

MESTRINER DANIELE

Overview

? Unit: ELE
? Role: Ricercatore
? Grade: Ricercatore t.d. art. 24 c. 3 lett. A Legge 240/10 (t.pieno)
? SSD: IJET-01/A (Elettrotecnica)
? Scopus ID: 57115575100
? Unige Id: 365657
? Retrieved at: 2025-11-14T15:14:40.397832

Contact

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? Page: <https://rubrica.unige.it/personale/VkVCXV9u>
? Locations: Opera Pia - padiglione C (Ex CNR) (ED161450501), 3° piano, US161450501.III.015

Career

? Dr, 2016-11-01 ? 2019-10-31
? Ar, 2019-11-04 ? 2022-05-31
? Rd, 2022-06-01 ? 2027-05-31

Teaching

2025

? Elettrotecnica A (66017), L-9 - Ingegneria Nautica
? Elettrotecnica A (66017), L-9 - Ingegneria Nautica
? Elettrotecnica (72351), L-9 - Ingegneria Meccanica

2024

? Elettrotecnica A (66017), L-9 - Ingegneria Nautica
? Elettrotecnica A (66017), L-9 - Ingegneria Nautica
? Elettrotecnica (72351), L-9 - Ingegneria Meccanica

2023

? Elettrotecnica A (Cdl) (66017), L-9 - Ingegneria Nautica
? Elettrotecnica A (Cdl) (66017), L-9 - Ingegneria Nautica
? Modulo Di Elettrotecnica (72351), L-9 - Ingegneria Meccanica

2022

? Elettrotecnica A (Cdl) (66017), L-9 - Ingegneria Nautica
? Modulo Di Elettrotecnica (72351), L-9 - Ingegneria Meccanica

Scopus Metrics

? absolute; Docs: 76; Journals: 41; Conferences: 35; Citations: 662; H-index: 15
? 15 years (2010-2025); Docs: 76; Journals: 41; Conferences: 35; Citations: 662; H-index: 15
? 10 years (2015-2025); Docs: 76; Journals: 41; Conferences: 35; Citations: 662; H-index: 15
? 05 years (2020-2025); Docs: 55; Journals: 34; Conferences: 21; Citations: 370; H-index: 13

Scopus Products

1.

? Title: Analysis of Ten-Year Variations of Lightning Activity in Italy and Correlation

with Land and Sea Surface Temperatures

? Venue: Applied Sciences Switzerland

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? DOI: 10.3390/app152011038

? Scopus ID: 2-s2.0-105020244554

? eISSN: 20763417

? Volume: 15

? Issue: 20

? Authors: Nicora Martino; Moura Rodolfo Antonio Ribeiro; Bernardi Marina; Mestriner Daniele; Fiori Elisabetta

? Keywords: cloud-to-ground lightning | land surface temperature | lightning location systems | lightning statistics | sea surface temperature

? Quartile:

2025:

? Engineering (all) (Q1, rank 69, percentile 80)

? Instrumentation (Q1, rank 38, percentile 80)

? Fluid Flow and Transfer Processes (Q1, rank 21, percentile 79)

? Computer Science Applications (Q2, rank 294, percentile 70)

? Materials Science (all) (Q2, rank 166, percentile 64)

? Process Chemistry and Technology (Q2, rank 34, percentile 55)

? Source Id: 21100829268

? Author Ids: 57210463204;56045547600;56269310700;57115575100;35229110700

? Authoraffiliationids: 60025153;60028351;60083358;60025153;132336302

? Corresponding: Nicora M.

2.

? Title: Lightning-induced voltage on overhead conductors in urban areas: A study on how the air gap between buildings affects the shielding effect

? Venue: Electric Power Systems Research

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? DOI: 10.1016/j.epsr.2025.111795

? Scopus ID: 2-s2.0-105005584642

? Issn: 03787796

? Volume: 247

? Authors: Villamil Susana Naranjo; Mestriner Daniele

? Keywords: Air gaps | FDTD method | Lightning protection | Lightning-induced voltage | Reinforced concrete buildings

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)

? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)

? Source Id: 16044

? Author Ids: 57214752573;57115575100

? Authoraffiliationids: 127165456;60025153

? Corresponding: Villamil S.N.

3.

? Title: Preliminary Breakdown Pulses (PBP): A review on available data and models

? Venue: Electric Power Systems Research

? Year: 2025

? Type: Journal
? Subtype: Review
? Citations: 2
? DOI: 10.1016/j.epsr.2025.111463
? Scopus ID: 2-s2.0-85216258800
? Issn: 03787796
? Volume: 242
? Authors: Sekehravani Ehsan Akbari; Dodge Shayan; Barmada Sami; Brignone Massimo; Formisano Alessandro; Mestriner Daniele; Nicora Martino; Procopio Renato
? Keywords: Data | Lightning | Modeling | Preliminary Breakdown Pulses (PBP) | Return Stroke (RS)
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)
? Source Id: 16044
? Author Ids: 57216979388;59426639600;7004111796;8580886100;7003786952;57115575100;57210463204;7801615894
? Authoraffiliationids: 60026777;60028868;60028868;60025153;60026777;60025153;60025153;60025153
? Corresponding: Sekehravani E.A.

4.

? Title: Soil water content and porosity impact on distribution lines lightning outage rate
? Venue: Electrical Engineering
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.1007/s00202-024-02870-2
? Scopus ID: 2-s2.0-85211431164
? Issn: 09487921
? eISSN: 14320487
? Volume: 107
? Issue: 5
? Pages: 6423-6433
? Authors: Colqui Jaimis S.L.; Mestriner Daniele; Moura Rodolfo A.R.; Schroeder Marco Aurélio O.; Procopio Renato; Pissolato Filho Jos^o
? Keywords: Distribution lines | Grounding modeling | Induced voltages | Lightning outage rate | Soil porosity | Soil water content | Surge arrester
? Quartile:
2025:
? Applied Mathematics (Q1, rank 136, percentile 79)
? Electrical and Electronic Engineering (Q2, rank 351, percentile 64)
? Source Id: 16065
? Author Ids: 57211901417;57115575100;56045547600;15064585600;7801615894;57212237824
? Authoraffiliationids: 60029570;60025153;60028351;60028351;60025153;60029570
? Corresponding: Colqui J.S.L.

5.

? Title: A Method to Include the Effects of Tortuosity in the Electromagnetic Field Expressions produced by Vertical Lightning Channels
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2025
? Type: Journal

? Subtype: Article
? Citations: 1
? Doi: 10.1109/Tap.2025.3605025
? Scopus ID: 2-s2.0-105015729629
? Issn: 0018926x
? eISSN: 15582221
? Authors: Mestriner Daniele; Aramini Riccardo; Brignone Massimo; Nicora Martino; Procopio Renato; Randazzo Andrea
? Keywords: Electromagnetic fields | Lightning | Numerical models | Regularization
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 57115575100;15759187700;8580886100;57210463204;7801615894;7006280562
? Corresponding: Mestriner D.

6.
? Title: HVDC Offshore Return Electrodes: Light or Heavy?
? Venue: 2025 Aeit Hvdc International Conference Aeit Hvdc 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Aeithvdc66044.2025.11079471
? Scopus ID: 2-s2.0-105012574061
? Authors: Brignone Massimo; Mestriner Daniele; Nervi Mario; Marzinotto Massimo
? Keywords: Electromagnetic fields | Grounding | HVDC transmission | Marine technology
? Source Id: 21101318126
? Author Ids: 8580886100;57115575100;7003586072;15753958100
? Authoraffiliationids: 60025153;60025153;60025153;60122257
? Corresponding: Brignone M.

7.
? Title: A New Efficient Approach to Estimate Overhead Distribution Lines Lightning Performance
? Venue: IEEE Transactions on Power Delivery
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Tpwr.2025.3584383
? Scopus ID: 2-s2.0-105010141909
? Issn: 08858977
? eISSN: 19374208
? Volume: 40
? Issue: 4
? Pages: 1802-1810
? Authors: Coelho Alex J.C.; Mestriner Daniele; Moura Rodolfo A.R.; Assis Fernando A.; Schroeder Marco Aurélio O.; Brignone Massimo; Procopio Renato
? Keywords: lightning performance | Lightning-induced voltage | Monte Carlo method | overhead distribution line | unscented transform method
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 98, percentile 90)
? Energy Engineering and Power Technology (Q1, rank 49, percentile 85)
? Source Id: 17370

? Author Ids:
57615236600;57115575100;56045547600;57193615355;59981123400;8580886100;7801615894
? Authoraffiliationids: 60028351;60025153;60028351;60028351;60028351;60025153;60025153
? Corresponding: Coelho A.J.C.

8.

? Title: Reconstruction of the Lightning Return-Stroke Current from the Radiated Magnetic Field
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Tap.2025.3536797
? Scopus ID: 2-s2.0-105002681872
? Issn: 0018926x
? eISSN: 15582221
? Volume: 73
? Issue: 4
? Pages: 2521-2532
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Keywords: Electromagnetic propagation | inverse problems | lightning current
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 15759187700;8580886100;57115575100;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;128065441
? Corresponding: Aramini R.

