

## PROCOPIO RENATO

### Overview

? Unit: ELE  
? Role: Professore ordinario  
? Grade: Prof.Ordinario Legge 240/10 - t.pieno - classe 0  
? SSD: IIND-08/B (Sistemi elettrici per l'energia)  
? Scopus ID: 7801615894  
? Unige Id: 700365  
? Retrieved at: 2025-11-14T15:15:48.577624

### Contact

? Email: renato.procopio@unige.it  
? Phone: +39 010 33 52721  
? Page: <https://rubrica.unige.it/personale/UkNHWFxs>  
? Locations: Campus di Savona - palazzina Delfino (ED171000105), piano Terra, US171000105.T.016

### Career

? Ru, 2012-05-01 ? 2015-03-08  
? Pa, 2015-03-09 ? 2024-10-31  
? Po, 2024-11-01 ? 2222-02-02

### Responsibilities

? Title: Delegato del Rettore  
? Unit: Universit  Degli Studi Di Genova  
? Period: 2025-11-01 ? 2026-10-31

### Teaching

#### 2025

? Sistemi Elettrici Industriali (86832), Lm-28 - Ingegneria Elettrica  
? Componenti E Sistemi Per La Produzione Elettrica (66320), L-9 - Ingegneria Dell'Energia  
? Power Systems Modelling And Control (65887), Lm-30 R - Energy Engineering  
? Electromagnetic Power System Transients (118102), Lm-28 - Electrical Engineering For Energy Transition

#### 2024

? Sistemi Elettrici Industriali (86832), Lm-28 - Ingegneria Elettrica  
? Sistemi Elettrici Industriali (86832), Lm-28 - Ingegneria Elettrica  
? Power Systems Modelling And Control (65887), Lm-30 - Energy Engineering  
? Componenti E Sistemi Per La Produzione Elettrica (66320), L-9 - Ingegneria Dell'Energia

#### 2023

? Sistemi Elettrici Industriali (86832), Lm-28 - Ingegneria Elettrica  
? Power Systems Modelling And Control (65887), Lm-30 - Energy Engineering  
? Componenti E Sistemi Per La Produzione Elettrica (66320), L-9 - Ingegneria Meccanica - Energia E Produzione

#### 2022

? Sistemi Elettrici Industriali (86832), Lm-28 - Ingegneria Elettrica  
? Power Systems Modelling And Control (65887), Lm-30 - Energy Engineering  
? Componenti E Sistemi Per La Produzione Elettrica (66320), L-9 - Ingegneria Meccanica - Energia E Produzione

2021

- ? Sistemi Elettrici Industriali (86832), Lm-28 - Ingegneria Elettrica
- ? Power Systems Modelling And Control (65887), Lm-30 - Energy Engineering
- ? Componenti E Sistemi Per La Produzione Elettrica (66320), L-9 - Ingegneria Meccanica - Energia E Produzione
- ? Cooperazione Allo Sviluppo (108849), Corsi Di Ateneo

2020

- ? Sistemi Elettrici Industriali (86832), Lm-28 - Ingegneria Elettrica
- ? Power Systems Modelling And Control (65887), Lm-30 - Energy Engineering
- ? Componenti E Sistemi Per La Produzione Elettrica (66320), L-9 - Ingegneria Meccanica - Energia E Produzione

#### Scopus Metrics

- ? absolute; Docs: 227; Journals: 113; Conferences: 113; Citations: 3266; H-index: 33
- ? 15 years (2010-2025); Docs: 190; Journals: 95; Conferences: 94; Citations: 2621; H-index: 31
- ? 10 years (2015-2025); Docs: 154; Journals: 81; Conferences: 73; Citations: 1881; H-index: 24
- ? 05 years (2020-2025); Docs: 97; Journals: 53; Conferences: 44; Citations: 730; H-index: 15

#### Scopus Products

1.

- ? Title: Effects of fly ash pollution on urban photovoltaic microgrid operation
- ? Venue: Renewable Energy
- ? Year: 2025
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 1
- ? DOI: 10.1016/j.renene.2025.123649
- ? Scopus ID: 2-s2.0-105007529304
- ? Issn: 09601481
- ? eISSN: 18790682
- ? Volume: 253
- ? Authors: Radonji? Ivana; Petronijevi? Milutin P.; Dimitrijevi? Marko A.; Minetti Manuela; Procopio Renato
- ? Keywords: Grid-forming inverter | Hybrid microgrid | PV module | Soiling | Urban photovoltaics
- ? Quartile:  
2025:
  - ? Engineering (all) (Q1, rank 9, percentile 97)
  - ? Renewable Energy, Sustainability and the Environment (Q1, rank 31, percentile 90)
- ? Source Id: 27569
- ? Author Ids: 55197295400;14422928500;44260946400;57210474295;7801615894
- ? Authoraffiliationids: 60068806;60068806;60068806;60025153;60025153
- ? Corresponding: Radonji? I.

2.

- ? Title: A Classification Algorithm for Revenue Range Estimation in Ancillary Service Markets
- ? Venue: Energies
- ? Year: 2025
- ? Type: Journal
- ? Subtype: Article

? Citations: 0  
? DOI: 10.3390/en18195263  
? Scopus ID: 2-s2.0-105019199697  
? eISSN: 19961073  
? Volume: 18  
? Issue: 19  
? Authors: La Fata Alice; Caprara Giulio; Barilli Riccardo; Procopio Renato  
? Keywords: ancillary service market | bidding strategy | pattern recognition  
? 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)  
? Source Id: 62932  
? Author Ids: 60145491200;57218844168;57889358800;7801615894  
? Authoraffiliationids: 60025153;133281163;133281163;60025153  
? Corresponding: La Fata A.

3.

? Title: Analytical load flow solution for radial distribution networks  
? Venue: Sustainable Energy Grids and Networks  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? DOI: 10.1016/j.segan.2025.101871  
? Scopus ID: 2-s2.0-105012395346  
? eISSN: 23524677  
? Volume: 43  
? Authors: Minetti Manuela; Procopio Renato; Bonfiglio Andrea  
? Keywords: Analytical load flow | Load flow analysis | Radial power distribution networks | Voltage drop formula  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 131, percentile 86)  
? Control and Systems Engineering (Q1, rank 52, percentile 86)  
? Energy Engineering and Power Technology (Q1, rank 63, percentile 80)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 71)  
? Source Id: 21100371258  
? Author Ids: 57210474295;7801615894;36607521000  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Minetti M.

4.

? Title: The Impact of Energy Communities Virtual Islanding on the Integration of Renewables in Distribution Power Systems  
? Venue: Energies  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? DOI: 10.3390/en18154084

? Scopus ID: 2-s2.0-105013092575  
? eISSN: 19961073  
? Volume: 18  
? Issue: 15  
? Authors: Bonfiglio Andrea; Bruno Sergio; La Fata Alice; Martino Maria; Procopio Renato; Velini Angelo  
? Keywords: distribution system operation | energy transition | grid services | renewable energy communities | Virtual Islanding  
? 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)  
? Source Id: 62932  
? Author Ids: 36607521000;7101968133;57434749400;59210049100;7801615894;59210230800  
? Authoraffiliationids: 60025153;60027299;60025153;60025153;60025153;60027299  
? Corresponding: Bonfiglio A.

5.

? Title: Optimal inertia allocation in future transmission networks: A case study on the Italian grid  
? Venue: Sustainable Energy Grids and Networks  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 3  
? DOI: 10.1016/j.segan.2025.101676  
? Scopus ID: 2-s2.0-86000324666  
? eISSN: 23524677  
? Volume: 42  
? Authors: Minetti Manuela; Fresia Matteo; Procopio Renato; Bonfiglio Andrea; Denegri Gio Battista; Lisciandrello Giuseppe; Orrì, Luca  
? Keywords: Grid Flexibilization | System Inertia | Transmission System  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 131, percentile 86)  
? Control and Systems Engineering (Q1, rank 52, percentile 86)  
? Energy Engineering and Power Technology (Q1, rank 63, percentile 80)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 71)  
? Source Id: 21100371258  
? Author Ids:  
57210474295;57224008583;7801615894;36607521000;7004649825;57219972273;57220190197  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60122257;60122257  
? Corresponding: Minetti M.

6.

? Title: Renewable energy communities virtual islanding: A decentralized service to improve distribution grid security  
? Venue: Sustainable Energy Grids and Networks  
? Year: 2025  
? Type: Journal  
? Subtype: Article

? Citations: 3  
? DOI: 10.1016/j.segan.2025.101700  
? Scopus ID: 2-s2.0-105001489606  
? eISSN: 23524677  
? Volume: 42  
? Authors: Velini Angelo; Minetti Manuela; Bruno Sergio; Bonfiglio Andrea; Procopio Renato; La Scala Massimo  
? Keywords: Distribution system operation | Energy transition | Grid services | Renewable energy communities | Virtual islanding  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 131, percentile 86)  
? Control and Systems Engineering (Q1, rank 52, percentile 86)  
? Energy Engineering and Power Technology (Q1, rank 63, percentile 80)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 71)  
? Source Id: 21100371258  
? Author Ids: 59210230800;57210474295;7101968133;36607521000;7801615894;56962766200  
? Authoraffiliationids: 60027299;60025153;60027299;60025153;60025153;60027299  
? Corresponding: Velini A.

7.

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

8.

? 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.

9.  
? Title: Soil water content and porosity impact on distribution lines lightning outage rate  
? Venue: Electrical Engineering  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? DOI: 10.1007/s00202-024-02870-2  
? Scopus ID: 2-s2.0-85211431164  
? Issn: 09487921  
? eISSN: 14320487  
? Volume: 107  
? Issue: 5  
? Pages: 6423-6433  
? Authors: Colqui Jaimis S.L.; Mestriner Daniele; Moura Rodolfo A.R.; Schroeder Marco Aur"lio O.; Procopio Renato; Pissolato Filho Jos"  
? Keywords: Distribution lines | Grounding modeling | Induced voltages | Lightning outage rate | Soil porosity | Soil water content | Surge arrester  
? Quartile:  
2025:  
? Applied Mathematics (Q1, rank 136, percentile 79)  
? Electrical and Electronic Engineering (Q2, rank 351, percentile 64)  
? Source Id: 16065  
? Author Ids: 57211901417;57115575100;56045547600;15064585600;7801615894;57212237824  
? Authoraffiliationids: 60029570;60025153;60028351;60028351;60025153;60029570  
? Corresponding: Colqui J.S.L.

10.  
? Title: A Gaussian Process Regression Method to Nowcast Cloud-To-Ground Lightning from Remote Sensing and Numerical Weather Modeling Data  
? Venue: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 10  
? Doi: 10.1109/Jstars.2024.3501976  
? Scopus ID: 2-s2.0-86000377434  
? Issn: 19391404  
? eISSN: 21511535  
? Volume: 18

? Pages: 1963-1981  
? Authors: La Fata Alice; Moser Gabriele; Procopio Renato; Bernardi Marina; Fiori Elisabetta  
? Keywords: Gaussian process regression | Lightning | nowcasting | numerical weather prediction | satellite infrared imagery | satellite precipitation radar  
? Quartile:  
2025:  
? Atmospheric Science (Q1, rank 19, percentile 87)  
? Computers in Earth Sciences (Q1, rank 11, percentile 86)  
? Source Id: 17700155033  
? Author Ids: 57434749400;7101795745;7801615894;56269310700;35229110700  
? Authoraffiliationids: 60025153;60025153;60025153;60083358;60081917  
? Corresponding: La Fata A.

11.

? Title: Exploring the role of Energy Communities: A Comprehensive Review  
? Venue: Energy Conversion and Management X  
? Year: 2025  
? Type: Journal  
? Subtype: Review  
? Citations: 3  
? DOI: 10.1016/j.ecmx.2025.100883  
? Scopus ID: 2-s2.0-85215245402  
? eISSN: 25901745  
? Volume: 25  
? Authors: Amin M. Asim; Procopio Renato; Invernizzi Marco; Bonfiglio Andrea; Jia Youwei  
? Keywords: Energy community | Energy decentralization | Machine learning | Microgrids | Renewable energy  
? Quartile:  
2025:  
? Nuclear Energy and Engineering (Q1, rank 6, percentile 93)  
? Energy Engineering and Power Technology (Q1, rank 41, percentile 87)  
? Fuel Technology (Q1, rank 27, percentile 80)  
? Renewable Energy, Sustainability and the Environment (Q1, rank 66, percentile 78)  
? Source Id: 21100896269  
? Author Ids: 57201246575;7801615894;6701527755;36607521000;55511359100  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60105683  
? Corresponding: Amin M.A.

12.

? Title: Impact of Inverter-Based Resources on Inertia Provision and RoCoF Limitation  
? Venue: 2025 IEEE Kiel Powertech Powertech 2025  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? DOI: 10.1109/PowerTech59965.2025.11180735  
? Scopus ID: 2-s2.0-105019295943  
? Authors: Fresia Matteo; Bonfiglio Andrea; Procopio Renato; Lisciandrello Giuseppe; Orr^, Luca; Pisani Cosimo  
? Keywords: Frequency support | Inverter-Based sources | Renewable energy sources | RoCoF | Synthetic inertia  
? Source Id: 21101341419  
? Author Ids: 57224008583;36607521000;7801615894;57219972273;57220190197;55370719100  
? Authoraffiliationids: 60025153;60025153;60025153;60122257;60122257;60122257

? Corresponding: Fresia M.

13.

? 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.

14.

? Title: Inverter-Based Nanogrid Design with Integration of Primary, Secondary and Tertiary Controls - A Case Study

? 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/ICPSEurope64998.2025.11168988

? Scopus ID: 2-s2.0-105019046195

? Authors: Fresia Matteo; Procopio Renato; Urazbayeva Anelya

? Keywords: Battery Energy Storage Systems | Hierarchical control | Mixed Integer Quadratically Constrained Programming | Nanogrids

? Source Id: 21101340466

? Author Ids: 57224008583;7801615894;60145442600

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Fresia M.

15.

? Title: A Microgrid Test-Bed Architecture for Integrated Energy Systems Experimental Testing

? 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/ICPSEurope64998.2025.11169197

? Scopus ID: 2-s2.0-105019039902

? Authors: Bonfiglio Andrea; Bracco Stefano; Procopio Renato; Robba Michela; Rossi

Mansueto

? Keywords: advanced control strategies | energy management systems | laboratory prototype | Microgrid

? Source Id: 21101340466

? Author Ids: 36607521000;15049159900;7801615894;7004979187;7403708681

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

? Corresponding: Bonfiglio A.

16.

? 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.

17.

? 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.

18.

? 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.

19.

? 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.

20.

? Title: Assessment of the Impact of HVDC Links on Frequency Containment Capacity in a Portion of the Italian Transmission Network  
? Venue: 2025 Aeit Hvdc International Conference Aeit Hvdc 2025  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper

? Citations: 0  
? Doi: 10.1109/Aeithvdc66044.2025.11079478  
? Scopus ID: 2-s2.0-105012574256  
? Authors: Bonfiglio Andrea; Fresia Matteo; Giannuzzi Giorgio Maria; Invernizzi Marco; Lisciandrello Giuseppe; Orr^, Luca; Pisani Cosimo; Procopio Renato; Rinzo Giovanni  
? Keywords: Frequency Containment | HVDC | Inverter-based Resources | Primary Frequency Regulation | Primary Regulating Energy  
? Source Id: 21101318126  
? Author Ids: 36607521000;57224008583;25936117900;6701527755;57219972273;57220190197;55370719100;7801615894;57201200193  
? Authoraffiliationids: 60025153;60025153;60122257;60025153;60122257;60122257;60122257;60025153;60122257  
? Corresponding: Bonfiglio A.

