

Gaetano Zizzo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9294598/gaetano-zizzo-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

1,337
citations

16
h-index

35
g-index

100
ext. papers

1,770
ext. citations

4.3
avg, IF

4.95
L-index

#	Paper	IF	Citations
87	Comparative analysis of different supporting measures for the production of electrical energy by solar PV and Wind systems: Four representative European cases. <i>Solar Energy</i> , 2009 , 83, 287-297	6.8	147
86	An analysis of feed-in tariffs for solar PV in six representative countries of the European Union. <i>Solar Energy</i> , 2014 , 107, 530-542	6.8	138
85	A Technical Approach to the Energy Blockchain in Microgrids. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4792-4803	11.9	118
84	How Decarbonization, Digitalization and Decentralization are changing key power infrastructures. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 93, 483-498	16.2	106
83	Smart renewable generation for an islanded system. Technical and economic issues of future scenarios. <i>Energy</i> , 2012 , 39, 196-204	7.9	73
82	Blockchain for power systems: Current trends and future applications. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109585	16.2	68
81	Impact of building automation control systems and technical building management systems on the energy performance class of residential buildings: An Italian case study. <i>Energy and Buildings</i> , 2014 , 69, 33-40	7	65
80	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 2540-2550	8.9	54
79	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 7310-7319	4.3	39
78	Critical assessment of support for the evolution of photovoltaics and feed-in tariff(s) in Italy. <i>Sustainable Energy Technologies and Assessments</i> , 2015 , 9, 95-104	4.7	37
77	An optimization approach for efficient management of EV parking lots with batteries recharging facilities. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2013 , 4, 641-649	3.7	31
76	Overgrid: A Fully Distributed Demand Response Architecture Based on Overlay Networks. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017 , 14, 471-481	4.9	29
75	A Simplified Analytical Approach for Optimal Planning of Distributed Generation in Electrical Distribution Networks. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5446	2.6	24
74	Evaluation of the optimal renewable electricity mix for Lampedusa island: The adoption of a technical and economical methodology. <i>Journal of Cleaner Production</i> , 2020 , 263, 121404	10.3	22
73	A Self-Adapting Approach for Forecast-Less Scheduling of Electrical Energy Storage Systems in a Liberalized Energy Market. <i>Energies</i> , 2013 , 6, 5738-5759	3.1	21
72	Transition of a distribution system towards an active network. Part I: Preliminary design and scenario perspectives 2011 ,		18
71	A distributed minimum losses optimal power flow for islanded microgrids. <i>Electric Power Systems Research</i> , 2017 , 152, 271-283	3.5	16

70	Dynamics photovoltaic generators: Technical aspects and economical valuation 2010 ,		14
69	Transition of a distribution system towards an active network. Part II: Economical analysis of selected scenario 2011 ,		14
68	A Method to Evaluate Voltages to Earth During an Earth Fault in an HV Network in a System of Interconnected Earth Electrodes of MV/LV Substations. <i>IEEE Transactions on Power Delivery</i> , 2008 , 23, 1763-1772	4.3	14
67	Analysis of interconnected earthing systems of MV/LV substations in urban areas 2008 ,		14
66	Currents Distribution During a Fault in an MV Network: Methods and Measurements. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 4585-4593	4.3	13
65	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 1208-1213	4.3	13
64	. <i>IEEE Transactions on Industry Applications</i> , 2020 , 1-1	4.3	12
63	Driven Primary Regulation for Minimum Power Losses Operation in Islanded Microgrids. <i>Energies</i> , 2018 , 11, 2890	3.1	12
62	Smart city and public lighting 2015 ,		10
61	Building Automation and Control Systems and Electrical Distribution Grids: A Study on the Effects of Loads Control Logics on Power Losses and Peaks. <i>Energies</i> , 2018 , 11, 667	3.1	10
60	Considering safety issues in minimum losses reconfiguration for MV distribution networks. <i>European Transactions on Electrical Power</i> , 2009 , 19, 642-654		10
59	A new model for a safety analysis in a system of earthing systems interconnected through bare-buried conductors. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2009 , 28, 412-436	0.7	10
58	A Review of Health Assessment Techniques for Distribution Transformers in Smart Distribution Grids. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8115	2.6	10
57	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 4483-4489	4.3	9
56	New Energy Corridors in the Euro-Mediterranean Area: The Pivotal Role of Sicily. <i>Energies</i> , 2018 , 11, 1415	3.1	9
55	A Novel Operating Strategy for Customer-Side Energy Storages in Presence of Dynamic Electricity Prices. <i>Intelligent Industrial Systems</i> , 2015 , 1, 233-244		8
54	On the Distribution of Lightning Current among Interconnected Grounding Systems in Medium Voltage Grids. <i>Energies</i> , 2018 , 11, 771	3.1	8
53	Managing electrical energy storage systems and shiftable loads with an innovative approach in energy districts 2014 ,		7

