

# 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	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
2	Impact Assessment of Energy Storage Systems Supporting DC Railways on AC Power Grids. IEEE Access, 2022, 10, 10783-10798.	4.2	2
3	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
4	Battery Second-Life for Dedicated and Shared Energy Storage Systems Supporting EV Charging Stations. Electronics (Switzerland), 2020, 9, 939.	3.1	11
5	Sizing of II-Life Batteries for Grid Support Applications and Economic Evaluations. , 2019, , .		0
6	Generation Rescheduling and Load Shedding in Distribution Systems Under Imprecise Information. IEEE Systems Journal, 2018, 12, 383-391.	4.6	16
7	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
8	Techno-economic Sizing of Auxiliary-Battery-Based Substations in DC Railway Systems. IEEE Transactions on Transportation Electrification, 2018, 4, 616-625.	7.8	35
9	A stochastic approach to size EV charging stations with support of second life battery storage systems. , 2017, , .		1
10	A fully decentralized load modulation approach to improve DSO flexibility in low voltage grids. , 2017, , .		1
11	A method to size the stack and the battery of a fuel cell vehicle reducing the fuel consumption. , 2017, , .		6
12	A Flexible Prototype for Testing Advanced Energy Management Solutions in Full Electric Vehicles. , 2017, , .		1
13	A sizing method for economic assessment of II-life batteries for power system applications. , 2017, , .		3
14	Ancillary services provided by residential ESSs in LV networks: Assessing the opportunity costs. , 2017, , .		4
15	Sizing and energy management of on-board hybrid energy storage systems in urban rail transit. , 2016, , .		15
16	Assessing the performances of residential ESSs control by means of a Monte Carlo analysis. , 2016, , .		0
17	A DER based voltage control strategy for microgrids. , 2016, , .		2
18	Long-term performance in providing voltage support by PV and storage systems in distribution networks. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Experimental validation of a steady-state metro network simulator for eco-drive operations. , 2016, , .		3
20	Performance comparison between scheduling strategies for PEVs charging in smart grids. , 2015, , .		7
21	Co-located storage systems with renewable energy sources for voltage support in distribution networks. , 2015, , .		4
22	Optimal siting and sizing of stationary supercapacitors in a metro network using PSO. , 2015, , .		21
23	Impact analysis of distributed PV and energy storage systems in unbalanced LV networks. , 2015, , .		17
24	Quantification of variable effects of demand response resources on power systems with integrated energy storage and renewable resources. , 2015, , .		3
25	A Smart Strategy for Voltage Control Ancillary Service in Distribution Networks. IEEE Transactions on Power Systems, 2015, 30, 494-502.	6.5	108
26	Voltage support control of unbalanced distribution systems by reactive power regulation. , 2014, , .		6
27	Plug-in EV charging impact on grid based on vehicles usage data. , 2014, , .		8
28	Optimal Decentralized Voltage Control for Distribution Systems With Inverter-Based Distributed Generators. IEEE Transactions on Power Systems, 2014, 29, 230-241.	6.5	208
29	Impact assessment of energy storage and electric vehicles on smart grids. , 2014, , .		11
30	Estimating the load response to voltage changes at UK primary substations. , 2013, , .		16
31	Wind farm power plant: Optimal capacitor placement for reactive power compensation. , 2013, , .		2
32	A comparison among reactive power compensation strategies in wind farm power plant. , 2013, , .		2
33	Optimal synthesis of a fuzzy controller with PSO for local reactive power support. , 2012, , .		3
34	Distributed generation management: An optimal sensitivity approach for decentralized power control. , 2012, , .		12
35	Optimal Switch Placement by Alliance Algorithm for Improving Microgrids Reliability. IEEE Transactions on Industrial Informatics, 2012, 8, 925-934.	11.3	38
36	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

#	ARTICLE	IF	CITATIONS
37	Fuzzy load-shedding strategy in distribution systems. , 2011, , .		1
38	Distributed Generation and local voltage regulation: An approach based on sensitivity analysis. , 2011, , .		20
39	A novel fuzzy system for wind turbines reactive power control. , 2011, , .		1
40	Optimal fuzzy controller for voltage control in distribution systems. , 2011, , .		12
41	A fuzzy controller for improving Fault Ride-Through capability of wind turbines. , 2011, , .		1
42	Improving reliability system by optimal sectionaliser placement in smart distribution grid. , 2010, , .		5
43	A new algorithm for steady state load-shedding strategy. , 2010, , .		23
44	Identifying fault location in distribution systems with high Distributed Generation penetration. , 2009, , .		10
45	Maximizing DG penetration in distribution networks by means of GA based reconfiguration. , 2005, , .		40