21.

? 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^lio 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.

22.

? 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.

23.

? Title: Vehicle-to-Home Service via Electric Vehicle Energy Storage Virtual Partitioning  
? Venue: IEEE Transactions on Industry Applications  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 5  
? Doi: 10.1109/Tia.2025.3556807  
? Scopus ID: 2-s2.0-105002620196  
? Issn: 00939994  
? eISSN: 19399367  
? Volume: 61  
? Issue: 5  
? Pages: 7790-7802  
? Authors: Bonfiglio Andrea; Minetti Manuela; Procopio Renato  
? Keywords: Electric storage | electric vehicles | energy transition | vehicle to home | virtual storage partitioning  
? Quartile:  
2025:  
? Control and Systems Engineering (Q1, rank 38, percentile 90)  
? Electrical and Electronic Engineering (Q1, rank 102, percentile 89)  
? Industrial and Manufacturing Engineering (Q1, rank 49, percentile 88)  
? Source Id: 17361  
? Author Ids: 36607521000;57210474295;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

24.

? Title: Frequency and voltage communication-less control for islanded AC microgrids: Experimental validation via rapid control prototyping  
? Venue: International Journal of Electrical Power and Energy Systems  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? DOI: 10.1016/j.ijepes.2024.110313  
? Scopus ID: 2-s2.0-85207651148  
? Issn: 01420615  
? Volume: 162  
? Authors: Rosini Alessandro; Petronijevi? Milutin; Filipovi? Filip; Bonfiglio Andrea; Procopio Renato  
? Keywords: Experimental Validation | Grid Feeding Inverters | Grid Forming Inverters |

Islanded Microgrids | Photovoltaic-Storage Systems | Sliding Mode Control

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 57, percentile 94)

? Energy Engineering and Power Technology (Q1, rank 25, percentile 92)

2024:

? Electrical and Electronic Engineering (Q1, rank 52, percentile 94)

? Energy Engineering and Power Technology (Q1, rank 27, percentile 91)

? Source Id: 17985

? Author Ids: 57204050700;14422928500;57209321092;36607521000;7801615894

? Authoraffiliationids: 60025153;60068806;60068806;60025153;60025153

? Corresponding: Rosini A.

25.

? 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;60025153;130476516;130476516

? Corresponding: La Fata A.

26.

? 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.

27.

? Title: Design, realization and testing of a synthetic inertia controller for wind turbine power generators  
? Venue: Sustainable Energy Grids and Networks  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 7  
? DOI: 10.1016/j.segan.2023.101234  
? Scopus ID: 2-s2.0-85183574846  
? eISSN: 23524677  
? Volume: 38  
? Authors: Bonfiglio Andrea; Lodi Matteo; Rosini Alessandro; Oliveri Alberto; Procopio Renato  
? Keywords: FPGA | Synthetic inertia | Wind turbine generator  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 131, percentile 86)  
? Control and Systems Engineering (Q1, rank 52, percentile 86)  
? Energy Engineering and Power Technology (Q1, rank 63, percentile 80)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 71)  
2024:  
? Electrical and Electronic Engineering (Q1, rank 122, percentile 87)  
? Control and Systems Engineering (Q1, rank 52, percentile 86)  
? Energy Engineering and Power Technology (Q1, rank 53, percentile 82)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 77, percentile 74)  
? Source Id: 21100371258  
? Author Ids: 36607521000;57200266678;57204050700;57200399832;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

28.

? Title: A Techno-Economic Assessment to Define Inertia Needs of the Italian Transmission Network in the 2030 Energy Scenario  
? Venue: IEEE Transactions on Power Systems

? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 17  
? Doi: 10.1109/Tpws.2023.3331178  
? Scopus ID: 2-s2.0-85177074761  
? Issn: 08858950  
? eISSN: 15580679  
? Volume: 39  
? Issue: 3  
? Pages: 5050-5061  
? Authors: Fresia Matteo; Minetti Manuela; Rosini Alessandro; Procopio Renato; Bonfiglio Andrea; Invernizzi Marco; Denegri Gio Battista; Lisciandrello Giuseppe; Orru Luca  
? Keywords: Grid flexibilization | system inertia | transmission system  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 36, percentile 96)  
? Energy Engineering and Power Technology (Q1, rank 17, percentile 94)  
2024:  
? Electrical and Electronic Engineering (Q1, rank 39, percentile 96)  
? Energy Engineering and Power Technology (Q1, rank 18, percentile 94)  
? Source Id: 28825  
? Author Ids: 57224008583;57210474295;57204050700;7801615894;36607521000;6701527755;7004649825;57219972273;57220190197  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60122257;60122257  
? Corresponding: Fresia M.

29.

? Title: Load Flow Assignments? Definition from Day-Ahead Electricity Market Interconnection Power Flows: A Study for Transmission Networks  
? Venue: Energies  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 7  
? DOI: 10.3390/en17061391  
? Scopus ID: 2-s2.0-85188744843  
? eISSN: 19961073  
? Volume: 17  
? Issue: 6  
? Authors: Fresia Matteo; Minetti Manuela; Procopio Renato; Bonfiglio Andrea; Lisciandrello Giuseppe; Orr^, Luca  
? Keywords: grid flexibilization | load flow | optimization algorithm | transmission system  
? 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)

2024:

- ? Control and Optimization (Q1, rank 15, percentile 90)
- ? Engineering (miscellaneous) (Q1, rank 39, percentile 85)
- ? Electrical and Electronic Engineering (Q1, rank 173, percentile 82)
- ? Energy Engineering and Power Technology (Q1, rank 73, percentile 75)
- ? Fuel Technology (Q2, rank 38, percentile 71)
- ? Energy (miscellaneous) (Q2, rank 32, percentile 68)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 105, percentile 64)
- ? Source Id: 62932
- ? Author Ids: 57224008583;57210474295;7801615894;36607521000;57219972273;57220190197
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60122257;60122257
- ? Corresponding: Fresia M.

30.

- ? Title: Structurally Tuned LSTM Networks to Nowcast Photovoltaic Power Production
- ? 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: 9
- ? DOI: 10.1109/EEEIC/ICPSEurope61470.2024.10751363
- ? Scopus ID: 2-s2.0-85219483718
- ? Authors: La Fata Alice; Amin M. Asim; Invernizzi Marco; Procopio Renato
- ? Keywords: Nowcasting | Photovoltaic Power Production | Recurrent Neural Networks
- ? Source Id: 21101263912
- ? Author Ids: 57434749400;57201246575;6701527755;7801615894
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153
- ? Corresponding: La Fata A.

31.

- ? 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.

32.

- ? 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.

33.

? 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.

34.

? 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.

35.

? Title: Cloud-to-Ground Lightning Nowcasting from Remote Sensing and Numerical Weather Prediction Modeling Data  
? Venue: Iclp 2024 37th International Conference on Lightning Protection  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Scopus ID: 2-s2.0-85215660036  
? Pages: 943-949  
? Authors: La Fata Alice; Moser Gabriele; Procopio Renato; Bernardi Marina; Fiori Elisabetta; Lagasio Martina  
? Source Id: 21101270624  
? Author Ids: 57434749400;7101795745;7801615894;56269310700;35229110700;57193136041  
? Authoraffiliationids: 60025153;60025153;60025153;60083358;60081917;112224719  
? Corresponding: La Fata A.

36.

? Title: A Dynamic Controller for Reactive Power and Voltage Regulation in Islanded Microgrids

? Venue: IEEE Power and Energy Society General Meeting

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Pesgm51994.2024.10761100

? Scopus ID: 2-s2.0-85212697988

? Issn: 19449925

? eISSN: 19449933

? Authors: Minetti Manuela; Bonfiglio Andrea; Procopio Renato; Fresia Matteo

? Keywords: droop control | Grid-Supporting inverter | Microgrid | primary regulation | reactive power sharing

? 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)

2024:

? Nuclear Energy and Engineering (Q3, rank 53, percentile 34)

? Electrical and Electronic Engineering (Q3, rank 682, percentile 29)

? Energy Engineering and Power Technology (Q3, rank 215, percentile 28)

? Renewable Energy, Sustainability and the Environment (Q4, rank 238, percentile 20)

? Source Id: 20600195623

? Author Ids: 57210474295;36607521000;7801615894;57224008583

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Minetti M.

37.

? Title: Techno-Economic Strategies to Define Inertia Needs in Future Transmission Networks

? 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/ICPSEurope61470.2024.10751291

? Scopus ID: 2-s2.0-85211899858

? Authors: Fresia Matteo; Bonfiglio Andrea; Procopio Renato; Lisciandrello Giuseppe; Orrì, Luca

? Keywords: Inverter-based generations | Synthetic Inertia | transmission networks

? Source Id: 21101263912

? Author Ids: 57224008583;36607521000;7801615894;57219972273;57220190197

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

? Corresponding: Fresia M.

38.

? Title: Electric Vehicle Battery Virtual Partitioning Algorithm for Residential Vehicle-to-Home Service

? Venue: 2024 International Conference on Smart Energy Systems and Technologies Driving the Advances for Future Electrification Sest 2024 Proceedings

? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Sest61601.2024.10694541  
? Scopus ID: 2-s2.0-85207661354  
? Authors: Bonfiglio Andrea; Minetti Manuela; Procopio Renato  
? Keywords: Electric Storage | Energy Transition | Vehicle to Home | Virtual Storage Partitioning  
? Source Id: 21101256226  
? Author Ids: 36607521000;57210474295;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

39.

? Title: Optimal Sizing of Battery Energy Storage Systems for Renewable Energy Integration in Energy Communities  
? Venue: Proceedings 2024 11th International Conference on Electrical Electronic and Computing Engineering Iccetran 2024  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? DOI: 10.1109/IcETRAN62308.2024.10645110  
? Scopus ID: 2-s2.0-85204074005  
? Authors: Minetti Manuela; Bonfiglio Andrea; Procopio Renato; Petronijevic Milutin P.; Radonjic Ivana  
? Keywords: Battery Energy Storage System | Curtailment | Optimal Sizing | Renewable Energy Community  
? Source Id: 21101248521  
? Author Ids: 57210474295;36607521000;7801615894;14422928500;55197295400  
? Authoraffiliationids: 60025153;60025153;60025153;60068806;60068806  
? Corresponding: Minetti M.

40.

? Title: Photovoltaic Power Nowcasting Using Decision-Trees Based Algorithms and Neural Networks  
? Venue: Proceedings 2024 11th International Conference on Electrical Electronic and Computing Engineering Iccetran 2024  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 12  
? DOI: 10.1109/IcETRAN62308.2024.10645147  
? Scopus ID: 2-s2.0-85204066359  
? Authors: Amin M. Asim; La Fata Alice; Procopio Renato; Invernizzi Marco; Petronijevic Milutin; Mitic Ivana Radonjic  
? Keywords: day-ahead forecasting | machine learning | Photovoltaic production | recurrent neural networks  
? Source Id: 21101248521  
? Author Ids: 57201246575;57434749400;7801615894;6701527755;14422928500;57208649613  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60068806;60068806  
? Corresponding: Amin M.A.

41.

? Title: RoCoF Mitigation in the Italian Transmission Network: a Methodology for Inertia Optimization

? Venue: 2024 IEEE 22nd Mediterranean Electrotechnical Conference MELECON 2024  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 7  
? Doi: 10.1109/Melecon56669.2024.10608532  
? Scopus ID: 2-s2.0-85201729726  
? Pages: 424-429  
? Authors: Fresia Matteo; Minetti Manuela; Bonfiglio Andrea; Procopio Renato; Lisciandrello Giuseppe; Orrì, Luca  
? Keywords: Grid Flexibilization | System Inertia | Transmission System  
? Source Id: 21101243574  
? Author Ids: 57224008583;57210474295;36607521000;7801615894;57219972273;57220190197  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60122257;60122257  
? Corresponding: Fresia M.

42.

? Title: Vehicle-to-Home Service Via Electric Vehicle Energy Storage Virtual Partitioning  
? Venue: Conference Record Industrial and Commercial Power Systems Technical Conference  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Icips60943.2024.10563283  
? Scopus ID: 2-s2.0-85197917872  
? Issn: 21584893  
? eISSN: 21584907  
? Authors: Bonfiglio Andrea; Minetti Manuela; Procopio Renato  
? Keywords: Electric Storage | Electric Vehicles | Energy Transition | Vehicle to Home | Virtual Storage Partitioning  
? Quartile:  
2025:  
? Engineering (all) (Q3, rank 177, percentile 49)  
2024:  
? Engineering (all) (Q3, rank 251, percentile 27)  
? Source Id: 21101233878  
? Author Ids: 36607521000;57210474295;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

43.

? Title: Renewable Energy Communities Virtual Islanding: A Novel Service for Smart Distribution Networks  
? Venue: Conference Record Industrial and Commercial Power Systems Technical Conference  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 18  
? Doi: 10.1109/Icips60943.2024.10563712  
? Scopus ID: 2-s2.0-85197900030  
? Issn: 21584893  
? eISSN: 21584907  
? Authors: Bonfiglio Andrea; Bruno Sergio; Martino Maria; Minetti Manuela; Procopio Renato; Velini Angelo  
? Keywords: Distribution System Operation | Energy Transition | Grid Services |

? Quartile:

2025:

? Engineering (all) (Q3, rank 177, percentile 49)

2024:

? Engineering (all) (Q3, rank 251, percentile 27)

? Source Id: 21101233878

? Author Ids: 36607521000;7101968133;59210049100;57210474295;7801615894;59210230800

? Authoraffiliationids: 60025153;60027299;60025153;60025153;60025153;60027299

? Corresponding: Bonfiglio A.

44.

? 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.

45.

? 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.

46.

? 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.

47.

? 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.

48.

? 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.

49.

? 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.

50.

? 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.

51.

? Title: A Sliding Mode based Controller for No Inertia Islanded Microgrids  
? Venue: Proceedings of 22nd International Symposium on Power Electronics Ee 2023  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? DOI: 10.1109/Ee59906.2023.10346188  
? Scopus ID: 2-s2.0-85182027405  
? Authors: Procopio Renato; Bonfiglio Andrea; Rosini Alessandro; Petronijevic Milutin; Filipovic Filip; Incremona Gian Paolo; Ferrara Antonella  
? Keywords: Frequency and voltage control | Islanded Microgrids | Sliding Mode Control  
? Source Id: 21101196083  
? Author Ids:  
7801615894;36607521000;57204050700;14422928500;57209321092;55933915900;55845601700  
? Authoraffiliationids: 60025153;60025153;60025153;60068806;60068806;60023256;60015197  
? Corresponding: Procopio R.

52.

? Title: Prediction of Cloud-to-Ground Lightning Through Gaussian Process Regression with Satellite Thermal Infrared Imagery and Numerical Weather Prediction Modeling Data  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 8

? Doi: 10.1109/Igarss52108.2023.10281600  
? Scopus ID: 2-s2.0-85178338190  
? Volume: 2023-July  
? Pages: 2508-2511  
? Authors: La Fata Alice; Farina Lorenzo; Bernardi Marina; Moser Gabriele; Procopio Renato; Fiori Elisabetta  
? Keywords: Gaussian Process Regression (GPR) | Lightning | Nowcasting | Numerical Weather Prediction  
? Source Id: 82000  
? Author Ids: 57434749400;58737948500;56269310700;7101795745;7801615894;35229110700  
? Authoraffiliationids: 60025153;60025153;60083358;60025153;60025153;60081917  
? Corresponding: La Fata A.

53.

? 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.

