

DELFINO FEDERICO

Overview

- ? Unit: ELE
- ? Role: Professore ordinario
- ? Grade: Prof.Ordinario Legge 240/10 - t.pieno - classe 4
- ? SSD: IIND-08/B (Sistemi elettrici per l'energia)
- ? Scopus ID: 6603766602
- ? Unige Id: 055896
- ? Retrieved at: 2025-11-14T15:15:28.796377

Contact

- ? Email: rettore@unige.it
- ? Phone: +39 010 209 9221
- ? Page: <https://rubrica.unige.it/personale/VUZCU1Nv>
- ? Locations: Campus di Savona - palazzina Lagorio (ED171000104), piano Terra, US171000104.T.024; Balbi 5 - Palazzo Sede dell'Universit` (ED161260401), 2° piano, US161260401.II.003; Opera Pia - padiglione D (ED161450401), 1° piano, US161450401.I.021

Career

- ? Pa, 2012-05-01 ? 2016-01-31
- ? Po, 2016-02-01 ? 2222-02-02

Responsibilities

- ? Title: Componente del Senato Accademico
- ? Unit: Universit` Degli Studi Di Genova
- ? Period: 2020-11-01 ? 2026-10-31

- ? Title: Membro del Comitato per lo sport
- ? Unit: Universit` Degli Studi Di Genova
- ? Period: 2020-11-01 ? 2026-10-31

? Title: Rettore

- ? Unit: Universit` Degli Studi Di Genova
- ? Period: 2020-11-01 ? 2026-10-31

? Title: Componente del Consiglio di Amministrazione

- ? Unit: Universit` Degli Studi Di Genova
- ? Period: 2020-11-01 ? 2026-10-31

Teaching

2025

- ? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Dell'Energia
- ? Power Systems Management (86638), Lm-30 R - Energy Engineering

2024

- ? Power Systems Management (86638), Lm-30 - Energy Engineering
- ? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Dell'Energia

2023

- ? Power Systems Management (86638), Lm-30 - Energy Engineering
- ? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Dell'Energia

2022

? Power Systems Management (86638), Lm-30 - Energy Engineering
? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Meccanica - Energia E Produzione

2021

? Power Systems Management (86638), Lm-30 - Energy Engineering
? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Meccanica - Energia E Produzione

2020

? Power Systems Management (86638), Lm-30 - Energy Engineering
? Sistemi Elettrici Per L'Energia (66309), L-9 - Ingegneria Meccanica - Energia E Produzione

Scopus Metrics

? absolute; Docs: 212; Journals: 98; Conferences: 105; Citations: 3613; H-index: 34
? 15 years (2010-2025); Docs: 168; Journals: 72; Conferences: 87; Citations: 2918; H-index: 32
? 10 years (2015-2025); Docs: 122; Journals: 55; Conferences: 59; Citations: 1850; H-index: 25
? 05 years (2020-2025); Docs: 58; Journals: 28; Conferences: 24; Citations: 589; H-index: 15

Scopus Products

1.

? Title: Levelized cost of electricity in renewable energy communities: Uncertainty propagation analysis
? Venue: Applied Energy
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 24
? DOI: 10.1016/j.apenergy.2024.123278
? Scopus ID: 2-s2.0-85191474168
? Issn: 03062619
? Volume: 366
? Authors: Pagnini Luisa; Bracco Stefano; Delfino Federico; de-Sim^‡n-Mart^‡n Miguel
? Keywords: Levelized cost of electricity | Renewable energy community | Statistical analysis | Uncertainty propagation
? Quartile:

2025:

? Management, Monitoring, Policy and Law (Q1, rank 6, percentile 98)
? Mechanical Engineering (Q1, rank 14, percentile 98)
? Building and Construction (Q1, rank 5, percentile 98)
? Energy (all) (Q1, rank 5, percentile 94)
? Renewable Energy, Sustainability and the Environment (Q1, rank 22, percentile 93)

2024:

? Management, Monitoring, Policy and Law (Q1, rank 5, percentile 98)
? Mechanical Engineering (Q1, rank 14, percentile 98)
? Building and Construction (Q1, rank 5, percentile 98)
? Energy (all) (Q1, rank 5, percentile 94)
? Renewable Energy, Sustainability and the Environment (Q1, rank 22, percentile 92)
? Source Id: 28801
? Author Ids: 55665875600;15049159900;6603766602;55567581000

? Authoraffiliationids: 60025153;60025153;60025153;60020657

? Corresponding: Pagnini L.

2.

? Title: Optimal Operation of an Industrial Microgrid within a Renewable Energy Community: A Case Study of a Greentech Company

? Venue: Energies

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 14

? DOI: 10.3390/en17143567

? Scopus ID: 2-s2.0-85199907673

? eISSN: 19961073

? Volume: 17

? Issue: 14

? Authors: Fresia Matteo; Robbiano Tommaso; Caliano Martina; Delfino Federico; Bracco Stefano

? Keywords: energy management system | industry | microgrid | optimization | renewable energy community | vehicle-to-grid

? 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;59237837200;56012332900;6603766602;15049159900

? Authoraffiliationids: 60025153;60025153;60019637;60025153;60025153

? Corresponding: Fresia M.

3.

? Title: Optimal day-ahead active and reactive power management for microgrids with high penetration of renewables

? Venue: Energy Conversion and Management X

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 35

? DOI: 10.1016/j.ecmx.2024.100598

? Scopus ID: 2-s2.0-85193602408

? eISSN: 25901745

? Volume: 23

? Authors: Fresia Matteo; Bordo Laura; Delfino Federico; Bracco Stefano

? Keywords: Curtailment | Energy management system | Microgrid | Optimization |

Reactive power management | Solar energy | Wind 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)

2024:

- ? Nuclear Energy and Engineering (Q1, rank 6, percentile 93)
- ? Energy Engineering and Power Technology (Q1, rank 37, percentile 87)
- ? Fuel Technology (Q1, rank 20, percentile 85)
- ? Renewable Energy, Sustainability and the Environment (Q1, rank 55, percentile 81)

? Source Id: 21100896269

? Author Ids: 57224008583;59134874500;6603766602;15049159900

? Authoraffiliationids: 60025153;125275232;60025153;60025153

? Corresponding: Fresia M.

4.

? 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.

5.

? Title: EMS for Active and Reactive Power Management in a Polygeneration Microgrid Feeding a PED

? Venue: Energies

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 5
? DOI: 10.3390/en17030610
? Scopus ID: 2-s2.0-85184656702
? eISSN: 19961073
? Volume: 17
? Issue: 3
? Authors: Sawhney Abhinav; Delfino Federico; Bonvini Barbara; Bracco Stefano
? Keywords: E-mobility | EMS | microgrids | MILP | optimization | positive energy district | smart grid | V2G
? 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: 57998075600;6603766602;60067693400;15049159900
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Sawhney A.

6.

? Title: Sustainability to wind actions of a new roofing structure in a green university campus
? Venue: Building and Environment
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1016/j.buildenv.2023.110864
? Scopus ID: 2-s2.0-85172105614
? Issn: 03601323
? Volume: 245
? Authors: Pagnini Luisa; Delfino Federico; Piccardo Giuseppe; Repetto Maria Pia
? Keywords: Environmental impact | Pedestrian wind comfort | Sustainability | Vaulted canopy roofs | Vegetation | Wind actions | Wind-tunnel tests
? Quartile:
2025:
? Geography, Planning and Development (Q1, rank 14, percentile 98)
? Civil and Structural Engineering (Q1, rank 15, percentile 96)
? Building and Construction (Q1, rank 11, percentile 95)
? Environmental Engineering (Q1, rank 18, percentile 92)
2023:
? Geography, Planning and Development (Q1, rank 24, percentile 97)
? Building and Construction (Q1, rank 11, percentile 95)

? Civil and Structural Engineering (Q1, rank 19, percentile 95)
? Environmental Engineering (Q1, rank 15, percentile 92)
? Source Id: 26874
? Author Ids: 55665875600;6603766602;56234624300;7102465236
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Pagnini L.