9.

? Title: On the Effect of Building Segmentation on the Induced Voltages of Urban Distribution Systems
? Venue: Iclp 2024 37th International Conference on Lightning Protection
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-85215707832
? Pages: 644-649
? Authors: Naranjo-Villamil Susana; Mestriner Daniele
? Source Id: 21101270624
? Author Ids: 57214752573;57115575100
? Authoraffiliationids: 127165456;60025153
? Corresponding: Naranjo-Villamil S.

10.

? Title: Frequency-domain Expressions of the Time-Windowed Electric Fields Radiated by a Lightning Flash
? Venue: Iclp 2024 37th International Conference on Lightning Protection
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85215686103
? Pages: 708-713

? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Source Id: 21101270624
? Author Ids: 15759187700;8580886100;57115575100;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;127343000
? Corresponding: Aramini R.

11.

? Title: Sensitivity Analysis on the Reconstruction of the Attenuation Function for Short Time-Windows Measurements
? Venue: Iclp 2024 37th International Conference on Lightning Protection
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85215675068
? Pages: 688-693
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Source Id: 21101270624
? Author Ids: 15759187700;8580886100;57115575100;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;127343000
? Corresponding: Aramini R.

12.

? Title: HVDC Sea Electrodes: On the Choice of the Right Site
? Venue: Proceedings 24th Eeeic International Conference on Environment and Electrical Engineering and 8th I and Cps Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/EEEIC/ICPSEurope61470.2024.10751551
? Scopus ID: 2-s2.0-85211907149
? Authors: Brignone Massimo; Mestriner Daniele; Nervi Mario
? Keywords: DC Power Transmission | Ground Return | Sea Electrodes | Shore Electrodes
? Source Id: 21101263912
? Author Ids: 8580886100;57115575100;7003586072
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Brignone M.

13.

? Title: The Mitigation of Interference on Underground Power Lines Caused by the HVDC Electrode
? Venue: Energies
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 2
? DOI: 10.3390/en16237769
? Scopus ID: 2-s2.0-85179135250
? eISSN: 19961073
? Volume: 16
? Issue: 23
? Authors: Brignone Massimo; Mestriner Daniele; Molino Paolo; Nervi Mario; Marzinotto Massimo; Patti Sino

? Keywords: cable shielding | corrosion | grounding | HVDC transmission

? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)

? Engineering (miscellaneous) (Q1, rank 38, percentile 86)

? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)

? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)

? Fuel Technology (Q2, rank 40, percentile 70)

? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)

? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2023:

? Control and Optimization (Q1, rank 19, percentile 85)

? Engineering (miscellaneous) (Q1, rank 36, percentile 82)

? Electrical and Electronic Engineering (Q2, rank 200, percentile 74)

? Energy Engineering and Power Technology (Q2, rank 78, percentile 71)

? Fuel Technology (Q2, rank 40, percentile 69)

? Energy (miscellaneous) (Q2, rank 25, percentile 68)

? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 62)

? Source Id: 62932

? Author Ids: 8580886100;57115575100;7003420937;7003586072;15753958100;57226847112

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60122257;60122257

? Corresponding: Brignone M.

14.

? Title: Computation of the attenuation function of the lightning return-stroke current from electromagnetic fields measured in a short-duration time-window ? Part II: Numerical implementation

? Venue: Electric Power Systems Research

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 2

? DOI: 10.1016/j.epsr.2023.109410

? Scopus ID: 2-s2.0-85153090880

? Issn: 03787796

? Volume: 221

? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo;

Procopio Renato; Rachidi Farhad; Randazzo Andrea; Rubinstein Marcos

? Keywords: Electromagnetic fields | Inverse problems | Lightning

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)

? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)

2023:

? Electrical and Electronic Engineering (Q1, rank 158, percentile 80)

? Energy Engineering and Power Technology (Q1, rank 61, percentile 77)

? Source Id: 16044

? Author Ids: 15759187700;8580886100;57115575100;7004880389;7801615894;7003719604;70062

80562;7201682529

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60028186;60025153;128065441

? Corresponding: Aramini R.

15.

? Title: Computation of the attenuation function of the lightning return-stroke current from electromagnetic fields measured in a short-duration time-window, Part I:

Theoretical investigation

? Venue: Electric Power Systems Research

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 3

? DOI: 10.1016/j.epsr.2023.109392

? Scopus ID: 2-s2.0-85152236005

? Issn: 03787796

? Volume: 221

? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo; Procopio Renato; Rachidi Farhad; Randazzo Andrea; Rubinstein Marcos

? Keywords: Electromagnetic fields | Inverse problems | Lightning

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)

? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)

2023:

? Electrical and Electronic Engineering (Q1, rank 158, percentile 80)

? Energy Engineering and Power Technology (Q1, rank 61, percentile 77)

? Source Id: 16044

? Author Ids: 15759187700;8580886100;57115575100;7004880389;7801615894;7003719604;7006280562;7201682529

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60028186;60025153;128065441

? Corresponding: Aramini R.

16.

? Title: An Overview on Reversible Sea Return Electrodes for HVDC Links

? Venue: Energies

? Year: 2023

? Type: Journal

? Subtype: Review

? Citations: 2

? DOI: 10.3390/en16145349

? Scopus ID: 2-s2.0-85166243284

? eISSN: 19961073

? Volume: 16

? Issue: 14

? Authors: Brignone Massimo; Marzinotto Massimo; Mestriner Daniele; Nervi Mario; Molfino Paolo

? Keywords: electrodes | environmental issues | HVDC

? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)

? Engineering (miscellaneous) (Q1, rank 38, percentile 86)

? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)

? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)

? Fuel Technology (Q2, rank 40, percentile 70)

? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)

? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2023:

? Control and Optimization (Q1, rank 19, percentile 85)

? Engineering (miscellaneous) (Q1, rank 36, percentile 82)

? Electrical and Electronic Engineering (Q2, rank 200, percentile 74)

? Energy Engineering and Power Technology (Q2, rank 78, percentile 71)
? Fuel Technology (Q2, rank 40, percentile 69)
? Energy (miscellaneous) (Q2, rank 25, percentile 68)
? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 62)
? Source Id: 62932
? Author Ids: 8580886100;15753958100;57115575100;7003586072;7003420937
? Authoraffiliationids: 60025153;60122257;60025153;60025153;60025153
? Corresponding: Brignone M.

17.

? Title: Lightning Electromagnetic Fields Computation: A Review of the Available Approaches
? Venue: Energies
? Year: 2023
? Type: Journal
? Subtype: Review
? Citations: 15
? DOI: 10.3390/en16052436
? Scopus ID: 2-s2.0-85149725191
? eISSN: 19961073
? Volume: 16
? Issue: 5
? Authors: La Fata Alice; Nicora Martino; Mestriner Daniele; Aramini Riccardo; Procopio Renato; Brignone Massimo; Delfino Federico
? Keywords: computational effort | induced voltages | lightning
? Quartile:
2025:
? Control and Optimization (Q1, rank 11, percentile 94)
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
? Fuel Technology (Q2, rank 40, percentile 70)
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
? Energy (miscellaneous) (Q2, rank 39, percentile 64)
2023:
? Control and Optimization (Q1, rank 19, percentile 85)
? Engineering (miscellaneous) (Q1, rank 36, percentile 82)
? Electrical and Electronic Engineering (Q2, rank 200, percentile 74)
? Energy Engineering and Power Technology (Q2, rank 78, percentile 71)
? Fuel Technology (Q2, rank 40, percentile 69)
? Energy (miscellaneous) (Q2, rank 25, percentile 68)
? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 62)
? Source Id: 62932
? Author Ids:
57434749400;57210463204;57115575100;15759187700;7801615894;8580886100;6603766602
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: La Fata A.

18.

? Title: Evaluation of the Return-Stroke Current Attenuation Function from the Vertical Electric Field by Means of the Regularization of an Inverse Problem
? Venue: 17th International Symposium on Lightning Protection Sipda 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0

? Doi: 10.1109/Sipda59763.2023.10349194
? Scopus ID: 2-s2.0-85182395942
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Keywords: attenuation function | electromagnetic fields | inverse problems | Lightning | reconstruction
? Source Id: 21101196397
? Author Ids:
15759187700;8580886100;57115575100;7004880389;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;128065441
? Corresponding: Aramini R.

19.

? Title: Full-Wave Analysis of Wind Turbine Transient Response to Direct Lightning Strikes
? Venue: 17th International Symposium on Lightning Protection Sipda 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Sipda59763.2023.10349151
? Scopus ID: 2-s2.0-85182394777
? Authors: Torchio Riccardo; Nicora Martino; Mestriner Daniele; Brignone Massimo; Procopio Renato; Alotto Piergiorgio; Rubinstein Marcos
? Keywords: Lightning | lightning at tall structures | lightning electromagnetic pulse | return stroke current | wind turbines
? Source Id: 21101196397
? Author Ids:
57191963450;57210463204;57115575100;8580886100;7801615894;35493099300;7201682529
? Authoraffiliationids: 60000481;60025153;60025153;60025153;60025153;60000481;60101868
? Corresponding: Torchio R.