54.

? 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.

55.

? Title: Inertia Requirements Assessment for the Italian Transmission Network in the Future Network Scenario

- ? Venue: 2023 IEEE Belgrade Powertech Powertech 2023  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 23  
? DOI: 10.1109/PowerTech55446.2023.10202846  
? Scopus ID: 2-s2.0-85169473933  
? Authors: Bonfiglio Andrea; Fresia Matteo; Minetti Manuela; Procopio Renato; Rosini Alessandro; Lisciandrello Giuseppe; Orr^, Luca  
? Keywords: Grid Flexibilization | System Inertia | Transmission System  
? Source Id: 21101175266  
? Author Ids:  
36607521000;57224008583;57210474295;7801615894;57204050700;57219972273;57220190197  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60122257;60122257  
? Corresponding: Bonfiglio A.
56.  
? Title: A Comprehensive Sliding Mode Approach for Photovoltaic-Storage Islanded Microgrids  
? Venue: 2023 IEEE Belgrade Powertech Powertech 2023  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? DOI: 10.1109/PowerTech55446.2023.10202864  
? Scopus ID: 2-s2.0-85169440078  
? Authors: Bonfiglio Andrea; Procopio Renato; Rosini Alessandro; Incremona Gian Paolo; Ferrara Antonella  
? Keywords: Grid Feeding Converters | Grid Forming Converters | Islanded Microgrid | Sliding Mode Control  
? Source Id: 21101175266  
? Author Ids: 36607521000;7801615894;57204050700;55933915900;55845601700  
? Authoraffiliationids: 60025153;60025153;60025153;60023256;60015197  
? Corresponding: Bonfiglio A.
57.  
? 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.

58.

? Title: On the use of frequency in the primary control of fully inverter based islanded microgrids  
? Venue: International Journal of Electrical Power and Energy Systems  
? Year: 2022  
? Type: Journal  
? Subtype: Article  
? Citations: 6  
? DOI: 10.1016/j.ijepes.2022.108438  
? Scopus ID: 2-s2.0-85132530451  
? Issn: 01420615  
? Volume: 143  
? Authors: Rosini Alessandro; Procopio Renato; Bonfiglio Andrea  
? Keywords: Grid feeding inverters | Grid forming inverters | Islanded microgrids  
? 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: 57204050700;7801615894;36607521000  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Rosini A.

59.

? 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.
- 60.
- ? 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.
- 61.
- ? 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;660

3766602;56045386400;7003719604

? Authoraffiliationids:

60025153;60025153;60025153;60083358;60025153;102075139;60025153;60008088;60028186

? Corresponding: Nicora M.

62.

? 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.

63.

? 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.

64.

? Title: A Decentralized Higher Order Sliding Mode Control for Islanded Photovoltaic-  
Storage Systems

? Venue: Energy

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 15

? DOI: 10.1016/j.energy.2022.124502

? Scopus ID: 2-s2.0-85132523134

? Issn: 03605442

? Volume: 255

? Authors: Rosini A.; Procopio R.; Bonfiglio A.; Incremona G. P.; Ferrara A.

? Keywords: Grid feeding inverters | Grid forming inverters | Islanded microgrids |  
Sliding mode control

? 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)

2022:

? Modeling and Simulation (Q1, rank 5, percentile 98)

? Civil and Structural Engineering (Q1, rank 7, percentile 98)

? Building and Construction (Q1, rank 5, percentile 97)

? Mechanical Engineering (Q1, rank 17, percentile 97)

? Management, Monitoring, Policy and Law (Q1, rank 11, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 32, percentile 95)

? Industrial and Manufacturing Engineering (Q1, rank 17, percentile 95)

? Energy Engineering and Power Technology (Q1, rank 16, percentile 93)

? Fuel Technology (Q1, rank 8, percentile 93)

- ? Pollution (Q1, rank 12, percentile 92)
  - ? Energy (all) (Q1, rank 7, percentile 90)
  - ? Renewable Energy, Sustainability and the Environment (Q1, rank 28, percentile 88)
  - ? Source Id: 29348
  - ? Author Ids: 57204050700;7801615894;36607521000;55933915900;55845601700
  - ? Authoraffiliationids: 60025153;60025153;60025153;60023256;60015197
  - ? Corresponding: Rosini A.
- 65.
- ? 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.
- 66.
- ? 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.

67.

? 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.

68.

? Title: Horizontal grid spacing comparison among Random Forest algorithms to nowcast  
Cloud-to-Ground lightning occurrence

? Venue: Stochastic Environmental Research and Risk Assessment

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 18

? DOI: 10.1007/s00477-022-02222-1

? Scopus ID: 2-s2.0-85128471440

? Issn: 14363240

? eISSN: 14363259

? Volume: 36

? Issue: 8  
 ? Pages: 2195-2206  
 ? Authors: La Fata Alice; Amato Federico; Bernardi Marina; D'Andrea Mirko; Procopio Renato; Fiori Elisabetta  
 ? Keywords: Disaster Risk Management | Lightning | Machine Learning | Nowcasting | Random Forest  
 ? Quartile:  
 2025:  
 ? Safety, Risk, Reliability and Quality (Q1, rank 27, percentile 89)  
 ? Water Science and Technology (Q1, rank 33, percentile 88)  
 ? Environmental Science (all) (Q1, rank 42, percentile 82)  
 ? Environmental Engineering (Q1, rank 54, percentile 76)  
 ? Environmental Chemistry (Q2, rank 44, percentile 71)  
 2022:  
 ? Water Science and Technology (Q1, rank 38, percentile 84)  
 ? Safety, Risk, Reliability and Quality (Q1, rank 33, percentile 83)  
 ? Environmental Science (all) (Q1, rank 48, percentile 79)  
 ? Environmental Engineering (Q2, rank 47, percentile 74)  
 ? Environmental Chemistry (Q2, rank 45, percentile 67)  
 ? Source Id: 19010  
 ? Author Ids: 57434749400;56293783900;56269310700;36616259200;7801615894;35229110700  
 ? Authoraffiliationids: 60025153;60000239;60083358;102075139;60025153;102075139  
 ? Corresponding: La Fata A.

69.

? 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.

70.

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

? Venue: Energies

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 9

? DOI: 10.3390/en15145077

? Scopus ID: 2-s2.0-85136444814

? eISSN: 19961073

? Volume: 15

? Issue: 14

? Authors: Mestriner Daniele; Rosini Alessandro; Xhani Iris; Bonfiglio Andrea; Procopio Renato

? Keywords: frequency regulation | microgrids | model predictive control

? Quartile:

2025:

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

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

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

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

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

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

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

2022:

? Control and Optimization (Q1, rank 21, percentile 83)

? Engineering (miscellaneous) (Q1, rank 27, percentile 82)

? Electrical and Electronic Engineering (Q2, rank 197, percentile 73)

? Energy Engineering and Power Technology (Q2, rank 77, percentile 69)

? Energy (miscellaneous) (Q2, rank 18, percentile 67)

? Fuel Technology (Q2, rank 39, percentile 67)

? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 56)

? Source Id: 62932

? Author Ids: 57115575100;57204050700;57854403900;36607521000;7801615894

? Authoraffiliationids: 60025153;60025153;128490304;60025153;60025153

? Corresponding: Mestriner D.

71.

? Title: An Advanced Droop Control Strategy for Reactive Power Assessment in Islanded Microgrids

? Venue: IEEE Transactions on Power Systems

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 33

? Doi: 10.1109/Tpwr.2021.3124062

? Scopus ID: 2-s2.0-85118685518

? Issn: 08858950

? eISSN: 15580679

? Volume: 37

? Issue: 4

? Pages: 3014-3025

? Authors: Minetti Manuela; Rosini Alessandro; Denegri Gio Battista; Bonfiglio Andrea;

Procopio Renato

? Keywords: droop control | inverter control | Microgrid | primary control | reactive power sharing

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 36, percentile 96)

? Energy Engineering and Power Technology (Q1, rank 17, percentile 94)

2022:

? Electrical and Electronic Engineering (Q1, rank 30, percentile 96)

? Energy Engineering and Power Technology (Q1, rank 14, percentile 94)

? Source Id: 28825

? Author Ids: 57210474295;57204050700;7004649825;36607521000;7801615894

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

? Corresponding: Minetti M.

72.

? Title: Can Frequency Be Used to Achieve Communication-Less Primary Control in Photovoltaic-Storage Islanded Microgrids?

? Venue: 2022 Workshop on Blockchain for Renewables Integration Blorin 2022

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Blorin54731.2022.10028415

? Scopus ID: 2-s2.0-85148332300

? Pages: 102-106

? Authors: Rosini Alessandro; Procopio Renato; Bonfiglio Andrea

? Keywords: Grid-Feeding converter | Grid-Forming converter | Islanded Microgrid | Primary Frequency Control

? Source Id: 21101136298

? Author Ids: 57204050700;7801615894;36607521000

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Rosini A.

73.

? 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.

74.

? Title: Real-Time Power System Laboratories at the University of Genoa  
 ? Venue: 2022 Aeit International Annual Conference Aeit 2022  
 ? Year: 2022  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 3  
 ? Doi: 10.23919/Aeit56783.2022.9951786  
 ? Scopus ID: 2-s2.0-85143621135  
 ? Authors: Bonfiglio Andrea; Bracco Stefano; D'Agostino Fabio; Delfino Federico; Laiolo Paola; Invernizzi Marco; Massucco Stefano; Procopio Renato; Saviozzi Matteo; Silvestro Federico  
 ? Keywords: Power Laboratories | Power Systems | Real Time Simulation  
 ? Source Id: 21101125262  
 ? Author Ids: 36607521000;15049159900;56553864200;6603766602;56576462300;6701527755;6603357712;7801615894;56027556100;23026343700  
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153  
 ? Corresponding: Bonfiglio A.

75.

? Title: A Contribution to Reactive Power Control in Inverter Based Islanded Microgrids  
 ? Venue: IEEE Power and Energy Society General Meeting  
 ? Year: 2022  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 10  
 ? Doi: 10.1109/Pesgm48719.2022.9916941  
 ? Scopus ID: 2-s2.0-85141509462  
 ? Issn: 19449925  
 ? eISSN: 19449933  
 ? Volume: 2022-July  
 ? Authors: Rosini Alessandro; Minetti Manuela; Denegri Gio Battista; Procopio Renato; Bonfiglio Andrea  
 ? Keywords: Droop control | Inverter control | Microgrid | Primary Control | Reactive Power Sharing  
 ? 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: 57204050700;57210474295;7004649825;7801615894;36607521000  
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
 ? Corresponding: Rosini A.

76.

? Title: A Simplified Method for the Evaluation of Lightning-Induced Overvoltage Peaks with Frequency-Dependent Soil Parameters  
 ? Venue: 2022 IEEE International Conference on Environment and Electrical Engineering and 2022 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2022  
 ? Year: 2022  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 2

? DOI: 10.1109/EEEIC/ICPSEurope54979.2022.9854555  
? Scopus ID: 2-s2.0-85138008714  
? Authors: Moura Rodolfo A.R.; Mestriner Daniele; Procopio Renato; Schroeder Marco A.O.; Assis Fernando A.; Nicora Martino; Delfino Federico  
? Keywords: frequency-dependent electrical parameters of the soil | lightning | lightning-induced overvoltage | overhead distribution lines  
? Source Id: 21101107964  
? Author Ids: 56045547600;57115575100;7801615894;15064585600;57193615355;57210463204;6603766602  
? Authoraffiliationids: 60028351;60025153;60025153;60028351;60028351;60025153;60025153  
? Corresponding: Moura R.A.R.

77.

? Title: Lightning-Induced Overvoltage Peaks Considering Soil Parameters Frequency-Dependence: New Approach with Dominant Frequency Associated with Lightning Current Front Time  
? Venue: Proceedings of International Conference on Harmonics and Quality of Power ICHQP  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/ICHQP53011.2022.9808740  
? Scopus ID: 2-s2.0-85133768366  
? Issn: 15406008  
? eISSN: 21640610  
? Volume: 2022-May  
? Authors: Moura Rodolfo A.R.; Mestriner Daniele; Procopio Renato; Schroeder Marco A.O.; Assis Fernando A.; Delfino Federico  
? Keywords: Frequency-dependent electrical parameters of soil | induced voltage | lightning | overhead line  
? Quartile: 2025:  
? Computer Networks and Communications (Q3, rank 354, percentile 35)  
? Energy Engineering and Power Technology (Q3, rank 213, percentile 34)  
? Electrical and Electronic Engineering (Q3, rank 654, percentile 34)  
? Fuel Technology (Q3, rank 92, percentile 32)  
? Signal Processing (Q3, rank 132, percentile 32)  
? Source Id: 21100228510  
? Author Ids: 56045547600;57115575100;7801615894;15064585600;57193615355;6603766602  
? Authoraffiliationids: 60028351;60025153;60025153;60025153;60025153;60028351  
? Corresponding: Moura R.A.R.

78.

? 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/TEM.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.

79.

? 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.

80.

? 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.

81.

? Title: A review of reactive power sharing control techniques for islanded microgrids  
? Venue: Renewable and Sustainable Energy Reviews  
? Year: 2021  
? Type: Journal  
? Subtype: Review  
? Citations: 56  
? DOI: 10.1016/j.rser.2021.110745  
? Scopus ID: 2-s2.0-85100258186  
? Issn: 13640321  
? eISSN: 18790690  
? Volume: 141  
? Authors: Rosini A.; Labella A.; Bonfiglio A.; Procopio R.; Guerrero Josep M.  
? Keywords: Hierarchical control | Islanded microgrids | Microgrids | Primary control | Reactive power sharing | Voltage regulation  
? Quartile:  
2025:  
? Renewable Energy, Sustainability and the Environment (Q1, rank 7, percentile 97)  
2021:  
? Renewable Energy, Sustainability and the Environment (Q1, rank 6, percentile 97)  
? Source Id: 27567  
? Author Ids: 57204050700;57114931700;36607521000;7801615894;35588010400  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60022134  
? Corresponding: Rosini A.

82.

? Title: Impact of grounding modeling on lightning-induced voltages evaluation in distribution lines  
? Venue: Applied Sciences Switzerland  
? Year: 2021  
? Type: Journal

? Subtype: Article  
? Citations: 17  
? DOI: 10.3390/app11072931  
? Scopus ID: 2-s2.0-85103860873  
? eISSN: 20763417  
? Volume: 11  
? Issue: 7  
? Authors: Mestriner Daniele; de Moura Rodolfo Ant nio Ribeiro; Procopio Renato; Schroeder Marco Aur lio de Oliveira  
? Keywords: Distribution lines | Grounding modeling | Lightning-induced overvoltages | Soil resistivity  
? Quartile:  
2025:  
? Engineering (all) (Q1, rank 69, percentile 80)  
? Instrumentation (Q1, rank 38, percentile 80)  
? Fluid Flow and Transfer Processes (Q1, rank 21, percentile 79)  
? Computer Science Applications (Q2, rank 294, percentile 70)  
? Materials Science (all) (Q2, rank 166, percentile 64)  
? Process Chemistry and Technology (Q2, rank 34, percentile 55)  
2021:  
? Engineering (all) (Q2, rank 81, percentile 73)  
? Instrumentation (Q2, rank 52, percentile 62)  
? Computer Science Applications (Q2, rank 301, percentile 59)  
? Fluid Flow and Transfer Processes (Q2, rank 37, percentile 58)  
? Materials Science (all) (Q2, rank 219, percentile 51)  
? Process Chemistry and Technology (Q3, rank 32, percentile 48)  
? Source Id: 21100829268  
? Author Ids: 57115575100;56045547600;7801615894;15064585600  
? Authoraffiliationids: 60025153;60028351;60025153;60028351  
? Corresponding: Mestriner D.