7.
? Title: Economic and environmental optimal design of a multi-vector energy hub feeding a Local Energy Community
? Venue: Applied Energy
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 20
? DOI: 10.1016/j.apenergy.2023.121259
? Scopus ID: 2-s2.0-85162235474
? Issn: 03062619
? Volume: 347
? Authors: Piazza Giorgio; Delfino Federico; Bergero Stefano; Di Somma Marialaura; Graditi Giorgio; Bracco Stefano
? Keywords: Energy community | Multi-objective optimization | Multi-vector energy hub | Optimal design
? Quartile:

2025:

? Management, Monitoring, Policy and Law (Q1, rank 6, percentile 98)
? Mechanical Engineering (Q1, rank 14, percentile 98)
? Building and Construction (Q1, rank 5, percentile 98)
? Energy (all) (Q1, rank 5, percentile 94)
? Renewable Energy, Sustainability and the Environment (Q1, rank 22, percentile 93)

2023:

? Building and Construction (Q1, rank 1, percentile 99)
? Management, Monitoring, Policy and Law (Q1, rank 5, percentile 98)
? Mechanical Engineering (Q1, rank 12, percentile 98)
? Energy (all) (Q1, rank 4, percentile 95)
? Renewable Energy, Sustainability and the Environment (Q1, rank 15, percentile 94)

? Source Id: 28801

? Author Ids: 57210463638;6603766602;15723388300;56429379700;11839275700;15049159900
? Authoraffiliationids: 60025153;60025153;60025153;60019637;60019637;60025153
? Corresponding: Piazza G.

8.

? Title: A platform for demand response and intentional islanding in distribution grids: The LIVING GRID demonstration project
? Venue: Results in Control and Optimization
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1016/j.rico.2023.100294
? Scopus ID: 2-s2.0-85171337166
? eISSN: 26667207
? Volume: 12
? Authors: Bekhit Remon; Bianco Giovanni; Delfino Federico; Ferro Giulio; Noce C.; Orr^,, Luca; Parodi Luca; Robba Michela; Rossi Mansueto; Valtorta Giovanni
? Keywords: Distribution system operator | Energy management system | Islanding |

Optimization | Smart grids | Transmission system operator

? Quartile:

2025:

- ? Applied Mathematics (Q1, rank 40, percentile 94)
- ? Control and Optimization (Q1, rank 15, percentile 91)
- ? Modeling and Simulation (Q1, rank 37, percentile 90)
- ? Control and Systems Engineering (Q1, rank 78, percentile 79)
- ? Artificial Intelligence (Q2, rank 125, percentile 74)

2023:

- ? Applied Mathematics (Q2, rank 222, percentile 65)
- ? Control and Optimization (Q2, rank 54, percentile 58)
- ? Modeling and Simulation (Q2, rank 162, percentile 50)
- ? Control and Systems Engineering (Q2, rank 161, percentile 50)
- ? Artificial Intelligence (Q3, rank 212, percentile 39)

? Source Id: 21101060462

? Author Ids: 58582896300;57216240455;6603766602;57062015700;15056661900;57220190197;57215421077;7004979187;7403708681;9742019100

? Authoraffiliationids: 60122257;60025153;60025153;60025153;60027994;60122257;60025153;60025153;60025153;60027994

? Corresponding: Bekhit R.

9.

? Title: Distributed operational management of microgrids: a second order dual update approach

? Venue: IFAC Papersonline

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1016/j.ifacol.2023.10.1851

? Scopus ID: 2-s2.0-85184961532

? eISSN: 24058963

? Volume: 56

? Issue: 2

? Pages: 1540-1545

? Authors: Ferro Giulio; Robba Michela; Delfino Federico; Haider Rabab; Annaswamy Anuradha M.

? Keywords: distributed control | Microgrids | second order methods

? Quartile:

2025:

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

2023:

- ? Control and Systems Engineering (Q3, rank 223, percentile 30)

? Source Id: 21100456158

? Author Ids: 57062015700;7004979187;6603766602;57197862731;35569822700

? Authoraffiliationids: 60121711;60121711;60025153;60140949;60140949

? Corresponding: Ferro G.

10.

? 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.

11.

? Title: Impact of electric mobility on the design of renewable energy collective self-consumers

? Venue: Sustainable Energy Grids and Networks

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 27

? DOI: 10.1016/j.segan.2022.100963

? Scopus ID: 2-s2.0-85144057724

? eISSN: 23524677

? Volume: 33

? Authors: Piazza Giorgio; Bracco Stefano; Delfino Federico; Somma Marialaura Di; Graditi Giorgio

? Keywords: Collective self-consumption | Electric mobility | MILP model | Optimal design | Renewable energy

? 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)

2023:

? Control and Systems Engineering (Q1, rank 55, percentile 83)

- ? Electrical and Electronic Engineering (Q1, rank 139, percentile 82)
 - ? Energy Engineering and Power Technology (Q1, rank 54, percentile 80)
 - ? Renewable Energy, Sustainability and the Environment (Q2, rank 73, percentile 73)
 - ? Source Id: 21100371258
 - ? Author Ids: 57210463638;15049159900;6603766602;56429379700;11839275700
 - ? Authoraffiliationids: 60025153;60025153;60025153;60019637;60019637
 - ? Corresponding: Piazza G.
- 12.
- ? 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.
- 13.
- ? 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.
- 14.
- ? Title: University of Genoa best practices in managing Energy and Climate Change
 - ? Venue: Iop Conference Series Earth and Environmental Science
 - ? Year: 2023
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 1

- ? Doi: 10.1088/1755-1315/1194/1/012001
? Scopus ID: 2-s2.0-85173061337
? Issn: 17551307
? eISSN: 17551315
? Volume: 1194
? Issue: 1
? Authors: Massucco S.; Del Borghi A.; Delfino F.; Laiolo P.; Marin V.; Moreschi L.; Vinci A.
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q3, rank 131, percentile 34)
? Environmental Science (all) (Q3, rank 172, percentile 27)
2023:
? Earth and Planetary Sciences (all) (Q3, rank 139, percentile 28)
? Environmental Science (all) (Q4, rank 180, percentile 22)
? Source Id: 19900195068
? Author Ids:
6603357712;57189692396;6603766602;56576462300;58629794500;57207847611;57191195028
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Massucco S.
15.
? 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;700411796;6603766602
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60017293;60026777;60028868;60025153
? Corresponding: Brignone M.
16.
? Title: A hierarchical Building Management System for temperature's optimal control and electric vehicles' integration
? Venue: Energy Conversion and Management X
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 25
? DOI: 10.1016/j.ecmx.2022.100339
? Scopus ID: 2-s2.0-85143724008
? eISSN: 25901745
? Volume: 17
? Authors: Bianco Giovanni; Delfino Federico; Ferro Giulio; Robba Michela; Rossi

Mansueto

? Keywords: Building Management System | Electric vehicles charging | Optimization |

Temperature control

? 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)

2023:

? Nuclear Energy and Engineering (Q1, rank 6, percentile 92)

? Energy Engineering and Power Technology (Q1, rank 49, percentile 82)

? Fuel Technology (Q1, rank 28, percentile 78)

? Renewable Energy, Sustainability and the Environment (Q1, rank 68, percentile 75)

? Source Id: 21100896269

? Author Ids: 57216240455;6603766602;57062015700;7004979187;7403708681

? Authoraffiliationids: 60025153;60025153;60121711;60121711;60025153

? Corresponding: Bianco G.