20.

? Title: Effects of Buildings on Lightning-Induced Voltages on Distribution Lines Considering Different Values of the Soil Conductivity
? Venue: 17th International Symposium on Lightning Protection Sipda 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Sipda59763.2023.10349092
? Scopus ID: 2-s2.0-85182391787
? Authors: Villamil Susana Naranjo; Mestriner Daniele; Guiffaut Christophe
? Keywords: electric field | FDTD method | flashovers | lightning | lightning-induced voltages
? Source Id: 21101196397
? Author Ids: 57214752573;57115575100;16024248400
? Authoraffiliationids: 127165456;60025153;60027892
? Corresponding: Villamil S.N.

21.

? Title: An Equivalent Attenuation Function for the Computation of the Lightning Field Radiated by a Tortuous Channel
? Venue: IEEE Conference on Antenna Measurements and Applications Cama
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 1
? Doi: 10.1109/Cama57522.2023.10352872
? Scopus ID: 2-s2.0-85182276702
? Issn: 24741760
? eISSN: 26436795
? Pages: 956-961
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Petrarca Carlo; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Keywords: lightning | regularization | tortuosity
? Quartile:
2025:
? Radiation (Q3, rank 53, percentile 28)
? Instrumentation (Q3, rank 140, percentile 25)
? Computer Networks and Communications (Q4, rank 432, percentile 21)
? Source Id: 21101136249
? Author Ids:
15759187700;8580886100;57115575100;7004208484;7801615894;7006280562;7201682529
? Authoraffiliationids:
60025153;60025153;60025153;114851910;60025153;60025153;130704963
? Corresponding: Aramini R.

22.

? Title: Reconstruction of the lightning channel-base current from remote measurements of electric and magnetic field by means of regularization techniques
? Venue: 2023 International Conference on Electromagnetics in Advanced Applications Iceaa 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iceaa57318.2023.10297752
? Scopus ID: 2-s2.0-85178193042
? Pages: 187
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Source Id: 21101188848
? Author Ids:
15759187700;8580886100;57115575100;7004880389;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;128065441
? Corresponding: Aramini R.

23.

? Title: Lightning Electromagnetic Fields above Perfectly Conducting Ground: A review
? Venue: Proceedings 2023 IEEE International Conference on Environment and Electrical Engineering and 2023 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? DOI: 10.1109/EEEIC/ICPSEurope57605.2023.10194849
? Scopus ID: 2-s2.0-85174667395
? Authors: La Fata Alice; Nicora Martino; Mestriner Daniele; Aramini Riccardo; Procopio Renato; Brignone Massimo; Delfino Federico
? Keywords: induced voltages | lightning electromagnetic fields | Perfectly Conducting ground

? Source Id: 21101173009
? Author Ids:
57434749400;57210463204;57115575100;15759187700;7801615894;8580886100;6603766602
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: La Fata A.

24.

? Title: A Semi-Analytical Approach to Calculate Lightning em Fields Considering Channel Tortuosity
? Venue: Proceedings 2023 IEEE International Conference on Environment and Electrical Engineering and 2023 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/EEEIC/ICPSEurope57605.2023.10194777
? Scopus ID: 2-s2.0-85168669979
? Authors: Brignone Massimo; Nicora Martino; Mestriner Daniele; Procopio Renato; Petrarca Carlo; Formisano Alessandro; Barmada Sami; Delfino Federico
? Keywords: electromagnetic fields | Lightning
? Source Id: 21101173009
? Author Ids: 8580886100;57210463204;57115575100;7801615894;7004208484;7003786952;7004111796;6603766602
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60017293;60026777;60028868;60025153
? Corresponding: Brignone M.

25.

? Title: HVDC Sea Return Electrodes and Oil/Gas Infrastructures: Technical Challenges and Their Effective Mitigations
? Venue: 2023 Aeit Hvdc International Conference Aeit Hvdc 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Aeithvdc58550.2023.10179068
? Scopus ID: 2-s2.0-85166974851
? Authors: Brignone Massimo; Mestriner Daniele; Nervi Mario
? Keywords: Conducting materials | Corrosion | Electromagnetic fields | Grounding | HVDC transmission | Materials reliability
? Source Id: 21101170028
? Author Ids: 8580886100;57115575100;7003586072
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Brignone M.

26.

? Title: On the reconstruction of the attenuation function of a return-stroke current from the Fourier Transform of finite-duration measurements
? Venue: International Journal of Electrical Power and Energy Systems
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1016/j.ijepes.2022.108186
? Scopus ID: 2-s2.0-85129236133
? Issn: 01420615

? Volume: 142
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo; Procopio Renato; Rachidi Farhad; Randazzo Andrea; Rubinstein Marcos
? Keywords: Electromagnetic fields | Inverse problems | Lightning
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 57, percentile 94)
? Energy Engineering and Power Technology (Q1, rank 25, percentile 92)
2022:
? Electrical and Electronic Engineering (Q1, rank 61, percentile 91)
? Energy Engineering and Power Technology (Q1, rank 26, percentile 89)
? Source Id: 17985
? Author Ids: 15759187700;8580886100;57115575100;7004880389;7801615894;7003719604;7006280562;7201682529
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60028186;60025153;128065441
? Corresponding: Aramini R.

27.

? Title: Assessment of the Lightning Performance of overhead distribution lines based on Lightning Location Systems data
? Venue: International Journal of Electrical Power and Energy Systems
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 15
? DOI: 10.1016/j.ijepes.2022.108230
? Scopus ID: 2-s2.0-85128990940
? Issn: 01420615
? Volume: 142
? Authors: Nicora Martino; Mestriner Daniele; Brignone Massimo; Bernardi Marina; Procopio Renato; Fiori Elisabetta; Delfino Federico; Piantini Alexandre; Rachidi Farhad
? Keywords: Lightning Locations Systems | Lightning parameters | Lightning Performance | Monte Carlo method | Overvoltage protection
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 57, percentile 94)
? Energy Engineering and Power Technology (Q1, rank 25, percentile 92)
2022:
? Electrical and Electronic Engineering (Q1, rank 61, percentile 91)
? Energy Engineering and Power Technology (Q1, rank 26, percentile 89)
? Source Id: 17985
? Author Ids: 57210463204;57115575100;8580886100;56269310700;7801615894;35229110700;6603766602;56045386400;7003719604
? Authoraffiliationids:
60025153;60025153;60025153;60083358;60025153;102075139;60025153;60008088;60028186
? Corresponding: Nicora M.

28.

? Title: An Efficient Method for the Computation of Electromagnetic Fields Associated With Tortuous Lightning Channels
? Venue: IEEE Transactions on Electromagnetic Compatibility
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 13

? Doi: 10.1109/Temc.2022.3186726
? Scopus ID: 2-s2.0-85135207703
? Issn: 00189375
? eISSN: 1558187X
? Volume: 64
? Issue: 5
? Pages: 1431-1441
? Authors: Brignone Massimo; Nicora Martino; Mestriner Daniele; Procopio Renato; Petrarca Carlo; Formisano Alessandro; Barmada Sami; Delfino Federico
? Keywords: Computation time | lightning channel tortuosity | lightning electromagnetic fields
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
? Condensed Matter Physics (Q2, rank 151, percentile 66)
? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)
2022:
? Electrical and Electronic Engineering (Q2, rank 256, percentile 65)
? Condensed Matter Physics (Q2, rank 150, percentile 64)
? Atomic and Molecular Physics, and Optics (Q2, rank 76, percentile 64)
? Source Id: 26051
? Author Ids: 8580886100;57210463204;57115575100;7801615894;7004208484;7003786952;7004111796;6603766602
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60017293;60026777;60028868;60025153
? Corresponding: Brignone M.

29.

? Title: On the Importance of Considering Realistic Orography Into the Evaluation of Lightning Electromagnetic Fields in Mixed Path
? Venue: IEEE Transactions on Electromagnetic Compatibility
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 6
? Doi: 10.1109/Temc.2022.3176047
? Scopus ID: 2-s2.0-85131767194
? Issn: 00189375
? eISSN: 1558187X
? Volume: 64
? Issue: 5
? Pages: 1442-1449
? Authors: Mestriner Daniele; Nicora Martino
? Keywords: Electromagnetic (EM) fields compatibility | lightning | lightning protection
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
? Condensed Matter Physics (Q2, rank 151, percentile 66)
? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)
2022:
? Electrical and Electronic Engineering (Q2, rank 256, percentile 65)
? Condensed Matter Physics (Q2, rank 150, percentile 64)
? Atomic and Molecular Physics, and Optics (Q2, rank 76, percentile 64)
? Source Id: 26051

? Author Ids: 57115575100;57210463204
? Authoraffiliationids: 60025153;60025153
? Corresponding: Mestriner D.

30.