83.

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

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

? Corresponding: Rosini A.

84.

? 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.

85.

? 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.

86.

? 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.

87.

? Title: On the Enhancement of the Flashovers on Overhead Distribution Lines Considering the Corona Discharge

? Venue: 12th International Symposium on Advanced Topics in Electrical Engineering Atee 2021

? Year: 2021

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Atee52255.2021.9425165  
? Scopus ID: 2-s2.0-85106688400  
? Authors: Nicora Martino; La Fata Alice; Procopio Renato; Fiori Elisabetta; Delfino Federico  
? Keywords: EMC | Lightning Protection | Power system  
? Source Id: 21101046723  
? Author Ids: 57210463204;57434749400;7801615894;35229110700;6603766602  
? Authoraffiliationids: 60025153;60025153;60025153;112224719;60025153  
? Corresponding: Nicora M.

88.

? 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.

89.

? Title: Cloud-to-Ground lightning nowcasting using Machine Learning  
? 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: 15  
? DOI: 10.1109/ICLPandSIPDA54065.2021.9627428  
? Scopus ID: 2-s2.0-85123855188  
? Authors: La Fata Alice; Amato Federico; Bernardi Marina; D'Andrea Mirko; Procopio Renato; Fiori Elisabetta  
? Keywords: Disaster Risk Management | Lightning | Machine Learning | Nowcasting | Random Forest  
? Source Id: 21101074738  
? Author Ids: 57434749400;56293783900;56269310700;36616259200;7801615894;35229110700  
? Authoraffiliationids: 60025153;60000239;60083358;112224719;60025153;112224719  
? Corresponding: La Fata A.

90.

? 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.

91.

? Title: The University of Genoa Savona Campus Sustainability Projects  
? Venue: 6th International Forum on Research and Technology for Society and Industry Rtsi 2021 Proceedings  
? Year: 2021  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Rtsi50628.2021.9597244  
? Scopus ID: 2-s2.0-85123179632  
? Pages: 115-120  
? Authors: Laiolo Paola; Procopio Renato; Delfino Federico; Andreotti Amedeo; Angrisani Leopoldo  
? Keywords: Microgrids | Research Infrastructures | Sustainability  
? Source Id: 21101073249  
? Author Ids: 56576462300;7801615894;6603766602;35564985300;7006649427  
? Authoraffiliationids: 60025153;60025153;60025153;60017293;60017293  
? Corresponding: Laiolo P.

92.

? 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.

93.

? 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.

94.

? Title: Energy Management System for Pulau Ubin Island Microgrid Test-bed in Singapore  
? 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: 10  
? DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160658  
? Scopus ID: 2-s2.0-85090423062  
? Authors: Bertolotti Valentina; Procopio Renato; Rosini Alessandro; Bracco Stefano; Delfino Federico; Soh Chew Beng; Cao Shuyu; Wei Feng  
? Keywords: Islanded Microgrid | power optimization | Pulau Ubin  
? Source Id: 21101021268  
? Author Ids: 57218843174;7801615894;57204050700;15049159900;6603766602;35202127400;7202703635;50062108000  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;100379158;100379158;100379158  
? Corresponding: Bertolotti V.

95.

? Title: An MPC-sliding mode cascaded control architecture for PV grid-feeding inverters  
? Venue: Energies  
? Year: 2020  
? Type: Journal  
? Subtype: Article  
? Citations: 15  
? DOI: 10.3390/en13092326  
? Scopus ID: 2-s2.0-85086145212  
? eISSN: 19961073  
? Volume: 13  
? Issue: 9  
? Authors: Palmieri Alessandro; Rosini Alessandro; Procopio Renato; Bonfiglio Andrea  
? Keywords: Microgrid | Model predictive control | Photovoltaic | Renewable energy |

Sliding mode control

? Quartile:

2025:

- ? Control and Optimization (Q1, rank 11, percentile 94)
- ? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
- ? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
- ? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
- ? Fuel Technology (Q2, rank 40, percentile 70)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
- ? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2020:

- ? Control and Optimization (Q1, rank 17, percentile 85)
- ? Engineering (miscellaneous) (Q1, rank 13, percentile 83)
- ? Electrical and Electronic Engineering (Q2, rank 183, percentile 73)
- ? Energy (miscellaneous) (Q2, rank 7, percentile 72)
- ? Energy Engineering and Power Technology (Q2, rank 62, percentile 72)
- ? Fuel Technology (Q2, rank 33, percentile 67)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 69, percentile 64)

? Source Id: 62932

? Author Ids: 57201775084;57204050700;7801615894;36607521000

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Palmieri A.

96.

? Title: An MPC approach for grid-forming inverters: Theory and experiment

? Venue: Energies

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 6

? DOI: 10.3390/en13092270

? Scopus ID: 2-s2.0-85084344465

? eISSN: 19961073

? Volume: 13

? Issue: 9

? Authors: Labella Alessandro; Filipovic Filip; Petronijevic Milutin; Bonfiglio Andrea; Procopio Renato

? Keywords: Grid-forming inverter | Microgrid | Model predictive control | Primary control

? Quartile:

2025:

- ? Control and Optimization (Q1, rank 11, percentile 94)
- ? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
- ? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
- ? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
- ? Fuel Technology (Q2, rank 40, percentile 70)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
- ? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2020:

- ? Control and Optimization (Q1, rank 17, percentile 85)
- ? Engineering (miscellaneous) (Q1, rank 13, percentile 83)
- ? Electrical and Electronic Engineering (Q2, rank 183, percentile 73)
- ? Energy (miscellaneous) (Q2, rank 7, percentile 72)
- ? Energy Engineering and Power Technology (Q2, rank 62, percentile 72)
- ? Fuel Technology (Q2, rank 33, percentile 67)

- ? Renewable Energy, Sustainability and the Environment (Q2, rank 69, percentile 64)  
 ? Source Id: 62932  
 ? Author Ids: 57114931700;57209321092;14422928500;36607521000;7801615894  
 ? Authoraffiliationids: 60025153;60068806;60068806;60025153;60025153  
 ? Corresponding: Labella A.
97.  
 ? 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.
98.  
 ? Title: A comprehensive inverter-bess primary control for AC microgrids  
 ? Venue: Energies  
 ? Year: 2019  
 ? Type: Journal  
 ? Subtype: Article  
 ? Citations: 44  
 ? DOI: 10.3390/en12203810  
 ? Scopus ID: 2-s2.0-85074927405  
 ? eISSN: 19961073  
 ? Volume: 12  
 ? Issue: 20  
 ? Authors: Fusero Michele; Tuckey Andrew; Rosini Alessandro; Serra Pietro; Procopio Renato; Bonfiglio Andrea  
 ? Keywords: BESS | DigSILENT PowerFactory | EMT simulations | Grid Forming | Grid Support | Grid Support | Inverter Control | Microgrid | Primary control  
 ? Quartile:

2025:

- ? Control and Optimization (Q1, rank 11, percentile 94)
- ? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
- ? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
- ? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
- ? Fuel Technology (Q2, rank 40, percentile 70)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
- ? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2019:

- ? Control and Optimization (Q1, rank 19, percentile 81)
- ? Energy Engineering and Power Technology (Q2, rank 62, percentile 71)
- ? Electrical and Electronic Engineering (Q2, rank 208, percentile 69)
- ? Fuel Technology (Q2, rank 33, percentile 66)
- ? Energy (miscellaneous) (Q2, rank 9, percentile 63)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 72, percentile 60)

? Source Id: 62932

? Author Ids: 56415081600;59016060200;57204050700;8246669600;7801615894;36607521000

? Authoraffiliationids: 60102057;123444737;60025153;60102057;60025153;60025153

? Corresponding: Fusero M.

99.

? Title: Load voltage direct tracking of a DC-DC buck-boost converter

? Venue: 2019 21st European Conference on Power Electronics and Applications EPE 2019 Ecce Europe

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.23919/Epe.2019.8915197

? Scopus ID: 2-s2.0-85076692568

? Authors: Palmieri Alessandro; Bonfiglio Andrea; Invernizzi Marco; Lanzarotto Damiano; Procopio Renato

? Keywords: Converter control | Non-linear control | Non-minimum phase system | Unstable internal dynamics

? Source Id: 21100939561

? Author Ids: 57201775084;36607521000;6701527755;57195070345;7801615894

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

? Corresponding: Palmieri A.

100.

? Title: Power Management in Islanded Hybrid Diesel-Storage Microgrids

? Venue: Proceedings of 2019 IEEE Pes Innovative Smart Grid Technologies Europe Isgt Europe 2019

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 13

? DOI: 10.1109/ISGTEurope.2019.8905522

? Scopus ID: 2-s2.0-85075852956

? Authors: Rosini Alessandro; Bonfiglio Andrea; Invernizzi Marco; Procopio Renato; Serra Pietro

? Keywords: Diesel Generator | droop control | EMT simulations | Microgrid | Microgrid control

? Source Id: 21100937400

? Author Ids: 57204050700;36607521000;6701527755;7801615894;8246669600

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

? Corresponding: Rosini A.

101.

? 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.

102.

? Title: An MPC-Based approach for emergency control ensuring transient stability in  
power grids with steam plants

? Venue: IEEE Transactions on Industrial Electronics

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 36

? Doi: 10.1109/Tie.2018.2870384

? Scopus ID: 2-s2.0-85054200925

? Issn: 02780046

? Volume: 66

? Issue: 7

? Pages: 5412-5422

? Authors: Bonfiglio Andrea; Cantoni Federico; Oliveri Alberto; Procopio Renato; Rosini  
Alessandro; Invernizzi Marco; Storace Marco

? Keywords: Constrained optimization | Model-predictive control (MPC) | Power system  
emergency control

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)

? Control and Systems Engineering (Q1, rank 17, percentile 95)

2019:

? Control and Systems Engineering (Q1, rank 3, percentile 98)

? Electrical and Electronic Engineering (Q1, rank 13, percentile 98)

? Source Id: 26053

? Author Ids:  
36607521000;57505409900;57200399832;7801615894;57204050700;6701527755;7004134087  
? Authoraffiliationids:  
60025153;60025153-60032170;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

103.

? Title: A model predictive control design for power generation heavy-duty gas turbines  
? Venue: Energies  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 17  
? DOI: 10.3390/en12112182  
? Scopus ID: 2-s2.0-85067173149  
? eISSN: 19961073  
? Volume: 12  
? Issue: 11  
? Authors: Rosini Alessandro; Palmieri Alessandro; Lanzarotto Damiano; Procopio Renato; Bonfiglio Andrea  
? Keywords: Constrained nonlinear systems | Gas turbine control | Model predictive control | Model-based control  
? Quartile:  
2025:  
? Control and Optimization (Q1, rank 11, percentile 94)  
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)  
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)  
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)  
? Fuel Technology (Q2, rank 40, percentile 70)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)  
? Energy (miscellaneous) (Q2, rank 39, percentile 64)  
2019:  
? Control and Optimization (Q1, rank 19, percentile 81)  
? Energy Engineering and Power Technology (Q2, rank 62, percentile 71)  
? Electrical and Electronic Engineering (Q2, rank 208, percentile 69)  
? Fuel Technology (Q2, rank 33, percentile 66)  
? Energy (miscellaneous) (Q2, rank 9, percentile 63)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 72, percentile 60)  
? Source Id: 62932  
? Author Ids: 57204050700;57201775084;57195070345;7801615894;36607521000  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Rosini A.

104.

? 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.

105.

? 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.

106.

? Title: Guest Editorial Special Section 'Advances in Lightning Modeling, Computation, and Measurement'

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2019

? Type: Journal

? Subtype: Editorial

? Citations: 0

? Doi: 10.1109/Temc.2019.2918395

? Scopus ID: 2-s2.0-85067409551

? Issn: 00189375

? Volume: 61

? Issue: 3

? Pages: 603-605

? Authors: Procopio R.; Baba Y.; Piantini A.

? 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: 7801615894;35551223100;56045386400

? Authoraffiliationids: 60025153;60010726;60008088

? Corresponding: Procopio R.

107.

? 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.

108.

? Title: A Sliding Mode Control Approach for Gas Turbine Power Generators

? Venue: IEEE Transactions on Energy Conversion

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 36

? Doi: 10.1109/Tec.2018.2879688

? Scopus ID: 2-s2.0-85056176939

? Issn: 08858969

? Volume: 34

? Issue: 2

? Pages: 921-932

? Authors: Bonfiglio Andrea; Cacciacecarne Stefano; Invernizzi Marco; Lanzarotto Damiano; Palmieri Alessandro; Procopio Renato

? Keywords: Feedback linearization | gas turbine | model based control | nonlinear systems | sliding mode

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 62, percentile 93)

? Energy Engineering and Power Technology (Q1, rank 30, percentile 90)  
2019:  
? Energy Engineering and Power Technology (Q1, rank 13, percentile 94)  
? Electrical and Electronic Engineering (Q1, rank 55, percentile 91)  
? Source Id: 28824  
? Author Ids: 36607521000;57192958598;6701527755;57195070345;57201775084;7801615894  
? Authoraffiliationids: 60025153;60073836;60025153;60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

109.

? 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.

110.

? Title: Design and Implementation of a Variable Synthetic Inertia Controller for Wind Turbine Generators  
? Venue: IEEE Transactions on Power Systems  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 98  
? Doi: 10.1109/Tpwr.2018.2865958

? Scopus ID: 2-s2.0-85059111391  
? Issn: 08858950  
? Volume: 34  
? Issue: 1  
? Pages: 754-764  
? Authors: Bonfiglio Andrea; Invernizzi Marco; Labella Alessandro; Procopio Renato  
? Keywords: Frequency support | renewable generation | synthetic inertia | wind energy  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 36, percentile 96)  
? Energy Engineering and Power Technology (Q1, rank 17, percentile 94)  
2019:  
? Energy Engineering and Power Technology (Q1, rank 7, percentile 96)  
? Electrical and Electronic Engineering (Q1, rank 25, percentile 96)  
? Source Id: 28825  
? Author Ids: 36607521000;6701527755;57114931700;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

111.

? 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.

112.

? 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.

113.

? Title: Lightning performance and protection systems  
? 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.2018.8495220  
? Scopus ID: 2-s2.0-85056584032  
? Authors: Procopio Renato  
? Source Id: 21100886130  
? Author Ids: 7801615894  
? Authoraffiliationids: 60025153  
? Corresponding: Procopio R.

114.

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

115.

? 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.
- 116.
- ? Title: Modeling and Experimental Validation of an Islanded No-Inertia Microgrid Site
- ? Venue: IEEE Transactions on Sustainable Energy
- ? Year: 2018
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 32
- ? Doi: 10.1109/Tste.2018.2816401
- ? Scopus ID: 2-s2.0-85043773189
- ? Issn: 19493029
- ? Volume: 9
- ? Issue: 4
- ? Pages: 1812-1821
- ? Authors: Bonfiglio Andrea; Delfino Federico; Labella Alessandro; Mestriner Daniele; Pampararo Fabio; Procopio Renato; Guerrero Josep M.
- ? Keywords: islanding | microgrids | power system modeling | Smart grids | system validation
- ? Quartile:
- 2025:
- ? Renewable Energy, Sustainability and the Environment (Q1, rank 20, percentile 93)
- 2018:
- ? Renewable Energy, Sustainability and the Environment (Q1, rank 9, percentile 94)
- ? Source Id: 19700177027
- ? Author Ids:
- 36607521000;6603766602;57114931700;57115575100;36782697700;7801615894;35588010400
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60022134
- ? Corresponding: Bonfiglio A.
- 117.
- ? 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.
118.  
 ? 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.
119.  
 ? 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.

