

Vito Calderaro

List of Publications by Year in descending order

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45
papers

723
citations

1307594

7
h-index

1281871

11
g-index

45
all docs

45
docs citations

45
times ranked

740
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Decentralized Voltage Control for Distribution Systems With Inverter-Based Distributed Generators. IEEE Transactions on Power Systems, 2014, 29, 230-241.	6.5	208
2	A Smart Strategy for Voltage Control Ancillary Service in Distribution Networks. IEEE Transactions on Power Systems, 2015, 30, 494-502.	6.5	108
3	Maximizing DG penetration in distribution networks by means of GA based reconfiguration. , 2005, , .		40
4	Optimal Switch Placement by Alliance Algorithm for Improving Microgrids Reliability. IEEE Transactions on Industrial Informatics, 2012, 8, 925-934.	11.3	38
5	Techno-economic Sizing of Auxiliary-Battery-Based Substations in DC Railway Systems. IEEE Transactions on Transportation Electrification, 2018, 4, 616-625.	7.8	35
6	Two-stage stochastic sizing and packetized energy scheduling of BEV charging stations with quality of service constraints. Applied Energy, 2020, 260, 114262.	10.1	26
7	A new algorithm for steady state load-shedding strategy. , 2010, , .		23
8	Optimal siting and sizing of stationary supercapacitors in a metro network using PSO. , 2015, , .		21
9	Distributed Generation and local voltage regulation: An approach based on sensitivity analysis. , 2011, , .		20
10	Impact analysis of distributed PV and energy storage systems in unbalanced LV networks. , 2015, , .		17
11	Estimating the load response to voltage changes at UK primary substations. , 2013, , .		16
12	Generation Rescheduling and Load Shedding in Distribution Systems Under Imprecise Information. IEEE Systems Journal, 2018, 12, 383-391.	4.6	16
13	Sizing and energy management of on-board hybrid energy storage systems in urban rail transit. , 2016, , .		15
14	Optimal fuzzy controller for voltage control in distribution systems. , 2011, , .		12
15	Distributed generation management: An optimal sensitivity approach for decentralized power control. , 2012, , .		12
16	Impact assessment of energy storage and electric vehicles on smart grids. , 2014, , .		11
17	Battery Second-Life for Dedicated and Shared Energy Storage Systems Supporting EV Charging Stations. Electronics (Switzerland), 2020, 9, 939.	3.1	11
18	Identifying fault location in distribution systems with high Distributed Generation penetration. , 2009, , .		10

#	ARTICLE	IF	CITATIONS
19	Plug-in EV charging impact on grid based on vehicles usage data. , 2014, , .		8
20	Performance comparison between scheduling strategies for PEVs charging in smart grids. , 2015, , .		7
21	Two-Stage Optimization Method for Sizing Stack and Battery Modules of a Fuel Cell Vehicle Based on a Power Split Control. Electronics (Switzerland), 2022, 11, 361.	3.1	7
22	Voltage support control of unbalanced distribution systems by reactive power regulation. , 2014, , .		6
23	A method to size the stack and the battery of a fuel cell vehicle reducing the fuel consumption. , 2017, , .		6
24	Improving reliability system by optimal sectionaliser placement in smart distribution grid. , 2010, , .		5
25	Power flow problems with nested information: An approach based on fuzzy numbers and possibility theory. Electric Power Systems Research, 2018, 158, 275-283.	3.6	5
26	A Fuzzy Logic Controller to Increase Fault Ride-Through Capability of Variable Speed Wind Turbines. Applied Computational Intelligence and Soft Computing, 2012, 2012, 1-10.	2.3	4
27	Co-located storage systems with renewable energy sources for voltage support in distribution networks. , 2015, , .		4
28	Ancillary services provided by residential ESSs in LV networks: Assessing the opportunity costs. , 2017, , .		4
29	Optimal synthesis of a fuzzy controller with PSO for local reactive power support. , 2012, , .		3
30	Quantification of variable effects of demand response resources on power systems with integrated energy storage and renewable resources. , 2015, , .		3
31	Experimental validation of a steady-state metro network simulator for eco-drive operations. , 2016, , .		3
32	A sizing method for economic assessment of II-life batteries for power system applications. , 2017, , .		3
33	Wind farm power plant: Optimal capacitor placement for reactive power compensation. , 2013, , .		2
34	A comparison among reactive power compensation strategies in wind farm power plant. , 2013, , .		2
35	A DER based voltage control strategy for microgrids. , 2016, , .		2
36	Long-term performance in providing voltage support by PV and storage systems in distribution networks. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	Impact Assessment of Energy Storage Systems Supporting DC Railways on AC Power Grids. IEEE Access, 2022, 10, 10783-10798.	4.2	2
38	Fuzzy load-shedding strategy in distribution systems. , 2011, , .		1
39	A novel fuzzy system for wind turbines reactive power control. , 2011, , .		1
40	A fuzzy controller for improving Fault Ride-Through capability of wind turbines. , 2011, , .		1
41	A stochastic approach to size EV charging stations with support of second life battery storage systems. , 2017, , .		1
42	A fully decentralized load modulation approach to improve DSO flexibility in low voltage grids. , 2017, , .		1
43	A Flexible Prototype for Testing Advanced Energy Management Solutions in Full Electric Vehicles. , 2017, , .		1
44	Assessing the performances of residential ESSs control by means of a Monte Carlo analysis. , 2016, , .		0
45	Sizing of II-Life Batteries for Grid Support Applications and Economic Evaluations. , 2019, , .		0