? Title: Do Wind Turbines Amplify the Effects of Lightning Strikes? A Full-Maxwell Modelling Approach
? Venue: IEEE Transactions on Power Delivery
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 14
? Doi: 10.1109/Tpwr.2022.3142847
? Scopus ID: 2-s2.0-85123318624
? Issn: 08858977
? eISSN: 19374208
? Volume: 37
? Issue: 5
? Pages: 3996-4006
? Authors: Torchio Riccardo; Nicora Martino; Mestriner Daniele; Brignone Massimo; Procopio Renato; Alotto Piergiorgio; Rubinstein Marcos
? Keywords: Lightning | lightning at tall structures | lightning electromagnetic pulse | renewable | return stroke current | wind turbines
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 98, percentile 90)
? Energy Engineering and Power Technology (Q1, rank 49, percentile 85)
2022:
? Electrical and Electronic Engineering (Q1, rank 100, percentile 86)
? Energy Engineering and Power Technology (Q1, rank 40, percentile 84)
? Source Id: 17370
? Author Ids:
57191963450;57210463204;57115575100;8580886100;7801615894;35493099300;7201682529
? Authoraffiliationids: 60000481;60025153;60025153;60025153;60025153;60000481;106110786
? Corresponding: Torchio R.

31.

? Title: A Prony-based approach for accelerating the lightning electromagnetic fields computation above a perfectly conducting ground
? Venue: Electric Power Systems Research
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 11
? DOI: 10.1016/j.epsr.2022.108125
? Scopus ID: 2-s2.0-85131461531
? Issn: 03787796
? Volume: 210
? Authors: Brignone Massimo; Procopio Renato; Nicora Martino; Mestriner Daniele; Rachidi Farhad; Rubinstein Marcos
? Keywords: Computational effort reduction | Lightning electromagnetic fields | Prony series
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)

2022:

? Electrical and Electronic Engineering (Q1, rank 157, percentile 78)

? Energy Engineering and Power Technology (Q1, rank 61, percentile 75)

? Source Id: 16044

? Author Ids: 8580886100;7801615894;57210463204;57115575100;7003719604;7201682529

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60028186;60101868

? Corresponding: Brignone M.

32.

? Title: Attenuation of Lightning-Induced Effects on Overhead Distribution Systems in Urban Areas

? Venue: Applied Sciences Switzerland

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 7

? DOI: 10.3390/app12157632

? Scopus ID: 2-s2.0-85136944605

? eISSN: 20763417

? Volume: 12

? Issue: 15

? Authors: Mestriner Daniele; Marchesoni Flavia; Procopio Renato; Brignone Massimo

? Keywords: electromagnetic fields | finite element method | lightning

? Quartile:

2025:

? Engineering (all) (Q1, rank 69, percentile 80)

? Instrumentation (Q1, rank 38, percentile 80)

? Fluid Flow and Transfer Processes (Q1, rank 21, percentile 79)

? Computer Science Applications (Q2, rank 294, percentile 70)

? Materials Science (all) (Q2, rank 166, percentile 64)

? Process Chemistry and Technology (Q2, rank 34, percentile 55)

2022:

? Engineering (all) (Q1, rank 73, percentile 75)

? Instrumentation (Q2, rank 42, percentile 69)

? Fluid Flow and Transfer Processes (Q2, rank 32, percentile 65)

? Computer Science Applications (Q2, rank 287, percentile 63)

? Materials Science (all) (Q2, rank 199, percentile 56)

? Process Chemistry and Technology (Q3, rank 35, percentile 49)

? Source Id: 21100829268

? Author Ids: 57115575100;57866897200;7801615894;8580886100

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Mestriner D.

33.

? Title: A Prony-Based Approach for Accelerating the Lightning Electromagnetic Fields Computation: Effect of the Soil Finite Conductivity

? Venue: Electric Power Systems Research

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 7

? DOI: 10.1016/j.epsr.2022.108013

? Scopus ID: 2-s2.0-85129024780

? Issn: 03787796

? Volume: 209

? Authors: Brignone Massimo; Procopio Renato; Nicora Martino; Mestriner Daniele;

Rachidi Farhad; Rubinstein Marcos

? Keywords: Computational effort reduction | Finite Soil Conductivity | Lightning
Electromagnetic Fields | Prony Series

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)

? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)

2022:

? Electrical and Electronic Engineering (Q1, rank 157, percentile 78)

? Energy Engineering and Power Technology (Q1, rank 61, percentile 75)

? Source Id: 16044

? Author Ids: 8580886100;7801615894;57210463204;57115575100;7003719604;7201682529

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60028186;60101868

? Corresponding: Brignone M.

34.

? Title: On the Fourier Transform of Measured Electric Fields Radiated by a Lightning
Return Stroke

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 11

? Doi: 10.1109/Temc.2022.3154648

? Scopus ID: 2-s2.0-85127513704

? Issn: 00189375

? eISSN: 1558187X

? Volume: 64

? Issue: 4

? Pages: 1257-1264

? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo;
Procopio Renato; Randazzo Andrea; Rubinstein Marcos

? Keywords: Distribution theory | fast Fourier transform (FT) (FFT) | lightning

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)

? Condensed Matter Physics (Q2, rank 151, percentile 66)

? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)

2022:

? Electrical and Electronic Engineering (Q2, rank 256, percentile 65)

? Condensed Matter Physics (Q2, rank 150, percentile 64)

? Atomic and Molecular Physics, and Optics (Q2, rank 76, percentile 64)

? Source Id: 26051

? Author Ids:

15759187700;8580886100;57115575100;7004880389;7801615894;7006280562;7201682529

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;106110786

? Corresponding: Aramini R.

35.

? Title: Primary Voltage and Frequency Regulation in Inverter Based Islanded Microgrids
through a Model Predictive Control Approach

? Venue: Energies

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 9

? DOI: 10.3390/en15145077
? Scopus ID: 2-s2.0-85136444814
? eISSN: 19961073
? Volume: 15
? Issue: 14
? Authors: Mestriner Daniele; Rosini Alessandro; Xhani Iris; Bonfiglio Andrea; Procopio Renato
? Keywords: frequency regulation | microgrids | model predictive control
? Quartile:
2025:
? Control and Optimization (Q1, rank 11, percentile 94)
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
? Fuel Technology (Q2, rank 40, percentile 70)
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
? Energy (miscellaneous) (Q2, rank 39, percentile 64)
2022:
? Control and Optimization (Q1, rank 21, percentile 83)
? Engineering (miscellaneous) (Q1, rank 27, percentile 82)
? Electrical and Electronic Engineering (Q2, rank 197, percentile 73)
? Energy Engineering and Power Technology (Q2, rank 77, percentile 69)
? Energy (miscellaneous) (Q2, rank 18, percentile 67)
? Fuel Technology (Q2, rank 39, percentile 67)
? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 56)
? Source Id: 62932
? Author Ids: 57115575100;57204050700;57854403900;36607521000;7801615894
? Authoraffiliationids: 60025153;60025153;128490304;60025153;60025153
? Corresponding: Mestriner D.

36.

? Title: Impact of Considering Surge Arresters to Reduce Lightning Induced Voltage: Emphasis on the Grounding Modeling
? Venue: 2022 Workshop on Communication Networks and Power Systems Wcnps 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Wcnps56355.2022.9969679
? Scopus ID: 2-s2.0-85145434688
? Authors: Nobre Icaro Augusto; Colqui Jaimis S.L.; Mestriner Daniele; Procopio Renato; Brignone Massimo; Moura Rodolfo A.R.; Schroeder Marco A.O.; Resende Ursula C.; Filho Jose Pissolato
? Keywords: distribution lines | grounding modeling | Lightning induced voltages | shield wire | surge arresters
? Source Id: 21101129798
? Author Ids: 58040099000;57211901417;57115575100;7801615894;8580886100;56045547600;15064585600;15064798700;57212237824
? Authoraffiliationids: 129035900;60029570;60025153;60025153;60025153;60028351;60028351;129035900;60029570
? Corresponding: Nobre I.A.

37.

? Title: A Simplified Method for the Evaluation of Lightning-Induced Overvoltage Peaks with Frequency-Dependent Soil Parameters
? Venue: 2022 IEEE International Conference on Environment and Electrical Engineering

and 2022 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2022

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? DOI: 10.1109/EEEIC/ICPSEurope54979.2022.9854555

? Scopus ID: 2-s2.0-85138008714

? Authors: Moura Rodolfo A.R.; Mestriner Daniele; Procopio Renato; Schroeder Marco

A.O.; Assis Fernando A.; Nicora Martino; Delfino Federico

? Keywords: frequency-dependent electrical parameters of the soil | lightning | lightning-induced overvoltage | overhead distribution lines

? Source Id: 21101107964

? Author Ids:

56045547600;57115575100;7801615894;15064585600;57193615355;57210463204;6603766602

? Authoraffiliationids: 60028351;60025153;60025153;60028351;60028351;60025153;60025153

? Corresponding: Moura R.A.R.

38.

