

Ali Asghar Ghadimi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1089381/publications.pdf>

Version: 2024-02-01

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	Control techniques for three-phase four-leg voltage source inverters in autonomous microgrids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 1592-1610.	8.2	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. <i>Solar Energy</i> , 2017, 149, 132-144.	2.9	45
3	Power Quality Improvement in Autonomous Microgrids Using Multi-functional Voltage Source Inverters: A Comprehensive Review. <i>Journal of Power Electronics</i> , 2015, 15, 1054-1065.	0.9	33
4	Optimal Power Flow Incorporating FACTS Devices and Stochastic Wind Power Generation Using Krill Herd Algorithm. <i>Electronics (Switzerland)</i> , 2020, 9, 1043.	1.8	32
5	Home energy management in off-grid dwellings: Exploiting flexibility of thermostatically controlled appliances. <i>Journal of Cleaner Production</i> , 2021, 310, 127507.	4.6	31
6	Multi-energy microgrid optimal operation with integrated power to gas technology considering uncertainties. <i>Journal of Cleaner Production</i> , 2022, 333, 130174.	4.6	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. <i>Applied Mathematical Modelling</i> , 2015, 39, 1217-1228.	2.2	26
10	Multi-Objective Optimal Reactive Power Planning under Load Demand and Wind Power Generation Uncertainties Using μ -Constraint Method. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2859.	1.3	23
11	Determining optimum location and capacity for micro hydropower plants in Lorestan province in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 4125-4131.	8.2	21
12	Multiobjective reactive power planning considering the uncertainties of wind farms and loads using Information Gap Decision Theory. <i>Renewable Energy</i> , 2021, 163, 1427-1443.	4.3	20
13	An Improved Control Strategy for a Four-Leg Grid-Forming Power Converter under Unbalanced Load Conditions. <i>Advances in Power Electronics</i> , 2016, 2016, 1-14.	0.8	19
14	Improved Voltage Unbalance and Harmonics Compensation Control Strategy for an Isolated Microgrid. <i>Energies</i> , 2018, 11, 2688.	1.6	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. <i>Electronics (Switzerland)</i> , 2020, 9, 1247.	1.8	12
17	Designing an Optimal Fuzzy Controller for a Fuel Cell Vehicle Considering Driving Patterns. <i>Scientia Iranica</i> , 2016, 23, 218-227.	0.3	12
18	Stochastic transmission expansion planning in the presence of wind farms considering reliability and N-1 contingency using grey wolf optimization technique. <i>Electrical Engineering</i> , 2022, 104, 727-740.	1.2	11

#	ARTICLE	IF	CITATIONS
19	Microgrid small-signal stability analysis considering dynamic load model. IET Renewable Power Generation, 2021, 15, 2799-2813.	1.7	8
20	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
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.	3.3	8
22	Dynamic robust generation-transmission expansion planning in the presence of wind farms under long- and short-term uncertainties. IET Generation, Transmission and Distribution, 2020, 14, 5418-5427.	1.4	8
23	Uncertainty-aware energy management strategies for PV-assisted refuelling stations with onsite hydrogen generation. Journal of Cleaner Production, 2022, 365, 132869.	4.6	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, , .	0.9	6
26	An improved TPM-based distribution network state estimation considering loads/DERs correlations. Electrical Engineering, 2021, 103, 1541-1553.	1.2	5
27	A novel interval-based formulation for optimal scheduling of microgrids with pumped-hydro and battery energy storage under uncertainty. International Journal of Energy Research, 2022, 46, 12854-12870.	2.2	5
28	Distributed multi-agent transmission system restoration using dynamic programming in an uncertain environment. Electric Power Systems Research, 2021, 196, 107270.	2.1	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.	1.2	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.	3.1	3
31	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
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.	1.8	2
34	Simultaneous voltage unbalance compensation and neutral-to-ground voltage minimization for an islanded mini-grid using model predictive control. Energy Science and Engineering, 2022, 10, 3301-3316.	1.9	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.	0.9	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.	0.7	0
41	Determining optimum capacitor in relation to load curve in harmonic systems. International Transactions on Electrical Energy Systems, 2013, 23, 1221-1232.	1.2	0
42	Arc furnace power quality compensation using SVC: A case study in IRAN. , 2016, , .		0