120.

? Title: Definition of a sliding mode controller accounting for a reduced order model of gas turbine set  
? Venue: 2017 52nd International Universities Power Engineering Conference Upec 2017  
? Year: 2017  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 11  
? Doi: 10.1109/Upec.2017.8231919  
? Scopus ID: 2-s2.0-85046100095  
? Volume: 2017-January  
? Pages: 1-6  
? Authors: Bonfiglio A.; Invernizzi M.; Lanzarotto D.; Palmieri A.; Procopio R.  
? Keywords: power system control | power system modelling | Sliding mode control  
? Source Id: 21100858345  
? Author Ids: 36607521000;6701527755;57195070345;57201775084;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

121.

? 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.

122.

? 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.

123.

? Title: Steady-state assessments of PMSGs in wind generating units

? Venue: International Journal of Electrical Power and Energy Systems

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 47

? DOI: 10.1016/j.ijepes.2017.02.002

? Scopus ID: 2-s2.0-85013224089

? Issn: 01420615

? Volume: 90

? Pages: 87-93

? Authors: Bonfiglio A.; Delfino F.; Gonzalez-Longatt F.; Procopio R.

? Keywords: Capability chart | Electric machines | Power system modeling and wind power generation

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 57, percentile 94)

? Energy Engineering and Power Technology (Q1, rank 25, percentile 92)

2017:

? Energy Engineering and Power Technology (Q1, rank 9, percentile 95)

? Electrical and Electronic Engineering (Q1, rank 35, percentile 94)

? Source Id: 17985

? Author Ids: 36607521000;6603766602;24922792900;7801615894

? Authoraffiliationids: 60025153;60025153;60000891;60025153

? Corresponding: Bonfiglio A.

124.

? Title: Inertial frequency response provided by battery energy storage systems:  
Probabilistic assessment

? Venue: 2017 6th International Conference on Clean Electrical Power Renewable Energy  
Resources Impact Icccep 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 9

? Doi: 10.1109/Icccep.2017.8004847

? Scopus ID: 2-s2.0-85028503523

? Pages: 403-409

? Authors: Gonzalez-Longatt F.; Alhejaj S.; Bonfiglio A.; Procopio R.; Rueda J. L.

? Keywords: Battery energy storage system | frequency response | Monte-Carlo Simulation  
| probabilistic assessment

? Source Id: 21100828603

? Author Ids: 24922792900;57192573727;36607521000;7801615894;25958300100

? Authoraffiliationids: 60000891;60000891;60025153;60025153;60006288

? Corresponding: Gonzalez-Longatt F.

125.

? Title: A two frame feedback linearization scheme for the control of fully rated wind  
generating units

? Venue: 2017 IEEE Manchester Powertech Powertech 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Ptc.2017.7981006

? Scopus ID: 2-s2.0-85034786860

? Authors: Bonfiglio A.; Di Grigoli L.; Procopio R.; Alhejaj S. M.; Gonzalez-Longatt F.

? Keywords: distributed energy resources | Feedback Linearization | non-linear control  
techniques | power systems modelling | Wind generation

? Source Id: 21100838740

? Author Ids: 36607521000;57197786063;7801615894;57192573727;24922792900

? Authoraffiliationids: 60025153;60000891;60000891;60000891;60000891

? Corresponding: Bonfiglio A.

126.

? Title: A simplified first harmonic model for the Savona Campus Smart Polygeneration  
Microgrid

? Venue: Conference Proceedings 2017 17th IEEE International Conference on Environment  
and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems  
Europe Eeeic I and Cps Europe 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 20

? Doi: 10.1109/Eeeic.2017.7977491

? Scopus ID: 2-s2.0-85026761590

? Authors: Labella Alessandro; Mestriner Daniele; Procopio Renato; Delfino Federico

? Keywords: Islanding | Mathematical model | Microgrids | Photovoltaic system | Smart  
grids

? Source Id: 21100826217

? Author Ids: 57114931700;57115575100;7801615894;6603766602

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Labella A.

127.

? 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.

128.

? 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.

129.

? 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.

130.

? 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.

131.

? 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.

132.

? 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.

133.

? Title: A methodological approach to assess the impact of smarting action on

electricity transmission and distribution networks related to Europe 2020 targets

? Venue: Energies

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 4

? DOI: 10.3390/en10020155

? Scopus ID: 2-s2.0-85016093937

? eISSN: 19961073

? Volume: 10

? Issue: 2

? Authors: Bonfiglio Andrea; Delfino Federico; Invernizzi Marco; Procopio Renato

? Keywords: Electricity transmission and distribution | Energy efficiency | Environmental impact | Power systems | Renewable generation integration

? 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;6603766602;6701527755;7801615894

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bonfiglio A.

134.

? Title: Modeling and maximum power point tracking control of wind generating units equipped with permanent magnet synchronous generators in presence of losses

? Venue: Energies

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 27

? DOI: 10.3390/en10010102

? Scopus ID: 2-s2.0-85016094945

? eISSN: 19961073

? Volume: 10

? Issue: 1

? Authors: Bonfiglio Andrea; Delfino Federico; Invernizzi Marco; Procopio Renato

? Keywords: Power systems modeling | Renewable power generation | Wind power

? 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;6603766602;6701527755;7801615894  
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153  
 ? Corresponding: Bonfiglio A.

135.

? Title: Electrical-loss analysis of power-split hybrid electric vehicles  
 ? Venue: Energies  
 ? Year: 2017  
 ? Type: Journal  
 ? Subtype: Article  
 ? Citations: 18  
 ? DOI: 10.3390/en10122142  
 ? Scopus ID: 2-s2.0-85041452438  
 ? eISSN: 19961073  
 ? Volume: 10  
 ? Issue: 12  
 ? Authors: Bonfiglio Andrea; Lanzarotto Damiano; Marchesoni Mario; Passalacqua Massimiliano; Procopio Renato; Repetto Matteo  
 ? Keywords: Continuously variable transmission | Electric machine | Energy efficiency | Hybrid electric vehicle | Hybrid synergy drive | Power-split device  
 ? 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;57195070345;6701827441;57195070159;7801615894;56264520300  
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
 ? Corresponding: Bonfiglio A.

136.

? Title: Measurement Campaign and Experimental Results of an Islanded Microgrid  
 ? Venue: Proceedings of 8th International Conference on Energy and Environment Energy Saved Today is Asset for Future Ciem 2017  
 ? Year: 2017  
 ? Type: Conference Proceeding

? Subtype: Conference Paper  
? Citations: 11  
? Doi: 10.1109/Ciem.2017.8120783  
? Scopus ID: 2-s2.0-85041232066  
? Pages: 31-35  
? Authors: Labella Alessandro; Mestriner Daniele; Pampararo Fabio; Procopio Renato  
? Keywords: Islanding operation | Microgrids | Oscilloscopes | Power system transients  
? Source Id: 21100933089  
? Author Ids: 57114931700;57115575100;36782697700;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Labella A.

137.

? Title: Implementation of Primary Frequency Regulation on Fully Rated Wind Turbine Generators  
? Venue: Proceedings of 8th International Conference on Energy and Environment Energy Saved Today is Asset for Future Ciem 2017  
? Year: 2017  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Ciem.2017.8120815  
? Scopus ID: 2-s2.0-85041186885  
? Pages: 316-320  
? Authors: Bonfiglio Andrea; Gonzalez-Longatt Francisco M.; Labella Alessandro; Procopio Renato  
? Keywords: Frequency response | Inertia control | Power system | Wind energy | Wind turbine generator  
? Source Id: 21100933089  
? Author Ids: 36607521000;24922792900;57114931700;7801615894  
? Authoraffiliationids: 60025153;60000891;60025153;60025153  
? Corresponding: Bonfiglio A.

138.

? 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.

139.

? Title: Lightning potential index performances in multimicrophysical cloud-resolving simulations of a back-building mesoscale convective system: The Genoa 2014 event

? Venue: Journal of Geophysical Research

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 58

? Doi: 10.1002/2016jd026115

? Scopus ID: 2-s2.0-85018874960

? Issn: 01480227

? eISSN: 21562202

? Volume: 122

? Issue: 8

? Pages: 4238-4257

? Authors: Lagasio M.; Parodi A.; Procopio R.; Rachidi F.; Fiori E.

? Quartile:

2017:

? Subject (Q1, rank 6, percentile 96)

? Subject (Q1, rank 5, percentile 95)

? Subject (Q1, rank 14, percentile 93)

? Subject (Q1, rank 15, percentile 92)

? Subject (Q1, rank 15, percentile 89)

? Subject (Q1, rank 35, percentile 89)

? Subject (Q1, rank 13, percentile 89)

? Subject (Q1, rank 10, percentile 88)

? Subject (Q1, rank 16, percentile 86)

? Subject (Q1, rank 15, percentile 86)

? Subject (Q1, rank 23, percentile 80)

? Subject (Q1, rank 22, percentile 80)

? Subject (Q2, rank 24, percentile 73)

? Source Id: 28428

? Author Ids: 57193136041;35568218100;7801615894;7003719604;35229110700

? Authoraffiliationids: 112224719;112224719;60025153;60028186;112224719

? Corresponding: Lagasio M.

140.

? Title: Gas turbine generating units control via feedback linearization approach

? Venue: Energy

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 45

? DOI: 10.1016/j.energy.2017.01.048  
 ? Scopus ID: 2-s2.0-85009480817  
 ? Issn: 03605442  
 ? Volume: 121  
 ? Pages: 491-512  
 ? Authors: Bonfiglio A.; Cacciacarne S.; Invernizzi M.; Procopio R.; Schiano S.; Torre I.  
 ? Keywords: Energy power generation | Feedback linearization | Gas cycles | Non-linear control techniques | Power systems  
 ? 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)  
 2017:  
 ? Civil and Structural Engineering (Q1, rank 4, percentile 98)  
 ? Building and Construction (Q1, rank 5, percentile 97)  
 ? Industrial and Manufacturing Engineering (Q1, rank 10, percentile 97)  
 ? Mechanical Engineering (Q1, rank 18, percentile 96)  
 ? Electrical and Electronic Engineering (Q1, rank 44, percentile 93)  
 ? Pollution (Q1, rank 8, percentile 92)  
 ? Source Id: 29348  
 ? Author Ids: 36607521000;57192958598;6701527755;7801615894;57192960415;57192961419  
 ? Authoraffiliationids: 60025153;60073836;60025153;60025153;60073836;60073836  
 ? Corresponding: Bonfiglio A.

141.

? Title: Implementation and Performance analysis of the lightning potential index as a forecasting tool  
 ? Venue: 2016 33rd International Conference on Lightning Protection Iclp 2016  
 ? Year: 2016  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 10  
 ? Doi: 10.1109/Iclp.2016.7791514  
 ? Scopus ID: 2-s2.0-85011049912  
 ? Authors: Fiori Elisabetta; Lagasio Martina; Parodi Antonio; Procopio Renato; Smorgonskiy Alexander; Rachidi Farhad; Diendorfer Gerhard  
 ? Keywords: Extreme events | Lightning potential index | Lightning prediction | Meteorological models | Orographic precipitation | Wrf  
 ? Source Id: 21100793690  
 ? Author Ids:  
 35229110700;57193136041;35568218100;7801615894;6508168496;7003719604;6602764855  
 ? Authoraffiliationids:  
 112224719;112224719;112224719;60025153;60028186;60028186;105322163  
 ? Corresponding: Fiori E.

142.

? 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.

143.

? 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.

144.

? 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;60025153  
 ? Corresponding: Annaswamy A.

145.

? Title: Evaluation of inertial response controllers for full-rated power converter wind turbine (Type 4)  
 ? Venue: IEEE Power and Energy Society General Meeting  
 ? Year: 2016  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 43  
 ? Doi: 10.1109/Pesgm.2016.7741837  
 ? Scopus ID: 2-s2.0-85002170909  
 ? Issn: 19449925  
 ? eISSN: 19449933  
 ? Volume: 2016-November  
 ? Authors: Gonzalez-Longatt Francisco M.; Bonfiglio A.; Procopio R.; Verduci B.  
 ? Keywords: Frequency controller | Frequency stability | Power system | Protection scheme | Wind turbine generator  
 ? 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: 24922792900;36607521000;7801615894;57192257900  
 ? Authoraffiliationids: 60000891;60025153;60025153;60025153  
 ? Corresponding: Gonzalez-Longatt F.

146.

? Title: A model predictive control approach for the optimization of polygeneration microgrids and demand response strategies  
 ? Venue: Eeeic 2016 International Conference on Environment and Electrical Engineering  
 ? Year: 2016  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 5

? Doi: 10.1109/Eeeic.2016.7555621  
? Scopus ID: 2-s2.0-84988355393  
? Authors: Bracco Stefano; Delfino Federico; Procopio Renato; Rossi Mansueto; Robba Michela  
? Keywords: Demand response | model predictive control | optimal control | polygeneration microgrids | renewable energy  
? Source Id: 21100780440  
? Author Ids: 15049159900;6603766602;7801615894;7403708681;7004979187  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60121711  
? Corresponding: Bracco S.

147.

? Title: Practical limit of synthetic inertia in full converter wind turbine generators: Simulation approach  
? Venue: 2016 19th International Symposium on Electrical Apparatus and Technologies Siela 2016  
? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 28  
? Doi: 10.1109/Siela.2016.7543007  
? Scopus ID: 2-s2.0-84985947186  
? Authors: Gonzalez-Longatt F.; Bonfiglio A.; Procopio R.; Bogdanov D.  
? Keywords: control systems | frequency response | frequency stability | wind power | wind turbine  
? Source Id: 21100777460  
? Author Ids: 24922792900;36607521000;7801615894;55359685000  
? Authoraffiliationids: 60000891;60025153;60025153;60004554  
? Corresponding: Gonzalez-Longatt F.

148.

? 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.

149.

? 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.

150.

? 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.
- 151.
- ? Title: Approximate characterization of large Photovoltaic power plants at the Point of Interconnection
- ? Venue: Proceedings of the Universities Power Engineering Conference
- ? Year: 2015
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 23
- ? Doi: 10.1109/Upec.2015.7339789
- ? Scopus ID: 2-s2.0-84958092976
- ? Volume: 2015-November
- ? Authors: Bonfiglio A.; Delfino F.; Invernizzi M.; Labella A.; Mestriner D.; Procopio R.; Serra P.
- ? Keywords: Photovoltaic Power Plants | Renewable integration
- ? Source Id: 69722
- ? Author Ids:  
36607521000;6603766602;6701527755;57114931700;57115575100;7801615894;8246669600
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60102057
- ? Corresponding: Bonfiglio A.
- 152.
- ? 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.
- 153.
- ? 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.

154.

? Title: An approximate methodology to verify the compliance of large photovoltaic power plants to system operator steady-state requirements  
? Venue: Electric Power Systems Research  
? Year: 2015  
? Type: Journal  
? Subtype: Article  
? Citations: 9  
? DOI: 10.1016/j.epsr.2015.05.015  
? Scopus ID: 2-s2.0-84930945444  
? Issn: 03787796  
? Volume: 127  
? Pages: 80-92  
? Authors: Bonfiglio Andrea; Delfino Federico; Invernizzi Marco; Procopio Renato; Serra Pietro  
? Keywords: Photovoltaic power plants | Power plant equivalencing | Renewable generation | Renewable generation integration | Solar energy integration | System operator requirements  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)  
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)  
2015:  
? Energy Engineering and Power Technology (Q1, rank 22, percentile 88)  
? Electrical and Electronic Engineering (Q1, rank 110, percentile 83)  
? Source Id: 16044  
? Author Ids: 36607521000;6603766602;6701527755;7801615894;8246669600  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057  
? Corresponding: Bonfiglio A.

