

BRIGNONE MASSIMO

Overview

? Unit: ELE
? Role: Professore associato
? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 1
? SSD: IJET-01/A (Elettrotecnica)
? Scopus ID: 8580886100
? Unige Id: 700707
? Retrieved at: 2025-11-14T15:14:30.138143

Contact

? Email: massimo.brignone@unige.it
? Page: <https://rubrica.unige.it/personale/UkNHXFpu>
? Locations: Campus di Savona - palazzina Delfino (ED171000105), 1° piano, US171000105.I.019; Opera Pia - padiglione C (Ex CNR) (ED161450501), 3° piano, US161450501.III.017

Career

? Ar, 2013-03-01 ? 2017-06-30
? Rd, 2017-07-01 ? 2022-11-29
? Pa, 2022-11-30 ? 2222-02-02

Teaching

2025

? Complementi Di Circuiti (111150), L-9 - Ingegneria Elettrica
? Elettrotecnica (66015), L-9 - Ingegneria Navale
? Electrotecnics (101133), L-28 - Maritime Science And Technology
? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Dell'Energia
? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Dell'Energia

2024

? Complementi Di Circuiti (111150), L-9 - Ingegneria Elettrica
? Elettrotecnica (66015), L-9 - Ingegneria Navale
? Electrotecnics (101133), L-28 - Maritime Science And Technology
? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Dell'Energia

2023

? Circuiti Elettrici (60336), L-9 - Ingegneria Elettrica
? Elettrotecnica (60337), L-9 - Ingegneria Meccanica
? Elettrotecnica (66015), L-9 - Ingegneria Navale
? Electrotecnics (101133), L-28 - Maritime Science And Technology
? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Dell'Energia

2022

? Circuiti Elettrici (60336), L-9 - Ingegneria Elettrica
? Elettrotecnica (60337), L-9 - Ingegneria Meccanica
? Elettrotecnica (66015), L-9 - Ingegneria Navale
? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Meccanica - Energia E Produzione
? Electrotecnics (101133), L-28 - Maritime Science And Technology

2021

? Circuiti Elettrici (60336), L-9 - Ingegneria Elettrica

? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Meccanica - Energia E
Produzione
? Electrotecnics (101133), L-28 - Maritime Science And Technology

2020

? Circuiti Elettrici (60336), L-9 - Ingegneria Elettrica
? Strategies For Energy (98229), Lm/Ds - Engineering Technology For Strategy (And
Security)
? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Meccanica - Energia E
Produzione
? Electrotecnics (101133), L-28 - Maritime Science And Technology

Scopus Metrics

? absolute; Docs: 143; Journals: 80; Conferences: 63; Citations: 1699; H-index: 23
? 15 years (2010-2025); Docs: 128; Journals: 72; Conferences: 56; Citations: 1496;
H-index: 21
? 10 years (2015-2025); Docs: 102; Journals: 54; Conferences: 48; Citations: 970; H-index:
16
? 05 years (2020-2025); Docs: 57; Journals: 35; Conferences: 22; Citations: 377; H-index:
13

Scopus Products

1.

? 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;5721
0463204;7801615894
? Authoraffiliationids:
60026777;60028868;60028868;60025153;60026777;60025153;60025153;60025153
? Corresponding: Sekehravani E.A.

2.

? Title: A deep learning based lightning location system
? Venue: Electric Power Systems Research
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 2

? DOI: 10.1016/j.epsr.2025.111437
? Scopus ID: 2-s2.0-85216083263
? Issn: 03787796
? Volume: 242
? Authors: Dodge Shayan; Nicora Martino; Barmada Sami; Brignone Massimo; Procopio Renato; Tucci Mauro
? Keywords: Artificial neural networks | Deep learning | Lightning current measurement | Lightning location | Lightning-induced voltage | Transmission lines
? 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: 59426639600;57210463204;7004111796;8580886100;7801615894;15844640300
? Authoraffiliationids: 60028868;60025153;60028868;60025153;60025153;60028868
? Corresponding: Dodge S.

3.

? Title: An Energy Management System to Optimize the Participation in the Day Ahead and Ancillary Service Markets
? Venue: 2025 IEEE Kiel Powertech Powertech 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/PowerTech59965.2025.11180328
? Scopus ID: 2-s2.0-105019304231
? Authors: La Fata Alice; Brignone Massimo; Petronijevic Milutin; Mitic Ivana Radonjic; Barbero Giulia; Barilli Riccardo
? Keywords: Ancillary Service Market | Day Ahead Market | Energy Management System | Mixed Integer Linear Programming
? Source Id: 21101341419
? Author Ids: 60145491200;8580886100;14422928500;57208649613;57194587672;57889358800
? Authoraffiliationids: 60025153;60025153;60068806;60068806;133281163;133281163
? Corresponding: La Fata A.

4.

? Title: A Survey of Measurements and Analyses of Preliminary Breakdown Pulses in Lightning Flashes
? Venue: Conference Proceedings 2025 IEEE International Conference on Environment and Electrical Engineering and 2025 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/EEEIC/ICPSEurope64998.2025.11169198
? Scopus ID: 2-s2.0-105019062078
? Authors: Barmada Sami; Bonfiglio Andrea; Brignone Massimo; Dodge Shayan; Formisano Alessandro; Procopio Renato; Sekehravani Ehsan Akbari
? Keywords: Data Analysis | Lightning | Lightning Measurements | Preliminary Breakdown Pulses | Return Stroke
? Source Id: 21101340466
? Author Ids:
7004111796;36607521000;8580886100;59426639600;7003786952;7801615894;57216979388
? Authoraffiliationids: 60028868;60025153;60025153;60028868;60026777;60025153;60001111

? Corresponding: Barmada S.

5.

? Title: An Efficient Power Dispatching Strategy to Cope with Renewable Energy Sources Uncertainties

? Venue: Conference Proceedings 2025 IEEE International Conference on Environment and Electrical Engineering and 2025 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2025

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1109/EEEIC/ICPSEurope64998.2025.11169234

? Scopus ID: 2-s2.0-105019038019

? Authors: Fata Alice La; Amin M. Asim; Brignone Massimo; Invernizzi Marco; Bonfiglio Andrea; Procopio Renato

? Keywords: Energy Management System | Photovoltaic Forecasting | Receding Horizon Procedure | Recurrent Neural Network

? Source Id: 21101340466

? Author Ids: 57434749400;57201246575;8580886100;6701527755;36607521000;7801615894

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

? Corresponding: Fata A.L.

6.

? Title: Relating transmission line overvoltages and lightning location: a machine learning?based procedure

? Venue: COMPEL the International Journal for Computation and Mathematics in Electrical and Electronic Engineering

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? Doi: 10.1108/Compel-12-2024-0521

? Scopus ID: 2-s2.0-105017492972

? Issn: 03321649

? Authors: Barmada Sami; Dodge Shayan; Brignone Massimo; Nicora Martino; Procopio Renato

? Keywords: Lightning location | Lightning-induced voltage | Machine learning | Transmission lines

? Quartile:

2025:

? Applied Mathematics (Q2, rank 262, percentile 61)

? Computational Theory and Mathematics (Q2, rank 93, percentile 54)

? Electrical and Electronic Engineering (Q2, rank 486, percentile 51)

? Computer Science Applications (Q3, rank 541, percentile 44)

? Source Id: 28454

? Author Ids: 7004111796;59426639600;8580886100;57210463204;7801615894

? Authoraffiliationids: 60028868;60028868;60025153;60025153;60025153

? Corresponding: Barmada S.

7.

? 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.

8.

? Title: Cost Optimization Incorporating Photovoltaic Power Forecasts Using Neural Networks in an Energy Management System
? Venue: IEEE Conference on Technologies for Sustainability Sustech
? Year: 2025
? Type: Journal
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/SusTech63138.2025.11025673
? Scopus ID: 2-s2.0-105013073009
? Issn: 26406829
? eISSN: 26406810
? Issue: 2025
? Authors: Amin M. Asim; La Fata Alice; Brignone Massimo; Invernizzi Marco; Procopio Renato; Petronijevic Milutin; Mitic Ivana Radonjic
? Keywords: Energy Management System | Photovoltaic Forecasting | Receding Horizon Procedure | Recurrent Neural Network
? Quartile:
2025:
? Control and Optimization (Q4, rank 169, percentile 4)
? Energy Engineering and Power Technology (Q4, rank 315, percentile 3)
? Renewable Energy, Sustainability and the Environment (Q4, rank 308, percentile 1)
? Source Id: 21101320220
? Author Ids:
57201246575;57434749400;8580886100;6701527755;7801615894;14422928500;57208649613
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60068806;60068806
? Corresponding: Amin M.A.

9.

? 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.

10.

? 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 Aur^llio 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.

11.

? 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.

12.

? Title: An energy management system to schedule the optimal participation to electricity markets and a statistical analysis of the bidding strategies over long time horizons

? Venue: Renewable Energy

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 14

? DOI: 10.1016/j.renene.2024.120617

? Scopus ID: 2-s2.0-85193055806

? Issn: 09601481

? eISSN: 18790682

? Volume: 228

? Authors: La Fata Alice; Brignone Massimo; Procopio Renato; Bracco Stefano; Delfino Federico; Barbero Giulia; Barilli Riccardo

? Keywords: Ancillary Services | Electricity Market | Energy Management System | Mixed Integer Linear Programming | Renewable Energy Sources

? Quartile:

2025:

? Engineering (all) (Q1, rank 9, percentile 97)

? Renewable Energy, Sustainability and the Environment (Q1, rank 31, percentile 90)

2024:

? Engineering (all) (Q1, rank 7, percentile 98)

? Renewable Energy, Sustainability and the Environment (Q1, rank 28, percentile 90)

? Source Id: 27569

? Author Ids:

57434749400;8580886100;7801615894;15049159900;6603766602;57194587672;57889358800

? Authoraffiliationids:

60025153;60025153;60025153;60025153;130476516;130476516

? Corresponding: La Fata A.

13.

? Title: Lightning Location and Peak Current Estimation From Lightning-Induced Voltages on Transmission Lines With a Machine Learning Approach

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 9

? Doi: 10.1109/Temc.2024.3375452

? Scopus ID: 2-s2.0-85189165708

? Issn: 00189375

? eISSN: 1558187X

? Volume: 66

? Issue: 3

? Pages: 890-899

? Authors: Nicora Martino; Tucci Mauro; Barmada Sami; Brignone Massimo; Procopio Renato

? Keywords: lightning location | Lightning-induced effects | machine learning (ML) | neural networks (NNs) | transients on transmission 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)

2024:

? Condensed Matter Physics (Q2, rank 127, percentile 71)

? Electrical and Electronic Engineering (Q2, rank 281, percentile 71)

? Atomic and Molecular Physics, and Optics (Q2, rank 76, percentile 67)

? Source Id: 26051

? Author Ids: 57210463204;15844640300;7004111796;8580886100;7801615894

? Authoraffiliationids: 60025153;60028868;60028868;60025153;60025153

? Corresponding: Nicora M.