17.

? Title: An Energy Management System for microgrids including costs, exergy, and stress indexes

? Venue: Sustainable Energy Grids and Networks

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 26

? DOI: 10.1016/j.segan.2022.100915

? Scopus ID: 2-s2.0-85138110492

? eISSN: 23524677

? Volume: 32

? Authors: Caliano Martina; Delfino Federico; Di Somma Marialaura; Ferro Giulio; Graditi Giorgio; Parodi Luca; Robba Michela; Rossi Mansueto

? Keywords: Energy management system | Exergy | Microgrids | Optimization

? 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)

2022:

? Electrical and Electronic Engineering (Q1, rank 138, percentile 81)

? Control and Systems Engineering (Q1, rank 55, percentile 80)

? Energy Engineering and Power Technology (Q1, rank 53, percentile 79)

? Renewable Energy, Sustainability and the Environment (Q2, rank 77, percentile 67)

? Source Id: 21100371258

? Author Ids: 56012332900;6603766602;56429379700;57062015700;11839275700;57215421077;7004979187;7403708681

? Authoraffiliationids:

60083750;60025153;60083750;60121711;60083750;60121711;60121711;60025153

? Corresponding: Caliano M.

18.

? Title: Stochastic Operation Optimization of the Smart Savona Campus as an Integrated Local Energy Community Considering Energy Costs and Carbon Emissions

? Venue: Energies

? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 17
? DOI: 10.3390/en15228418
? Scopus ID: 2-s2.0-85142731581
? eISSN: 19961073
? Volume: 15
? Issue: 22
? Authors: Di Somma Marialaura; Buonanno Amedeo; Caliano Martina; Graditi Giorgio; Piazza Giorgio; Bracco Stefano; Delfino Federico
? Keywords: integrated local energy community | multi-objective approach | sector coupling | stochastic operation optimization
? 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:
56429379700;56287900600;56012332900;11839275700;57210463638;15049159900;6603766602
? Authoraffiliationids: 60019637;60019637;60019637;60019637;60025153;60025153;60025153
? Corresponding: Di Somma M.

19.
? 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.

20.

? Title: Assessment of the Lightning Performance of overhead distribution lines based on Lightning Location Systems data

? Venue: International Journal of Electrical Power and Energy Systems

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 15

? DOI: 10.1016/j.ijepes.2022.108230

? Scopus ID: 2-s2.0-85128990940

? Issn: 01420615

? Volume: 142

? Authors: Nicora Martino; Mestriner Daniele; Brignone Massimo; Bernardi Marina;

Procopio Renato; Fiori Elisabetta; Delfino Federico; Piantini Alexandre; Rachidi Farhad

? Keywords: Lightning Locations Systems | Lightning parameters | Lightning Performance

| Monte Carlo method | Overvoltage protection

? Quartile:

2025:

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

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

2022:

? Electrical and Electronic Engineering (Q1, rank 61, percentile 91)

? Energy Engineering and Power Technology (Q1, rank 26, percentile 89)

? Source Id: 17985

? Author Ids: 57210463204;57115575100;8580886100;56269310700;7801615894;35229110700;6603766602;56045386400;7003719604

? Authoraffiliationids:

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

? Corresponding: Nicora M.

21.

? 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.
22.
? Title: Distributed control for polygeneration microgrids: A Dynamic Market Mechanism approach
? Venue: Control Engineering Practice
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 17
? DOI: 10.1016/j.conengprac.2021.105052
? Scopus ID: 2-s2.0-85122626185
? Issn: 09670661
? Volume: 121
? Authors: Nudell Thomas R.; Brignone Massimo; Robba Michela; Bonfiglio Andrea; Ferro Giulio; Delfino Federico; Annaswamy Anuradha M.
? Keywords: Combined heat and power | Dynamic Market Mechanism | Microgrid | Transactive control
? Quartile:
2025:
? Applied Mathematics (Q1, rank 28, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 143, percentile 85)
? Control and Systems Engineering (Q1, rank 58, percentile 84)
? Computer Science Applications (Q1, rank 171, percentile 82)
2022:
? Applied Mathematics (Q1, rank 17, percentile 97)
? Computer Science Applications (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 89, percentile 88)
? Control and Systems Engineering (Q1, rank 35, percentile 87)
? Source Id: 18174
? Author Ids:
55846033800;8580886100;7004979187;36607521000;57062015700;6603766602;35569822700
? Authoraffiliationids: 117801940;60025153;60025153;60025153;60025153;60025153;60140949
? Corresponding: Nudell T.R.
23.
? Title: Simulation and design of a large thermal storage system: Real data analysis of

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

24.
? Title: On the participation of small-scale high performance combined heat and power plants to the Italian ancillary services market within Virtually Aggregated Mixed Units
? Venue: Energy
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 4
? DOI: 10.1016/j.energy.2021.122275
? Scopus ID: 2-s2.0-85119196605
? Issn: 03605442
? Volume: 239
? Authors: Bracco Stefano; Bianchi Enrico; Bianco Giovanni; Giacchino Alessandro; Ramaglia Alessandro; Delfino Federico
? Keywords: Ancillary services market | Business plan analysis | Combined heat and power | Microturbines | Virtually aggregated mixed units
? 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: 15049159900;57191512790;57216240455;57204650870;55694009200;6603766602
? Authoraffiliationids: 60025153;60073836;60025153;60073836;60073836;60025153
? Corresponding: Bracco S.

25.

? 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
? Corresponding: Bonfiglio A.

26.

? Title: Optimal planning and operation of a small size Microgrid within a Positive Energy District
? Venue: 2022 Aeit International Annual Conference Aeit 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.23919/Aeit56783.2022.9951718
? Scopus ID: 2-s2.0-85143584315
? Authors: Sawhney Abhinav; Bracco Stefano; Delfino Federico; Bonvini Barbara
? Keywords: carbon neutrality | energy management system | microgrid | optimal planning | positive energy district

? Source Id: 21101125262
? Author Ids: 57998075600;15049159900;6603766602;60067693400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Sawhney A.

27.

? Title: Environmental Assessment of a Hybrid Energy System Supporting a Smart Polygeneration Micro-grid
? Venue: Lecture Notes in Networks and Systems
? Year: 2022
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-06825-6_176
? Scopus ID: 2-s2.0-85138622332
? Issn: 23673370
? eISSN: 23673389
? Volume: 482 Lnns
? Pages: 1830-1841
? Authors: Tumminia Giovanni; Aloisio Davide; Ferraro Marco; Antonucci Vincenzo; Cellura Maurizio; Cusenza Maria Anna; Guarino Francesco; Longo Sonia; Delfino Federico; Ferro Giulio; Robba Michela; Rossi Mansueto
? Keywords: Energy storage system | Environmental impacts | Renewable energy systems | Smart grid
? Quartile:
2025:
? Signal Processing (Q3, rank 146, percentile 25)
? Computer Networks and Communications (Q3, rank 410, percentile 25)
? Control and Systems Engineering (Q4, rank 302, percentile 20)
2022:
? Signal Processing (Q4, rank 108, percentile 11)
? Control and Systems Engineering (Q4, rank 256, percentile 10)
? Computer Networks and Communications (Q4, rank 347, percentile 8)
? Source Id: 21100901469
? Author Ids: 57190257052;54894435700;22834045300;7006920652;6701427576;57200687279;56370216400;45661736000;6603766602;57062015700;7004979187;7403708681
? Authoraffiliationids: 60021199;60021199;60021199;60021199;60021199-60017697;60017697;60017697;60017697;60025153;60121711;60121711;60025153
? Corresponding: Tumminia G.

