Pietro Colella

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6601318/publications.pdf

Version: 2024-02-01

27	264	933447	996975
papers	citations	10	15
		h-index	g-index

27	27	27	188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of MV Ground Fault Current Distribution on Global Earthing Systems. IEEE Transactions on Industry Applications, 2015, 51, 4961-4968.	4.9	35
2	The Immediate Impacts of COVID-19 on European Electricity Systems: A First Assessment and Lessons Learned. Energies, 2021, 14, 96.	3.1	30
3	Fault Current Detection and Dangerous Voltages in DC Urban Rail Traction Systems. IEEE Transactions on Industry Applications, 2017, 53, 4109-4115.	4.9	21
4	Global Earthing System: Can Buried Metallic Structures Significantly Modify the Ground Potential Profile?. IEEE Transactions on Industry Applications, 2015, 51, 5237-5246.	4.9	20
5	Thermal Assessment of Power Cables and Impacts on Cable Current Rating: An Overview. Energies, 2020, 13, 5319.	3.1	20
6	Currents Distribution During a Fault in an MV Network: Methods and Measurements. IEEE Transactions on Industry Applications, 2016, 52, 4585-4593.	4.9	18
7	Forecasting Electricity Price in Different Time Horizons: An Application to the Italian Electricity Market. IEEE Transactions on Industry Applications, 2021, 57, 5726-5736.	4.9	18
8	A Comparative Review of the Methodologies to Identify a Global Earthing System. IEEE Transactions on Industry Applications, 2017, 53, 3260-3267.	4.9	12
9	Influence of LV Neutral Grounding on Global Earthing Systems. IEEE Transactions on Industry Applications, 2017, 53, 22-31.	4.9	12
10	Concepts and Methods to Assess the Dynamic Thermal Rating of Underground Power Cables. Energies, 2021, 14, 2591.	3.1	10
11	Risk of electrocution during fire suppression activities involving photovoltaic systems. Fire Safety Journal, 2014, 67, 35-41.	3.1	9
12	Global earthing systems: Characterization of buried metallic parts. , 2016, , .		9
13	Dangerous touch voltages in buildings: The impact of extraneous conductive parts in risk mitigation. Electric Power Systems Research, 2017, 147, 263-271.	3.6	7
14	Model-Based Identification of Alternative Bidding Zones: Applications of Clustering Algorithms with Topology Constraints. Energies, 2021, 14, 2763.	3.1	7
15	Electrical safety of DC urban rail traction systems. , 2016, , .		6
16	MV ground fault current distribution: An analytical formulation of the reduction factor. , 2017, , .		4
17	Optimization of Digital Overcurrent Protection Settings in DC Urban Light Railway Systems. IEEE Transactions on Industry Applications, 2019, 55, 3437-3444.	4.9	4
18	Fall of Potential Measurement of the Earth Resistance in Urban Environments: Accuracy Evaluation. IEEE Transactions on Industry Applications, 2019, 55, 2337-2346.	4.9	4

#	Article	IF	Citations
19	Techno-economic Impacts of COVID-19 Pandemic on the Italian Electricity System. , 2020, , .		4
20	Prediction of Power Outages in Distribution Network with Grey Theory. , 2019, , .		3
21	Predictive methods of electricity price: an application to the Italian electricity market. , 2020, , .		3
22	Ground Resistance of Buried Metallic Parts in Urban Areas: An Extensive Measurement Campaign. IEEE Transactions on Industry Applications, 2017, 53, 5209-5216.	4.9	2
23	Earth resistance measurements in urban contexts: Problems and possible solutions. , 2017, , .		2
24	Rail Potential Calculation: Impact of the Chosen Model on the Safety Analysis. , 2018, , .		2
25	Impact of Wind and Solar Generation on the Italian Zonal Electricity Price. Energies, 2021, 14, 5858.	3.1	2
26	Optimal discretization of grounding systems applying Maxwellâ€™s subareas method. , 2018, , .		0
27	Validation and Testing of an Analytical Formulation to Compute the Reduction Factor in MV Grids. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	0