Amin Khodabakhshian

List of Publications by Year
in descending order

52 papers	2,375 citations	218381 26 h-index	214527 47 g-index
52 all docs	52 docs citations	52 times ranked	2229 citing authors

#	Article	IF	Citations
1	Power system observability enhancement for parallel restoration of subsystems considering renewable energy resources. International Transactions on Electrical Energy Systems, 2020, 30, e12303.	1.2	3
2	Approach for prediction of cold loads considering electric vehicles during power system restoration. IET Generation, Transmission and Distribution, 2020, 14, 5249-5260.	1.4	3
3	Optimal Multi-objective Placement of Wind Turbines Considering Voltage Stability, Total Loss and Cost Using Fuzzy Adaptive Modified Particle Swarm Optimization Algorithm. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 343-359.	1.5	5
4	Stochastic parking energy pricing strategies to promote competition arena in an intelligent parking. Energy, 2019, 188, 116084.	4.5	4
5	A comprehensive stochastic energy management system of micro-CHP units, renewable energy sources and storage systems in microgrids considering demand response programs. Renewable and Sustainable Energy Reviews, 2019, 108, 355-368.	8.2	90
6	Decision–making method for critical load restoration by using MGs. IET Generation, Transmission and Distribution, 2019, 13, 4630-4641.	1.4	14
7	New multi–stage restoration method for distribution networks with DGs. IET Generation, Transmission and Distribution, 2019, 13, 55-63.	1.4	12
8	A new stratified random sample customer selection for load research study in distribution networks. International Journal of Electrical Power and Energy Systems, 2018, 97, 363-371.	3.3	5
9	A new coordinated design of sectionalizing scheme and load restoration process considering reliability of transmission system. International Journal of Electrical Power and Energy Systems, 2018, 102, 23-37.	3.3	8
10	A New Pseudo Load Profile Determination Approach in Low Voltage Distribution Networks. IEEE Transactions on Power Systems, 2018, 33, 463-472.	4.6	39
11	A new optimal contingency-based design for placement of gas turbines to enhance black-start capability. International Transactions on Electrical Energy Systems, 2018, 28, e2622.	1.2	4
12	New adaptive and centralised under–voltage load shedding to prevent short–term voltage instability. IET Generation, Transmission and Distribution, 2018, 12, 2530-2538.	1.4	17
13	A new intelligent wide area controlled islanding detection method in interconnected power systems. International Transactions on Electrical Energy Systems, 2017, 27, e2329.	1.2	5
14	Optimal stochastic coordinated scheduling of proton exchange membrane fuel cell-combined heat and power, wind and photovoltaic units in micro grids considering hydrogen storage. Applied Energy, 2017, 202, 308-322.	5.1	68
15	Optimal stochastic scheduling of CHP-PEMFC, WT, PV units and hydrogen storage in reconfigurable micro grids considering reliability enhancement. Energy Conversion and Management, 2017, 150, 725-741.	4.4	84
16	A new undervoltage load shedding method to reduce active power curtailment. International Transactions on Electrical Energy Systems, 2017, 27, e2291.	1.2	9
17	Frequency controller design for islanded microgrid by multi-objective LMI based approach. , 2017, , .		3
18	Optimal design of convertible static compensator supplementary damping controller to avoid wide area uncontrolled islanding. IET Generation, Transmission and Distribution, 2016, 10, 2336-2350.	1.4	6