14.

? 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.

15.

? Title: Neural Network Based Procedure for Lightning Localization

? Venue: Iclp 2024 37th International Conference on Lightning Protection

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Scopus ID: 2-s2.0-85215679121

? Pages: 938-942

? Authors: Barmada Sami; Tucci Mauro; Brignone Massimo; Nicora Martino; Procopio Renato

? Source Id: 21101270624

? Author Ids: 7004111796;15844640300;8580886100;57210463204;7801615894

? Authoraffiliationids: 60028868;60028868;60025153;60025153;60025153

? Corresponding: Barmada S.

16.

? Title: On the Use of Lightning Location System Data to Evaluate the Lightning Performance of Overhead Distribution Lines

? Venue: Iclp 2024 37th International Conference on Lightning Protection

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Scopus ID: 2-s2.0-85215679023

? Pages: 626-632

? Authors: Nicora Martino; Mestiner Daniele; Brignone Massimo; Procopio Renato; Bernardi Marina; Fiori Elisabetta; Piantini Alexandre

? Source Id: 21101270624

? Author Ids:

57210463204;59523315700;8580886100;7801615894;56269310700;35229110700;56045386400

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60083358;60081917;60008088
? Corresponding: Nicora M.

17.

? 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.

18.

? 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.

19.

? 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; Molfino 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.

20.

? 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;7006280562;7201682529

? Authoraffiliationids:

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

? Corresponding: Aramini R.

21.

? 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.

22.

? 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.

23.

? 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;60025153
? Corresponding: La Fata A.

24.

? Title: A Simulator for Long Term Planning and Real Time Scheduling of Polygenerative Microgrids
? Venue: 2023 IEEE Belgrade Powertech Powertech 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? DOI: 10.1109/PowerTech55446.2023.10202738
? Scopus ID: 2-s2.0-85219490938
? Authors: La Fata Alice; Brignone Massimo; Procopio Renato; Bracco Stefano; Delfino Federico; Barilli Riccardo; Ravasi Martina; Zanellini Fabio; Petronijevic Milutin

? Keywords: Demand Response | Energy Management System | Mixed Integer Linear Programming | Renewable Energy | Storage systems
? Source Id: 21101192776
? Author Ids: 57434749400;8580886100;7801615894;15049159900;6603766602;57889358800;57936785100;12645996400;14422928500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;128573362;128573362;128573362;60068806
? Corresponding: La Fata A.

25.

? 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.

26.

? 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.

27.

? 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.

28.

? 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.

29.

? 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.

30.

? 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.

31.

? 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.

32.

? Title: An efficient Energy Management System for long term planning and real time scheduling of flexible polygeneration systems
? Venue: Renewable Energy
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 25
? DOI: 10.1016/j.renene.2022.10.030
? Scopus ID: 2-s2.0-85140341631
? Issn: 09601481
? eISSN: 18790682

? Volume: 200
? Pages: 1180-1201
? Authors: La Fata Alice; Brignone Massimo; Procopio Renato; Bracco Stefano; Delfino Federico; Barilli Riccardo; Ravasi Martina; Zanellini Fabio
? Keywords: Energy management system | Mixed integer linear programming | Renewable energy source polygeneration
? Quartile:
2025:
? Engineering (all) (Q1, rank 9, percentile 97)
? Renewable Energy, Sustainability and the Environment (Q1, rank 31, percentile 90)
2022:
? Renewable Energy, Sustainability and the Environment (Q1, rank 23, percentile 90)
? Source Id: 27569
? Author Ids: 57434749400;8580886100;7801615894;15049159900;6603766602;57889358800;57936785100;12645996400
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;128573362;128573362;128573362
? Corresponding: La Fata A.

33.

? 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.

34.

? 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.

35.

? 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.

36.

? 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.

37.

? 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.

38.

? 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.

39.

? 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.

40.

? 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.

41.

? Title: Distributed control for polygeneration microgrids: A Dynamic Market Mechanism approach

? Venue: Control Engineering Practice

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 17

? DOI: 10.1016/j.conengprac.2021.105052

? Scopus ID: 2-s2.0-85122626185

? Issn: 09670661
? Volume: 121
? Authors: Nudell Thomas R.; Brignone Massimo; Robba Michela; Bonfiglio Andrea; Ferro Giulio; Delfino Federico; Annaswamy Anuradha M.
? Keywords: Combined heat and power | Dynamic Market Mechanism | Microgrid | Transactive control
? Quartile:
2025:
? Applied Mathematics (Q1, rank 28, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 143, percentile 85)
? Control and Systems Engineering (Q1, rank 58, percentile 84)
? Computer Science Applications (Q1, rank 171, percentile 82)
2022:
? Applied Mathematics (Q1, rank 17, percentile 97)
? Computer Science Applications (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 89, percentile 88)
? Control and Systems Engineering (Q1, rank 35, percentile 87)
? Source Id: 18174
? Author Ids:
55846033800;8580886100;7004979187;36607521000;57062015700;6603766602;35569822700
? Authoraffiliationids: 117801940;60025153;60025153;60025153;60025153;60025153;60140949
? Corresponding: Nudell T.R.

42.

? Title: Simulation and design of a large thermal storage system: Real data analysis of a smart polygeneration micro grid system
? Venue: Applied Thermal Engineering
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 14
? DOI: 10.1016/j.applthermaleng.2021.117789
? Scopus ID: 2-s2.0-85119658170
? Issn: 13594311
? Volume: 201
? Authors: Memme Samuele; Boccalatte Alessia; Brignone Massimo; Delfino Federico; Fossa Marco
? Keywords: Carbon emissions reductions | Energy management | Renewable energy | Smart grid | Thermal energy storage
? Quartile:
2025:
? Mechanical Engineering (Q1, rank 56, percentile 92)
? Fluid Flow and Transfer Processes (Q1, rank 8, percentile 92)
? Industrial and Manufacturing Engineering (Q1, rank 46, percentile 88)
? Energy Engineering and Power Technology (Q1, rank 47, percentile 85)
2022:
? Fluid Flow and Transfer Processes (Q1, rank 2, percentile 98)
? Mechanical Engineering (Q1, rank 24, percentile 96)
? Industrial and Manufacturing Engineering (Q1, rank 25, percentile 93)
? Energy Engineering and Power Technology (Q1, rank 22, percentile 91)
? Source Id: 13688
? Author Ids: 57221698320;57218212941;8580886100;6603766602;7003385604
? Authoraffiliationids: 60025153;60025153-127283392;60025153;60025153;60025153
? Corresponding: Memme S.

43.

? Title: Impact of the uncertainties of load and forecast of power production from renewables on the operating cost of a microgrid
? 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: 10
? DOI: 10.1109/EEEIC/ICPSEurope54979.2022.9854540
? Scopus ID: 2-s2.0-85219490624
? Authors: La Fata Alice; Signoretti Fabio; Brignone Massimo; Bracco Stefano
? Keywords: Energy Management System | Load Forecast | Microgrid | Renewable Energy Sources
? Source Id: 21101107964
? Author Ids: 57434749400;57889864500;8580886100;15049159900
? Authoraffiliationids: 60025153;60012162;60025153;60025153
? Corresponding: La Fata A.

44.

? Title: Impact of Considering Surger 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.

45.

? 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.

46.

? 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.

47.

? 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.

48.

? 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.

49.

? 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.

50.

? 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.

51.

? 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.

52.

? 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.

53.

? 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.

54.

? 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.

55.

? 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.

56.

? Title: A Review of Lightning Location Systems: Part I-Methodologies and Techniques

? 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: 9

? DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160534

? Scopus ID: 2-s2.0-85090425412

? Authors: La Fata Alice; Tosi Irene; Brignone Massimo; Procopio Renato; Delfino Federico

? Keywords: cloud-to-ground flashes | lightning | lightning location system

? Source Id: 21101021268

? Author Ids: 57434749400;57218846251;8580886100;7801615894;6603766602

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

? Corresponding: La Fata A.

57.

? 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.

58.

? 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.

59.

? Title: A geomorphological and hydrodynamic approach for beach safety and sea bathing risk estimation

? Venue: Science of the Total Environment

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 19

? DOI: 10.1016/j.scitotenv.2019.03.378

? Scopus ID: 2-s2.0-85063901206

? Issn: 00489697

? eISSN: 18791026

? Volume: 671

? Pages: 1214-1226

? Authors: Ferrari M.; Carpi L.; Pepe G.; Mucerino L.; Schiaffino C. F.; Brignone M.; Cevasco A.

? Keywords: Beach accessibility | Beach safety | Coastal hazard | Coastal management | Risk assessment

? Quartile:

2025:

? Pollution (Q1, rank 9, percentile 95)

? Environmental Engineering (Q1, rank 13, percentile 94)

? Waste Management and Disposal (Q1, rank 11, percentile 93)

? Environmental Chemistry (Q1, rank 11, percentile 93)

2019:

? Environmental Engineering (Q1, rank 10, percentile 92)

? Waste Management and Disposal (Q1, rank 10, percentile 90)

? Pollution (Q1, rank 13, percentile 89)

? Environmental Chemistry (Q1, rank 17, percentile 85)

? Source Id: 25349

? Author Ids:

24467729200;57204086763;55556030800;56006519500;6507757454;8580886100;36978807900

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

? Corresponding: Ferrari M.

60.

? Title: Lightning protection of transmission lines: Analysis of lightning activity in Italian territory

? 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: 1

? Doi: 10.1109/Eeeic.2019.8783641

? Scopus ID: 2-s2.0-85070835523

? Authors: Nicora Martino; Brignone Massimo; Fiori Elisabetta; Rossi Mansueto; Procopio Renato; Delfino Federico

? Keywords: Channel-base current | Ground Flash Density | Lightning | Lightning measurements

? Source Id: 21100924363

? Author Ids: 57210463204;8580886100;35229110700;7403708681;7801615894;6603766602

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

? Corresponding: Nicora M.

61.

? 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.

62.

? Title: Welcome Message From: Tp Chairs

? 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: Editorial

? Citations: 0

? Doi: 10.1109/Eeeic.2019.8783776

? Scopus ID: 2-s2.0-85070791083

? Authors: Sandrolini Leonardo; Brignone Massimo

? Source Id: 21100924363

? Author Ids: 6508327262;8580886100

? Authoraffiliationids: 60028218;60025153

? Corresponding: Sandrolini L.

63.

? 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.

64.