? Title: Soft-Start Capabilities of Battery Energy Storage Systems: Simulative Analysis of an Applicative Test-Case

? Venue: MELECON 2022 IEEE Mediterranean Electrotechnical Conference Proceedings

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Melecon53508.2022.9843132

? Scopus ID: 2-s2.0-85136360433

? Pages: 28-33

? Authors: Aresi Roberto; Bonfiglio Andrea; Mestriner Daniele; Pace Giampiero;

Pongiglione Paola; Soressi Ernesto

? Keywords: BESS | inrush current | Soft-start

? Source Id: 21101102123

? Author Ids: 6506633182;36607521000;57115575100;57854694600;57195506239;6505875138

? Authoraffiliationids: 128490895;60025153;60025153;128490895;128491796;128491796

? Corresponding: Aresi R.

39.

? Title: Lightning-Induced Overvoltage Peaks Considering Soil Parameters Frequency-Dependence: New Approach with Dominant Frequency Associated with Lightning Current Front Time

? Venue: Proceedings of International Conference on Harmonics and Quality of Power Ichqp

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Ichqp53011.2022.9808740

? Scopus ID: 2-s2.0-85133768366

? Issn: 15406008

? eISSN: 21640610

? Volume: 2022-May

? Authors: Moura Rodolfo A.R.; Mestriner Daniele; Procopio Renato; Schroeder Marco

A.O.; Assis Fernando A.; Delfino Federico

? Keywords: Frequency-dependent electrical parameters of soil | induced voltage | lightning | overhead line

? Quartile:

2025:

? Computer Networks and Communications (Q3, rank 354, percentile 35)

? Energy Engineering and Power Technology (Q3, rank 213, percentile 34)

? Electrical and Electronic Engineering (Q3, rank 654, percentile 34)

? Fuel Technology (Q3, rank 92, percentile 32)

? Signal Processing (Q3, rank 132, percentile 32)

? Source Id: 21100228510

? Author Ids: 56045547600;57115575100;7801615894;15064585600;57193615355;6603766602

? Authoraffiliationids: 60028351;60025153;60025153;60025153;60025153;60028351

? Corresponding: Moura R.A.R.

40.

? Title: Lightning modeling and its effects on electric infrastructures

? Venue: Applied Sciences Switzerland

? Year: 2021

? Type: Journal

? Subtype: Editorial

? Citations: 0

? DOI: 10.3390/app112311444

? Scopus ID: 2-s2.0-85120742665

? eISSN: 20763417

? Volume: 11

? Issue: 23

? Authors: Brignone Massimo; Mestriner Daniele

? Quartile:

2025:

? Engineering (all) (Q1, rank 69, percentile 80)

? Instrumentation (Q1, rank 38, percentile 80)

? Fluid Flow and Transfer Processes (Q1, rank 21, percentile 79)

? Computer Science Applications (Q2, rank 294, percentile 70)

? Materials Science (all) (Q2, rank 166, percentile 64)

? Process Chemistry and Technology (Q2, rank 34, percentile 55)

2021:

? Engineering (all) (Q2, rank 81, percentile 73)

? Instrumentation (Q2, rank 52, percentile 62)

? Computer Science Applications (Q2, rank 301, percentile 59)

? Fluid Flow and Transfer Processes (Q2, rank 37, percentile 58)

? Materials Science (all) (Q2, rank 219, percentile 51)

? Process Chemistry and Technology (Q3, rank 32, percentile 48)

? Source Id: 21100829268

? Author Ids: 8580886100;57115575100

? Authoraffiliationids: 60025153;60025153

? Corresponding: Brignone M.

41.

? Title: Estimation of the Lightning Performance of Overhead Lines Accounting for Different Types of Strokes and Multiple Strike Points

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 18

? Doi: 10.1109/Temc.2021.3060139

? Scopus ID: 2-s2.0-85102641007

? Issn: 00189375

? eISSN: 1558187X
? Volume: 63
? Issue: 6
? Pages: 2015-2023
? Authors: Nicora Martino; Mestriner Daniele; Brignone Massimo; Procopio Renato; Fiori Elisabetta; Piantini Alexandre; Rachidi Farhad
? Keywords: Lightning parameters | lightning performance | Monte Carlo method | overvoltage protection | power distribution lines
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
? Condensed Matter Physics (Q2, rank 151, percentile 66)
? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)
2021:
? Condensed Matter Physics (Q2, rank 126, percentile 69)
? Electrical and Electronic Engineering (Q2, rank 215, percentile 69)
? Atomic and Molecular Physics, and Optics (Q2, rank 70, percentile 66)
? Source Id: 26051
? Author Ids:
57210463204;57115575100;8580886100;7801615894;35229110700;56045386400;7003719604
? Authoraffiliationids: 60025153;60025153;60025153;60025153;102075139;60008088;60028186
? Corresponding: Nicora M.

42.

? Title: An Efficient Methodology for the Evaluation of the Lightning Performance of Overhead Lines
? Venue: IEEE Transactions on Electromagnetic Compatibility
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 19
? Doi: 10.1109/Temc.2021.3054427
? Scopus ID: 2-s2.0-85100937032
? Issn: 00189375
? eISSN: 1558187X
? Volume: 63
? Issue: 4
? Pages: 1137-1145
? Authors: Mestriner Daniele; Brignone Massimo; Procopio Renato; Nicora Martino; Fiori Elisabetta; Piantini Alexandre; Rachidi Farhad
? Keywords: Lightning electromagnetic pulse | lightning-induced effect and protection | return stroke channel models
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
? Condensed Matter Physics (Q2, rank 151, percentile 66)
? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)
2021:
? Condensed Matter Physics (Q2, rank 126, percentile 69)
? Electrical and Electronic Engineering (Q2, rank 215, percentile 69)
? Atomic and Molecular Physics, and Optics (Q2, rank 70, percentile 66)
? Source Id: 26051
? Author Ids:
57115575100;8580886100;7801615894;57210463204;35229110700;56045386400;7003719604
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153

? Corresponding: Mestriner D.

43.

? Title: A 10-year study on the lightning activity in Italy using data from the SIRF network

? Venue: Atmospheric Research

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 25

? DOI: 10.1016/j.atmosres.2021.105552

? Scopus ID: 2-s2.0-85102572946

? Issn: 01698095

? Volume: 256

? Authors: Nicora Martino; Mestriner Daniele; Brignone Massimo; Bernardi Marina; Procopio Renato; Fiori Elisabetta

? Keywords: Cloud-to-Ground Lightning | Lightning Location System | Lightning risk | Lightning statistics

? Quartile:

2025:

? Atmospheric Science (Q1, rank 18, percentile 88)

2021:

? Atmospheric Science (Q1, rank 14, percentile 90)

? Source Id: 12092

? Author Ids: 57210463204;57115575100;8580886100;56269310700;7801615894;35229110700

? Authoraffiliationids: 60025153;60025153;60025153;60083358;60025153;102075139

? Corresponding: Nicora M.

44.

? Title: Impact of grounding modeling on lightning-induced voltages evaluation in distribution lines

? Venue: Applied Sciences Switzerland

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 17

? DOI: 10.3390/app11072931

? Scopus ID: 2-s2.0-85103860873

? eISSN: 20763417

? Volume: 11

? Issue: 7

? Authors: Mestriner Daniele; de Moura Rodolfo Ant nio Ribeiro; Procopio Renato; Schroeder Marco Aur lio de Oliveira

? Keywords: Distribution lines | Grounding modeling | Lightning-induced overvoltages | Soil resistivity

? Quartile:

2025:

? Engineering (all) (Q1, rank 69, percentile 80)

? Instrumentation (Q1, rank 38, percentile 80)

? Fluid Flow and Transfer Processes (Q1, rank 21, percentile 79)

? Computer Science Applications (Q2, rank 294, percentile 70)

? Materials Science (all) (Q2, rank 166, percentile 64)

? Process Chemistry and Technology (Q2, rank 34, percentile 55)

2021:

? Engineering (all) (Q2, rank 81, percentile 73)

? Instrumentation (Q2, rank 52, percentile 62)

? Computer Science Applications (Q2, rank 301, percentile 59)
? Fluid Flow and Transfer Processes (Q2, rank 37, percentile 58)
? Materials Science (all) (Q2, rank 219, percentile 51)
? Process Chemistry and Technology (Q3, rank 32, percentile 48)
? Source Id: 21100829268
? Author Ids: 57115575100;56045547600;7801615894;15064585600
? Authoraffiliationids: 60025153;60028351;60025153;60028351
? Corresponding: Mestriner D.

45.

? Title: A decentralized approach for frequency and voltage regulation in islanded PV-Storage microgrids
? Venue: Electric Power Systems Research
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 38
? DOI: 10.1016/j.epsr.2020.106974
? Scopus ID: 2-s2.0-85099712458
? Issn: 03787796
? Volume: 193
? Authors: Rosini A.; Mestriner D.; Labella A.; Bonfiglio A.; Procopio R.
? Keywords: Model Predictive Control | Photovoltaic integration | Primary frequency control | Renewable Energy Sources | Voltage regulation
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)
2021:
? Electrical and Electronic Engineering (Q1, rank 128, percentile 81)
? Energy Engineering and Power Technology (Q1, rank 48, percentile 79)
? Source Id: 16044
? Author Ids: 57204050700;57115575100;57114931700;36607521000;7801615894
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Rosini A.

46.