155.

? 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.

156.

? 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.

157.

? Title: Criteria for the equivalent modeling of large photovoltaic power plants

? Venue: IEEE Power and Energy Society General Meeting

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 32

? Doi: 10.1109/Pesgm.2014.6939183

? Scopus ID: 2-s2.0-84930947710

? Issn: 19449925

? eISSN: 19449933

? Volume: 2014-October

? Issue: October

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

? Keywords: Photovoltaic power plants | Renewables

? 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: 36607521000;6603766602;6701527755;7801615894;8246669600

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

? Corresponding: Bonfiglio A.

158.

? 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.

159.

? Title: Improving power grids transient stability via Model Predictive Control

? Venue: Proceedings 2014 Power Systems Computation Conference Psc 2014

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 27

? Doi: 10.1109/Psc.2014.7038364

? Scopus ID: 2-s2.0-84946687291

? Authors: Bonfiglio A.; Oliveri A.; Procopio R.; Delfino F.; Denegri G. B.; Invernizzi M.; Storace M.

? Keywords: emergency control | load shedding | MPC | stability

? Source Id: 21100377750

? Author Ids:

36607521000;57200399832;7801615894;6603766602;7004649825;6701527755;7004134087

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

? Corresponding: Bonfiglio A.

160.

? 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.

161.

? 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 Sources (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.

162.

? 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.

163.

? Title: A set of KPIs to quantify environmental & technical benefits of renewing

actions on transmission grids

? Venue: 2013 IEEE Grenoble Conference Powertech Powertech 2013

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Ptc.2013.6652233

? Scopus ID: 2-s2.0-84890867435

? Authors: Bonfiglio A.; Delfino F.; Denegri G. B.; Invernizzi M.; Procopio R.; Amann G.; Bessede J. L.; Charnah R.; Luxa A.; Margarone M.; Monizza G.

? Keywords: energy resources | power distribution | power quality | power systems modelling | Power transmission

? Source Id: 21100276223

? Author Ids: 36607521000;6603766602;7004649825;6701527755;7801615894;36650448700;55903266900;6507942866;57205084075;57213411081;8968415000

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;109690794;109690794;109690794;109690794;109690794

? Corresponding: Bonfiglio A.

164.

? 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;60025153

? Corresponding: Bonfiglio A.

165.

? Title: Definition and validation of key performance indicators to assess the effectiveness of "smarting actions" on a distribution network

? Venue: Iet Conference Publications

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? DOI: 10.1049/cp.2013.1262

? Scopus ID: 2-s2.0-84897680992

? Volume: 2013

? Issue: 615 Cp

? Authors: Bonfiglio Andrea; Delfino Federico; Denegri Gio Battista; Invernizzi Marco; Procopio Renato

? Source Id: 5400152619

? Author Ids: 36607521000;6603766602;7004649825;6701527755;7801615894

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

- ? Corresponding: Bonfiglio A.
- 166.
- ? Title: The smart microgrid pilot project of the University of Genoa: Power and communication architectures
- ? Venue: Aeit Annual Conference 2013 Innovation and Scientific and Technical Culture for Development Aeit 2013 Selected Proceedings Papers
- ? Year: 2013
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 4
- ? DOI: 10.1109/aeit.2013.6666794
- ? Scopus ID: 2-s2.0-84893384882
- ? Authors: Bonfiglio A.; Barillari L.; Delfino F.; Pampararo F.; Procopio R.; Rossi M.; Invernizzi M.; Denegri G. B.; Bracco S.
- ? Keywords: Energy management system | integration of private microgrids into public distribution networks | Smart grid
- ? Source Id: 21101015978
- ? Author Ids: 36607521000;55568698600;6603766602;36782697700;7801615894;7403708681;6701527755;7004649825;15049159900
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Bonfiglio A.
- 167.
- ? Title: A dynamic decision model for Smart Grid real time optimal control
- ? Venue: 2012 IEEE International Energy Conference and Exhibition Energycon 2012
- ? Year: 2012
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 4
- ? DOI: 10.1109/EnergyCon.2012.6348221
- ? Scopus ID: 2-s2.0-84870845129
- ? Pages: 587-592
- ? Authors: Bonfiglio A.; Delfino F.; Minciardi R.; Procopio R.; Robba M.
- ? Keywords: Modeling | Optimal Control | Renewable Energy | Smart Grids
- ? Source Id: 21100223117
- ? Author Ids: 36607521000;6603766602;7005785660;7801615894;7004979187
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Bonfiglio A.
- 168.
- ? Title: Power system compensation and management strategies to meet EU 2020 climate&energygoals
- ? Venue: IEEE Power and Energy Society General Meeting
- ? Year: 2012
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 3
- ? Doi: 10.1109/Pesgm.2012.6345083
- ? Scopus ID: 2-s2.0-84870607154
- ? Issn: 19449925
- ? eISSN: 19449933
- ? Authors: Bonfiglio A.; Delfino F.; Invernizzi M.; Pampararo F.; Peveri G.; Procopio R.
- ? Keywords: energy resources | power distribution | power quality | power systems harmonics | power systems modeling | Power transmission

? 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: 36607521000;6603766602;6701527755;36782697700;55512262200;7801615894

? Corresponding: Bonfiglio A.

169.

? 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.

170.

? Title: The Smart Polygeneration Microgrid test-bed facility of Genoa University

? Venue: Proceedings of the Universities Power Engineering Conference

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 38

? Doi: 10.1109/Upec.2012.6398656

? Scopus ID: 2-s2.0-84872837707

? Authors: Bonfiglio A.; Delfino F.; Pampararo F.; Procopio R.; Rossi M.; Barillari L.

? Keywords: IEC 61850 | Low Voltage Smart Grid | Test-Bed Facility

? Source Id: 69722

? Author Ids: 36607521000;6603766602;36782697700;7801615894;7403708681;55568698600

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

? Corresponding: Bonfiglio A.

171.

? 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.

172.

? Title: A feedback linearization scheme for the control of synchronous generators  
? Venue: Electric Power Components and Systems  
? Year: 2012  
? Type: Journal  
? Subtype: Article  
? Citations: 33  
? Doi: 10.1080/15325008.2012.722581  
? Scopus ID: 2-s2.0-84869847548  
? Issn: 15325008  
? eISSN: 15325016  
? Volume: 40  
? Issue: 16  
? Pages: 1842-1869  
? Authors: Bonfiglio Andrea; Delfino Federico; Invernizzi Marco; Perfumo Adriano; Procopio Renato  
? Keywords: feedback linearization | synchronous generators | voltage and power control  
? Quartile:  
2025:  
? Mechanical Engineering (Q2, rank 221, percentile 69)  
? Electrical and Electronic Engineering (Q2, rank 305, percentile 69)  
? Energy Engineering and Power Technology (Q2, rank 113, percentile 65)  
2012:  
? Energy Engineering and Power Technology (Q2, rank 50, percentile 69)  
? Mechanical Engineering (Q2, rank 165, percentile 67)  
? Electrical and Electronic Engineering (Q2, rank 272, percentile 55)  
? Source Id: 16031  
? Author Ids: 36607521000;6603766602;6701527755;36617661500;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153;113212708;60025153  
? Corresponding: Bonfiglio A.

173.

? Title: A synchronous generator circuit model for internal fault analysis and protection system design  
? Venue: International Transactions on Electrical Energy Systems  
? Year: 2012  
? Type: Journal  
? Subtype: Article  
? Citations: 3  
? DOI: 10.1002/etep.1719  
? Scopus ID: 2-s2.0-84884771047  
? eISSN: 20507038  
? Volume: 23  
? Issue: 6  
? Pages: 876-900  
? Authors: Delfino F.; Denegri G. B.; Invernizzi M.; Pampararo F.; Procopio R.  
? Keywords: Circuit modeling | Fault diagnosis | Synchronous generators

? Quartile:

2025:

? Modeling and Simulation (Q1, rank 41, percentile 89)

? Electrical and Electronic Engineering (Q1, rank 200, percentile 80)

? Energy Engineering and Power Technology (Q1, rank 82, percentile 75)

2012:

? Energy Engineering and Power Technology (Q2, rank 51, percentile 68)

? Electrical and Electronic Engineering (Q2, rank 273, percentile 55)

? Modeling and Simulation (Q2, rank 100, percentile 51)

? Source Id: 21100241220

? Author Ids: 6603766602;7004649825;6701527755;36782697700;7801615894

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

? Corresponding: Delfino F.

174.

? Title: Feedback linearisation oriented approach to Q-V control of grid connected photovoltaic units

? Venue: IET Renewable Power Generation

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 33

? DOI: 10.1049/iet-rpg.2011.0075

? Scopus ID: 2-s2.0-84878375869

? Issn: 17521416

? eISSN: 17521424

? Volume: 6

? Issue: 5

? Pages: 324-339

? Authors: Delfino F.; Denegri G. B.; Invernizzi M.; Procopio R.

? Quartile:

2025:

? Renewable Energy, Sustainability and the Environment (Q2, rank 120, percentile 61)

2012:

? Renewable Energy, Sustainability and the Environment (Q1, rank 7, percentile 93)

? Source Id: 5600152809

? Author Ids: 6603766602;7004649825;6701527755;7801615894

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Delfino F.

175.

? 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.

176.

? Title: Prony series representation for the lightning channel base current

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 39

? Doi: 10.1109/Temc.2011.2161636

? Scopus ID: 2-s2.0-84860200637

? Issn: 00189375

? Volume: 54

? Issue: 2

? Pages: 308-315

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

? Keywords: Channel base current | electromagnetic radiation | interpolation | 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)

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: 6603766602;7801615894;7403708681;7003719604

? Authoraffiliationids: 60025153;60025153;60025153;60028186

? Corresponding: Delfino F.

177.

? Title: A feedback linearization control scheme for the integration of wind energy conversion systems into distribution grids

? Venue: IEEE Systems Journal

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 47

? Doi: 10.1109/Jsys.2011.2163002

? Scopus ID: 2-s2.0-84857646014  
? Issn: 19328184  
? eISSN: 19379234  
? Volume: 6  
? Issue: 1  
? Pages: 85-93  
? Authors: Delfino Federico; Pampararo Fabio; Procopio Renato; Rossi Mansueto  
? Keywords: Direct drive | feedback linearization | permanent magnet synchronous generator | wind power  
? 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)  
2012:  
? Electrical and Electronic Engineering (Q1, rank 143, percentile 76)  
? Control and Systems Engineering (Q2, rank 49, percentile 74)  
? Source Id: 11300153734  
? Author Ids: 6603766602;36782697700;7801615894;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Delfino F.

178.

? Title: Lightning electromagnetic field calculations in presence of a conducting ground: The numerical treatment of sommerfeld's integrals  
? Venue: Lightning Electromagnetics  
? Year: 2012  
? Type: Book  
? Subtype: Book Chapter  
? Citations: 0  
? DOI: 10.1049/PBPO062E\_ch13  
? Scopus ID: 2-s2.0-85014280998  
? Pages: 515-565  
? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto  
? Keywords: Conducting ground | Field waveforms | Ground electrical parameters | Ground parameters | Lightning | Lightning electromagnetic field calculations | Lightning electromagnetic field components | Sommerfeld integrals | Stratification effect | Stratified conducting ground  
? Source Id: 21100798524  
? Author Ids: 6603766602;7801615894;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Delfino F.

179.

? 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.

180.

? Title: Quantification of the environmental benefits provided by the application of state-of-the-art technologies to T&D grids  
 ? Venue: Cigre 2011 Bologna Symposium the Electric Power System of the Future Integrating Supergrids and Microgrids  
 ? Year: 2011  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 3  
 ? Scopus ID: 2-s2.0-84877298988  
 ? Authors: Bonfiglio A.; Delfino F.; Denegri G. B.; Invernizzi M.; Pampararo F.; Procopio R.  
 ? Keywords: CO2 emission reduction | Network losses | Renewable energy integration | Smart grids  
 ? Source Id: 21100239401  
 ? Author Ids: 36607521000;6603766602;7004649825;6701527755;36782697700;7801615894  
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
 ? Corresponding: Bonfiglio A.

181.

? Title: Power and voltage control of a synchronous machine: A comparison among different approaches  
 ? Venue: 2011 IEEE Pes Trondheim Powertech the Power of Technology for A Sustainable Society Powertech 2011  
 ? Year: 2011  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 1  
 ? Doi: 10.1109/Ptc.2011.6019275  
 ? Scopus ID: 2-s2.0-80053363225  
 ? Authors: Bonfiglio A.; Delfino F.; Pampararo F.; Procopio R.  
 ? Keywords: Feedback Linearization | Sliding Mode Control | Synchronous Generator  
 ? Source Id: 19900195048  
 ? Author Ids: 36607521000;6603766602;36782697700;7801615894  
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bonfiglio A.

182.

? Title: Rational approximation for the time domain implementation of Cooray-Rubinstein formula

? Venue: 2011 IEEE Pes Trondheim Powertech the Power of Technology for A Sustainable Society Powertech 2011

? Year: 2011

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Ptc.2011.6019451

? Scopus ID: 2-s2.0-80053350888

? Authors: Delfino Federico; Girdinio Paola; Procopio Renato; Rossi Mansueto; Rachidi Farhad

? Keywords: Electromagnetic radiation | ground wave propagation | lightning modeling | lightning return stroke

? Source Id: 19900195048

? Author Ids: 6603766602;7003430835;7801615894;7403708681;7003719604

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

? Corresponding: Delfino F.

183.

? Title: Time-domain implementation of Cooray-Rubinstein formula via convolution integral and rational approximation

? Venue: IEEE Transactions on Electromagnetic Compatibility

? Year: 2011

? Type: Journal

? Subtype: Article

? Citations: 39

? Doi: 10.1109/Temc.2011.2107325

? Scopus ID: 2-s2.0-80052056284

? Issn: 00189375

? Volume: 53

? Issue: 3

? Pages: 755-763

? Authors: Delfino Federico; Girdinio Paola; Procopio Renato; Rossi Mansueto; Rachidi Farhad

? Keywords: Electromagnetic radiation | ground wave propagation | lightning modeling | lightning return stroke

? 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)

2011:

? Electrical and Electronic Engineering (Q1, rank 130, percentile 78)

? Atomic and Molecular Physics, and Optics (Q2, rank 39, percentile 72)

? Condensed Matter Physics (Q2, rank 109, percentile 71)

? Source Id: 26051

? Author Ids: 6603766602;7003430835;7801615894;7403708681;7003719604

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

? Corresponding: Delfino F.

184.

? Title: High-frequency EHV/HV autotransformer model identification from LEMP test data

? Venue: IEEE Transactions on Power Delivery

? Year: 2011  
? Type: Journal  
? Subtype: Article  
? Citations: 11  
? Doi: 10.1109/Tpwr.2009.2039151  
? Scopus ID: 2-s2.0-79953168106  
? Issn: 08858977  
? Volume: 26  
? Issue: 2  
? Pages: 714-724  
? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto  
? Keywords: Electromagnetic transients | identification | lightning electromagnetic pulse (LEMP) tests | power autotransformer | power system simulation  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 98, percentile 90)  
? Energy Engineering and Power Technology (Q1, rank 49, percentile 85)  
2011:  
? Energy Engineering and Power Technology (Q1, rank 14, percentile 91)  
? Electrical and Electronic Engineering (Q1, rank 72, percentile 87)  
? Source Id: 17370  
? Author Ids: 6603766602;7801615894;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Delfino F.