? Title: Tuning and feasibility analysis of classical first-order MIMO non-linear sliding mode control design for industrial applications
 ? Venue: Machines
 ? Year: 2019
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 5
 ? DOI: 10.3390/machines7010010
 ? Scopus ID: 2-s2.0-85067605020
 ? eISSN: 20751702
 ? Volume: 7
 ? Issue: 1
 ? Authors: Palmieri Alessandro; Procopio Renato; Bonfiglio Andrea; Brignone Massimo; Invernizzi Marco; Morini Andrea; Veselic' Boban
 ? Keywords: Nonlinear systems control | Robust control | Sliding mode control | Uncertain systems
 ? Quartile:
 2025:
 ? Control and Optimization (Q1, rank 20, percentile 88)
 ? Mechanical Engineering (Q1, rank 165, percentile 77)
 ? Industrial and Manufacturing Engineering (Q2, rank 104, percentile 74)
 ? Electrical and Electronic Engineering (Q2, rank 256, percentile 74)
 ? Control and Systems Engineering (Q2, rank 105, percentile 72)
 ? Computer Science (miscellaneous) (Q2, rank 48, percentile 72)
 2019:
 ? Control and Optimization (Q2, rank 26, percentile 74)
 ? Industrial and Manufacturing Engineering (Q2, rank 92, percentile 73)
 ? Computer Science (miscellaneous) (Q2, rank 19, percentile 71)
 ? Mechanical Engineering (Q2, rank 184, percentile 68)
 ? Electrical and Electronic Engineering (Q2, rank 247, percentile 63)
 ? Control and Systems Engineering (Q2, rank 95, percentile 60)
 ? Source Id: 21100838145
 ? Author Ids:
 57201775084;7801615894;36607521000;8580886100;6701527755;7006658135;6602578334
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60068806
 ? Corresponding: Palmieri A.

65.

? Title: The University of Genoa Smart City Demo Site
? Venue: 2018 110th Aeit International Annual Conference Aeit 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.23919/Aeit.2018.8577374
? Scopus ID: 2-s2.0-85060314528
? Authors: Bracco Stefano; Brignone Massimo; Delfino Federico; Laiolo Paola; Procopio Renato
? Keywords: Energy Island | Living Lab | Smart City | Sustainability | Sustainable Energy
? Source Id: 21100895607
? Author Ids: 15049159900;8580886100;6603766602;56576462300;7801615894
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bracco S.

66.

? 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.

67.

? Title: Current and Field Modelling
? 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: 0
? Doi: 10.1109/Emcsi.2018.8495192
? Scopus ID: 2-s2.0-85056605309
? Authors: Rossi Mansueto; Brignone Massimo
? Source Id: 21100886130
? Author Ids: 7403708681;8580886100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Rossi M.

68.

? Title: The Field to Line Coupling Problem
? 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: 0
? Doi: 10.1109/Emcsi.2018.8495253
? Scopus ID: 2-s2.0-85056585628
? Authors: Brignone Massimo
? Source Id: 21100886130
? Author Ids: 8580886100
? Authoraffiliationids: 60025153
? Corresponding: Brignone M.

69.

? Title: An Optimization Model for Polygeneration Microgrids with Renewables, Electrical and Thermal Storage: Application to the Savona Campus
? 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: 12
? Doi: 10.1109/Eeeic.2018.8493965
? Scopus ID: 2-s2.0-85056538673
? Authors: Bracco Stefano; Brignone Massimo; Delfino Federico; Pampararo Fabio; Rossi Mansueto; Ferro Giulio; Robba Michela
? Keywords: Demand response | district heating | polygeneration microgrids | renewable energy | thermal storage
? Source Id: 21100885800
? Author Ids:
15049159900;8580886100;6603766602;36782697700;7403708681;57062015700;7004979187
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60121711;60121711
? Corresponding: Bracco S.

70.

? Title: Some Analytical Remarks on Sliding Mode Control for Multi-Input Multi-Output Nonlinear Systems
? 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: 4
? Doi: 10.1109/Eeeic.2018.8494007
? Scopus ID: 2-s2.0-85056537377
? Authors: Brignone Massimo; Invernizzi Marco; Lanzarotto Damiano; Palmieri Alessandro
? Keywords: control system tuning | MIMO | model based control | nonlinear systems | Sliding Mode control
? Source Id: 21100885800
? Author Ids: 8580886100;6701527755;57195070345;57201775084
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

71.

? 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.

72.

? 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.

73.

? Title: Modelling and simulating a thermal storage system for the Savona campus smart polygeneration micro grid
? Venue: Modelling Measurement and Control C

? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 2
? DOI: 10.18280/mmc-c.790304
? Scopus ID: 2-s2.0-85056883148
? Issn: 12595977
? Volume: 79
? Issue: 3
? Pages: 83-89
? Authors: Brignone Massimo; Delfino Federico; Devia Francesco; Fossa Marco; Pampararo Fabio
? Keywords: Optimization and control | Polygeneration | Smart grid | Thermal energy storage
? Source Id: 28531
? Author Ids: 8580886100;6603766602;9336269900;7003385604;36782697700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

74.

? Title: Assessment of skeletal tumor load in metastasized castration-resistant prostate cancer patients: A review of available methods and an overview on future perspectives
? Venue: Bioengineering
? Year: 2018
? Type: Journal
? Subtype: Review
? Citations: 4
? DOI: 10.3390/bioengineering5030058
? Scopus ID: 2-s2.0-85056794846
? eISSN: 23065354
? Volume: 5
? Issue: 3
? Authors: Fiz Francesco; Dittman Helmut; Campi Cristina; Morbelli Silvia; Marini Cecilia; Brignone Massimo; Bauckneht Matteo; Piva Roberta; Massone Anna Maria; Piana Michele; Sambuceti Gianmario; la Fougère Christian
? Keywords: Bone metastases | Bone scan | Computational analysis | mCRPC | PET-CT
? Quartile:
2025:
? Bioengineering (Q2, rank 64, percentile 62)
2018:
? Bioengineering (Q3, rank 81, percentile 42)
? Source Id: 21100886380
? Author Ids: 53463604700;7005030217;57793382700;24471961700;7103180663;8580886100;55617887700;56343222900;7003587058;35557405100;7005514155;10642092800
? Authoraffiliationids: 60022653-60003700;60022653;60027298;60025153;60021199;60025153;60025153;60025153;60021199-60025153;60021199-60025153;60025153;60022653
? Corresponding: Fiz F.

75.

? Title: Design criteria for the optimal sizing of integrated photovoltaic-storage systems
? Venue: Energy
? Year: 2018
? Type: Journal

? Subtype: Article
? Citations: 43
? DOI: 10.1016/j.energy.2018.02.056
? Scopus ID: 2-s2.0-85042350941
? Issn: 03605442
? Volume: 149
? Pages: 505-515
? Authors: Bendato Ilaria; Bonfiglio Andrea; Brignone Massimo; Delfino Federico; Pampararo Fabio; Procopio Renato; Rossi Mansueto
? Keywords: Economic analysis | Energy management | Optimal scheduling | Optimization | Smart grids

? Quartile:

2025:

? Modeling and Simulation (Q1, rank 4, percentile 99)
? Civil and Structural Engineering (Q1, rank 7, percentile 98)
? Mechanical Engineering (Q1, rank 19, percentile 97)
? Building and Construction (Q1, rank 7, percentile 97)
? Management, Monitoring, Policy and Law (Q1, rank 13, percentile 96)
? Electrical and Electronic Engineering (Q1, rank 34, percentile 96)
? Energy Engineering and Power Technology (Q1, rank 16, percentile 95)
? Pollution (Q1, rank 10, percentile 94)
? Industrial and Manufacturing Engineering (Q1, rank 23, percentile 94)
? Fuel Technology (Q1, rank 10, percentile 93)
? Energy (all) (Q1, rank 7, percentile 91)
? Renewable Energy, Sustainability and the Environment (Q1, rank 32, percentile 89)

2018:

? Civil and Structural Engineering (Q1, rank 5, percentile 98)
? Building and Construction (Q1, rank 5, percentile 97)
? Industrial and Manufacturing Engineering (Q1, rank 15, percentile 95)
? Mechanical Engineering (Q1, rank 26, percentile 95)
? Pollution (Q1, rank 9, percentile 92)
? Electrical and Electronic Engineering (Q1, rank 52, percentile 92)

? Source Id: 29348

? Author Ids:

56426374300;36607521000;8580886100;6603766602;36782697700;7801615894;7403708681

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

? Corresponding: Bendato I.

76.

? Title: A simple strategy to optimally design and manage a photovoltaic plant integrated with a storage system for different applications
? Venue: 2017 Aeit International Annual Conference Infrastructures for Energy and ICT Opportunities for Fostering Innovation Aeit 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.23919/Aeit.2017.8240515
? Scopus ID: 2-s2.0-85045936906
? Volume: 2017-January
? Pages: 1-6
? Authors: Bracco Stefano; Brignone Massimo; Delfino Federico; Girdinio Paola; Laiolo Paola; Procopio Renato; Rossi Mansueto
? Keywords: management | optimization | photovoltaic | planning | storage
? Source Id: 21100858105

? Author Ids:
15049159900;8580886100;6603766602;7003430835;56576462300;7801615894;7403708681
? Authoraffiliationids:
120591612;120591612;120591612-60025153;120591612;60025153;60025153;120591612
? Corresponding: Bracco S.

77.

? Title: The return stroke current attenuation function: Available models and identification methods from field measurements
? Venue: 2017 International Symposium on Lightning Protection Xiv Sipda 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Sipda.2017.8116959
? Scopus ID: 2-s2.0-85041341997
? Pages: 402-412
? Authors: Procopio Renato; Brignone Massimo
? Keywords: attenuation function | inverse problems | regularization techniques | return stroke
? Source Id: 21100849715
? Author Ids: 7801615894;8580886100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Procopio R.

78.

? Title: An energy management system for the savona campus smart polygeneration microgrid
? Venue: IEEE Systems Journal
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 62
? Doi: 10.1109/Jsysst.2015.2419273
? Scopus ID: 2-s2.0-85030477023
? Issn: 19328184
? eISSN: 19379234
? Volume: 11
? Issue: 3
? Pages: 1799-1809
? Authors: Bracco Stefano; Brignone Massimo; Delfino Federico; Procopio Renato
? Keywords: Energy management | energy storage | load flow (LF) | optimization methods | power generation dispatch
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 25, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 49, percentile 95)
? Control and Systems Engineering (Q1, rank 25, percentile 93)
? Computer Science Applications (Q1, rank 68, percentile 93)
? Information Systems (Q1, rank 35, percentile 93)
2017:
? Electrical and Electronic Engineering (Q1, rank 66, percentile 90)
? Control and Systems Engineering (Q1, rank 26, percentile 89)
? Source Id: 11300153734
? Author Ids: 15049159900;8580886100;6603766602;7801615894
? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bracco S.

79.

? 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.

80.