? Title: Analytical Expressions for Lightning Electromagnetic Fields with Arbitrary Channel-Base Current - Part I: Theory
? Venue: IEEE Transactions on Electromagnetic Compatibility
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 15
? Doi: 10.1109/Temc.2020.3018199
? Scopus ID: 2-s2.0-85095957297
? Issn: 00189375
? eISSN: 1558187X
? Volume: 63
? Issue: 2
? Pages: 525-533
? Authors: Brignone Massimo; Procopio Renato; Mestriner Daniele; Rossi Mansueto; Delfino Federico; Rachidi Farhad; Rubinstein Marcos
? Keywords: Channel-base current | engineering models | lightning electromagnetic fields
? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
- ? Condensed Matter Physics (Q2, rank 151, percentile 66)
- ? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)

2021:

- ? Condensed Matter Physics (Q2, rank 126, percentile 69)
- ? Electrical and Electronic Engineering (Q2, rank 215, percentile 69)
- ? Atomic and Molecular Physics, and Optics (Q2, rank 70, percentile 66)

? Source Id: 26051

? Author Ids:

8580886100;7801615894;57115575100;7403708681;6603766602;7003719604;7201682529

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60028186;106110786

? Corresponding: Brignone M.

47.

? Title: Analytical Expressions for Lightning Electromagnetic Fields with Arbitrary Channel-Base Current. Part II: Validation and Computational Performance

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 9

? Doi: 10.1109/Temc.2020.3018108

? Scopus ID: 2-s2.0-85095951500

? Issn: 00189375

? eISSN: 1558187X

? Volume: 63

? Issue: 2

? Pages: 534-541

? Authors: Mestriner Daniele; Brignone Massimo; Procopio Renato; Rossi Mansueto; Delfino Federico; Rachidi Farhad; Rubinstein Marcos

? Keywords: Channel-base current | engineering models | lightning electromagnetic fields

? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
- ? Condensed Matter Physics (Q2, rank 151, percentile 66)
- ? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)

2021:

- ? Condensed Matter Physics (Q2, rank 126, percentile 69)
- ? Electrical and Electronic Engineering (Q2, rank 215, percentile 69)
- ? Atomic and Molecular Physics, and Optics (Q2, rank 70, percentile 66)

? Source Id: 26051

? Author Ids:

57115575100;8580886100;7801615894;7403708681;6603766602;7003719604;7201682529

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60028186;60101868

? Corresponding: Mestriner D.

48.

? Title: A New Channel-Base Lightning Current Formula with Analytically Adjustable Parameters

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 6

? Doi: 10.1109/Temc.2020.3009273
? Scopus ID: 2-s2.0-85095942778
? Issn: 00189375
? eISSN: 1558187X
? Volume: 63
? Issue: 2
? Pages: 542-549
? Authors: Mestriner Daniele; Brignone Massimo; Procopio Renato; Piantini Alexandre; Rachidi Farhad
? Keywords: Channel-base current (CBC) | lightning
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
? Condensed Matter Physics (Q2, rank 151, percentile 66)
? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)
2021:
? Condensed Matter Physics (Q2, rank 126, percentile 69)
? Electrical and Electronic Engineering (Q2, rank 215, percentile 69)
? Atomic and Molecular Physics, and Optics (Q2, rank 70, percentile 66)
? Source Id: 26051
? Author Ids: 57115575100;8580886100;7801615894;56045386400;7003719604
? Authoraffiliationids: 60025153;60025153;60025153;60008088;60028186
? Corresponding: Mestriner D.

49.

? Title: An MPC approach for a PV-BESS islanded system primary regulation
? Venue: 21st IEEE International Conference on Environment and Electrical Engineering and 2021 5th IEEE Industrial and Commercial Power System Europe Eeeic I and Cps Europe 2021 Proceedings
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 23
? DOI: 10.1109/EEEIC/ICPSEurope51590.2021.9584533
? Scopus ID: 2-s2.0-85126482806
? Authors: Minetti Manuela; Fresia Matteo; Mestriner Daniele
? Keywords: Inverter control | Microgrid | MPC | Photovoltaic Unit | Storage
? Source Id: 21101080908
? Author Ids: 57210474295;57224008583;57115575100
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Minetti M.

50.

? Title: A Method for the Improvement of the Stability in FDTD-Based Numerical Codes Evaluating Lightning-Induced Voltages
? Venue: 2021 35th International Conference on Lightning Protection Iclp 2021 and 16th International Symposium on Lightning Protection Sipda 2021
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/ICLPandSIPDA54065.2021.9627446
? Scopus ID: 2-s2.0-85123862186
? Authors: Mestriner Daniele; Brignone Massimo; Procopio Renato; Rachidi Farhad; Piantini Alexandre
? Keywords: FDTD | Lightning | Stability

? Source Id: 21101074738

? Author Ids: 57115575100;8580886100;7801615894;7003719604;56045386400

? Authoraffiliationids: 60025153;60025153;60025153;60028186;60008088

? Corresponding: Mestriner D.

51.

? Title: Lightning-induced Voltages on Overhead Distribution Lines Computed through Analytical Expressions for the Electromagnetic Fields

? Venue: 2021 35th International Conference on Lightning Protection Iclp 2021 and 16th International Symposium on Lightning Protection Sipda 2021

? Year: 2021

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1109/ICLPandSIPDA54065.2021.9627387

? Scopus ID: 2-s2.0-85123836302

? Authors: Brignone Massimo; Procopio Renato; Mestriner Daniele; Rossi Mansueto; Delfino Federico; Rachidi Farhad; Rubinstein Marcos

? Keywords: Channel base current | Engineering models | Lightning electromagnetic fields

? Source Id: 21101074738

? Author Ids:

8580886100;7801615894;57115575100;7403708681;6603766602;7003719604;7201682529

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60028186;60101868

? Corresponding: Brignone M.

52.

? Title: A transient stability approach for the analysis of droop-controlled islanded microgrids

? Venue: Electric Power Systems Research

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 14

? DOI: 10.1016/j.epsr.2020.106509

? Scopus ID: 2-s2.0-85087519051

? Issn: 03787796

? Volume: 187

? Authors: Mestriner D.; Labella A.; Brignone M.; Bonfiglio A.; Procopio R.

? Keywords: Microgrids | Power system modeling | Power system stability

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)

? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)

2020:

? Electrical and Electronic Engineering (Q1, rank 100, percentile 85)

? Energy Engineering and Power Technology (Q1, rank 36, percentile 84)

? Source Id: 16044

? Author Ids: 57115575100;57114931700;8580886100;36607521000;7801615894

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Mestriner D.

53.

? Title: Corona effect influence on the lightning performance of overhead distribution lines

? Venue: Applied Sciences Switzerland

? Year: 2020

? Type: Journal
 ? Subtype: Article
 ? Citations: 6
 ? DOI: 10.3390/app10144902
 ? Scopus ID: 2-s2.0-85088654791
 ? eISSN: 20763417
 ? Volume: 10
 ? Issue: 14
 ? Authors: Mestriner Daniele; Brignone Massimo
 ? Keywords: Corona discharge | Electromagnetic pulse | Lightning protection | Lightning-induced voltages | Numerical codes
 ? Quartile:
 2025:
 ? Engineering (all) (Q1, rank 69, percentile 80)
 ? Instrumentation (Q1, rank 38, percentile 80)
 ? Fluid Flow and Transfer Processes (Q1, rank 21, percentile 79)
 ? Computer Science Applications (Q2, rank 294, percentile 70)
 ? Materials Science (all) (Q2, rank 166, percentile 64)
 ? Process Chemistry and Technology (Q2, rank 34, percentile 55)
 2020:
 ? Engineering (all) (Q2, rank 85, percentile 71)
 ? Instrumentation (Q2, rank 49, percentile 62)
 ? Fluid Flow and Transfer Processes (Q2, rank 34, percentile 59)
 ? Computer Science Applications (Q2, rank 300, percentile 56)
 ? Materials Science (all) (Q2, rank 222, percentile 51)
 ? Process Chemistry and Technology (Q2, rank 30, percentile 50)
 ? Source Id: 21100829268
 ? Author Ids: 57115575100;8580886100
 ? Authoraffiliationids: 60025153;60025153
 ? Corresponding: Mestriner D.

54.

? Title: A Review of Lightning Location Systems: Part 11-Performance Parameters and Existing Networks
 ? Venue: Proceedings 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2020
 ? Year: 2020
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 6
 ? DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160809
 ? Scopus ID: 2-s2.0-85090407792
 ? Authors: La Fata Alice; Tosi Irene; Mestriner Daniele; Fiori Elisabetta; Delfino F.
 ? Keywords: detection efficiency | false alarm rate | lightning location system | location accuracy
 ? Source Id: 21101021268
 ? Author Ids: 57434749400;57218846251;57115575100;35229110700;6603766602
 ? Authoraffiliationids: 60025153;60025153;60025153;102075139;60025153
 ? Corresponding: La Fata A.

55.

