energy Systems*, **2019**, 105, 564-580	5.1	8
25	A Stochastic Voltage Stability Constrained EMS for Isolated Microgrids in the Presence of PEVs Using a Coordinated UC-OPF Framework. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 4046-4055	8.9	8
24	Model predictive control scheme for coordinated voltage control of power systems at the presence of volatile wind power generation. *IET Generation, Transmission and Distribution*, **2018**, 12, 1922-1928	2.5	8
23	Indoor distribution transformers oil temperature prediction using new electro-thermal resistance model and normal cyclic overloading strategy: an experimental case study. *IET Generation, Transmission and Distribution*, **2020**, 14, 5792-5803	2.5	5
22	Optimal Non-Convex Combined Heat and Power Economic Dispatch via Improved Artificial Bee Colony Algorithm. *Processes*, **2020**, 8, 1036	2.9	5
21	Multi-objective Optimal Reactive Power Dispatch Considering Uncertainties in the Wind Integrated Power Systems. *Power Systems*, **2017**, 475-513	0.4	4
20	Using wide-area signals to improve the inter-area mode damping performance of static VAR compensators **2018**,		4
19	Risk-Averse Scheduling of Combined Heat and Power-Based Microgrids in Presence of Uncertain Distributed Energy Resources. *Sustainability*, **2021**, 13, 7119	3.6	4
18	Enhanced Transmission and Distribution Network Coordination to Host More Electric Vehicles and PV. *IEEE Systems Journal*, **2021**, 1-12	4.3	4
17	A Joint Energy Storage Systems and Wind Farms Long-Term Planning Model Considering Voltage Stability **2018**, 337-363		3
16	Optimal Long-Term Distributed Generation Planning and Reconfiguration of Distribution Systems: An Accelerating Benders Decomposition Approach. *Journal of Optimization Theory and Applications*, **2018**, 179, 283-310	1.6	3
15	Optimal reactive power dispatch using the concept of dynamic VAR source value **2009**,		3

List of Publications

14	Discussion of Hybrid Differential Evolution With Biogeography-Based Optimization for Solution of Economic Load Dispatch *IEEE Transactions on Power Systems*, **2012**, 27, 574-574	7	2
13	Influence of model simplifications and parameters on dynamic performance of grid connected fixed speed wind turbines **2010**,		2
12	MVAR Management Using Generator Participation Factors for Improving Voltage Stability Margin. *Journal of Applied Sciences*, **2009**, 9, 2123-2129	0.3	2
11	MPC and robustness optimisation-based EMS for microgrids with high penetration of intermittent renewable energy. *IET Generation, Transmission and Distribution*, **2020**, 14, 5239-5248	2.5	2
10	Gas Network's Impact on Power System Voltage Security. *IEEE Transactions on Power Systems*, **2021** , 1-1	7	2
9	Optimal flexibility coordination for energy procurement in distribution networks. *IET Renewable Power Generation*, **2021**, 15, 1191-1203	2.9	2
8	Stochastic optimal transmission Switching: A novel approach to enhance power grid security margins through vulnerability mitigation under renewables uncertainties. *Applied Energy*, **2022**, 305, 117851	10.7	2
7	Risk Averse Security Constrained Stochastic Congestion Management. *Power Electronics and Power Systems*, **2017**, 301-334	0.3	1
6	Investigation of BESSs' benefits in transmission and distribution systems operations using integrated power grid co-optimization **2017**,		1
5	Vulnerability Assessment in Power Systems: A Review and Representing Novel Perspectives **2020**,		1
4	Location-based uncertainty management of off-shore wind farms: A multiple radius robust decision making. *International Journal of Electrical Power and Energy Systems*, **2022**, 136, 107667	5.1	1
3	A Joint Risk and Security Constrained Control Framework for Real-Time Energy Scheduling of Islanded Microgrids. *IEEE Transactions on Smart Grid*, **2022**, 1-1	10.7	1
2	Distribution Feeder Reconfiguration Considering Price-Based Demand Response Program **2020**, 95-117		0
1	Discussion of A Hybrid Interior Point Assisted Differential Evolution Algorithm for Economic Dispatch *IEEE Transactions on Power Systems*, **2012**, 27, 1142-1143	7	