52	A New Platform for Automatic Bottom-Up Electric Load Aggregation. <i>Energies</i> , 2017 , 10, 1682	3.1	7
51	A mathematical approach for studying interconnected earthing systems inside MV networks. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2007 , 26, 1364-1391	0.7	7
50	Analysis and Simulations of the Primary Frequency Control during a System Split in Continental Europe Power System. <i>Energies</i> , 2021 , 14, 1456	3.1	7
49	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 1126-1134	4.3	7
48	Solar-assisted heat pumps systems for domestic hot water production in small energy communities. <i>Solar Energy</i> , 2021 , 217, 113-133	6.8	7
47	Influence of LV Neutral Grounding on Global Earthing Systems. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 22-31	4.3	6
46	Green Data Centres integration in smart grids: New frontiers for ancillary service provision. <i>Electric Power Systems Research</i> , 2017 , 148, 59-73	3.5	5
45	On multi-objective optimal reconfiguration of MV networks in presence of different grounding. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2016 , 7, 97-105	3.7	5
44	Methodologies for the Exploitation of Existing Energy Corridors. GIS Analysis and DTR Applications. <i>Energies</i> , 2018 , 11, 979	3.1	5
43	Frequency stability in microgrid: control strategies and analysis of BESS aging effects 2016 ,		5
42	A method for the evaluation of fault current distribution in complex high voltage networks. <i>Electric Power Systems Research</i> , 2015 , 126, 100-110	3.5	4
41	Mixed heuristic-non linear optimization of energy management for hydrogen storage-based multi carrier hubs 2014 ,		4
40	A Model for Assessing the Magnitude and Distribution of Sheath Currents in Medium and High-Voltage Cable Lines. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 6250-6257	4.3	4
39	Real-Time Minimization Power Losses by Driven Primary Regulation in Islanded Microgrids. <i>Energies</i> , 2020 , 13, 451	3.1	3
38	Forensic Analysis of Fire in a Substation of a Commercial Center. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 3218-3223	4.3	3
37	2013 ,		3
36	A new representation of energy storage systems operation using Fourier theory in optimal smart grids management 2012 ,		3
35	The New Course of FITs Mechanism for PV Systems in Italy: Novelties, Strong Points and Criticalities 2011 ,		3