#	Article	IF	Citations
19	A new coordinated design of UPFC controller and PSS for improvment of power system stability using CPCE algorithm. , 2016, , .		1
20	A comprehensive review of the voltage stability indices. Renewable and Sustainable Energy Reviews, 2016, 63, 1-12.	8.2	179
21	A New Load-shedding Approach for Microgrids in the Presence of Wind Turbines. Electric Power Components and Systems, 2016, 44, 726-736.	1.0	5
22	Optimal coordinated design of UPFC and PSS for improving power system performance by using multi-objective water cycle algorithm. International Journal of Electrical Power and Energy Systems, 2016, 83, 124-133.	3.3	42
23	Simultaneous placement and sizing of DGs and shunt capacitors in distribution systems by using IMDE algorithm. International Journal of Electrical Power and Energy Systems, 2016, 82, 599-607.	3.3	143
24	Optimal coordinated scheduling of combined heat and power fuel cell, wind, and photovoltaic units in micro grids considering uncertainties. Energy, 2016, 117, 176-189.	4.5	69
25	Coordinated generation and transmission expansion planning in deregulated electricity market considering wind farms. Renewable Energy, 2016, 85, 620-630.	4.3	83
26	A New Optimal Under-frequency Load-shedding Method Using Hybrid Culture–Particle Swarm Optimization–Co-evolutionary Algorithm and Artificial Neural Networks. Electric Power Components and Systems, 2015, 43, 69-82.	1.0	14
27	New intelligent controlled islanding scheme in large interconnected power systems. IET Generation, Transmission and Distribution, 2015, 9, 2686-2696.	1.4	33
28	Joint operation of wind farm, photovoltaic, pump-storage and energy storage devices in energy and reserve markets. International Journal of Electrical Power and Energy Systems, 2015, 64, 275-284.	3.3	101
29	Market based transmission expansion and reactive power planning with consideration of wind and load uncertainties. Renewable and Sustainable Energy Reviews, 2014, 29, 1-10.	8.2	64
30	Simultaneous Optimal Design of Measurement and Communication Infrastructures in Hierarchical Structured WAMS. IEEE Transactions on Smart Grid, 2014, 5, 312-319.	6.2	88
31	Joint operation of wind farms and pump-storage units in the electricity markets: Modeling, simulation and evaluation. Simulation Modelling Practice and Theory, 2013, 37, 56-69.	2.2	28
32	Comprehensive review of generation and transmission expansion planning. IET Generation, Transmission and Distribution, 2013, 7, 955-964.	1.4	230
33	A new method for simultaneous optimal placement of PMUs and PDCs for maximizing data transmission reliability along with providing the power system observability. Electric Power Systems Research, 2013, 100, 43-54.	2.1	74
34	Reliability constrained generation expansion planning with consideration of wind farms uncertainties in deregulated electricity market. Energy Conversion and Management, 2013, 76, 517-526.	4.4	75
35	AC constrained hydro-thermal generation scheduling problem: Application of Benders decomposition method improved by BFPSO. International Journal of Electrical Power and Energy Systems, 2013, 49, 199-212.	3.3	17
36	Robust control design for multi-functional DVR implementation in distribution systems using quantitative feedback theory. Electric Power Systems Research, 2013, 97, 116-125.	2.1	20

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37	State-of-the-art of transmission expansion planning: Comprehensive review. Renewable and Sustainable Energy Reviews, 2013, 23, 312-319.	8.2	159
38	Multi-band power system stabilizer design by using CPCE algorithm for multi-machine power system. Electric Power Systems Research, 2013, 101, 36-48.	2.1	46
39	Coordinated design of STATCOM and excitation system controllers for multi-machine power systems using zero dynamics method. International Journal of Electrical Power and Energy Systems, 2013, 49, 269-279.	3.3	38
40	Multi-machine power system stabilizer design by using cultural algorithms. International Journal of Electrical Power and Energy Systems, 2013, 44, 571-580.	3.3	77
41	A new optimization approach for multi-machine power system stabilizer design using a smart bacteria foraging algorithm. Simulation, 2013, 89, 1041-1055.	1.1	3
42	Modeling and optimization of an adaptive dynamic load shedding using the ANFIS-PSO algorithm. Simulation, 2012, 88, 181-196.	1.1	13
43	A robust PI based LFC design using BF-NM algorithm. , 2012, , .		3
44	Design of a robust load frequency control using sequential quadratic programming technique. International Journal of Electrical Power and Energy Systems, 2012, 40, 1-8.	3.3	43
45	Robust decentralized multi-machine power system stabilizer design using quantitative feedback theory. International Journal of Electrical Power and Energy Systems, 2012, 41, 112-119.	3.3	53
46	A new coordinately design of STATCOM and power system stabilizer using hybrid BF-NM algorithm. , 2011, , .		3
47	A new fuzzy optimal reconfiguration of distribution systems for loss reduction and load balancing using ant colony search-based algorithm. Applied Soft Computing Journal, 2011, 11, 4021-4028.	4.1	83
48	Fuzzy optimal placement of capacitors in the presence of nonlinear loads in unbalanced distribution networks using BF-PSO algorithm. Applied Soft Computing Journal, 2011, 11, 3634-3642.	4.1	45
49	A new PID controller design for automatic generation control of hydro power systems. International Journal of Electrical Power and Energy Systems, 2010, 32, 375-382.	3.3	151
50	Construction of Lyapunov function based on solving Linear Matrix Inequality and its application to assess the transient stability of a multi-machine power system in the presence of SVC. , 2010, , .		1
51	Enhancement of power system performance by LFC analysis of hydro power plants using QFT. European Transactions on Electrical Power, 2009, 19, 323-338.	1.0	6
52	Pole-zero assignment adaptive stabiliser. Electric Power Systems Research, 2005, 73, 77-86.	2.1	6