Ali Asghar Ghadimi

List of Publications by Year
in descending order

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42 papers	597 citations	759055 12 h-index	677027 22 g-index
43 all docs	43 docs citations	43 times ranked	589 citing authors

#	Article	IF	Citations
1	Stochastic transmission expansion planning in the presence of wind farms considering reliability and N-1 contingency using grey wolf optimization technique. Electrical Engineering, 2022, 104, 727-740.	1.2	11
2	A sensor-less control and optimal energy management algorithm for a stand-alone photovoltaic system considering partial shading condition. ISA Transactions, 2022, 128, 606-623.	3.1	3
3	Multi-energy microgrid optimal operation with integrated power to gas technology considering uncertainties. Journal of Cleaner Production, 2022, 333, 130174.	4.6	30
4	A novel intervalâ€based formulation for optimal scheduling of microgrids with pumpedâ€hydro and battery energy storage under uncertainty. International Journal of Energy Research, 2022, 46, 12854-12870.	2.2	5
5	Uncertainty-aware energy management strategies for PV-assisted refuelling stations with onsite hydrogen generation. Journal of Cleaner Production, 2022, 365, 132869.	4.6	8
6	Simultaneous voltage unbalance compensation and neutralâ€toâ€ground voltage minimization for an islanded miniâ€grid using model predictive control. Energy Science and Engineering, 2022, 10, 3301-3316.	1.9	2
7	Multiobjective reactive power planning considering the uncertainties of wind farms and loads using Information Gap Decision Theory. Renewable Energy, 2021, 163, 1427-1443.	4.3	20
8	A Model Predictive Control for a Four-Leg Inverter in a Stand-Alone Microgrid under Unbalanced Condition. , 2021, , .		2
9	Low Voltage Ride Through Controller for a Multi-Machine Power System Using a Unified Interphase Power Controller. Electronics (Switzerland), 2021, 10, 585.	1.8	2
10	Microgrid smallâ€signal stability analysis considering dynamic load model. IET Renewable Power Generation, 2021, 15, 2799-2813.	1.7	8
11	Distributed multi-agent transmission system restoration using dynamic programming in an uncertain environment. Electric Power Systems Research, 2021, 196, 107270.	2.1	4
12	Home energy management in off-grid dwellings: Exploiting flexibility of thermostatically controlled appliances. Journal of Cleaner Production, 2021, 310, 127507.	4.6	31
13	Optimal mixed control of Axial Flux Permanent Magnet Synchronous generator wind turbines with modular stator structure. ISA Transactions, 2021, 115, 153-162.	3.1	8
14	An efficient iterative approach for power flow solution of droop-controlled islanded AC microgrids through conventional methods. International Journal of Electrical Power and Energy Systems, 2021, 130, 106962.	3.3	8
15	An improved TPM-based distribution network state estimation considering loads/DERs correlations. Electrical Engineering, 2021, 103, 1541-1553.	1.2	5
16	Enhanced Control Scheme for a Three-Phase Grid-Connected PV Inverter under Unbalanced Fault Conditions. Electronics (Switzerland), 2020, 9, 1247.	1.8	12
17	An analytical, numerical and experimental study on performance characteristics in a novel Vernier permanent magnet machine. Electrical Engineering, 2020, 102, 2369-2379.	1.2	2
18	Optimal Power Flow Incorporating FACTS Devices and Stochastic Wind Power Generation Using Krill Herd Algorithm. Electronics (Switzerland), 2020, 9, 1043.	1.8	32

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19	Multi-Objective Optimal Reactive Power Planning under Load Demand and Wind Power Generation Uncertainties Using Îµ-Constraint Method. Applied Sciences (Switzerland), 2020, 10, 2859.	1.3	23
20	Dynamic robust generationâ€“transmission expansion planning in the presence of wind farms under longâ€•and shortâ€•term uncertainties. IET Generation, Transmission and Distribution, 2020, 14, 5418-5427.	1.4	8
21	Improved Voltage Unbalance and Harmonics Compensation Control Strategy for an Isolated Microgrid. Energies, 2018, 11, 2688.	1.6	16
22	Design and construction of a charge controller for stand-alone PV/battery hybrid system by using a new control strategy and power management. Solar Energy, 2017, 149, 132-144.	2.9	45
23	A novel hybrid approach using sms and ROCOF for islanding detection of inverter-based DGs. , 2017, , .		14
24	Stator voltage fault detection and optimal rotor current limiting in doubly fed induction generators. International Transactions on Electrical Energy Systems, 2017, 27, e2292.	1.2	3
25	An Improved Control Strategy for a Four-Leg Grid-Forming Power Converter under Unbalanced Load Conditions. Advances in Power Electronics, 2016, 2016, 1-14.	0.8	19
26	Performance analysis of the Slip mode frequency shift islanding detection method under different inverter interface control strategies. , 2016, , .		29
27	Arc furnace power quality compensation using SVC: A case study in IRAN. , 2016, , .		0
28	Control techniques for three-phase four-leg voltage source inverters in autonomous microgrids: A review. Renewable and Sustainable Energy Reviews, 2016, 54, 1592-1610.	8.2	112
29	Designing an Optimal Fuzzy Controller for a Fuel Cell Vehicle Considering Driving Patterns. Scientia Iranica, 2016, 23, 218-227.	0.3	12
30	Active vibration control of circular plates coupled with piezoelectric layers excited by plane sound wave. Applied Mathematical Modelling, 2015, 39, 1217-1228.	2.2	26
31	Power Quality Improvement in Autonomous Microgrids Using Multi-functional Voltage Source Inverters: A Comprehensive Review. Journal of Power Electronics, 2015, 15, 1054-1065.	0.9	33
32	Employing Multi-Phase DG Sources as Active Power Filters, Using Fuzzy Logic Controller. Journal of Power Electronics, 2015, 15, 1329-1337.	0.9	1
33	A novel hybrid islanding detection method combination of SMS and Q-f for islanding detection of inverter- based DG. , 2014, , .		28
34	Determining optimum capacitor in relation to load curve in harmonic systems. International Transactions on Electrical Energy Systems, 2013, 23, 1221-1232.	1.2	0
35	Load Sharing Control of Fuel Cell Based Generation Units in Stand-Alone Distribution Networks. Australian Journal of Electrical and Electronics Engineering, 2011, 8, 39-53.	0.7	0
36	Determining optimum location and capacity for micro hydropower plants in Lorestan province in Iran. Renewable and Sustainable Energy Reviews, 2011, 15, 4125-4131.	8.2	21

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37	Control of islanded industrial networks with fuel cell based distributed generation units and ultra-capacitor storage device. European Transactions on Electrical Power, 2011, 21, 801-823.	1.0	6
38	The impact of the grounding system on the lightning performance of transmission lines: A sensitivity analysis. , 2010, , .		0
39	Indexes for Determine the Number and Location of Area Operation Centers (AOC) in Power Network: Second Level of Dispatching System. , 2010, , .		0
40	Evaluation of IRAN Dispatching Status for Next 10 Years with Neural Network. , 2010, , .		0
41	Determining the Optimal Capacity and Place of DGs in Distribution Systems. Applied Mechanics and Materials, 0, 110-116, 5195-5199.	0.2	1
42	Optimal sizing and siting distributed generation resources using a multi objective algorithm. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , .	0.9	6