185.

? Title: Lightning electromagnetic radiation over a stratified conducting ground: 2. Validity of simplified approaches  
? Venue: Journal of Geophysical Research Atmospheres  
? Year: 2011  
? Type: Journal  
? Subtype: Article  
? Citations: 43  
? Doi: 10.1029/2010jd015078  
? Scopus ID: 2-s2.0-79958834445  
? Issn: 01480227  
? Volume: 116  
? Issue: 11  
? Authors: Shoory Abdolhamid; Rachidi Farhad; Delfino Federico; Procopio Renato; Rossi Mansueto  
? Quartile:  
2011:  
? Subject (Q1, rank 2, percentile 98)  
? Subject (Q1, rank 4, percentile 97)  
? Subject (Q1, rank 3, percentile 97)  
? Subject (Q1, rank 7, percentile 96)  
? Subject (Q1, rank 4, percentile 95)  
? Subject (Q1, rank 6, percentile 93)  
? Subject (Q1, rank 5, percentile 93)  
? Subject (Q1, rank 8, percentile 93)  
? Subject (Q1, rank 19, percentile 92)  
? Subject (Q1, rank 9, percentile 90)  
? Subject (Q1, rank 9, percentile 90)  
? Subject (Q1, rank 14, percentile 86)  
? Subject (Q1, rank 14, percentile 81)

? Source Id: 28428  
? Author Ids: 12140205500;7003719604;6603766602;7801615894;7403708681  
? Authoraffiliationids: 60028186;60028186;60025153;60025153;60025153  
? Corresponding: Shoory A.

186.

? Title: Lightning electromagnetic radiation over a stratified conducting ground:  
Formulation and numerical evaluation of the electromagnetic fields  
? Venue: Journal of Geophysical Research Atmospheres  
? Year: 2011  
? Type: Journal  
? Subtype: Article  
? Citations: 40  
? Doi: 10.1029/2010jd015077  
? Scopus ID: 2-s2.0-79951891291  
? Issn: 01480227  
? Volume: 116  
? Issue: 4  
? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto; Shoory Abdolhamid;  
Rachidi Farhad  
? Quartile:

2011:

? Subject (Q1, rank 2, percentile 98)  
? Subject (Q1, rank 4, percentile 97)  
? Subject (Q1, rank 3, percentile 97)  
? Subject (Q1, rank 7, percentile 96)  
? Subject (Q1, rank 4, percentile 95)  
? Subject (Q1, rank 6, percentile 93)  
? Subject (Q1, rank 5, percentile 93)  
? Subject (Q1, rank 8, percentile 93)  
? Subject (Q1, rank 19, percentile 92)  
? Subject (Q1, rank 9, percentile 90)  
? Subject (Q1, rank 9, percentile 90)  
? Subject (Q1, rank 14, percentile 86)  
? Subject (Q1, rank 14, percentile 81)

? Source Id: 28428  
? Author Ids: 6603766602;7801615894;7403708681;12140205500;7003719604  
? Authoraffiliationids: 60025153;60025153;60025153;60028186;60028186  
? Corresponding: Delfino F.

187.

? Title: A control algorithm for the maximum power point tracking and the reactive  
power injection from grid-connected PV systems  
? Venue: IEEE Pes General Meeting Pes 2010  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 13  
? Doi: 10.1109/Pes.2010.5590213  
? Scopus ID: 2-s2.0-78649569121  
? Authors: Delfino Federico; Denegri Gio Battista; Invernizzi Marco; Procopio Renato  
? Keywords: Nonlinear systems | Photovoltaic power system | Power system modeling |  
Reactive power control | Voltage control  
? Source Id: 19700182646  
? Author Ids: 6603766602;7004649825;6701527755;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Delfino F.

188.

? Title: The effect of a horizontally stratified ground on lightning electromagnetic fields

? Venue: IEEE International Symposium on Electromagnetic Compatibility

? Year: 2010

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Doi: 10.1109/Isemc.2010.5711245

? Scopus ID: 2-s2.0-79952394856

? Issn: 10774076

? Pages: 45-50

? Authors: Delfino F.; Procopio R.; Rossi M.; Shoory A.; Rachidi F.

? Source Id: 17274

? Author Ids: 6603766602;7801615894;7403708681;12140205500;7003719604

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

? Corresponding: Delfino F.

189.

? Title: Modeling and control of DDPM wind generators

? Venue: Proceedings of the Universities Power Engineering Conference

? Year: 2010

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-78651467585

? Authors: Delfino F.; Denegri G. B.; Invernizzi M.; Pampararo F.; Procopio R.; Rossi M.

? Keywords: Direct drive | Feedback linearization | Permanent magnet synchronous generator | Wind power

? Source Id: 69722

? Author Ids: 6603766602;7004649825;6701527755;36782697700;7801615894;7403708681

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

? Corresponding: Delfino F.

190.

? Title: Integration of large-size photovoltaic systems into the distribution grids: A P-Q chart approach to assess reactive support capability

? Venue: Iet Renewable Power Generation

? Year: 2010

? Type: Journal

? Subtype: Article

? Citations: 70

? DOI: 10.1049/iet-rpg.2009.0134

? Scopus ID: 2-s2.0-77954466620

? Issn: 17521416

? eISSN: 17521424

? Volume: 4

? Issue: 4

? Pages: 329-340

? Authors: Delfino F.; Procopio R.; Rossi M.; Ronda G.

? Quartile:

2025:

? Renewable Energy, Sustainability and the Environment (Q2, rank 120, percentile 61)

? Source Id: 5600152809

? Author Ids: 6603766602;7801615894;7403708681;35189588800

? Authoraffiliationids: 60025153;60025153;60025153;60102057

? Corresponding: Delfino F.

191.

? Title: A P-Q capability chart approach to characterize grid connected PV-units

? Venue: 2009 Cigre Eee Pes Joint Symposium Integration of Wide Scale Renewable Resources into the Power Delivery System

? Year: 2009

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 9

? Scopus ID: 2-s2.0-84877328048

? Authors: Delfino F.; Denegri G. B.; Invernizzi M.; Procopio R.; Ronda G.

? Keywords: Ancillary services | Grid-connected PV units | Renewable in distribution systems

? Source Id: 21100239607

? Author Ids: 6603766602;7004649825;6701527755;7801615894;35189588800

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

? Corresponding: Delfino F.

192.

? Title: An advanced nonlinear control technique for grid connected generating units - Part I: Theory

? Venue: Proceedings of the 9th Wseas lasme International Conference on Electric Power Systems High Voltages Electric Machines Power 09

? Year: 2009

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Scopus ID: 2-s2.0-78149314276

? Pages: 140-146

? Authors: Bonfiglio A.; Delfino F.; Denegri G. B.; Invernizzi M.; Perfumo A.; Procopio R.

? Keywords: Feedback linearization | Synchronous generator | Voltage and power control

? Source Id: 19700182242

? Author Ids: 36607521000;6603766602;7004649825;6701527755;36617661500;7801615894

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

? Corresponding: Bonfiglio A.

193.

? Title: An advanced nonlinear control technique for grid connected generating units - Part II: Simulations

? Venue: Proceedings of the 9th Wseas lasme International Conference on Electric Power Systems High Voltages Electric Machines Power 09

? Year: 2009

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-78149300937

? Pages: 147-152

? Authors: Bonfiglio A.; Delfino F.; Denegri G. B.; Invernizzi M.; Perfumo A.; Procopio R.

? Keywords: Feedback linearization | Synchronous generator | Voltage and power control

? Source Id: 19700182242

? Author Ids: 36607521000;6603766602;7004649825;6701527755;36617661500;7801615894

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

? Corresponding: Bonfiglio A.

194.

? Title: A P-Q capability chart approach to characterize grid connected PV-units

? Venue: 2009 Cigre IEEE Pes Joint Symposium Integration of Wide Scale Renewable Resources into the Power Delivery System Cigre Pes 2009

? Year: 2009

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Scopus ID: 2-s2.0-70449331635

? Authors: Delfino F.; Denegri G. B.; Invernizzi M.; Procopio R.; Ronda G.

? Keywords: Ancillary services | Grid-connected PV units | Renewable in distribution systems

? Source Id: 19400158340

? Author Ids: 6603766602;7004649825;6701527755;7801615894;35189588800

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

? Corresponding: Delfino F.

195.

? Title: Influence of frequency-dependent soil electrical parameters on the evaluation of lightning electromagnetic fields in air and underground

? Venue: Journal of Geophysical Research Atmospheres

? Year: 2009

? Type: Journal

? Subtype: Article

? Citations: 49

? Doi: 10.1029/2008jd011127

? Scopus ID: 2-s2.0-68749090885

? Issn: 01480227

? Volume: 114

? Issue: 11

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

? Source Id: 28428

? Author Ids: 6603766602;7801615894;7403708681;7003719604

? Authoraffiliationids: 60025153;60025153;60025153;60028186

? Corresponding: Delfino F.

196.

? Title: A new method for the solution of convolution-type dual integral-equation systems occurring in engineering electromagnetics

? Venue: Journal of Engineering Mathematics

? Year: 2009

? Type: Journal

? Subtype: Article

? Citations: 4

? DOI: 10.1007/s10665-008-9245-z

? Scopus ID: 2-s2.0-58049211938

? Issn: 00220833

? eISSN: 15732703

? Volume: 63

? Issue: 1

? Pages: 51-59

? Authors: Delfino Federico; Procopio R.; Rossi M.

? Keywords: Convolution-type integral equations | Electrostatic problems | Fourier-series expansion

? Quartile:

2025:

? Mathematics (all) (Q1, rank 94, percentile 77)

? Engineering (all) (Q3, rank 181, percentile 47)

? Source Id: 12485

? Author Ids: 6603766602;7801615894;7403708681

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Delfino F.

197.

? Title: An extended modeling of synchronous generators for internal fault evaluation and protection assessment

? Venue: 42nd International Conference on Large High Voltage Electric Systems 2008 Cigre 2008

? Year: 2008

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Scopus ID: 2-s2.0-84876772459

? Authors: Denegri G. B.; Invernizzi M.; MacCio G.; Procopio R.; Reggio U.

? Keywords: Flux | Fortescue components | Generator | Short-circuit | Turn

? Source Id: 21100238652

? Author Ids: 7004649825;6701527755;6508333746;7801615894;6506491316

? Authoraffiliationids: 60025153;60025153;60073836;60025153;60073836

? Corresponding: Denegri G.

198.

? Title: Performance and control of photovoltaic systems supplying both primary and ancillary services

? Venue: Proceedings of the Universities Power Engineering Conference

? Year: 2008

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Upec.2008.4651484

? Scopus ID: 2-s2.0-68949201616

? Authors: Delfino Federico; Denegri Gio Battista; Invernizzi Marco; Procopio Renato

? Source Id: 69722

? Author Ids: 6603766602;7004649825;6701527755;7801615894

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Delfino F.

199.

? Title: Photovoltaic generating units as reactive supply ancillary service providers

? Venue: International Journal of Emerging Electric Power Systems

? Year: 2008

? Type: Journal

? Subtype: Article

? Citations: 8

? Doi: 10.2202/1553-779x.1872

? Scopus ID: 2-s2.0-55549090023

? Issn: 1553779x

? Volume: 9

? Issue: 4

? Authors: Delfino Federico; Procopio Renato

? Keywords: Ancillary services | Distributed energy resources | PWM converter | Reactive power | Renewable energy resources

? Quartile:

2025:

? Energy Engineering and Power Technology (Q2, rank 147, percentile 55)

? Source Id: 4000151909

? Author Ids: 6603766602;7801615894

? Authoraffiliationids: 60025153;60025153

? Corresponding: Delfino F.

200.

? Title: An integrated active and reactive power control scheme for grid-connected photovoltaic production systems

? Venue: PESC Record IEEE Annual Power Electronics Specialists Conference

? Year: 2008

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 34

? Doi: 10.1109/Pesc.2008.4592142

? Scopus ID: 2-s2.0-52349108362

? Issn: 02759306

? Pages: 1463-1468

? Authors: Delfino F.; Denegri G. B.; Invernizzi M.; Procopio R.

? Source Id: 29048

? Author Ids: 6603766602;7004649825;6701527755;7801615894

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Delfino F.

201.

? Title: Supply-side gaming on electricity markets with physical constrained transmission network

? Venue: 2008 5th International Conference on the European Electricity Market Eem

? Year: 2008

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Eem.2008.4579076

? Scopus ID: 2-s2.0-51749122438

? Authors: Guerri Eric; Rastegar Mohammad Ali; Cincotti Silvano; Delfino Federico; Procopio Renato; Ruga Marco

? Keywords: Agent-based computational economics | Electricity markets | Multi-agent learning

? Source Id: 12100156742

? Author Ids: 9732473300;57035685300;7003713213;6603766602;7801615894;24802573900

? Authoraffiliationids: 60025153;60025153;60000251-60025153;60025153;60025153;60025153

? Corresponding: Guerri E.

202.

? Title: Lightning return stroke current radiation in presence of a conducting ground:

1. Theory and numerical evaluation of the electromagnetic fields

? Venue: Journal of Geophysical Research Atmospheres

? Year: 2008

? Type: Journal

? Subtype: Article

? Citations: 88

? Doi: 10.1029/2007jd008553

? Scopus ID: 2-s2.0-43449114802

? Issn: 01480227

? Volume: 113

? Issue: 5

? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto  
? Source Id: 28428  
? Author Ids: 6603766602;7801615894;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Delfino F.

203.

? Title: Lightning return stroke current radiation in presence of a conducting ground:  
2. Validity assessment of simplified approaches  
? Venue: Journal of Geophysical Research Atmospheres  
? Year: 2008  
? Type: Journal  
? Subtype: Article  
? Citations: 88  
? Doi: 10.1029/2007jd008567  
? Scopus ID: 2-s2.0-43449090987  
? Issn: 01480227  
? Volume: 113  
? Issue: 5  
? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto; Rachidi Farhad; Nucci Carlo Alberto  
? Source Id: 28428  
? Author Ids: 6603766602;7801615894;7403708681;7003719604;7006123266  
? Authoraffiliationids: 60025153;60025153;60025153;60028186;60028218  
? Corresponding: Delfino F.

204.

? Title: Cooray-Rubinstein formula for the evaluation of lightning radial electric fields: Derivation and implementation in the time domain  
? Venue: IEEE Transactions on Electromagnetic Compatibility  
? Year: 2008  
? Type: Journal  
? Subtype: Article  
? Citations: 81  
? Doi: 10.1109/Temc.2007.913226  
? Scopus ID: 2-s2.0-40949165801  
? Issn: 00189375  
? Volume: 50  
? Issue: 1  
? Pages: 194-197  
? Authors: Caligaris Carlo; Delfino Fedirico; Procopio Renato  
? Keywords: Absorbing media | Electromagnetic (EM) radiation | Ground wave propagation | Lightning | Lightning return stroke  
? 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)  
? Source Id: 26051  
? Author Ids: 24536881100;6603766602;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Caligaris C.

205.

? Title: The use of a static series compensator (SSC) for the mitigation of voltage sags in a radial distribution network  
? Venue: 2007 IEEE Lausanne Powertech Proceedings

? Year: 2007  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Pct.2007.4538536  
? Scopus ID: 2-s2.0-50949115460  
? Pages: 1492-1497  
? Authors: Delfino Federico; Denegri Gio Battista; Invernizzi Marco; Procopio Renato  
? Keywords: Custom power | Power quality | Voltage sags  
? Source Id: 12100155509  
? Author Ids: 6603766602;7004649825;6701527755;7801615894  
? Authoraffiliationids: 60000251-60025153;60025153;60025153;60000251-60025153  
? Corresponding: Delfino F.