? Title: A Dynamic Market Mechanism for Combined Heat and Power Microgrid Energy Management

? Venue: IFAC Papersonline

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 14

? DOI: 10.1016/j.ifacol.2017.08.2040

? Scopus ID: 2-s2.0-85031822309

? eISSN: 24058963

? Volume: 50

? Issue: 1

? Pages: 10033-10039

? Authors: R Nudell Thomas; Brignone Massimo; Robba Michela; Bonfiglio Andrea; Delfino Federico; Annaswamy Anuradha

? Keywords: combined heat | dynamic market mechanism | Microgrid | power | transactive control

? Quartile:

2025:

? Control and Systems Engineering (Q3, rank 218, percentile 42)

2017:

? Control and Systems Engineering (Q3, rank 162, percentile 31)

? Source Id: 21100456158

? Author Ids: 55846033800;8580886100;7004979187;36607521000;6603766602;35569822700

? Authoraffiliationids: 60022195;60025153;60025153;60025153;60025153;60022195

? Corresponding: R Nudell T.

81.

? Title: Pros and cons of microwave imaging techniques for the reconstruction of velocity profiles of cylindrical targets in axial motion

? Venue: 2017 International Applied Computational Electromagnetics Society Symposium Italy Aces 2017

? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.23919/Ropaces.2017.7916391
? Scopus ID: 2-s2.0-85019998814
? Authors: Brignone Massimo; Pastorino Matteo; Raffetto Mirco; Randazzo Andrea
? Source Id: 21100817102
? Author Ids: 8580886100;7004880389;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

82.

? Title: Definition and on-field validation of a microgrid energy management system to manage load and renewables uncertainties and system operator requirements
? Venue: Electric Power Systems Research
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 31
? DOI: 10.1016/j.epsr.2017.02.008
? Scopus ID: 2-s2.0-85013822891
? Issn: 03787796
? Volume: 146
? Pages: 349-361
? Authors: Bendato Ilaria; Bonfiglio Andrea; Brignone Massimo; Delfino Federico; Pampararo Fabio; Procopio Renato
? Keywords: Energy management | Grid codes | Optimal scheduling | Optimization | Smart grids | Systems quality management
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)
2017:
? Energy Engineering and Power Technology (Q1, rank 24, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 98, percentile 85)
? Source Id: 16044
? Author Ids: 56426374300;36607521000;8580886100;6603766602;36782697700;7801615894
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bendato I.

83.

? 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.

84.

? Title: A real-time Energy Management System for the integration of economical aspects and system operator requirements: Definition and validation

? Venue: Renewable Energy

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 43

? DOI: 10.1016/j.renene.2016.10.061

? Scopus ID: 2-s2.0-84996656512

? Issn: 09601481

? eISSN: 18790682

? Volume: 102

? Pages: 406-416

? Authors: Bendato Ilaria; Bonfiglio Andrea; Brignone Massimo; Delfino Federico;

Pampararo Fabio; Procopio Renato

? Keywords: Energy management | Grid codes | Optimal scheduling | Optimization | Smart grids | Systems quality management

? Quartile:

2025:

? Engineering (all) (Q1, rank 9, percentile 97)

? Renewable Energy, Sustainability and the Environment (Q1, rank 31, percentile 90)

2017:

? Renewable Energy, Sustainability and the Environment (Q1, rank 17, percentile 89)

? Source Id: 27569

? Author Ids: 56426374300;36607521000;8580886100;6603766602;36782697700;7801615894

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

? Corresponding: Bendato I.

85.

? Title: Evaluation of Power System Lightning Performance-Part II: Application to an Overhead Distribution Network

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 55

? Doi: 10.1109/Temc.2016.2601657

? Scopus ID: 2-s2.0-85026732646

? Issn: 00189375

? Volume: 59

? Issue: 1

? Pages: 146-153

? Authors: Brignone Massimo; Delfino Federico; Procopio Renato; Rossi Mansueto; Rachidi Farhad

? Keywords: Monte Carlo methods | overvoltage protection | power distribution lines | power system lightning effects

? 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)

2017:

? Electrical and Electronic Engineering (Q1, rank 166, percentile 75)

? Atomic and Molecular Physics, and Optics (Q2, rank 51, percentile 70)

? Condensed Matter Physics (Q2, rank 120, percentile 69)

? Source Id: 26051

? Author Ids: 8580886100;6603766602;7801615894;7403708681;7003719604

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

? Corresponding: Brignone M.

86.

? Title: Evaluation of Power System Lightning Performance, Part I: Model and Numerical Solution Using the PSCAD-EMTDC Platform

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 77

? Doi: 10.1109/Temc.2016.2601640

? Scopus ID: 2-s2.0-84994045344

? Issn: 00189375

? Volume: 59

? Issue: 1

? Pages: 137-145

? Authors: Brignone Massimo; Delfino Federico; Procopio Renato; Rossi Mansueto; Rachidi Farhad

? Keywords: Induced voltage | lightning | lightning performance | multiconductor lines | power system simulator

? 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)

2017:

? Electrical and Electronic Engineering (Q1, rank 166, percentile 75)

? Atomic and Molecular Physics, and Optics (Q2, rank 51, percentile 70)

? Condensed Matter Physics (Q2, rank 120, percentile 69)

? Source Id: 26051

? Author Ids: 8580886100;6603766602;7801615894;7403708681;7003719604

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

? Corresponding: Brignone M.

87.

? 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.

88.

? Title: Optimal thermal power production by means of an equivalent electric circuit for a thermal network: The Savona Campus Smart Polygeneration Microgrid case

? Venue: lisa 2016 7th International Conference on Information Intelligence Systems and Applications

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1109/lisa.2016.7785394

? Scopus ID: 2-s2.0-85013191629

? Authors: Brignone Massimo; Delfino Federico; Fichera Matteo; Procopio Renato; Barillari Luca; Nilberto Alessandro

? Keywords: Energy Management | Optimization | Parameter Identification | Smart Cities | Smart grids | Thermal Networks

? Source Id: 21100795611

? Author Ids: 8580886100;6603766602;57193344538;7801615894;55568698600;9245207700

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

? Corresponding: Brignone M.

89.

? Title: A methodology to reduce the computational effort in the evaluation of the lightning performance of distribution networks

? Venue: Atmosphere

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 9

? DOI: 10.3390/atmos7110147

? Scopus ID: 2-s2.0-85000631157

? eISSN: 20734433

? Volume: 7

? Issue: 11

? Authors: Bendato Ilaria; Brignone Massimo; Delfino Federico; Procopio Renato; Rachidi Farhad

? Keywords: Critical Flashover Voltage | Lightning performance | Monte Carlo method

? Quartile:

2025:

? Environmental Science (miscellaneous) (Q2, rank 95, percentile 66)

? Atmospheric Science (Q2, rank 54, percentile 64)

2016:

? Environmental Science (miscellaneous) (Q3, rank 35, percentile 44)

? Atmospheric Science (Q3, rank 64, percentile 38)

? Source Id: 15838

? Author Ids: 56426374300;8580886100;6603766602;7801615894;7003719604

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

? Corresponding: Bendato I.

90.

? Title: Experimental validation of PV Model uncertainties impact on microgrid EMS performances

? Venue: IEEE Power and Energy Society General Meeting

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Pesgm.2016.7741709

? Scopus ID: 2-s2.0-85002489746

? Issn: 19449925

? eISSN: 19449933

? Volume: 2016-November

? Authors: Annaswamy A.; Nudell T.; Allais M.; Bonfiglio A.; Brignone M.; Cancemi C.; Delfino F.; Procopio R.; Robba M.

? Keywords: Energy Management Systems | Photovoltaic modeling | Smart Microgrids

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)

? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)

? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)

? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)

? Source Id: 20600195623

? Author Ids: 35569822700;55846033800;57192252463;36607521000;8580886100;57192254805;6603766602;7801615894;7004979187

? Authoraffiliationids:

60140949;60140949;60025153;60025153;60025153;60025153;60025153;60025153

? Corresponding: Annaswamy A.

91.

? Title: Further investigations on the capabilities of inverse scattering procedures to recover velocity profiles of cylinders moving in the axial direction

? Venue: Ist 2016 2016 IEEE International Conference on Imaging Systems and Techniques Proceedings

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Ist.2016.7738247

? Scopus ID: 2-s2.0-85004075873

? Pages: 335-340

? Authors: Brignone Massimo; Fedeli Alessandro; Gragnani Gian Luigi; Pastorino Matteo; Raffetto Mirco; Randazzo Andrea

? Source Id: 21100788403
? Author Ids: 8580886100;55512997500;6701681576;7004880389;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

92.

? Title: A first numerical assessment of the reliability of finite element simulators for time-harmonic electromagnetic problems involving rotating axisymmetric objects
? Venue: 2016 URSI International Symposium on Electromagnetic Theory EMTS 2016
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/URSI-EMTS.2016.7571520
? Scopus ID: 2-s2.0-84992070837
? Pages: 787-790
? Authors: Brignone Massimo; Ramakrishnan Praveen Kalarickel; Raffetto Mirco
? Source Id: 21100782626
? Author Ids: 8580886100;57076016200;6701772951
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Brignone M.

93.

? Title: Noise Limitations on the Recovery of Average Values of Velocity Profiles in Pipelines by Simple Imaging Systems
? Venue: IEEE Geoscience and Remote Sensing Letters
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 12
? Doi: 10.1109/LGRS.2016.2584703
? Scopus ID: 2-s2.0-84978886220
? ISSN: 1545598X
? Volume: 13
? Issue: 9
? Pages: 1340-1344
? Authors: Brignone Massimo; Gragnani Gian Luigi; Pastorino Matteo; Raffetto Mirco; Randazzo Andrea
? Keywords: Bianisotropic media | inverse scattering procedures | moving media | reconstruction of velocity profiles | time-harmonic electromagnetic scattering
? Quartile:
2025:
? Geotechnical Engineering and Engineering Geology (Q1, rank 22, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 90, percentile 91)
2016:
? Geotechnical Engineering and Engineering Geology (Q1, rank 4, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 76, percentile 88)
? Source Id: 17259
? Author Ids: 8580886100;6701681576;7004880389;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

94.

? Title: An algorithm for the semi-analytical computation of fields emitted in layered ground by HVDC electrodes
? Venue: 19th Power Systems Computation Conference PSCC 2016
? Year: 2016

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Pscc.2016.7540846
? Scopus ID: 2-s2.0-84986566081
? Authors: Brignone M.; Qombovani A. Karimi; Molino P.; Nervi M.
? Keywords: Electromagnetic fields | Grounding | HVDC transmission | Interpolation | Numerical simulation
? Source Id: 21100778001
? Author Ids: 8580886100;57191096618;7003420937;7003586072
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

95.