? Title: On the Stability of FDTD-Based Numerical Codes to Evaluate Lightning-Induced Overvoltages in Overhead Transmission Lines
 ? Venue: IEEE Transactions on Electromagnetic Compatibility
 ? Year: 2020

? Type: Journal
? Subtype: Article
? Citations: 23
? Doi: 10.1109/Temc.2018.2890043
? Scopus ID: 2-s2.0-85079753587
? Issn: 00189375
? eISSN: 1558187X
? Volume: 62
? Issue: 1
? Pages: 108-115
? Authors: Brignone Massimo; Mestriner Daniele; Procopio Renato; Piantini Alexandre; Rachidi Farhad
? Keywords: Finite-difference time domain (FDTD) | lightning electromagnetic pulse | lightning-induced effects and protection | numerical methods and modeling
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
? Condensed Matter Physics (Q2, rank 151, percentile 66)
? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)
2020:
? Electrical and Electronic Engineering (Q2, rank 174, percentile 74)
? Condensed Matter Physics (Q2, rank 105, percentile 74)
? Atomic and Molecular Physics, and Optics (Q2, rank 54, percentile 72)
? Source Id: 26051
? Author Ids: 8580886100;57115575100;7801615894;56045386400;7003719604
? Authoraffiliationids: 60025153;60025153;60025153;60008088;60028186
? Corresponding: Brignone M.

56.

? Title: A review on the return stroke engineering models attenuation function: Proposed expressions, validation and identification methods
? Venue: Electric Power Systems Research
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 21
? DOI: 10.1016/j.epsr.2019.03.019
? Scopus ID: 2-s2.0-85063387708
? Issn: 03787796
? Volume: 172
? Pages: 230-241
? Authors: Brignone Massimo; Mestriner Daniele; Procopio Renato; Delfino Federico
? Keywords: Attenuation function | Inverse problems | Regularization techniques | Return stroke
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)
2019:
? Energy Engineering and Power Technology (Q1, rank 25, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 84, percentile 87)
? Source Id: 16044
? Author Ids: 8580886100;57115575100;7801615894;6603766602
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

57.

? Title: Lightning Current Parameters Effects on the Induced Overvoltages in Transmission Lines
? Venue: Proceedings 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Eeeic.2019.8783658
? Scopus ID: 2-s2.0-85070824602
? Authors: Mestriner Daniele; Nicora Martino; Procopio Renato; Brignone Massimo; Rossi Mansueto; Delfino Federico; Fiori Elisabetta
? Keywords: Electromagnetic fields | Lightning | Lightning Induced Voltages | Statistical analysis
? Source Id: 21100924363
? Author Ids:
57115575100;57210463204;7801615894;8580886100;7403708681;6603766602;35229110700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;102075139
? Corresponding: Mestriner D.

58.

? Title: ITER Reactive Power Compensation Systems: Analysis on reactive power sharing strategies
? Venue: Proceedings 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/Eeeic.2019.8783219
? Scopus ID: 2-s2.0-85070823536
? Authors: Mestriner Daniele; Labella Alessandro; Bonfiglio Andrea; Benfatto Ivone; Li Jinchao; Ye Yulong; Song Zhiquan
? Keywords: ITER Power Supply | Reactive Power Compensation System | Static var compensator | Thyristor controlled reactor | Voltage stability
? Source Id: 21100963042
? Author Ids:
57115575100;57114931700;36607521000;6603638168;55963688300;57220779716;55660506000
? Authoraffiliationids:
60025153;60025153;60025153;123002656;123002656;123002656;123002656
? Corresponding: Mestriner D.

59.

? Title: EM Fields Generated by a Scale Model Helical Antenna and Its Use in Validating a Code for Lightning-Induced Voltage Calculation
? Venue: IEEE Transactions on Electromagnetic Compatibility
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 12
? Doi: 10.1109/Temc.2019.2911995
? Scopus ID: 2-s2.0-85067394704
? Issn: 00189375

? eISSN: 1558187X
? Volume: 61
? Issue: 3
? Pages: 778-787
? Authors: Brignone Massimo; Mestriner Daniele; Procopio Renato; Rossi Mansueto; Piantini Alexandre; Rachidi Farhad
? Keywords: Lightning electromagnetic pulse | lightning induced effects and protection | lightning location | lightning measurement and modeling
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
? Condensed Matter Physics (Q2, rank 151, percentile 66)
? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)
2019:
? Electrical and Electronic Engineering (Q1, rank 166, percentile 75)
? Condensed Matter Physics (Q2, rank 106, percentile 73)
? Atomic and Molecular Physics, and Optics (Q2, rank 53, percentile 71)
? Source Id: 26051
? Author Ids: 8580886100;57115575100;7801615894;7403708681;56045386400;7003719604
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60008088;60028186
? Corresponding: Brignone M.

60.

? Title: Boundary Layer Tuning Procedure for First Order Sliding Mode Controllers
? Venue: 2019 11th International Symposium on Advanced Topics in Electrical Engineering Atee 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Atee.2019.8724990
? Scopus ID: 2-s2.0-85067520277
? Authors: Mestriner Daniele
? Keywords: boundary layer | model based controller tuning | robust control | sliding mode control
? Source Id: 21100912301
? Author Ids: 57115575100
? Corresponding: Mestriner D.

61.

? Title: Feasibility Study of Supercapacitors as Stand-Alone Storage Systems for Series Hybrid Electric Vehicles
? Venue: 2019 11th International Symposium on Advanced Topics in Electrical Engineering Atee 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Atee.2019.8724997
? Scopus ID: 2-s2.0-85067514462
? Authors: Mestriner Daniele
? Keywords: Fuel Economy | Hybrid Electric Vehicles | Series Architecture | Supercapacitor
? Source Id: 21100912301
? Author Ids: 57115575100
? Corresponding: Mestriner D.

62.

? Title: A simplified study for reactive power management in autonomous microgrids
? Venue: Wseas Transactions on Power Systems
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 13
? Scopus ID: 2-s2.0-85076252294
? Issn: 17905060
? eISSN: 2224350X
? Volume: 14
? Pages: 107-112
? Authors: Rosini A.; Bonfiglio A.; Mestriner D.; Minetti M.; Bracco S.
? Keywords: Autonomous microgrids | Microgrids | Power electronic converters | Power management | Reactive power | Voltage control
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q3, rank 240, percentile 41)
? Electrical and Electronic Engineering (Q3, rank 621, percentile 37)
2019:
? Subject (Q2, rank 456, percentile 54)
? Subject (Q3, rank 128, percentile 36)
? Subject (Q3, rank 259, percentile 34)
? Subject (Q3, rank 912, percentile 26)
? Industrial and Manufacturing Engineering (Q4, rank 261, percentile 23)
? Source Id: 19700190300
? Author Ids: 57204050700;36607521000;57115575100;57210474295;15049159900
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Rosini A.

63.

? Title: Mitigation of lightning-induced overvoltages using shield wires: Application of the response surface method
? Venue: 34th International Conference on Lightning Protection Iclp 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Iclp.2018.8503388
? Scopus ID: 2-s2.0-85056852982
? Authors: Brignone Massimo; Mestriner Daniele; Procopio Renato; Rachidi Farhad; Piantini Alexandre
? Keywords: lightning electromagnetic pulse | Lightning induced effect | lightning protection | statistical methods for EMC
? Source Id: 21100886503
? Author Ids: 8580886100;57115575100;7801615894;7003719604;56045386400
? Authoraffiliationids: 60025153;60025153;60025153;60028186;60008088
? Corresponding: Brignone M.

64.

? Title: Analysis of the Impact of the Lightning Return Stroke Models on Overhead Transmission Lines Induced Voltages
? Venue: 2018 IEEE Symposium on Electromagnetic Compatibility Signal Integrity and Power Integrity EMC Si and Pi 2018
? Year: 2018
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Emcsi.2018.8495420
? Scopus ID: 2-s2.0-85056606444
? Authors: Mestriner Daniele
? Keywords: Lightning electromagnetic pulse | Lightning induced effect and protection | Return stroke channel models
? Source Id: 21100886130
? Author Ids: 57115575100
? Authoraffiliationids: 60025153
? Corresponding: Mestriner D.

65.

? Title: ITER Fast Discharging Units: A Black Box Model Approach for Circuital Simulations
? Venue: Proceedings 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Eeeic.2018.8494418
? Scopus ID: 2-s2.0-85056535916
? Authors: Bonfiglio Andrea; Labella Alessandro; Mestriner Daniele; Milani Francesco; Procopio Renato; Ye Yulong
? Keywords: Black box arc model | Electric arc models | Nuclear fusion
? Source Id: 21100885800
? Author Ids: 36607521000;57114931700;57115575100;7006887353;7801615894;57220779716
? Authoraffiliationids: 60025153;60025153;60025153;60002062;60025153;60002062
? Corresponding: Bonfiglio A.

66.

? Title: Model Predictive Control for Primary Regulation of Islanded Microgrids
? Venue: Proceedings 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 16
? Doi: 10.1109/Eeeic.2018.8494209
? Scopus ID: 2-s2.0-85056505348
? Authors: Blanco Federico; Labella Alessandro; Mestriner Daniele; Rosini Alessandro
? Keywords: Control system | Model Predictive Control | Smart Grid
? Source Id: 21100885800
? Author Ids: 57204644862;57114931700;57115575100;57204050700
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Blanco F.