28.

? 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.

29.

? 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.

30.

? Title: Application to Real Case Studies
? Venue: Springerbriefs in Applied Sciences and Technology
? Year: 2022
? Type: Book Series
? Subtype: Book Chapter
? Citations: 7
? Doi: 10.1007/978-3-030-95932-6_4
? Scopus ID: 2-s2.0-85129686319
? Issn: 2191530x
? eISSN: 21915318
? Pages: 77-120
? Authors: de Sim[†]n-Mart[†]n Miguel; Bracco Stefano; Piazza Giorgio; Pagnini Luisa Carlotta; Gonz[‡]lez-Mart[‡]nez Alberto; Delfino Federico
? Quartile:
2025:
? Energy Engineering and Power Technology (Q4, rank 264, percentile 19)
? Mathematics (all) (Q4, rank 358, percentile 13)
? Chemical Engineering (all) (Q4, rank 241, percentile 11)

? Materials Science (all) (Q4, rank 421, percentile 9)

? Engineering (all) (Q4, rank 314, percentile 9)

? Biotechnology (Q4, rank 289, percentile 9)

2022:

? Mathematics (all) (Q4, rank 302, percentile 22)

? Engineering (all) (Q4, rank 252, percentile 16)

? Energy Engineering and Power Technology (Q4, rank 211, percentile 16)

? Chemical Engineering (all) (Q4, rank 229, percentile 15)

? Biotechnology (Q4, rank 252, percentile 15)

? Materials Science (all) (Q4, rank 401, percentile 11)

? Source Id: 21100321695

? Author Ids: 55567581000;15049159900;57210463638;55665875600;56943231800;6603766602

? Authoraffiliationids: 60020657;60025153;60025153;60025153;60020657;60025153

? Corresponding: de Sim^‡n-Mart^‡n M.

31.

? Title: The Role of Energy Communities in the Energy Framework

? Venue: Springerbriefs in Applied Sciences and Technology

? Year: 2022

? Type: Book Series

? Subtype: Book Chapter

? Citations: 4

? Doi: 10.1007/978-3-030-95932-6_2

? Scopus ID: 2-s2.0-85129659689

? Issn: 2191530x

? eISSN: 21915318

? Pages: 7-29

? Authors: de Sim^‡n-Mart^‡n Miguel; Bracco Stefano; Piazza Giorgio; Pagnini Luisa

Carlotta; Gonz^‡lez-Mart^‡nez Alberto; Delfino Federico

? Quartile:

2025:

? Energy Engineering and Power Technology (Q4, rank 264, percentile 19)

? Mathematics (all) (Q4, rank 358, percentile 13)

? Chemical Engineering (all) (Q4, rank 241, percentile 11)

? Materials Science (all) (Q4, rank 421, percentile 9)

? Engineering (all) (Q4, rank 314, percentile 9)

? Biotechnology (Q4, rank 289, percentile 9)

2022:

? Mathematics (all) (Q4, rank 302, percentile 22)

? Engineering (all) (Q4, rank 252, percentile 16)

? Energy Engineering and Power Technology (Q4, rank 211, percentile 16)

? Chemical Engineering (all) (Q4, rank 229, percentile 15)

? Biotechnology (Q4, rank 252, percentile 15)

? Materials Science (all) (Q4, rank 401, percentile 11)

? Source Id: 21100321695

? Author Ids: 55567581000;15049159900;57210463638;55665875600;56943231800;6603766602

? Authoraffiliationids: 60020657;60025153;60025153;60025153;60020657;60025153

? Corresponding: de Sim^‡n-Mart^‡n M.

32.

? Title: Conclusions

? Venue: Springerbriefs in Applied Sciences and Technology

? Year: 2022

? Type: Book Series

? Subtype: Book Chapter

? Citations: 0

? Doi: 10.1007/978-3-030-95932-6_5
? Scopus ID: 2-s2.0-85129619724
? Issn: 2191530x
? eISSN: 21915318
? Pages: 121-125
? Authors: de Sim^‡n-Mart^›n Miguel; Bracco Stefano; Piazza Giorgio; Pagnini Luisa Carlotta; Gonz^‡lez-Mart^›nez Alberto; Delfino Federico
? Quartile:
2025:
? Energy Engineering and Power Technology (Q4, rank 264, percentile 19)
? Mathematics (all) (Q4, rank 358, percentile 13)
? Chemical Engineering (all) (Q4, rank 241, percentile 11)
? Materials Science (all) (Q4, rank 421, percentile 9)
? Engineering (all) (Q4, rank 314, percentile 9)
? Biotechnology (Q4, rank 289, percentile 9)
2022:
? Mathematics (all) (Q4, rank 302, percentile 22)
? Engineering (all) (Q4, rank 252, percentile 16)
? Energy Engineering and Power Technology (Q4, rank 211, percentile 16)
? Chemical Engineering (all) (Q4, rank 229, percentile 15)
? Biotechnology (Q4, rank 252, percentile 15)
? Materials Science (all) (Q4, rank 401, percentile 11)
? Source Id: 21100321695
? Author Ids: 55567581000;15049159900;57210463638;55665875600;56943231800;6603766602
? Authoraffiliationids: 60020657;60025153;60025153;60025153;60020657;60025153
? Corresponding: de Sim^‡n-Mart^›n M.

33.

? Title: Introduction
? Venue: Springerbriefs in Applied Sciences and Technology
? Year: 2022
? Type: Book Series
? Subtype: Editorial
? Citations: 1
? Doi: 10.1007/978-3-030-95932-6_1
? Scopus ID: 2-s2.0-85129608950
? Issn: 2191530x
? eISSN: 21915318
? Pages: 1-5
? Authors: de Sim^‡n-Mart^›n Miguel; Bracco Stefano; Piazza Giorgio; Pagnini Luisa Carlotta; Gonz^‡lez-Mart^›nez Alberto; Delfino Federico
? Quartile:
2025:
? Energy Engineering and Power Technology (Q4, rank 264, percentile 19)
? Mathematics (all) (Q4, rank 358, percentile 13)
? Chemical Engineering (all) (Q4, rank 241, percentile 11)
? Materials Science (all) (Q4, rank 421, percentile 9)
? Engineering (all) (Q4, rank 314, percentile 9)
? Biotechnology (Q4, rank 289, percentile 9)
2022:
? Mathematics (all) (Q4, rank 302, percentile 22)
? Engineering (all) (Q4, rank 252, percentile 16)
? Energy Engineering and Power Technology (Q4, rank 211, percentile 16)
? Chemical Engineering (all) (Q4, rank 229, percentile 15)
? Biotechnology (Q4, rank 252, percentile 15)

? Materials Science (all) (Q4, rank 401, percentile 11)
? Source Id: 21100321695
? Author Ids: 55567581000;15049159900;57210463638;55665875600;56943231800;6603766602
? Authoraffiliationids: 60020657;60025153;60025153;60025153;60020657;60025153
? Corresponding: de Sim^‡n-Mart^‡n M.

34.