206.

? Title: An algorithm for the exact evaluation of the underground lightning electromagnetic fields  
? Venue: IEEE Transactions on Electromagnetic Compatibility  
? Year: 2007  
? Type: Journal  
? Subtype: Article  
? Citations: 75  
? Doi: 10.1109/Temc.2007.897127  
? Scopus ID: 2-s2.0-34347397801  
? Issn: 00189375  
? Volume: 49  
? Issue: 2  
? Pages: 401-411  
? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto; Rachidi Farhad; Nucci Carlo Alberto  
? Keywords: Electromagnetic propagation in absorbing media | Lightning | 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)  
? Source Id: 26051  
? Author Ids: 6603766602;7801615894;7403708681;7003719604;7006123266  
? Authoraffiliationids: 60025153;60025153;60025153;60028186;60028218  
? Corresponding: Delfino F.

207.

? Title: On the computation of underground electromagnetic fields generated by lightning: A comparison between different approaches  
? Venue: 2007 IEEE Lausanne Powertech Proceedings  
? Year: 2007  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 15  
? Doi: 10.1109/Pct.2007.4538413  
? Scopus ID: 2-s2.0-50849083143  
? Pages: 772-777  
? Authors: Mimouni Abdenbi; Delfino Federico; Procopio Renato; Rachidi Farhad  
? Keywords: Modeling | Underground lightning electromagnetic fields  
? Source Id: 12100155509  
? Author Ids: 14834131900;6603766602;7801615894;7003719604

? Authoraffiliationids:

60087342-60028186;60000251-60025153;60000251-60025153;60000251-60028186

? Corresponding: Mimouni A.

208.

? Title: An Equivalent Circuit Model For Lemp-Excited Transmission Lines

? Venue: EMC Europe 2006 Barcelona International Symposium on Electromagnetic Compatibility

? Year: 2006

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.23919/Emc.2006.10813078

? Scopus ID: 2-s2.0-86000235013

? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto; Girdinio Paola

? Source Id: 21101280292

? Author Ids: 6603766602;7801615894;7403708681;7003430835

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Delfino F.

209.

? Title: Evaluation Of Underground Lightning Electromagnetic Fields

? Venue: EMC Europe 2006 Barcelona International Symposium on Electromagnetic Compatibility

? Year: 2006

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.23919/Emc.2006.10813048

? Scopus ID: 2-s2.0-86000225991

? Authors: Delfino F.; Procopio R.; Rossi M.; Rachidi F.; Nucci C. A.

? Source Id: 21101280292

? Author Ids: 6603766602;7801615894;7403708681;7003719604;7006123266

? Authoraffiliationids: 60025153;60025153;60025153;60028186;60028218

? Corresponding: Delfino F.

210.

? Title: A field-to-line coupling model for overvoltage analysis in light-rail transit DC traction power systems

? Venue: IEEE Transactions on Power Delivery

? Year: 2006

? Type: Journal

? Subtype: Article

? Citations: 11

? Doi: 10.1109/Tpwr.2005.852357

? Scopus ID: 2-s2.0-33244487177

? Issn: 08858977

? Volume: 21

? Issue: 1

? Pages: 270-277

? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto

? Keywords: Electromagnetic coupling | Electromagnetic transient propagation | Overvoltage protection

? 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: 6603766602;7801615894;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Delfino F.

211.

? Title: Characterization of a railways system overhead transmission line excited by a lightning electromagnetic field  
? Venue: Wit Transactions on Modelling and Simulation  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Scopus ID: 2-s2.0-21544440645  
? Issn: 17464064  
? Pages: 631-641  
? Authors: Delfino F.; Procopio R.; Rossi M.  
? Keywords: Lightning | Overvoltages | Transmission lines | Transportation systems  
? Source Id: 144842  
? Author Ids: 6603766602;7801615894;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Delfino F.

212.

? Title: An effective SSC control scheme for voltage sag compensation  
? Venue: IEEE Transactions on Power Delivery  
? Year: 2005  
? Type: Journal  
? Subtype: Article  
? Citations: 32  
? Doi: 10.1109/Tpwr.2005.848762  
? Scopus ID: 2-s2.0-23944522030  
? Issn: 08858977  
? Volume: 20  
? Issue: 3  
? Pages: 2100-2107  
? Authors: Delfino Bruno; Fornari Federica; Procopio Renato  
? Keywords: Feedback | Feedforward | Power quality | Static Series Compensator (SSC) | Voltage sags | Voltage-source converter (VSC)  
? 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: 7003935351;7004548236;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Delfino B.

213.

? Title: SSC compensation capability of unbalanced voltage sags  
? Venue: IEEE Transactions on Power Delivery  
? Year: 2005  
? Type: Journal  
? Subtype: Article  
? Citations: 32  
? Doi: 10.1109/Tpwr.2005.848756  
? Scopus ID: 2-s2.0-23944513531

? Issn: 08858977  
? Volume: 20  
? Issue: 3  
? Pages: 2030-2037  
? Authors: Fornari Federica; Procopio Renato; Bollen Math H.J.  
? Keywords: Custom power | Phase-angle jump | Power quality | Power-electronic converters | Static series compensator (SSC) | Voltage sags | Voltage-source converter (VSC)  
? 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: 7004548236;7801615894;21933300000  
? Authoraffiliationids: 60025153;60025153;60172251-60007183  
? Corresponding: Fornari F.

214.

? Title: Compensation of voltage sags in a radial network feeding a thyristor bridge controlled load  
? Venue: 2005 IEEE Russia Power Tech Powertech  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Ptc.2005.4524511  
? Scopus ID: 2-s2.0-51549117704  
? Authors: Delfino F.; Fornari F.; Massucco S.; Morini A.; Procopio R.  
? Source Id: 12100156719  
? Author Ids: 6603766602;7004548236;6603357712;7006658135;7801615894  
? Authoraffiliationids: 60000251-60025153;60000251;60000251;60000251;60000251  
? Corresponding: Delfino F.

215.

? Title: Evaluation of capacitance matrix of a finite-length multiconductor transmission line  
? Venue: IEE Proceedings Science Measurement and Technology  
? Year: 2004  
? Type: Conference Proceeding  
? Subtype: Article  
? Citations: 4  
? DOI: 10.1049/ip-smt:20040670  
? Scopus ID: 2-s2.0-7744225363  
? Issn: 13502344  
? Volume: 151  
? Issue: 5  
? Pages: 347-353  
? Authors: Delfino F.; Procopio R.; Rossi M.  
? Source Id: 17419  
? Author Ids: 6603766602;7801615894;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Delfino F.

216.

? Title: Current and near field calculations for cellular base-station collinear array antennas  
? Venue: IEEE Transactions on Magnetism

? Year: 2004  
? Type: Journal  
? Subtype: Article  
? Citations: 2  
? Doi: 10.1109/Tmag.2004.824721  
? Scopus ID: 2-s2.0-2342511587  
? Issn: 00189464  
? Volume: 40  
? Issue: 2 li  
? Pages: 1480-1483  
? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto  
? Keywords: Arrays | Dipole antennas | Electric fields  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q2, rank 334, percentile 66)  
? Electronic, Optical and Magnetic Materials (Q2, rank 134, percentile 56)  
? Source Id: 17364  
? Author Ids: 6603766602;7801615894;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Delfino F.

217.

? Title: Overvoltage protection of Light Railway Transportation Systems  
? Venue: 2003 IEEE Bologna Powertech Conference Proceedings  
? Year: 2003  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 7  
? Doi: 10.1109/Ptc.2003.1304746  
? Scopus ID: 2-s2.0-84861511689  
? Volume: 4  
? Pages: 345-352  
? Authors: Delfino F.; Procopio R.; Rossi M.  
? Keywords: Electric traction | Electromagnetic transient propagation | Overvoltage protection  
? Source Id: 21100496130  
? Author Ids: 6603766602;7801615894;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Delfino F.

218.

? Title: Voltage sag compensation on non-linear loads  
? Venue: 2003 IEEE Bologna Powertech Conference Proceedings  
? Year: 2003  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Ptc.2003.1304723  
? Scopus ID: 2-s2.0-84861489545  
? Volume: 4  
? Pages: 201-208  
? Authors: Delfino B.; Fornari F.; Procopio R.  
? Keywords: Feed-back | Feed-forward | Phase-Shift | Power quality | SSC | Voltage Sags | VSC  
? Source Id: 21100496130  
? Author Ids: 7003935351;7004548236;7801615894

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Delfino B.

219.

? Title: A full-Maxwell algorithm for the field-to-multiconductor line-coupling problem

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

? Year: 2003

? Type: Journal

? Subtype: Article

? Citations: 8

? Doi: 10.1108/03321640310475209

? Scopus ID: 2-s2.0-0041520744

? Issn: 03321649

? Volume: 22

? Issue: 3

? Pages: 789-805

? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto; Nervi Mario

? Keywords: Electromagnetic fields | Electromagnetics | Modelling

? 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: 6603766602;7801615894;7403708681;7003586072

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Delfino F.

220.

? Title: Lightning current identification over a conducting ground plane

? Venue: Radio Science

? Year: 2003

? Type: Journal

? Subtype: Article

? Citations: 11

? Doi: 10.1029/2001rs002521

? Scopus ID: 2-s2.0-0041883649

? Issn: 00486604

? Volume: 38

? Issue: 3

? Pages: 15/11

? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto; Verolino Luigi

? Quartile:

2025:

? Earth and Planetary Sciences (all) (Q2, rank 89, percentile 55)

? Electrical and Electronic Engineering (Q2, rank 483, percentile 51)

? Condensed Matter Physics (Q3, rank 278, percentile 37)

? Source Id: 28580

? Author Ids: 6603766602;7801615894;7403708681;7003322700

? Authoraffiliationids: 60025153;60025153;60025153;60017293

? Corresponding: Delfino F.

221.

? Title: Analysis of several methods for the response evaluation of HF field excited finite lines

? Venue: IEEE Transactions on Magnetism  
? Year: 2003  
? Type: Journal  
? Subtype: Article  
? Citations: 3  
? Doi: 10.1109/Tmag.2003.810369  
? Scopus ID: 2-s2.0-0038182003  
? Issn: 00189464  
? Volume: 39  
? Issue: 3 I  
? Pages: 1606-1609  
? Authors: Delfino Federico; Maradei Francescaromana; Procopio Renato; Rossi Manseuto  
? Keywords: Electromagnetic (EM) compatibility | High-frequency (HF) electromagnetic field | Transmission line modeling  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q2, rank 334, percentile 66)  
? Electronic, Optical and Magnetic Materials (Q2, rank 134, percentile 56)  
? Source Id: 17364  
? Author Ids: 6603766602;57226721394;7801615894;7403708681  
? Authoraffiliationids: 60025153;60032350;60025153;60025153  
? Corresponding: Delfino F.

222.

? Title: Technique for computing the response of a line of finite length excited by high frequency electromagnetic fields  
? Venue: IEE Proceedings Science Measurement and Technology  
? Year: 2002  
? Type: Journal  
? Subtype: Conference Paper  
? Citations: 7  
? DOI: 10.1049/ip-smt:20020637  
? Scopus ID: 2-s2.0-0036708917  
? Issn: 13502344  
? Volume: 149  
? Issue: 5  
? Pages: 289-292  
? Authors: Delfino F.; Procopio R.; Rossi M.; Girdinio P.  
? Source Id: 17419  
? Author Ids: 6603766602;7801615894;7403708681;7003430835  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Delfino F.

223.

? Title: Evaluation of the field coupling to a line of finite length - A comparison between the dual integral equation approach and the moment method  
? Venue: IEEE Transactions on Magnetism  
? Year: 2002  
? Type: Journal  
? Subtype: Article  
? Citations: 7  
? Doi: 10.1109/20.996199  
? Scopus ID: 2-s2.0-0036493587  
? Issn: 00189464  
? Volume: 38  
? Issue: 2 I

? Pages: 769-772  
? Authors: Delfino Federico; Procopio Renato; Girdinio Paola; Andreotti Amedeo; Verolino Luigi  
? Keywords: Electromagnetic compatibility | Transmission line modeling  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q2, rank 334, percentile 66)  
? Electronic, Optical and Magnetic Materials (Q2, rank 134, percentile 56)  
? Source Id: 17364  
? Author Ids: 6603766602;7801615894;7003430835;35564985300;7003322700  
? Authoraffiliationids: 60025153;60025153;60025153;60017293;60017293  
? Corresponding: Delfino F.

224.

? Title: Lightning return stroke current identification via field measurements  
? Venue: Electrical Engineering  
? Year: 2002  
? Type: Journal  
? Subtype: Article  
? Citations: 36  
? DOI: 10.1007/s002020100098  
? Scopus ID: 2-s2.0-0036471171  
? Issn: 09487921  
? Volume: 84  
? Issue: 1  
? Pages: 41-50  
? Authors: Delfino F.; Procopio R.; Andreotti A.; Verolino L.  
? Quartile:  
2025:  
? Applied Mathematics (Q1, rank 136, percentile 79)  
? Electrical and Electronic Engineering (Q2, rank 351, percentile 64)  
? Source Id: 16065  
? Author Ids: 6603766602;7801615894;35564985300;7003322700  
? Authoraffiliationids: 60025153;60025153;60017293;60017293  
? Corresponding: Delfino F.

225.

? Title: Lightning Current Identification in Presence of a Lossy Ground  
? Venue: International Symposium on Electromagnetic Compatibility 2002 EMC Europe Sorrento  
? Year: 2002  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.23919/Emc.2002.10880069  
? Scopus ID: 2-s2.0-85219749302  
? Pages: 939-944  
? Authors: Delfino F.; Procopio R.; Rossi M.; Andreotti A.; Verolino L.  
? Source Id: 21101278680  
? Author Ids: 6603766602;7801615894;7403708681;35564985300;7003322700  
? Authoraffiliationids: 60025153;60025153;60025153;60017293;60017293  
? Corresponding: Delfino F.

226.

? Title: HF Electromagnetic Field Coupling to a Transmission Line of Finite Length over a Perfectly Conducting Ground  
? Venue: International Symposium on Electromagnetic Compatibility 2002 EMC Europe

Sorrento

? Year: 2002

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.23919/Emc.2002.10879847

? Scopus ID: 2-s2.0-84889291023

? Pages: 1231-1236

? Authors: Delfino F.; Procopio R.; Rossi M.; Andreotti A.; Verolino L.

? Source Id: 21101278680

? Author Ids: 6603766602;7801615894;7403708681;35564985300;7003322700

? Authoraffiliationids: 60025153;60025153;60025153;60017293;60017293

? Corresponding: Delfino F.

227.

? Title: Evaluation of forces in magnetic materials by means of energy and co-energy methods

? Venue: European Physical Journal B

? Year: 2002

? Type: Journal

? Subtype: Article

? Citations: 15

? DOI: 10.1140/e10051-002-0005-y

? Scopus ID: 2-s2.0-0041733798

? Issn: 14346028

? Volume: 25

? Issue: 1

? Pages: 31-38

? Authors: Delfino F.; Procopio R.; Rossi M.

? Quartile:

2025:

? Electronic, Optical and Magnetic Materials (Q3, rank 188, percentile 39)

? Condensed Matter Physics (Q3, rank 281, percentile 37)

? Source Id: 27542

? Author Ids: 6603766602;7801615894;7403708681

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Delfino F.