67.

? Title: Lightning Induced Voltages on Overhead Lines for Different Return Stroke Engineering Models
? Venue: IEEE International Symposium on Electromagnetic Compatibility
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 3
? DOI: 10.1109/EMCEurope.2018.8485068
? Scopus ID: 2-s2.0-85056081720
? Issn: 10774076
? eISSN: 21581118
? Volume: 2018-August
? Pages: 1008-1013
? Authors: Brignone Massimo; Mestriner Daniele; Procopio Renato; Javor Dario; Javor Vesna
? Keywords: engineering models | field-to-line coupling | induced voltages | lightning electromagnetic field
? Source Id: 17274
? Author Ids: 8580886100;57115575100;7801615894;57195286376;26658305900
? Authoraffiliationids: 60025153;60025153;60025153;60068806;60068806
? Corresponding: Brignone M.

68.

? Title: Modeling and Experimental Validation of an Islanded No-Inertia Microgrid Site
? Venue: IEEE Transactions on Sustainable Energy
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 32
? Doi: 10.1109/Tste.2018.2816401
? Scopus ID: 2-s2.0-85043773189
? Issn: 19493029
? Volume: 9
? Issue: 4
? Pages: 1812-1821
? Authors: Bonfiglio Andrea; Delfino Federico; Labella Alessandro; Mestriner Daniele; Pampararo Fabio; Procopio Renato; Guerrero Josep M.
? Keywords: islanding | microgrids | power system modeling | Smart grids | system validation
? Quartile:
2025:
? Renewable Energy, Sustainability and the Environment (Q1, rank 20, percentile 93)
2018:
? Renewable Energy, Sustainability and the Environment (Q1, rank 9, percentile 94)
? Source Id: 19700177027
? Author Ids:
36607521000;6603766602;57114931700;57115575100;36782697700;7801615894;35588010400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60022134
? Corresponding: Bonfiglio A.

69.

? Title: Evaluation of the mitigation effect of the shield wires on lightning induced overvoltages in MV distribution systems using statistical analysis
? Venue: IEEE Transactions on Electromagnetic Compatibility
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 46
? Doi: 10.1109/Temc.2017.2779184
? Scopus ID: 2-s2.0-85039784267
? Issn: 00189375
? Volume: 60

? Issue: 5
 ? Pages: 1400-1408
 ? Authors: Brignone Massimo; Mestriner Daniele; Procopio Renato; Piantini Alexandre; Rachidi Farhad
 ? Keywords: Lightning electromagnetic pulse | lightning induced effect and protection | statistical methods for electromagnetic compatibility (EMC)
 ? Quartile:
 2025:
 ? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
 ? Condensed Matter Physics (Q2, rank 151, percentile 66)
 ? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)
 2018:
 ? Electrical and Electronic Engineering (Q2, rank 170, percentile 74)
 ? Condensed Matter Physics (Q2, rank 125, percentile 68)
 ? Atomic and Molecular Physics, and Optics (Q2, rank 59, percentile 66)
 ? Source Id: 26051
 ? Author Ids: 8580886100;57115575100;7801615894;56045386400;7003719604
 ? Authoraffiliationids: 60025153;60025153;60025153;60008088;60028186
 ? Corresponding: Brignone M.

70.

? Title: Analysis of lightning effects on power plant connection
 ? Venue: International Journal of Power and Energy Systems
 ? Year: 2018
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 4
 ? DOI: 10.2316/Journal.203.2018.2.203-0011
 ? Scopus ID: 2-s2.0-85064408962
 ? Issn: 10783466
 ? Volume: 38
 ? Issue: 2
 ? Pages: 40-49
 ? Authors: Mestriner Daniele; Invernizzi Marco
 ? Keywords: Electromagnetic effects | Lightning effects | Power system protection | Switching operation
 ? Quartile:
 2025:
 ? Applied Mathematics (Q3, rank 446, percentile 33)
 ? Energy Engineering and Power Technology (Q3, rank 217, percentile 33)
 ? Electrical and Electronic Engineering (Q3, rank 679, percentile 32)
 2018:
 ? Energy Engineering and Power Technology (Q4, rank 158, percentile 22)
 ? Electrical and Electronic Engineering (Q4, rank 564, percentile 15)
 ? Applied Mathematics (Q4, rank 421, percentile 12)
 ? Source Id: 26993
 ? Author Ids: 57115575100;6701527755
 ? Authoraffiliationids: 60025153;60025153
 ? Corresponding: Mestriner D.

71.

? Title: A simplified first harmonic model for the Savona Campus Smart Polygeneration Microgrid
 ? Venue: Conference Proceedings 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2017

? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 20
? Doi: 10.1109/Eeeic.2017.7977491
? Scopus ID: 2-s2.0-85026761590
? Authors: Labella Alessandro; Mestriner Daniele; Procopio Renato; Delfino Federico
? Keywords: Islanding | Mathematical model | Microgrids | Photovoltaic system | Smart grids
? Source Id: 21100826217
? Author Ids: 57114931700;57115575100;7801615894;6603766602
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Labella A.

72.

? Title: Evaluation of lightning-induced overvoltages on a distribution system: Validation of a dedicated code using experimental results on a reduced-scale model
? Venue: Conference Proceedings 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 14
? Doi: 10.1109/Eeeic.2017.7977636
? Scopus ID: 2-s2.0-85026733612
? Authors: Brignone Massimo; Ginnante Erica; Mestriner Daniele; Ruggi Laria; Procopio Renato; Piantini Alexandre; Rachidi Farhad
? Keywords: Induced voltage | Lightning | Multiconductor lines | Power systems simulator
? Source Id: 21100826217
? Author Ids: 8580886100;57195276339;57115575100;57195277352;7801615894;56045386400;7003719604
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60008088;60028186
? Corresponding: Brignone M.

73.

? Title: A new method to evaluate the stability of a droop controlled micro grid
? Venue: 2017 10th International Symposium on Advanced Topics in Electrical Engineering Atee 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 15
? Doi: 10.1109/Atee.2017.7905017
? Scopus ID: 2-s2.0-85019265794
? Pages: 448-453
? Authors: Labella Alessandro; Mestriner Daniele; Procopio Renato; Brignone Massimo
? Keywords: droop control | droop stability | power sharing stability | simplified microgrid | stability
? Source Id: 21100812603
? Author Ids: 57114931700;57115575100;7801615894;8580886100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Labella A.

74.

? Title: Measurement Campaign and Experimental Results of an Islanded Microgrid

? Venue: Proceedings of 8th International Conference on Energy and Environment Energy Saved Today is Asset for Future Ciem 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Ciem.2017.8120783
? Scopus ID: 2-s2.0-85041232066
? Pages: 31-35
? Authors: Labella Alessandro; Mestriner Daniele; Pampararo Fabio; Procopio Renato
? Keywords: Islanding operation | Microgrids | Oscilloscopes | Power system transients
? Source Id: 21100933089
? Author Ids: 57114931700;57115575100;36782697700;7801615894
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Labella A.

75.

? Title: A Simplified Microgrid Model for the Validation of Islanded Control Logics
? Venue: Energies
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 30
? DOI: 10.3390/en10081141
? Scopus ID: 2-s2.0-85034814451
? eISSN: 19961073
? Volume: 10
? Issue: 8
? Authors: Bonfiglio Andrea; Brignone Massimo; Invernizzi Marco; Labella Alessandro; Mestriner Daniele; Procopio Renato
? Keywords: Distribute control | Droop control | Islanded microgrid | Microgrid | Microgrid model | Microgrid simulation | Storage characterization
? Quartile:
2025:
? Control and Optimization (Q1, rank 11, percentile 94)
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
? Fuel Technology (Q2, rank 40, percentile 70)
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
? Energy (miscellaneous) (Q2, rank 39, percentile 64)
2017:
? Control and Optimization (Q1, rank 18, percentile 80)
? Energy Engineering and Power Technology (Q2, rank 55, percentile 73)
? Electrical and Electronic Engineering (Q2, rank 202, percentile 69)
? Energy (miscellaneous) (Q2, rank 7, percentile 63)
? Renewable Energy, Sustainability and the Environment (Q2, rank 67, percentile 55)
? Source Id: 62932
? Author Ids: 36607521000;8580886100;6701527755;57114931700;57115575100;7801615894
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.

76.

? Title: Approximate characterization of large Photovoltaic power plants at the Point of Interconnection
? Venue: Proceedings of the Universities Power Engineering Conference

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 23

? Doi: 10.1109/Upec.2015.7339789

? Scopus ID: 2-s2.0-84958092976

? Volume: 2015-November

? Authors: Bonfiglio A.; Delfino F.; Invernizzi M.; Labella A.; Mestriner D.; Procopio R.; Serra P.

? Keywords: Photovoltaic Power Plants | Renewable integration

? Source Id: 69722

? Author Ids:

36607521000;6603766602;6701527755;57114931700;57115575100;7801615894;8246669600

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60102057

? Corresponding: Bonfiglio A.