? Title: The Levelized Cost of Energy Indicator
? Venue: Springerbriefs in Applied Sciences and Technology
? Year: 2022
? Type: Book Series
? Subtype: Book Chapter
? Citations: 5
? Doi: 10.1007/978-3-030-95932-6_3
? Scopus ID: 2-s2.0-85129577110
? Issn: 2191530x
? eISSN: 21915318
? Pages: 31-76
? Authors: de Sim^‡n-Mart^‡n Miguel; Bracco Stefano; Piazza Giorgio; Pagnini Luisa Carlotta; Gonz^‡lez-Mart^‡nez Alberto; Delfino Federico
? Quartile:

2025:

? Energy Engineering and Power Technology (Q4, rank 264, percentile 19)
? Mathematics (all) (Q4, rank 358, percentile 13)
? Chemical Engineering (all) (Q4, rank 241, percentile 11)
? Materials Science (all) (Q4, rank 421, percentile 9)
? Engineering (all) (Q4, rank 314, percentile 9)
? Biotechnology (Q4, rank 289, percentile 9)

2022:

? Mathematics (all) (Q4, rank 302, percentile 22)
? Engineering (all) (Q4, rank 252, percentile 16)
? Energy Engineering and Power Technology (Q4, rank 211, percentile 16)
? Chemical Engineering (all) (Q4, rank 229, percentile 15)
? Biotechnology (Q4, rank 252, percentile 15)
? Materials Science (all) (Q4, rank 401, percentile 11)

? Source Id: 21100321695
? Author Ids: 55567581000;15049159900;57210463638;55665875600;56943231800;6603766602
? Authoraffiliationids: 60020657;60025153;60025153;60025153;60020657;60025153
? Corresponding: de Sim^‡n-Mart^‡n M.

35.

? Title: A multi-objective energy management system for microgrids: Minimization of costs, exergy in input, and emissions
? Venue: Sest 2021 4th International Conference on Smart Energy Systems and Technologies
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/Sest50973.2021.9543247
? Scopus ID: 2-s2.0-85116640497
? Authors: Delfino Federico; Ferro Giulio; Parodi Luca; Robba Michela; Rossi Mansueto; Caliano Martina; Di Somma Marialaura; Graditi Giorgio
? Keywords: Energy management system | Exergy | Microgrid | Optimization | Smart grid
? Source Id: 21101061293
? Author Ids: 6603766602;57062015700;57215421077;7004979187;7403708681;56012332900;5642

9379700;11839275700

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60019637;60019637;60019637

? Corresponding: Delfino F.

36.

? Title: Key performance indicators for an energy community based on sustainable technologies

? Venue: Sustainability Switzerland

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 32

? DOI: 10.3390/su13168789

? Scopus ID: 2-s2.0-85112342761

? eISSN: 20711050

? Volume: 13

? Issue: 16

? Authors: Bianco Giovanni; Bonvini Barbara; Bracco Stefano; Delfino Federico; Laiolo Paola; Piazza Giorgio

? Keywords: Energy community | Energy efficiency | Hydrogen | Microgrid | Photovoltaics | Renewable energy | Storage | Sustainable energy | Wind

? Quartile:

2025:

? Geography, Planning and Development (Q1, rank 70, percentile 91)

? Environmental Science (miscellaneous) (Q1, rank 37, percentile 87)

? Computer Science (miscellaneous) (Q1, rank 24, percentile 86)

? Management, Monitoring, Policy and Law (Q1, rank 61, percentile 85)

? Computer Networks and Communications (Q1, rank 89, percentile 83)

? Hardware and Architecture (Q1, rank 46, percentile 80)

? Energy Engineering and Power Technology (Q1, rank 65, percentile 80)

? Renewable Energy, Sustainability and the Environment (Q2, rank 96, percentile 69)

2021:

? Geography, Planning and Development (Q1, rank 99, percentile 86)

? Environmental Science (miscellaneous) (Q1, rank 20, percentile 85)

? Computer Science (miscellaneous) (Q1, rank 15, percentile 83)

? Subject (Q1, rank 50, percentile 76)

? Management, Monitoring, Policy and Law (Q1, rank 92, percentile 75)

? Computer Networks and Communications (Q2, rank 105, percentile 70)

? Energy Engineering and Power Technology (Q2, rank 72, percentile 69)

? Hardware and Architecture (Q2, rank 56, percentile 66)

? Renewable Energy, Sustainability and the Environment (Q2, rank 89, percentile 58)

? Source Id: 21100240100

? Author Ids: 57216240455;60067693400;15049159900;6603766602;56576462300;57210463638

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

? Corresponding: Bianco G.

37.

? Title: Short-term power forecasting framework for microgrids using combined baseline and regression models

? Venue: Applied Sciences Switzerland

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 6

? DOI: 10.3390/app11146420

? Scopus ID: 2-s2.0-85110872574

? eISSN: 20763417

? Volume: 11

? Issue: 14

? Authors: Parejo Antonio; Bracco Stefano; Personal Enrique; Larios Diego Francisco; Delfino Federico; Leñn Carlos

? Keywords: Artificial neural networks | Microgrids | Multistep forecasting | Renewable energy sources | Short-term forecasting | Smart grids

? 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: 55293637400;15049159900;57194517010;40661668800;6603766602;24724405600

? Authoraffiliationids: 60033284;60025153;60033284;60033284;60025153;60033284

? Corresponding: Parejo A.

38.

? Title: Optimal design of electric mobility services for a Local Energy Community

? Venue: Sustainable Energy Grids and Networks

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 37

? DOI: 10.1016/j.segan.2021.100440

? Scopus ID: 2-s2.0-85100638236

? eISSN: 23524677

? Volume: 26

? Authors: Piazza G.; Bracco S.; Delfino F.; Siri S.

? Keywords: Bike sharing | Car sharing | Electric mobility services | Electric shuttle | Local energy community | MILP model | Optimization | Renewables | Storage

? 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)

2021:

? Electrical and Electronic Engineering (Q1, rank 131, percentile 81)

? Control and Systems Engineering (Q1, rank 54, percentile 80)

? Energy Engineering and Power Technology (Q1, rank 50, percentile 78)

? Renewable Energy, Sustainability and the Environment (Q2, rank 63, percentile 70)

? Source Id: 21100371258

? Author Ids: 57210463638;15049159900;6603766602;23010350500

- ? Authoraffiliationids: 60025153;60025153;60025153;60121711
? Corresponding: Piazza G.
39.
? 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.
40.
? 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.

41.

? Title: Electromagnetic Transients on Power Plant Connection Caused by Lightning Event

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

2021

? Year: 2021

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? Doi: 10.1109/Atee52255.2021.9425133

? Scopus ID: 2-s2.0-85106716051

? Authors: Nicora Martino; La Fata Alice; Fiori Elisabetta; Delfino Federico

? Keywords: EMC | Lightning | Power system | Protection

? Source Id: 21101046723

? Author Ids: 57210463204;57434749400;35229110700;6603766602

? Authoraffiliationids: 60025153;60025153;112224719;60025153

? Corresponding: Nicora M.

42.

? 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.

43.

? 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;60025153;60028186;60101868
? Corresponding: Brignone M.

44.

? 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.

45.

? Title: Opportunity fast-charging of e-buses: A preliminary study for the city of Savona
? Venue: 2020 Aeit International Conference of Electrical and Electronic Technologies for Automotive Aeit Automotive 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Scopus ID: 2-s2.0-85099676932
? Authors: Leone Carola; Longo Michela; Foiadelli Federica; Bracco Stefano; Piazza Giorgio; Delfino Federico
? Keywords: E-mobility | Electric bus | Opportunity charging | Public transport
? Source Id: 21101034134
? Author Ids: 57204720688;37023170900;22834091600;15049159900;57210463638;6603766602
? Authoraffiliationids: 60023256;60023256;60023256;60025153;60025153;60025153
? Corresponding: Leone C.

46.