34	A Model for the Study of Sheath Currents in Medium Voltage Cables for Industrial Application 2020		3
33	Conceptual Design and Modeling of the Toroidal Field Coils Circuit of DTT 2020 ,		3
32	Design optimization for the quench protection of DTT's superconducting toroidal field magnets. <i>Fusion Engineering and Design</i> , 2021 , 172, 112748	1.7	3
31	Effects of COVID19 pandemic on the Italian power system and possible countermeasures. <i>Electric Power Systems Research</i> , 2021 , 201, 107514	3.5	3
30	Frequency Dynamics in Fully Non-Synchronous Electrical Grids: A Case Study of an Existing Island. <i>Energies</i> , 2022 , 15, 2220	3.1	3
29	Grid-forming converters. A critical review of pilot projects and demonstrators. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 165, 112551	16.2	3
28	Grid Stability Improvement Using Synthetic Inertia by Battery Energy Storage Systems in Small Islands. <i>Energy</i> , 2022 , 124456	7.9	3
27	Electrical Safety of Resonant Grounding 2019 ,		2
26	Designing an Energy Management System for smart houses 2015 ,		2
25	A simple unsynchronized two-end algorithm for faults location and identification in electrical distribution systems. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2012 , 31, 636-655	0.7	2
24	Optimal Sizing and Siting of Distributed Energy Resources Considering Public and Private Incentive Policies. <i>Lecture Notes in Computer Science</i> , 2008 , 570-579	0.9	2
23	A New Meta-Heuristic Multi-Objective Approach For Optimal Dispatch of Dispersed and Renewable Generating Units in Power Distribution Systems 2011 , 162-181		2
22	Fall of Potential Measurement of the Earth Resistance in Urban Environments: Accuracy Evaluation. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 2337-2346	4.3	2
21	Technical Rules for Connecting PV Systems to the Distribution Grid: A Critical Comparison of the Italian and Vietnamese Frameworks 2018 ,		2
20	Inter-area oscillations in the 500-kV Vietnamese power system 2019 ,		1
19	Transitions from grid-connected to island operation of Smart Microgrids 2019 ,		1
18	An algorithm for simulating end-user behaviour in a real time pricing market 2015 ,		1
17	Transient DC-Arc Voltage Model in the Hybrid Switch of the DTT Fast Discharge Unit 2021 ,		1

16	A Comparison of Special Bonding Techniques for Transmission and Distribution Cables 2020 ,		1
15	A methodology for evaluating the flexibility potential of domestic air-conditioning systems 2020 ,		1
14	Forensic Inspections in the Time of Covid-19 2021 ,		1
13	A Methodology for Protection of Trees Against Lightning Strikes as a Measure to Prevent Fires and Loss of Human Life. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 3538-3544	4.3	1
12	Urban Energy Hubs and Microgrids: Smart Energy Planning for Cities 2017 , 129-175		0
11	Effect of Demand Side Management on the Operation of PV-Integrated Distribution Systems. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7551	2.6	0
10	A Methodology for Exploiting Smart Prosumers Flexibility in a Bottom-Up Aggregation Process. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 430	2.6	0
9	Evaluation of the Administrative Phase-Out of Coal Power Plants on the Italian Electricity Market. <i>Energies</i> , 2020 , 13, 4596	3.1	0
8	A Comparison of Special Bonding Techniques for Transmission and Distribution Cables Under Normal and Fault Conditions. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 101-109	4.3	0
7	Frequency dynamics of power systems with temporally distributed disturbances. <i>Sustainable Energy, Grids and Networks</i> , 2021 , 28, 100536	3.6	0
6	Generalized power-angle control for grid-forming converters: A structural analysis. <i>Sustainable Energy, Grids and Networks</i> , 2022 , 31, 100696	3.6	0
5	Transient Electrical Behaviour of the TF Superconducting Coils of Divertor Tokamak Test Facility During a Fast Discharge. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1	1.8	0
4	Sustainable Energy Supply in Vietnam. <i>UNIPA Springer Series</i> , 2021 , 97-108		0.1
3	Safety Protocols for Forensic Inspections in the Time of COVID-19: An Approach to Protect Practitioners. <i>IEEE Industry Applications Magazine</i> , 2021 , 2-6		0.6
2	A Double-Shell Design Approach for Multiobjective Optimal Design of Microgrids. <i>Smart Innovation, Systems and Technologies</i> , 2010 , 65-73		0.5
1	An Original Control Strategy of Storage Systems for the Frequency Stability of Autonomous Grids with Renewable Power Generation. <i>Energies</i> , 2021 , 14, 4391	3.1	