? Title: Regularization techniques for the high-frequency electromagnetic field coupling problem with terminated lines
? Venue: Journal of Engineering Mathematics
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1007/s10665-015-9782-1
? Scopus ID: 2-s2.0-84924544151
? Issn: 00220833
? eISSN: 15732703
? Volume: 96
? Issue: 1
? Pages: 73-93
? Authors: Brignone Massimo; Delfino Federico; Procopio Renato; Girdinio Paola
? Keywords: Electromagnetic coupling | Regularization theory | Terminated lines | Transmission line models
? Quartile:
2025:
? Mathematics (all) (Q1, rank 94, percentile 77)
? Engineering (all) (Q3, rank 181, percentile 47)
2016:
? Mathematics (all) (Q1, rank 82, percentile 75)
? Engineering (all) (Q2, rank 91, percentile 66)
? Source Id: 12485
? Author Ids: 8580886100;6603766602;7801615894;7003430835
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

96.

? Title: Energy management in hybrid systems coupling PV and electrical storage
? Venue: lisa 2015 6th International Conference on Information Intelligence Systems and Applications
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/lisa.2015.7388080
? Scopus ID: 2-s2.0-84963812827
? Authors: Brignone Massimo; Delfino Federico; Pampararo Fabio; Procopio Renato; Rossi Mansueto; Barillari Luca
? Keywords: energy efficiency | energy management | sustainable microgrids

? Source Id: 21100455695
? Author Ids: 8580886100;6603766602;36782697700;7801615894;7403708681;55568698600
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

97.

? Title: Definition and experimental validation of a simplified model for a microgrid thermal network and its integration into energy management systems
? Venue: Energies
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.3390/en9110914
? Scopus ID: 2-s2.0-85016131665
? eISSN: 19961073
? Volume: 9
? Issue: 11
? Authors: Bonfiglio Andrea; Brignone Massimo; Delfino Federico; Nilberto Alessandro; Procopio Renato
? Keywords: Energy management | Optimization algorithm | Parameter identification | Smart grids | Thermal network
? 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)
2016:
? Subject (Q1, rank 32, percentile 84)
? Energy Engineering and Power Technology (Q1, rank 37, percentile 80)
? Energy (miscellaneous) (Q2, rank 5, percentile 65)
? Renewable Energy, Sustainability and the Environment (Q2, rank 50, percentile 63)
? Source Id: 62932
? Author Ids: 36607521000;8580886100;6603766602;9245207700;7801615894
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.

98.

? Title: Reconstruction of velocity profiles of two-dimensional targets by an inverse scattering procedure based on a numerical forward solver
? Venue: 2015 1st Ursi Atlantic Radio Science Conference Ursi at Rasc 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Ursi-At-Rasc.2015.7302852
? Scopus ID: 2-s2.0-84959485934
? Authors: Brignone Massimo; Pastorino Matteo; Raffetto Mirco; Randazzo Andrea
? Source Id: 21100448536
? Author Ids: 8580886100;7004880389;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

99.

? Title: Reconstruction of non-constant velocity profiles in pneumatic pipelines by microwave inverse scattering techniques
? Venue: Proceedings of the 2015 International Conference on Electromagnetics in Advanced Applications Iceaa 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iceaa.2015.7297125
? Scopus ID: 2-s2.0-84955459853
? Pages: 309-312
? Authors: Brignone M.; Raffetto M.; Randazzo A.
? Keywords: Inverse problems | Noise measurement | Optimization | Permittivity | Scattering | Signal to noise ratio
? Source Id: 21100440505
? Author Ids: 8580886100;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Brignone M.

100.

? Title: An equivalent electric circuit for the thermal Network of the Savona Campus Smart Polygeneration Microgrid
? Venue: 2015 IEEE Eindhoven Powertech Powertech 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Ptc.2015.7232394
? Scopus ID: 2-s2.0-84951304251
? Authors: Barillari Luca; Bracco Stefano; Brignone Massimo; Delfino Federico; Pampararo Fabio; Pacciani Carola; Procopio Renato; Rossi Mansueto; Nilberto Alessandro
? Keywords: Energy Management | Optimization Algorithm | Parameter Identification | Smart grids | Thermal Network
? Source Id: 21100431809
? Author Ids: 55568698600;15049159900;8580886100;6603766602;36782697700;57016725100;7801615894;7403708681;9245207700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Barillari L.

101.

? Title: A two-step procedure for the energy management in smart microgrids accounting for economical and power quality issues
? Venue: 2015 IEEE 15th International Conference on Environment and Electrical Engineering Eeeic 2015 Conference Proceedings
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Eeeic.2015.7165194
? Scopus ID: 2-s2.0-84943153053
? Pages: 395-400
? Authors: Bonfiglio Andrea; Brignone Massimo; Delfino Federico; Girdinio Paola; Pampararo Fabio; Procopio Renato
? Keywords: energy management | optimal scheduling | optimization | power quality |

smart grids

? Source Id: 21100413842

? Author Ids: 36607521000;8580886100;6603766602;7003430835;36782697700;7801615894

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

? Corresponding: Bonfiglio A.

102.

? Title: Well posedness and finite element approximability of two-dimensional time-harmonic electromagnetic problems involving non-conducting moving objects with stationary boundaries

? Venue: ESAIM Mathematical Modelling and Numerical Analysis

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 12

? DOI: 10.1051/m2an/2015006

? Scopus ID: 2-s2.0-84935062210

? Issn: 28227840

? eISSN: 28047214

? Volume: 49

? Issue: 4

? Pages: 1157-1192

? Authors: Brignone Massimo; Raffetto Mirco

? Keywords: Bianisotropic media | Convergence of the approximation | Electromagnetic scattering | Finite element method | Moving media | Time-harmonic electromagnetic fields | Variational formulation | Well posedness

? Quartile:

2025:

? Analysis (Q1, rank 46, percentile 77)

? Applied Mathematics (Q2, rank 238, percentile 64)

? Numerical Analysis (Q2, rank 33, percentile 63)

? Computational Mathematics (Q2, rank 83, percentile 59)

? Modeling and Simulation (Q2, rank 171, percentile 54)

2015:

? Analysis (Q1, rank 8, percentile 93)

? Numerical Analysis (Q1, rank 6, percentile 86)

? Applied Mathematics (Q1, rank 61, percentile 85)

? Modeling and Simulation (Q1, rank 45, percentile 80)

? Source Id: 25956

? Author Ids: 8580886100;6701772951

? Authoraffiliationids: 60025153;60025153

? Corresponding: Brignone M.

103.

? Title: A receding-horizon approach for active and reactive power flows optimization in microgrids

? Venue: 2014 IEEE Conference on Control Applications Cca Part of 2014 IEEE Multi Conference on Systems and Control Msc 2014

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? Doi: 10.1109/Cca.2014.6981445

? Scopus ID: 2-s2.0-84920546202

? Pages: 867-872

? Authors: Bonfiglio A.; Bracco S.; Brignone M.; Delfino F.; Pampararo F.; Procopio R.;

Robba M.; Rossi M.

? Source Id: 21101060560

? Author Ids: 36607521000;15049159900;8580886100;6603766602;36782697700;7801615894;7004979187;7403708681

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60025153;60121711;60025153

? Corresponding: Bonfiglio A.

104.

? Title: An equivalent two-port model for a transmission line of finite length accounting for high-frequency effects

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2014

? Type: Journal

? Subtype: Article

? Citations: 9

? Doi: 10.1109/Temc.2014.2320986

? Scopus ID: 2-s2.0-84919929949

? Issn: 00189375

? Volume: 56

? Issue: 6

? Pages: 1657-1665

? Authors: Brignone Massimo; Delfino Federico; Procopio Renato; Rossi Mansueto

? Keywords: Full-wave analysis | high-frequency (HF) coupling | terminations | transmission line (TL) 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)

2014:

? Electrical and Electronic Engineering (Q1, rank 122, percentile 81)

? Atomic and Molecular Physics, and Optics (Q1, rank 34, percentile 78)

? Condensed Matter Physics (Q1, rank 92, percentile 76)

? Source Id: 26051

? Author Ids: 8580886100;6603766602;7801615894;7403708681

? Authoraffiliationids: 114853576;114853576;114853576;114853576

? Corresponding: Brignone M.

105.

? Title: A semi-analytical formula for the evaluation of the indirect lightning performance of overhead power lines

? Venue: IEEE International Symposium on Electromagnetic Compatibility

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1109/EMCEurope.2014.6930969

? Scopus ID: 2-s2.0-84908689173

? Issn: 10774076

? eISSN: 21581118

? Pages: 560-564

? Authors: Brignone Massimo; Delfino Federico; Procopio Renato; Rossi Mansueto; Rachidi Farhad

? Keywords: lightning performance | LIOV-EMTP | power quality | probability density functions

? Source Id: 17274
? Author Ids: 8580886100;6603766602;7801615894;7403708681;7003719604
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60028186
? Corresponding: Brignone M.

106.

? Title: Day ahead microgrid optimization: A comparison among different models
? Venue: Opt I 2014 1st International Conference on Engineering and Applied Sciences Optimization Proceedings
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 26
? Scopus ID: 2-s2.0-84911872204
? Pages: 1153-1165
? Authors: Bonfiglio A.; Barillari L.; Bendato I.; Bracco S.; Brignone M.; Delfino F.; Pampararo F.; Procopio R.; Robba M.; Rossi M.
? Keywords: Energy storage | Micorgrids | Optimal power flow | Smartgrids
? Source Id: 21100348502
? Author Ids: 36607521000;55568698600;56426374300;15049159900;8580886100;6603766602;36782697700;7801615894;7004979187;7403708681
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;;60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.

107.

? Title: Optimal control of active power flows in Smart Microgrids
? Venue: 2014 IEEE Innovative Smart Grid Technologies Asia Isgt Asia 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? DOI: 10.1109/ISGT-Asia.2014.6873853
? Scopus ID: 2-s2.0-84906674294
? Pages: 560-565
? Authors: Bonfiglio Andrea; Brignone Massimo; Delfino Federico; Pampararo Fabio; Procopio Renato; Rossi Mansueto; Robba Michela; Bracco Stefano
? Keywords: Microgrid | Optimal Control | Optimization | Power Systems | Renewable Energy Soureces (RES)
? Source Id: 21100332188
? Author Ids: 36607521000;8580886100;6603766602;36782697700;7801615894;7403708681;7004979187;15049159900
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.

108.