? Title: Flexibility Services Based on OpenADR Protocol for DSO Level
? Venue: Sensors Basel Switzerland
? Year: 2020
? Type: Journal

? Subtype: Article
? Citations: 2
? DOI: 10.3390/s20216266
? Scopus ID: 2-s2.0-85095771850
? eISSN: 14248220
? Volume: 20
? Issue: 21
? Authors: Guerrero Alonso Juan Ignacio; Personal Enrique; Garc^áa Sebastián; Parejo Antonio; Rossi Mansueto; Garc^áa Antonio; Delfino Federico; P^{rez} Ricardo; Le^{ón} Carlos
? Keywords: Blockchain | demand-side management | flexibility market | OpenADR standard | smart grid
? Quartile:
2025:
? Instrumentation (Q1, rank 19, percentile 90)
? Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
? Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
? Biochemistry (Q1, rank 72, percentile 84)
? Information Systems (Q1, rank 87, percentile 82)
? Analytical Chemistry (Q1, rank 30, percentile 82)
2020:
? Instrumentation (Q1, rank 13, percentile 90)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 80)
? Information Systems (Q1, rank 69, percentile 79)
? Atomic and Molecular Physics, and Optics (Q1, rank 42, percentile 78)
? Analytical Chemistry (Q1, rank 29, percentile 76)
? Biochemistry (Q2, rank 133, percentile 67)
? Source Id: 130124
? Author Ids: 25633819900;57194517010;57210714463;55293637400;7403708681;21933529900;6603766602;57219845898;24724405600
? Authoraffiliationids:
60033284;60033284;60033284;60033284;60025153;60033284;60025153;60027994;60033284
? Corresponding: Guerrero Alonso J.I.

47.

? Title: Flexibility services based on openadr protocol for dso level
? Venue: Sensors
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 8
? DOI: 10.3390/s20216266
? Scopus ID: 2-s2.0-85095767456
? eISSN: 14248220
? Volume: 20
? Issue: 21
? Authors: Alonso Juan Ignacio Guerrero; Personal Enrique; Garc^áa Sebastián; Parejo Antonio; Rossi Mansueto; Garc^áa Antonio; Delfino Federico; P^{rez} Ricardo; Le^{ón} Carlos
? Keywords: Blockchain | Demand-side management | Flexibility market | OpenADR standard | Smart grid
? Quartile:
2025:
? Instrumentation (Q1, rank 19, percentile 90)
? Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
? Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
? Biochemistry (Q1, rank 72, percentile 84)

- ? Information Systems (Q1, rank 87, percentile 82)
? Analytical Chemistry (Q1, rank 30, percentile 82)
2020:
? Instrumentation (Q1, rank 13, percentile 90)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 80)
? Information Systems (Q1, rank 69, percentile 79)
? Atomic and Molecular Physics, and Optics (Q1, rank 42, percentile 78)
? Analytical Chemistry (Q1, rank 29, percentile 76)
? Biochemistry (Q2, rank 133, percentile 67)
? Source Id: 130124
? Author Ids: 25633819900;57194517010;57210714463;55293637400;7403708681;21933529900;6603766602;57219845898;24724405600
? Authoraffiliationids: 60033284;60033284;60033284;60033284;60025153;60033284;60025153;60027994;60033284
? Corresponding: Alonso J.I.G.
48.
? Title: E-Mobility Microgrid Laboratory at the Savona Campus of Genova University
? Venue: 12th Abeit International Annual Conference Abeit 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Doi: 10.23919/Abeit50178.2020.9241138
? Scopus ID: 2-s2.0-85097136612
? Authors: Bracco Stefano; Delfino Federico; Piazza Giorgio
? Keywords: e-mobility | microgrid | optimization | prosumer building | V2B | V2G
? Source Id: 21101029719
? Author Ids: 15049159900;6603766602;57210463638
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bracco S.
49.
? Title: Smart Charging of Electric Vehicles to Minimize Renewable Power Curtailment in Polygeneration Prosumer Buildings
? Venue: 2020 15th International Conference on Ecological Vehicles and Renewable Energies Ever 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Doi: 10.1109/Ever48776.2020.9243112
? Scopus ID: 2-s2.0-85096671744
? Authors: De Simon-Martin Miguel; De La Puente-Gil Alvaro; Juan Blanes-Peiro Jorge; Bracco Stefano; Delfino Federico; Piazza Giorgio
? Keywords: Electric vehicles | nanogrids | power curtailment | prosumer buildings | renewable energy | smart charging
? Source Id: 21101028404
? Author Ids: 55567581000;57194462807;57190424813;15049159900;6603766602;57210463638
? Authoraffiliationids: 60020657;60020657;60020657;60025153;60025153;60025153
? Corresponding: De Simon-Martin M.
50.
? Title: V2G technology to mitigate PV uncertainties
? Venue: 2020 15th International Conference on Ecological Vehicles and Renewable Energies Ever 2020
? Year: 2020

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Ever48776.2020.9242991
? Scopus ID: 2-s2.0-85096651698
? Authors: Bracco Stefano; Delfino Federico; Piazza Giorgio; De Simon-Martin Miguel
? Keywords: data analysis | electric vehicles | PV estimation | PVGIS | V2G
? Source Id: 21101028404
? Author Ids: 15049159900;6603766602;57210463638;55567581000
? Authoraffiliationids: 60025153;60025153;60025153;60020657
? Corresponding: Bracco S.

51.

? Title: A Building Energy Management System for demand response in smart grids
? Venue: IEEE International Conference on Automation Science and Engineering
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Case48305.2020.9216880
? Scopus ID: 2-s2.0-85094176741
? Issn: 21618070
? eISSN: 21618089
? Volume: 2020-August
? Pages: 1485-1490
? Authors: Bianco G.; Bracco S.; Delfino F.; Gambelli L.; Robba M.; Rossi M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 600, percentile 39)
? Control and Systems Engineering (Q3, rank 240, percentile 37)
? Source Id: 20500195424
? Author Ids: 57216240455;15049159900;6603766602;57216240444;7004979187;7403708681
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bianco G.

52.

? Title: A Demand Response Energy Management System (DR-EMS) for sustainable district
? Venue: 7th International Conference on Control Decision and Information Technologies
Codit 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/CoDIT49905.2020.9263796
? Scopus ID: 2-s2.0-85098246709
? Pages: 551-556
? Authors: Bianco Giovanni; Bracco Stefano; Delfino Federico; Ferro Giulio; Parodi Luca; Robba Michela; Rossi Mansueto
? Source Id: 21101032762
? Author Ids:
57216240455;15049159900;6603766602;57062015700;57215421077;7004979187;7403708681
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bianco G.

53.

? 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.

54.

? Title: Energy Management System for Pulau Ubin Islanded 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.

55.

? Title: Electricity Spot Prices Forecasting for MIBEL by using Deep Learning: A comparison between NAR, NARX and LSTM networks

? Venue: Proceedings 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2020

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160587

? Scopus ID: 2-s2.0-85090413898

? Authors: De Simon-Martin Miguel; Bracco Stefano; Rosales-Asensio Enrique; Piazza Giorgio; Delfino Federico; Giribone Pier Giuseppe

? Keywords: Deep Learning Dynamic Neural Networks | Electricity Markets | Electricity Price Forecasting | LSTM | NAR | NARX | Time Series

? Source Id: 21101021268

? Author Ids: 55567581000;15049159900;56606316400;57210463638;6603766602;59016027900

