

Pietro Colella

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

264
citations

933447

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996975

15
g-index

27
all docs

27
docs citations

27
times ranked

188
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Model-Based Identification of Alternative Bidding Zones: Applications of Clustering Algorithms with Topology Constraints. Energies, 2021, 14, 2763.	3.1	7
3	Concepts and Methods to Assess the Dynamic Thermal Rating of Underground Power Cables. Energies, 2021, 14, 2591.	3.1	10
4	Impact of Wind and Solar Generation on the Italian Zonal Electricity Price. Energies, 2021, 14, 5858.	3.1	2
5	The Immediate Impacts of COVID-19 on European Electricity Systems: A First Assessment and Lessons Learned. Energies, 2021, 14, 96.	3.1	30
6	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
7	Predictive methods of electricity price: an application to the Italian electricity market. , 2020, , .		3
8	Thermal Assessment of Power Cables and Impacts on Cable Current Rating: An Overview. Energies, 2020, 13, 5319.	3.1	20
9	Techno-economic Impacts of COVID-19 Pandemic on the Italian Electricity System. , 2020, , .		4
10	Optimization of Digital Overcurrent Protection Settings in DC Urban Light Railway Systems. IEEE Transactions on Industry Applications, 2019, 55, 3437-3444.	4.9	4
11	Prediction of Power Outages in Distribution Network with Grey Theory. , 2019, , .		3
12	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
13	Rail Potential Calculation: Impact of the Chosen Model on the Safety Analysis. , 2018, , .		2
14	Optimal discretization of grounding systems applying Maxwell's subareas method. , 2018, , .		0
15	Fault Current Detection and Dangerous Voltages in DC Urban Rail Traction Systems. IEEE Transactions on Industry Applications, 2017, 53, 4109-4115.	4.9	21
16	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
17	A Comparative Review of the Methodologies to Identify a Global Earthing System. IEEE Transactions on Industry Applications, 2017, 53, 3260-3267.	4.9	12
18	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

#	ARTICLE	IF	CITATIONS
19	Earth resistance measurements in urban contexts: Problems and possible solutions. , 2017, , .		2
20	Influence of LV Neutral Grounding on Global Earthing Systems. IEEE Transactions on Industry Applications, 2017, 53, 22-31.	4.9	12
21	MV ground fault current distribution: An analytical formulation of the reduction factor. , 2017, , .		4
22	Global earthing systems: Characterization of buried metallic parts. , 2016, , .		9
23	Electrical safety of DC urban rail traction systems. , 2016, , .		6
24	Currents Distribution During a Fault in an MV Network: Methods and Measurements. IEEE Transactions on Industry Applications, 2016, 52, 4585-4593.	4.9	18
25	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
26	Impact of MV Ground Fault Current Distribution on Global Earthing Systems. IEEE Transactions on Industry Applications, 2015, 51, 4961-4968.	4.9	35
27	Risk of electrocution during fire suppression activities involving photovoltaic systems. Fire Safety Journal, 2014, 67, 35-41.	3.1	9