? Title: Optimal control and operation of grid-connected photovoltaic production units for voltage support in medium-voltage networks
? Venue: IEEE Transactions on Sustainable Energy
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 110
? Doi: 10.1109/Tste.2013.2280811
? Scopus ID: 2-s2.0-84890947343
? Issn: 19493029

- ? Volume: 5
? Issue: 1
? Pages: 254-263
? Authors: Bonfiglio Andrea; Brignone Massimo; Delfino Federico; Procopio Renato
? Keywords: Distributed generation | Feedback Linearization (FBL) | Losses reduction | Photovoltaic (PV) power | Pulsewidth modulation (PWM) inverter control | Voltage profile | Voltage support
? Quartile:
2025:
? Renewable Energy, Sustainability and the Environment (Q1, rank 20, percentile 93)
2014:
? Renewable Energy, Sustainability and the Environment (Q1, rank 9, percentile 92)
? Source Id: 19700177027
? Author Ids: 36607521000;8580886100;6603766602;7801615894
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.
109.
? Title: An optimization algorithm for the operation planning of the University of Genoa smart polygeneration microgrid
? Venue: Proceedings of Irep Symposium Bulk Power System Dynamics and Control Ix Optimization Security and Control of the Emerging Power Grid Irep 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 35
? Doi: 10.1109/Irep.2013.6629397
? Scopus ID: 2-s2.0-84890466863
? Authors: Bonfiglio Andrea; Barillari Luca; Brignone Massimo; Delfino Federico; Pampararo Fabio; Procopio Renato; Rossi Mansueto; Bracco Stefano; Robba Michela
? Source Id: 21100275408
? Author Ids: 36607521000;55568698600;8580886100;6603766602;36782697700;7801615894;7403708681;15049159900;7004979187
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.
110.
? Title: First results on the reliability of finite element simulators for the solution of time-harmonic electromagnetic problems involving moving objects with stationary boundaries
? Venue: Proceedings of the 2013 International Conference on Electromagnetics in Advanced Applications Iceaa 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Iceaa.2013.6632212
? Scopus ID: 2-s2.0-84888338728
? Pages: 159-162
? Authors: Brignone M.; Raffetto M.
? Source Id: 21100268402
? Author Ids: 8580886100;6701772951
? Authoraffiliationids: 60025153;60025153
? Corresponding: Brignone M.
- 111.

? Title: A free software for sand and gravel embayed beach modelling: PhoEbuS-parabolic equation shape
? Venue: Earth Science Informatics
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.1007/s12145-013-0122-6
? Scopus ID: 2-s2.0-84882906631
? Issn: 18650473
? eISSN: 18650481
? Volume: 6
? Issue: 3
? Pages: 165-173
? Authors: Schiaffino Chiara F.; Brignone Massimo; Ferrari Marco
? Keywords: Embayed beaches | Graphic display | Gravel beaches | Parabolic bay shape equation | Sand beaches
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q1, rank 41, percentile 79)
2013:
? Earth and Planetary Sciences (all) (Q2, rank 65, percentile 61)
? Source Id: 14500154730
? Author Ids: 6507757454;8580886100;24467729200
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Schiaffino C.

112.

? Title: An optimisation approach to multiprobe cryosurgery planning
? Venue: Computer Methods in Biomechanics and Biomedical Engineering
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 22
? Doi: 10.1080/10255842.2011.643469
? Scopus ID: 2-s2.0-84885656649
? Issn: 10255842
? eISSN: 14768259
? Volume: 16
? Issue: 8
? Pages: 885-895
? Authors: Giorgi Giovanni; Avalue Leopoldo; Brignone Massimo; Piana Michele; Caviglia Giacomo
? Keywords: ant colony optimisation | cryosurgery planning | Euler-Galerkin method
? Quartile:
2025:
? Computer Science Applications (Q2, rank 393, percentile 59)
? Biomedical Engineering (Q3, rank 171, percentile 48)
? Human-Computer Interaction (Q3, rank 103, percentile 46)
? Bioengineering (Q3, rank 106, percentile 37)
2013:
? Computer Science Applications (Q3, rank 289, percentile 40)
? Biomedical Engineering (Q3, rank 108, percentile 37)
? Subject (Q3, rank 2097, percentile 35)
? Human-Computer Interaction (Q3, rank 56, percentile 30)

? Bioengineering (Q3, rank 93, percentile 26)
? Source Id: 17954
? Author Ids: 50261642100;55933259900;8580886100;35557405100;7003418426
? Authoraffiliationids: 60025153;114001793;60107402;60025153-60021199;60025153
? Corresponding: Giorgi G.

113.

? Title: Application of the inhomogeneous Lippmann-Schwinger equation to inverse scattering problems
? Venue: SIAM Journal on Applied Mathematics
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 21
? Doi: 10.1137/120869584
? Scopus ID: 2-s2.0-84876254518
? Issn: 00361399
? Volume: 73
? Issue: 1
? Pages: 212-231
? Authors: Giorgi Giovanni; Brignone Massimo; Aramini Riccardo; Piana Michele
? Keywords: Hybrid methods | Inverse scattering | Lippmann-Schwinger equation
? Quartile:
2025:
? Applied Mathematics (Q2, rank 177, percentile 73)
2013:
? Applied Mathematics (Q2, rank 112, percentile 72)
? Source Id: 26404
? Author Ids: 50261642100;8580886100;15759187700;35557405100
? Authoraffiliationids: 60025153;60107402;60025153;60025153-60105685
? Corresponding: Giorgi G.

114.

? Title: Metformin temporal and localized effects on gut glucose metabolism assessed using 18F-FDG PET in mice
? Venue: Journal of Nuclear Medicine
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 51
? DOI: 10.2967/jnumed.112.106666
? Scopus ID: 2-s2.0-84873553761
? Issn: 01615505
? Volume: 54
? Issue: 2
? Pages: 259-266
? Authors: Massollo Michela; Marini Cecilia; Brignone Massimo; Emionite Laura; Salani Barbara; Riondato Mattia; Capitanio Selene; Fiz Francesco; Democrito Alessia; Amaro Adriana; Morbelli Silvia; Piana Michele; Maggi Davide; Cilli Michele; Pfeffer Ulrich; Sambuceti Gianmario
? Keywords: AMPK | GI tract | Metformin | Positron emission tomography | TXNIP
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q1, rank 12, percentile 96)
2013:
? Radiology, Nuclear Medicine and Imaging (Q1, rank 6, percentile 97)

- ? Subject (Q1, rank 256, percentile 92)
 ? Source Id: 17230
 ? Author Ids: 26326411000;7103180663;8580886100;54932911600;8964542000;8965969300;37025588800;53463604700;55585349500;48061042900;24471961700;35557405100;35581976500;6701377273;7003630512;7005514155
 ? Authoraffiliationids: 60003700;60021199;60003700;60107402;60107402;60003700;60003700;60003700;60003700;60025153;60003700;60025153;60107402;60107402;60025153;60003700
 ? Corresponding: Massollo M.
115.
 ? Title: Estimate of FDG excretion by means of compartmental analysis and ant colony optimization of nuclear medicine data
 ? Venue: Computational and Mathematical Methods in Medicine
 ? Year: 2013
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 11
 ? Doi: 10.1155/2013/793142
 ? Scopus ID: 2-s2.0-84885646327
 ? Issn: 1748670x
 ? eISSN: 17486718
 ? Volume: 2013
 ? Authors: Garbarino Sara; Caviglia Giacomo; Brignone Massimo; Massollo Michela; Sambuceti Gianmario; Piana Michele
 ? Quartile:
 2013:
 ? Biochemistry, Genetics and Molecular Biology (all) (Q3, rank 128, percentile 29)
 ? Medicine (all) (Q3, rank 2271, percentile 29)
 ? Applied Mathematics (Q3, rank 287, percentile 28)
 ? Modeling and Simulation (Q3, rank 155, percentile 27)
 ? Immunology and Microbiology (all) (Q4, rank 35, percentile 15)
 ? Source Id: 11000153760
 ? Author Ids: 55884894500;7003418426;8580886100;26326411000;7005514155;35557405100
 ? Authoraffiliationids:
 60025153-60105685;60025153;60025153;60107402;60025153;60025153-60105685
 ? Corresponding: Garbarino S.
116.
 ? Title: A technique for the optimal control and operation of grid-connected photovoltaic production units
 ? Venue: Proceedings of the Universities Power Engineering Conference
 ? Year: 2012
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 26
 ? Doi: 10.1109/Upec.2012.6398657
 ? Scopus ID: 2-s2.0-84872875108
 ? Authors: Bonfiglio A.; Brignone M.; Delfino F.; Invernizzi M.; Pampararo F.; Procopio R.
 ? Keywords: Feedback Linearization | Generated Distribution | Losses Reduction | Photovoltaic Power | PWM Inverter Control | Voltage Profile | Voltage Support
 ? Source Id: 69722
 ? Author Ids: 36607521000;8580886100;6603766602;6701527755;36782697700;7801615894
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
 ? Corresponding: Bonfiglio A.
- 117.

? Title: The use of the regularization theory for the analysis of the field-to-line coupling problem
 ? Venue: IEEE International Symposium on Electromagnetic Compatibility
 ? Year: 2012
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 1
 ? DOI: 10.1109/EMCEurope.2012.6396724
 ? Scopus ID: 2-s2.0-84872514436
 ? Issn: 10774076
 ? eISSN: 21581118
 ? Authors: Brignone Massimo; Delfino Federico; Procopio Renato; Rossi Mansueto; Rachidi Farhad; Tkachenko Sergei
 ? Keywords: full wave analysis | high-frequency coupling | radiation effects | transmission line models
 ? Source Id: 17274
 ? Author Ids: 8580886100;6603766602;7801615894;7403708681;7003719604;57197218114
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60028186;60018362
 ? Corresponding: Brignone M.

118.

? Title: Intrabone transplant of cord blood stem cells establishes a local engraftment store: A functional PET/FDG study
 ? Venue: Journal of Biomedicine and Biotechnology
 ? Year: 2012
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 10
 ? Doi: 10.1155/2012/767369
 ? Scopus ID: 2-s2.0-84871829759
 ? Issn: 11107243
 ? eISSN: 11107251
 ? Volume: 2012
 ? Authors: Marini Cecilia; Podest` Marina; Massollo Michela; Capitanio Selene; Fiz Francesco; Morbelli Silvia; Brignone Massimo; Bacigalupo Andrea; Piana Michele; Frassoni Francesco; Sambuceti Gianmario
 ? Source Id: 15850
 ? Author Ids: 7103180663;7005828654;26326411000;37025588800;53463604700;24471961700;8580886100;7103315752;35557405100;7005144193;7005514155
 ? Authoraffiliationids: 60021199;60016041;60025153;60025153;60025153;60025153;60025153;60107402;60025153;60016041;60025153-100474232
 ? Corresponding: Marini C.

119.