- ? Authoraffiliationids: 60020657;60020657;60025153;60025153;60025153;60025153
? Corresponding: De Simon-Martin M.
56.
? Title: A Review of Lightning Location Systems: Part 11-Performance Parameters and Existing Networks
? Venue: Proceedings 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160809
? Scopus ID: 2-s2.0-85090407792
? Authors: La Fata Alice; Tosi Irene; Mestriner Daniele; Fiori Elisabetta; Delfino F.
? Keywords: detection efficiency | false alarm rate | lightning location system | location accuracy
? Source Id: 21101021268
? Author Ids: 57434749400;57218846251;57115575100;35229110700;6603766602
? Authoraffiliationids: 60025153;60025153;60025153;102075139;60025153
? Corresponding: La Fata A.
57.
? Title: Hydrogen as an energy vector to optimize the energy exploitation of a self-consumption solar photovoltaic facility in a dwelling house
? Venue: Energy Reports
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 13
? DOI: 10.1016/j.egyr.2019.10.034
? Scopus ID: 2-s2.0-85074538541
? eISSN: 23524847
? Volume: 6
? Pages: 155-166
? Authors: Martínez-García ^ ^-igo; Rosales-Asensio Enrique; González-Martínez Alberto; Bracco Stefano; Delfino Federico; de Simón-Martín Miguel
? Keywords: Energy vector | Hydrogen | Nano-grids | Power storage | Smart grids | Solar photovoltaics
? Quartile:
2025:
? Energy (all) (Q1, rank 11, percentile 86)
2020:
? Energy (all) (Q2, rank 25, percentile 62)
? Source Id: 21100389511
? Author Ids: 57211586835;56606316400;56943231800;15049159900;6603766602;55567581000
? Authoraffiliationids: 60020657;60020657;60020657;60025153;60025153;60020657
? Corresponding: Martínez-García ^ .
58.
? Title: A building energy management system based on an equivalent electric circuit model
? Venue: Energies
? Year: 2020
? Type: Journal
? Subtype: Article

? Citations: 25
? DOI: 10.3390/en13071689
? Scopus ID: 2-s2.0-85082884408
? eISSN: 19961073
? Volume: 13
? Issue: 7
? Authors: Bianco Giovanni; Bracco Stefano; Delfino Federico; Gambelli Lorenzo; Robba Michela; Rossi Mansueto
? Keywords: Building energy management system | Equivalent electric circuit | Optimization | Simulation

? 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: 57216240455;15049159900;6603766602;57216240444;7004979187;7403708681
? Authoraffiliationids: 60025153-60121711;60025153;60025153;60025153;60121711;60025153
? Corresponding: Bianco G.

59.
? Title: An Energy Management Platform for the Optimal Control of Active and Reactive Powers in Sustainable Microgrids
? Venue: IEEE Transactions on Industry Applications
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 60
? Doi: 10.1109/Tia.2019.2913532
? Scopus ID: 2-s2.0-85075429475
? Issn: 00939994
? eISSN: 19399367
? Volume: 55
? Issue: 6
? Pages: 7146-7156
? Authors: Delfino Federico; Ferro Giulio; Robba Michela; Rossi Mansueto
? Keywords: Energy management system (EMS) | optimal control | optimization | predictive control | smart microgrids
? 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)

2019:

- ? Industrial and Manufacturing Engineering (Q1, rank 30, percentile 91)
- ? Electrical and Electronic Engineering (Q1, rank 76, percentile 88)
- ? Control and Systems Engineering (Q1, rank 29, percentile 88)
- ? Source Id: 17361
- ? Author Ids: 6603766602;57062015700;7004979187;7403708681
- ? Authoraffiliationids: 60025153;60121711;60121711;60025153
- ? Corresponding: Delfino F.

60.

- ? Title: Design of a sustainable polygeneration microgrid for the retrofitting of an industrial site: Ansaldo Energia case study
- ? Venue: E3s Web of Conferences
- ? Year: 2019
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 2
- ? DOI: 10.1051/e3sconf/201911303009
- ? Scopus ID: 2-s2.0-85071867297
- ? Issn: 25550403
- ? eISSN: 22671242
- ? Volume: 113
- ? Authors: Bianchi Enrico; Bracco Stefano; Cannizzaro Fabio; Delfino Federico; Giacchino Alessandro
- ? Source Id: 21100795900
- ? Author Ids: 57191512790;15049159900;57210914509;6603766602;57204650870
- ? Authoraffiliationids: 60073836;60025153;60025153;60025153;60073836
- ? Corresponding: Bianchi E.

61.

- ? Title: Evaluating LCOE in sustainable microgrids for smart city applications
- ? Venue: E3s Web of Conferences
- ? Year: 2019
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 6
- ? DOI: 10.1051/e3sconf/201911303006
- ? Scopus ID: 2-s2.0-85071835988
- ? Issn: 25550403
- ? eISSN: 22671242
- ? Volume: 113
- ? Authors: Bracco Stefano; Delfino Federico; Laiolo Paola; Pagnini Luisa; Piazza Giorgio
- ? Source Id: 21100795900
- ? Author Ids: 15049159900;6603766602;56576462300;55665875600;57210463638
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Bracco S.

62.

- ? 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.
63.
? Title: Nanogrids with renewable sources, electrical storage and vehicle-to-home systems in the household sector: Analysis for a single-family dwelling
? Venue: 2019 IEEE Milan Powertech Powertech 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Ptc.2019.8810757
? Scopus ID: 2-s2.0-85072340311
? Authors: Bracco Stefano; Delfino Federico; Piazza Giorgio; Foiadelli Federica; Longo Michela
? Keywords: Electrical loads | Nanogrids | Photovoltaics | Storage system | Vehicle-to-home
? Source Id: 21100929352
? Author Ids: 15049159900;6603766602;57210463638;22834091600;37023170900
? Authoraffiliationids: 60025153;60025153;60025153;60023256;60023256
? Corresponding: Bracco S.
64.
? 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.
65.
? Title: Integration of electric mobility services within an existing polygeneration microgrid
? 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: 7
? Doi: 10.1109/Eeeic.2019.8783664
? Scopus ID: 2-s2.0-85070834824
? Authors: Piazza G.; Bracco S.; Siri S.; Delfino F.
? Source Id: 21100924363
? Author Ids: 57210463638;15049159900;23010350500;6603766602
? Authoraffiliationids: 60025153;60025153;60121711;60025153
? Corresponding: Piazza G.
66.
? 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.
67.
? Title: A flexible test-bed pilot facility for the analysis and simulation of Smart Microgrids
? 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: 12
? Doi: 10.1109/Eeeic.2019.8783875
? Scopus ID: 2-s2.0-85070807380
? Authors: De Sim^n-Mart^n Miguel; Bracco Stefano; Rossi Mansueto; Delfino Federico; Gonz^lez-Mart^nez Alberto; Blanes-Peir^t Jorge Juan

? Keywords: key performance indicator | LCOE | living laboratory | microgrid | polygeneration
? Source Id: 21100924363
? Author Ids: 55567581000;15049159900;7403708681;6603766602;56943231800;57190424813
? Authoraffiliationids: 60020657;60025153;60025153;60025153;60020657;60020657
? Corresponding: De Simon-Marton M.

68.

? Title: On the integration of solar PV and storage batteries within a microgrid
? 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: 3
? Doi: 10.1109/Eeeic.2019.8783861
? Scopus ID: 2-s2.0-85070802080
? Authors: Bracco Stefano; Delfino Federico; Foiadelli Federica; Longo Michela
? Keywords: management | microgrid | optimization | photovoltaic | storage
? Source Id: 21100924363
? Author Ids: 15049159900;6603766602;22834091600;37023170900
? Authoraffiliationids: 60025153;60025153;60023256;60023256
? Corresponding: Bracco S.

69.

