Ali Asghar Ghadimi

List of Publications by Year
in descending order

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42 papers	597 citations	759233 12 h-index	677142 22 g-index
43 all docs	43 docs citations	43 times ranked	589 citing authors

#	Article	IF	Citations
1	Control techniques for three-phase four-leg voltage source inverters in autonomous microgrids: A review. Renewable and Sustainable Energy Reviews, 2016, 54, 1592-1610.	16.4	112
2	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.	6.1	45
3	Power Quality Improvement in Autonomous Microgrids Using Multi-functional Voltage Source Inverters: A Comprehensive Review. Journal of Power Electronics, 2015, 15, 1054-1065.	1.5	33
4	Optimal Power Flow Incorporating FACTS Devices and Stochastic Wind Power Generation Using Krill Herd Algorithm. Electronics (Switzerland), 2020, 9, 1043.	3.1	32
5	Home energy management in off-grid dwellings: Exploiting flexibility of thermostatically controlled appliances. Journal of Cleaner Production, 2021, 310, 127507.	9.3	31
6	Multi-energy microgrid optimal operation with integrated power to gas technology considering uncertainties. Journal of Cleaner Production, 2022, 333, 130174.	9.3	30
7	Performance analysis of the Slip mode frequency shift islanding detection method under different inverter interface control strategies. , 2016, , .		29
8	A novel hybrid islanding detection method combination of SMS and Q-f for islanding detection of inverter- based DG. , 2014, , .		28
9	Active vibration control of circular plates coupled with piezoelectric layers excited by plane sound wave. Applied Mathematical Modelling, 2015, 39, 1217-1228.	4.2	26
10	Multi-Objective Optimal Reactive Power Planning under Load Demand and Wind Power Generation Uncertainties Using Îµ-Constraint Method. Applied Sciences (Switzerland), 2020, 10, 2859.	2.5	23
11	Determining optimum location and capacity for micro hydropower plants in Lorestan province in Iran. Renewable and Sustainable Energy Reviews, 2011, 15, 4125-4131.	16.4	21
12	Multiobjective reactive power planning considering the uncertainties of wind farms and loads using Information Gap Decision Theory. Renewable Energy, 2021, 163, 1427-1443.	8.9	20
13	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
14	Improved Voltage Unbalance and Harmonics Compensation Control Strategy for an Isolated Microgrid. Energies, 2018, 11, 2688.	3.1	16
15	A novel hybrid approach using sms and ROCOF for islanding detection of inverter-based DGs. , 2017, , .		14
16	Enhanced Control Scheme for a Three-Phase Grid-Connected PV Inverter under Unbalanced Fault Conditions. Electronics (Switzerland), 2020, 9, 1247.	3.1	12
17	Designing an Optimal Fuzzy Controller for a Fuel Cell Vehicle Considering Driving Patterns. Scientia Iranica, 2016, 23, 218-227.	0.4	12
18	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.	2.0	11

#	Article	IF	Citations
19	Microgrid smallâ€signal stability analysis considering dynamic load model. IET Renewable Power Generation, 2021, 15, 2799-2813.	3.1	8
20	Optimal mixed control of Axial Flux Permanent Magnet Synchronous generator wind turbines with modular stator structure. ISA Transactions, 2021, 115, 153-162.	5.7	8
21	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.	5.5	8
22	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.	2.5	8
23	Uncertainty-aware energy management strategies for PV-assisted refuelling stations with onsite hydrogen generation. Journal of Cleaner Production, 2022, 365, 132869.	9.3	8
24	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
25	Optimal sizing and siting distributed generation resources using a multi objective algorithm. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , .	1.4	6
26	An improved TPM-based distribution network state estimation considering loads/DERs correlations. Electrical Engineering, 2021, 103, 1541-1553.	2.0	5
27	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.	4.5	5
28	Distributed multi-agent transmission system restoration using dynamic programming in an uncertain environment. Electric Power Systems Research, 2021, 196, 107270.	3.6	4
29	Stator voltage fault detection and optimal rotor current limiting in doubly fed induction generators. International Transactions on Electrical Energy Systems, 2017, 27, e2292.	1.9	3
30	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.	5.7	3
31	An analytical, numerical and experimental study on performance characteristics in a novel Vernier permanent magnet machine. Electrical Engineering, 2020, 102, 2369-2379.	2.0	2
32	A Model Predictive Control for a Four-Leg Inverter in a Stand-Alone Microgrid under Unbalanced Condition. , 2021, , .		2
33	Low Voltage Ride Through Controller for a Multi-Machine Power System Using a Unified Interphase Power Controller. Electronics (Switzerland), 2021, 10, 585.	3.1	2
34	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.	4.0	2
35	Determining the Optimal Capacity and Place of DGs in Distribution Systems. Applied Mechanics and Materials, 0, 110-116, 5195-5199.	0.2	1
36	Employing Multi-Phase DG Sources as Active Power Filters, Using Fuzzy Logic Controller. Journal of Power Electronics, 2015, 15, 1329-1337.	1.5	1

#	Article	IF	Citations
37	The impact of the grounding system on the lightning performance of transmission lines: A sensitivity analysis. , 2010, , .		0
38	Indexes for Determine the Number and Location of Area Operation Centers (AOC) in Power Network: Second Level of Dispatching System. , 2010, , .		0
39	Evaluation of IRAN Dispatching Status for Next 10 Years with Neural Network. , 2010, , .		0
40	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.	1.2	0
41	Determining optimum capacitor in relation to load curve in harmonic systems. International Transactions on Electrical Energy Systems, 2013, 23, 1221-1232.	1.9	0
42	Arc furnace power quality compensation using SVC: A case study in IRAN. , 2016, , .		0