? Title: A system for beach video-monitoring: Beachkeeper plus
 ? Venue: Computers and Geosciences
 ? Year: 2012
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 47
 ? DOI: 10.1016/j.cageo.2012.06.008
 ? Scopus ID: 2-s2.0-84866640750
 ? Issn: 00983004
 ? Volume: 49
 ? Pages: 53-61
 ? Authors: Brignone Massimo; Schiaffino Chiara F.; Isla Federico I.; Ferrari Marco

? Keywords: Beach management | Beach monitoring | Coastal evolution | Software | Video imaging

? Quartile:

2025:

? Computers in Earth Sciences (Q1, rank 10, percentile 87)

? Information Systems (Q1, rank 89, percentile 82)

2012:

? Information Systems (Q2, rank 65, percentile 69)

? Computers in Earth Sciences (Q2, rank 7, percentile 67)

? Source Id: 110327

? Author Ids: 8580886100;6507757454;35582601700;24467729200

? Authoraffiliationids: 60025153;60025153;60282145;60025153

? Corresponding: Brignone M.

120.

? Title: A regularization approach for high-frequency electromagnetic field-to-line coupling analysis

? Venue: Inverse Problems

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 3

? Doi: 10.1088/0266-5611/28/9/095001

? Scopus ID: 2-s2.0-84866315620

? Issn: 02665611

? eISSN: 13616420

? Volume: 28

? Issue: 9

? Authors: Brignone Massimo; Procopio Renato; Delfino Federico

? Quartile:

2025:

? Mathematical Physics (Q1, rank 21, percentile 77)

? Applied Mathematics (Q2, rank 200, percentile 70)

? Theoretical Computer Science (Q2, rank 58, percentile 57)

? Signal Processing (Q2, rank 83, percentile 57)

? Computer Science Applications (Q3, rank 495, percentile 49)

2012:

? Mathematical Physics (Q1, rank 3, percentile 94)

? Applied Mathematics (Q1, rank 46, percentile 88)

? Theoretical Computer Science (Q1, rank 22, percentile 81)

? Computer Science Applications (Q1, rank 100, percentile 78)

? Signal Processing (Q2, rank 19, percentile 73)

? Source Id: 28497

? Author Ids: 8580886100;7801615894;6603766602

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Brignone M.

121.

? Title: Estimating the whole bone-marrow asset in humans by a computational approach to integrated PET/CT imaging

? Venue: European Journal of Nuclear Medicine and Molecular Imaging

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 47

? DOI: 10.1007/s00259-012-2141-9

? Scopus ID: 2-s2.0-84865474262
? Issn: 16197070
? eISSN: 16197089
? Volume: 39
? Issue: 8
? Pages: 1326-1338
? Authors: Sambuceti Gianmario; Brignone Massimo; Marini Cecilia; Massollo Michela; Fiz Francesco; Morbelli Silvia; Buschiazzi Ambra; Campi Cristina; Piva Roberta; Massone Anna Maria; Piana Michele; Frassoni Francesco
? Keywords: Bone marrow imaging | Image processing | PET/CT
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q1, rank 9, percentile 97)
2012:
? Radiology, Nuclear Medicine and Imaging (Q1, rank 10, percentile 96)
? Subject (Q1, rank 299, percentile 90)
? Source Id: 16676
? Author Ids: 7005514155;8580886100;7103180663;26326411000;53463604700;24471961700;55345737700;57793382700;56343222900;7003587058;35557405100;7005144193
? Authoraffiliationids: 60003700-60021199-101550220;60003700-60025153;60021199;60003700;60003700-101550220;60003700;60003700;60002952;60003700;60105685;60025153-60105685;60016041
? Corresponding: Sambuceti G.

122.

? Title: Application of the parabolic bay shape equation to sand and gravel beaches on Mediterranean coasts: Reply to the comments of D.E. Reeve
? Venue: Coastal Engineering
? Year: 2012
? Type: Journal
? Subtype: Note
? Citations: 1
? DOI: 10.1016/j.coastaleng.2012.03.001
? Scopus ID: 2-s2.0-84858710151
? Issn: 03783839
? Volume: 65
? Pages: 11-15
? Authors: Schiaffino Chiara F.; Brignone Massimo; Ferrari Marco
? Quartile:
2025:
? Ocean Engineering (Q1, rank 13, percentile 89)
? Environmental Engineering (Q1, rank 50, percentile 78)
2012:
? Ocean Engineering (Q1, rank 3, percentile 97)
? Environmental Engineering (Q1, rank 16, percentile 83)
? Source Id: 15041
? Author Ids: 6507757454;8580886100;24467729200
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Schiaffino C.

123.

? Title: An effective approach for high-frequency electromagnetic field-to-line coupling analysis based on regularization techniques
? Venue: IEEE Transactions on Electromagnetic Compatibility
? Year: 2012
? Type: Journal

? Subtype: Article
? Citations: 25
? Doi: 10.1109/Temc.2012.2200297
? Scopus ID: 2-s2.0-84871377139
? Issn: 00189375
? Volume: 54
? Issue: 6
? Pages: 1289-1297
? Authors: Brignone Massimo; Delfino Federico; Procopio Renato; Rossi Mansueto; Rachidi Farhad; Tkachenko Sergey V.
? Keywords: Full-wave analysis | high-frequency coupling | radiation effects | transmission line 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)
2012:
? Electrical and Electronic Engineering (Q1, rank 90, percentile 85)
? Atomic and Molecular Physics, and Optics (Q1, rank 23, percentile 84)
? Condensed Matter Physics (Q1, rank 64, percentile 83)
? Source Id: 26051
? Author Ids: 8580886100;6603766602;7801615894;7403708681;7003719604;57197218114
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60028186;60018362
? Corresponding: Brignone M.

124.

? Title: Application of the parabolic bay shape equation to sand and gravel beaches on Mediterranean coasts
? Venue: Coastal Engineering
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 20
? DOI: 10.1016/j.coastaleng.2011.07.007
? Scopus ID: 2-s2.0-80052897013
? Issn: 03783839
? Volume: 59
? Issue: 1
? Pages: 57-63
? Authors: Schiaffino Chiara F.; Brignone Massimo; Ferrari Marco
? Keywords: Embayed beaches | Gravel beaches | Mediterranean coast | Parabolic bay shape equation | Sand beaches
? Quartile:
2025:
? Ocean Engineering (Q1, rank 13, percentile 89)
? Environmental Engineering (Q1, rank 50, percentile 78)
2012:
? Ocean Engineering (Q1, rank 3, percentile 97)
? Environmental Engineering (Q1, rank 16, percentile 83)
? Source Id: 15041
? Author Ids: 6507757454;8580886100;24467729200
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Schiaffino C.

125.

? Title: The linear sampling method in a lossy background: An energy perspective
? Venue: Inverse Problems in Science and Engineering
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1080/17415977.2011.565875
? Scopus ID: 2-s2.0-80052845544
? Issn: 17415977
? eISSN: 17415985
? Volume: 19
? Issue: 7
? Pages: 963-984
? Authors: Aramini R.; Brignone M.; Caviglia G.; Massa A.; Piana M.
? Keywords: Linear sampling method | Qualitative inverse scattering
? Quartile:
2011:
? Engineering (all) (Q2, rank 71, percentile 71)
? Applied Mathematics (Q3, rank 192, percentile 49)
? Computer Science Applications (Q3, rank 254, percentile 44)
? Source Id: 12424
? Author Ids: 15759187700;8580886100;7003418426;7005085831;35557405100
? Authoraffiliationids: 60015986;60025153;60025153;60015986;60025153-60105685
? Corresponding: Aramini R.

126.

? Title: Application of the no-sampling linear sampling method to breast cancer detection
? Venue: IEEE Transactions on Biomedical Engineering
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 40
? Doi: 10.1109/Tbme.2010.2055059
? Scopus ID: 2-s2.0-77956925740
? Issn: 00189294
? Volume: 57
? Issue: 10 Part 1
? Pages: 2525-2534
? Authors: Bozza Giovanni; Brignone Massimo; Pastorino Matteo
? Keywords: Breast cancer detection | Inverse scattering | Linear sampling method | Medical imaging | Microwave imaging
? Quartile:
2025:
? Biomedical Engineering (Q1, rank 68, percentile 79)
? Source Id: 16318
? Author Ids: 9740507100;8580886100;7004880389
? Authoraffiliationids: 60025153;60025153-60011264;60025153
? Corresponding: Bozza G.

127.

? Title: A visualization method for breast cancer detection using microwaves
? Venue: SIAM Journal on Applied Mathematics
? Year: 2010
? Type: Journal
? Subtype: Article

? Citations: 10
? Doi: 10.1137/090774720
? Scopus ID: 2-s2.0-77956257193
? Issn: 00361399
? Volume: 70
? Issue: 7
? Pages: 2509-2533
? Authors: Delbary F.; Brignone M.; Bozza G.; Aramini R.; Piana M.
? Keywords: Breast cancer detection | Inverse scattering | Microwave tomography | Reciprocity gap functional
? Quartile:
2025:
? Applied Mathematics (Q2, rank 177, percentile 73)
? Source Id: 26404
? Author Ids: 23994857800;8580886100;9740507100;15759187700;35557405100
? Authoraffiliationids: 60031514;60025153;60025153;60015986;60025153
? Corresponding: Delbary F.

128.

? Title: Crack detection in dielectric structures by a linear sampling approach
? Venue: International Journal of Signal and Imaging Systems Engineering
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 1
? Doi: 10.1504/Ijsise.2010.034996
? Scopus ID: 2-s2.0-77956257544
? Issn: 17480698
? eISSN: 17480701
? Volume: 3
? Issue: 2
? Pages: 73-80
? Authors: Bozza G.; Brignone M.; Pastorino M.; Piana M.; Randazzo A.
? Keywords: Crack detection | Imaging systems | Inverse scattering | Linear sampling method | Non-destructive testing
? Quartile:
2025:
? Control and Systems Engineering (Q2, rank 155, percentile 59)
? Electrical and Electronic Engineering (Q2, rank 409, percentile 59)
? Source Id: 19500157222
? Author Ids: 9740507100;8580886100;7004880389;35557405100;7006280562
? Authoraffiliationids:
60025153;60025153-106394475;60025153;106394475-60032256;60025153
? Corresponding: Bozza G.

129.

? Title: A fast and efficient microwave method for detecting dielectric and conducting bodies inside complex structures
? Venue: European Microwave Week 2009 Eumw 2009 Science Progress and Quality at Radiofrequencies Conference Proceedings 39th European Microwave Conference Eumc 2009
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Eumc.2009.5296252
? Scopus ID: 2-s2.0-72949090619

? Pages: 1618-1621
? Authors: Bozza G.; Brignone M.; Piana M.; Pastorino M.; Randazzo A.
? Source Id: 19500157491
? Author Ids: 9740507100;8580886100;35557405100;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bozza G.

130.

? Title: An inverse scattering based hybrid method for the measurement of the complex dielectric permittivities of arbitrarily shaped homogenous targets
? Venue: 2009 IEEE Instrumentation and Measurement Technology Conference I2mtc 2009
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/I2mtc.2009.5168544
? Scopus ID: 2-s2.0-70450105873
? Pages: 719-723
? Authors: Bozza Giovanni; Brignone Massimo; Pastorino Matteo; Piana Michele; Randazzov Andrea
? Source Id: 19400158531
? Author Ids: 9740507100;8580886100;7004880389;35557405100;7006280562
? Authoraffiliationids: 60025153;60032256;60025153;60083086;60025153
? Corresponding: Bozza G.

131.

? Title: Integration of linear sampling and newton-like schemes in inverse scattering
? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Aps.2009.5171684
? Scopus ID: 2-s2.0-71049193435
? Issn: 15223965
? Authors: Bozza G.; Brignone M.; Pastorino M.; Piana M.; Randazzo A.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)
? Source Id: 18719
? Author Ids: 9740507100;8580886100;7004880389;35557405100;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60032256;60025153
? Corresponding: Bozza G.

132.

? Title: A fully no-sampling formulation of the linear sampling method for three-dimensional inverse electromagnetic scattering problems
? Venue: Inverse Problems
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 23
? Doi: 10.1088/0266-5611/25/1/015014
? Scopus ID: 2-s2.0-62649097677
? Issn: 02665611
? eISSN: 13616420
? Volume: 25

? Issue: 1
? Authors: Brignone M.; Bozza G.; Aramini R.; Pastorino M.; Piana M.
? Quartile:
2025:
? Mathematical Physics (Q1, rank 21, percentile 77)
? Applied Mathematics (Q2, rank 200, percentile 70)
? Theoretical Computer Science (Q2, rank 58, percentile 57)
? Signal Processing (Q2, rank 83, percentile 57)
? Computer Science Applications (Q3, rank 495, percentile 49)
? Source Id: 28497
? Author Ids: 8580886100;9740507100;15759187700;7004880389;35557405100
? Authoraffiliationids: 60032256;60025153;60015986;60025153;60032256
? Corresponding: Brignone M.

133.

? Title: A linear sampling approach to crack detection in microwave imaging
? Venue: Ist 2008 IEEE Workshop on Imaging Systems and Techniques Proceedings
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 17
? Doi: 10.1109/Ist.2008.4659973
? Scopus ID: 2-s2.0-57849153473
? Pages: 222-226
? Authors: Bozza Giovanni; Brignone Massimo; Pastorino Matteo; Piana Michele; Randazzo Andrea
? Source Id: 14000156210
? Author Ids: 9740507100;8580886100;7004880389;35557405100;7006280562
? Authoraffiliationids: 60025153;60032256;60025153;60032256;60025153
? Corresponding: Bozza G.

134.

? Title: Hybrid approach to the inverse scattering problem by using ant colony optimization and no-sampling linear sampling
? Venue: 2008 IEEE International Symposium on Antennas and Propagation and Usnc Ursi National Radio Science Meeting Apsursi
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/Aps.2008.4619941
? Scopus ID: 2-s2.0-55649103006
? Authors: Brignone M.; Bozza G.; Randazzo A.; Aramini R.; Piana M.; Pastorino M.
? Source Id: 12600154756
? Author Ids: 8580886100;9740507100;7006280562;15759187700;35557405100;7004880389
? Authoraffiliationids: 60025153;60025153;60025153;60015986;60032256;60025153
? Corresponding: Brignone M.

135.

? Title: A hybrid approach to 3D microwave imaging by using linear sampling and ACO
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 61
? Doi: 10.1109/Tap.2008.929504
? Scopus ID: 2-s2.0-54249088049

? Issn: 0018926x
? Volume: 56
? Issue: 10
? Pages: 3224-3232
? Authors: Brignone Massimo; Bozza Giovanni; Randazzo Andrea; Piana Michele; Pastorino Matteo
? Keywords: Ant colony optimization (ACO) | Inverse scattering | Linear sampling method (LSM) | Stochastic methods
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 8580886100;9740507100;7006280562;35557405100;7004880389
? Authoraffiliationids: 60032256-60025153;60025153;60025153;60032256-60025153;60025153
? Corresponding: Brignone M.

136.

? Title: Evaluation of a nourishment programme with a webcam: The case of Levanto (La Spezia, Italy)
? Venue: Chemistry and Ecology
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1080/02757540801965407
? Scopus ID: 2-s2.0-47249137411
? Issn: 02757540
? eISSN: 10290370
? Volume: 24
? Issue: Suppl. 1
? Pages: 207-214
? Authors: Brignone M.; Corradi N.; Ferrari M.; Schiaffino C. F.
? Keywords: Beach nourishment | Coastal evolution | Liguria | Shoreline | Webcam system
? Quartile:
2025:
? Ecology, Evolution, Behavior and Systematics (Q1, rank 169, percentile 77)
? Ecology (Q2, rank 126, percentile 74)
? Earth and Planetary Sciences (all) (Q2, rank 53, percentile 73)
? Environmental Science (all) (Q2, rank 89, percentile 62)
? Source Id: 23407
? Author Ids: 8580886100;35579850000;24467729200;6507757454
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

137.

? Title: A new formulation of the linear sampling method: Spatial resolution and post-processing
? Venue: Journal of Physics Conference Series
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1088/1742-6596/124/1/012038
? Scopus ID: 2-s2.0-84871475530
? Issn: 17426588
? eISSN: 17426596

? Volume: 124
? Issue: 1
? Authors: Piana M.; Aramini R.; Brignone M.; Coyle J.
? Quartile:
2025:
? Physics and Astronomy (all) (Q4, rank 192, percentile 22)
? Source Id: 130053
? Author Ids: 35557405100;15759187700;8580886100;56207738300
? Authoraffiliationids: 60032256;60025153;60025153;60029216
? Corresponding: Piana M.

138.

? Title: On the use of the Reciprocity Gap Functional in inverse scattering with near-field data: An application to mammography
? Venue: Journal of Physics Conference Series
? Year: 2008
? Type: Conference Proceeding
? Subtype: Article
? Citations: 2
? Doi: 10.1088/1742-6596/135/1/012032
? Scopus ID: 2-s2.0-65249175563
? Issn: 17426588
? eISSN: 17426596
? Volume: 135
? Authors: Delbary Fabrice; Aramini Riccardo; Bozza Giovanni; Brignone Massimo; Piana Michele
? Quartile:
2025:
? Physics and Astronomy (all) (Q4, rank 192, percentile 22)
? Source Id: 130053
? Author Ids: 23994857800;15759187700;9740507100;8580886100;35557405100
? Authoraffiliationids: 60032256;60025153;60025153;60025153;60032256
? Corresponding: Delbary F.

139.

? Title: The use of the linear sampling method for obtaining super-resolution effects in Born approximation
? Venue: Journal of Computational and Applied Mathematics
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 15
? DOI: 10.1016/j.cam.2006.03.014
? Scopus ID: 2-s2.0-33847384977
? Issn: 03770427
? Volume: 203
? Issue: 1
? Pages: 145-158
? Authors: Brignone M.; Coyle J.; Piana M.
? Keywords: Born approximation | Inverse scattering problems | Iterative algorithms | Regularization
? Quartile:
2025:
? Applied Mathematics (Q1, rank 98, percentile 85)
? Computational Mathematics (Q1, rank 41, percentile 80)
? Source Id: 23847

? Author Ids: 8580886100;56207738300;35557405100

? Authoraffiliationids: 60025153;60029216;60032256

? Corresponding: Brignone M.

140.

? Title: Postprocessing of the linear sampling method by means of deformable models

? Venue: SIAM Journal on Scientific Computing

? Year: 2007

? Type: Journal

? Subtype: Article

? Citations: 11

? Doi: 10.1137/070701583

? Scopus ID: 2-s2.0-55349144133

? Issn: 10648275

? Volume: 30

? Issue: 5

? Pages: 2613-2634

? Authors: Aramini R.; Brignone M.; Coyle J.; Piana M.

? Keywords: Active contours | Inverse scattering | Linear sampling method | Regularization

? Quartile:

2025:

? Applied Mathematics (Q1, rank 118, percentile 82)

? Computational Mathematics (Q1, rank 51, percentile 75)

? Source Id: 26425

? Author Ids: 15759187700;8580886100;56207738300;35557405100

? Authoraffiliationids: 60025153;60025153;60029216;60032256

? Corresponding: Aramini R.

141.

? Title: The linear sampling method without sampling

? Venue: Inverse Problems

? Year: 2006

? Type: Journal

? Subtype: Article

? Citations: 41

? Doi: 10.1088/0266-5611/22/6/020

? Scopus ID: 2-s2.0-33846053140

? Issn: 02665611

? eISSN: 13616420

? Volume: 22

? Issue: 6

? Pages: 2237-2254

? Authors: Aramini R.; Brignone M.; Piana M.

? Quartile:

2025:

? Mathematical Physics (Q1, rank 21, percentile 77)

? Applied Mathematics (Q2, rank 200, percentile 70)

? Theoretical Computer Science (Q2, rank 58, percentile 57)

? Signal Processing (Q2, rank 83, percentile 57)

? Computer Science Applications (Q3, rank 495, percentile 49)

? Source Id: 28497

? Author Ids: 15759187700;8580886100;35557405100

? Authoraffiliationids: 60015986;60025153;60032256

? Corresponding: Aramini R.

142.

? Title: The use of constraints for solving inverse scattering problems: Physical optics and the linear sampling method
? Venue: Inverse Problems
? Year: 2005
? Type: Journal
? Subtype: Article
? Citations: 12
? Doi: 10.1088/0266-5611/21/1/013
? Scopus ID: 2-s2.0-13744262155
? Issn: 02665611
? Volume: 21
? Issue: 1
? Pages: 207-222
? Authors: Brignone Massimo; Piana Michele
? Quartile:
2025:
? Mathematical Physics (Q1, rank 21, percentile 77)
? Applied Mathematics (Q2, rank 200, percentile 70)
? Theoretical Computer Science (Q2, rank 58, percentile 57)
? Signal Processing (Q2, rank 83, percentile 57)
? Computer Science Applications (Q3, rank 495, percentile 49)
? Source Id: 28497
? Author Ids: 8580886100;35557405100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Brignone M.

143.

? Title: On the resolution of certain level algebras
? Venue: Communications in Algebra
? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 2
? Doi: 10.1081/Agb-200034029
? Scopus ID: 2-s2.0-22744452077
? Issn: 00927872
? Volume: 32
? Issue: 11
? Pages: 4221-4245
? Authors: Brignone Massimo; Valla Giuseppe
? Keywords: Graded Betti numbers | Level algebras | Lex-segment ideals | Minimal resolution
? Quartile:
2025:
? Algebra and Number Theory (Q3, rank 73, percentile 45)
? Source Id: 25800
? Author Ids: 8580886100;6601913236
? Authoraffiliationids: 60025153;60025153
? Corresponding: Brignone M.