? Title: Identification and optimal control of an electrical storage system for microgrids with renewables
? Venue: Sustainable Energy Grids and Networks
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 47
? DOI: 10.1016/j.segan.2018.100183
? Scopus ID: 2-s2.0-85059831486
? eISSN: 23524677
? Volume: 17
? Authors: Delfino Federico; Ferro Giulio; Minciardi Riccardo; Robba Michela; Rossi Marco; Rossi Mansueto
? Keywords: Battery | Identification | Model predictive control | Optimization | Renewables | Smart microgrid
? 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)
2019:
? Electrical and Electronic Engineering (Q1, rank 101, percentile 85)
? Energy Engineering and Power Technology (Q1, rank 33, percentile 84)
? Control and Systems Engineering (Q1, rank 41, percentile 83)
? Renewable Energy, Sustainability and the Environment (Q2, rank 46, percentile 74)
? Source Id: 21100371258
? Author Ids: 6603766602;57062015700;7005785660;7004979187;57683874100;7403708681
? Authoraffiliationids: 120591612;60121711;60121711;60121711;60121711;120591612
? Corresponding: Delfino F.

70.

? Title: Electric Vehicles and Storage Systems Integrated within a Sustainable Urban District Fed by Solar Energy
? Venue: Journal of Advanced Transportation
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 15
? Doi: 10.1155/2019/9572746
? Scopus ID: 2-s2.0-85077499599
? Issn: 01976729
? eISSN: 20423195
? Volume: 2019
? Authors: Bracco Stefano; Delfino Federico; Longo Michela; Siri Silvia
? Quartile:
2025:
? Economics and Econometrics (Q1, rank 172, percentile 76)
? Automotive Engineering (Q1, rank 33, percentile 75)
? Mechanical Engineering (Q2, rank 201, percentile 72)
? Computer Science Applications (Q2, rank 315, percentile 67)
? Strategy and Management (Q2, rank 180, percentile 64)
2019:
? Economics and Econometrics (Q1, rank 151, percentile 76)
? Automotive Engineering (Q2, rank 26, percentile 71)
? Strategy and Management (Q2, rank 131, percentile 69)
? Mechanical Engineering (Q2, rank 202, percentile 65)
? Computer Science Applications (Q2, rank 263, percentile 58)
? Source Id: 18895
? Author Ids: 15049159900;6603766602;37023170900;23010350500
? Authoraffiliationids: 60025153;60025153;60023256;60121711
? Corresponding: Bracco S.

71.

? 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.

72.

? Title: Planning & open-air demonstrating smart city sustainable districts
? Venue: Sustainability Switzerland
? Year: 2018
? Type: Journal
? Subtype: Article

? Citations: 45
? DOI: 10.3390/su10124636
? Scopus ID: 2-s2.0-85058030650
? eISSN: 20711050
? Volume: 10
? Issue: 12
? Authors: Bracco Stefano; Delfino Federico; Laiolo Paola; Morini Andrea
? Keywords: Living lab | Smart city | Sustainability | Sustainable energy | Sustainable environment | Wellbeing
? Quartile:
2025:
? Geography, Planning and Development (Q1, rank 70, percentile 91)
? Environmental Science (miscellaneous) (Q1, rank 37, percentile 87)
? Computer Science (miscellaneous) (Q1, rank 24, percentile 86)
? Management, Monitoring, Policy and Law (Q1, rank 61, percentile 85)
? Computer Networks and Communications (Q1, rank 89, percentile 83)
? Hardware and Architecture (Q1, rank 46, percentile 80)
? Energy Engineering and Power Technology (Q1, rank 65, percentile 80)
? Renewable Energy, Sustainability and the Environment (Q2, rank 96, percentile 69)
2018:
? Geography, Planning and Development (Q1, rank 143, percentile 78)
? Management, Monitoring, Policy and Law (Q2, rank 110, percentile 64)
? Renewable Energy, Sustainability and the Environment (Q3, rank 81, percentile 49)
? Source Id: 21100240100
? Author Ids: 15049159900;6603766602;56576462300;7006658135
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bracco S.

73.

? Title: An architecture for the optimal control of tertiary and secondary levels in small-size islanded microgrids
? Venue: International Journal of Electrical Power and Energy Systems
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 29
? DOI: 10.1016/j.ijepes.2018.05.026
? Scopus ID: 2-s2.0-85047242343
? Issn: 01420615
? Volume: 103
? Pages: 75-88
? Authors: Delfino Federico; Ferro Giulio; Robba Michela; Rossi Mansueto
? Keywords: Optimal control | Optimization | Power systems | Predictive control | Smart grids
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 57, percentile 94)
? Energy Engineering and Power Technology (Q1, rank 25, percentile 92)
2018:
? Energy Engineering and Power Technology (Q1, rank 10, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 41, percentile 93)
? Source Id: 17985
? Author Ids: 6603766602;57062015700;7004979187;7403708681
? Authoraffiliationids: ;60121711;60121711;
? Corresponding: Delfino F.

74.

? Title: An Optimization Model for Polygeneration Microgrids with Renewables, Electrical and Thermal Storage: Application to the Savona Campus
? Venue: Proceedings 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 12
? Doi: 10.1109/Eeeic.2018.8493965
? Scopus ID: 2-s2.0-85056538673
? Authors: Bracco Stefano; Brignone Massimo; Delfino Federico; Pampararo Fabio; Rossi Mansueto; Ferro Giulio; Robba Michela
? Keywords: Demand response | district heating | polygeneration microgrids | renewable energy | thermal storage
? Source Id: 21100885800
? Author Ids:
15049159900;8580886100;6603766602;36782697700;7403708681;57062015700;7004979187
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60121711;60121711
? Corresponding: Bracco S.

75.

? Title: Energy planning of sustainable districts: Towards the exploitation of small size intermittent renewables in urban areas
? Venue: Applied Energy
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 57
? DOI: 10.1016/j.apenergy.2018.07.074
? Scopus ID: 2-s2.0-85050277949
? Issn: 03062619
? Volume: 228
? Pages: 2288-2297
? Authors: Bracco Stefano; Delfino Federico; Ferro Giulio; Pagnini Luisa; Robba Michela; Rossi Mansueto
? Keywords: Cogeneration | Distributed resources | Optimal planning | Renewable energy | Smart district
? Quartile:
2025:
? Management, Monitoring, Policy and Law (Q1, rank 6, percentile 98)
? Mechanical Engineering (Q1, rank 14, percentile 98)
? Building and Construction (Q1, rank 5, percentile 98)
? Energy (all) (Q1, rank 5, percentile 94)
? Renewable Energy, Sustainability and the Environment (Q1, rank 22, percentile 93)
2018:
? Building and Construction (Q1, rank 1, percentile 99)
? Management, Monitoring, Policy and Law (Q1, rank 2, percentile 99)
? Energy (all) (Q1, rank 1, percentile 99)
? Mechanical Engineering (Q1, rank 7, percentile 98)
? Source Id: 28801
? Author Ids: 15049159900;6603766602;57062015700;55665875600;7004979187;7403708681
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bracco S.

76.

- ? 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;60025153;60022134
- ? Corresponding: Bonfiglio A.

77.

- ? Title: Electrical storage systems based on Sodium/Nickel chloride batteries: A mathematical model for the cell electrical parameter evaluation validated on a real smart microgrid application
- ? Venue: Journal of Power Sources
- ? Year: 2018
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 29
- ? DOI: 10.1016/j.jpowsour.2018.07.115
- ? Scopus ID: 2-s2.0-85050926097
- ? Issn: 03787753
- ? Volume: 399
- ? Pages: 372-382
- ? Authors: Bracco Stefano; Delfino Federico; Trucco Angela; Zin Stefano
- ? Keywords: Electrical storage systems | Electrochemical cell model | Experimental validation | Smart microgrid | Sodium/Nickel chloride batteries
- ? Quartile:
- 2025:
 - ? Electrical and Electronic Engineering (Q1, rank 71, percentile 92)
 - ? Energy Engineering and Power Technology (Q1, rank 33, percentile 90)
 - ? Physical and Theoretical Chemistry (Q1, rank 21, percentile 89)
 - ? Renewable Energy, Sustainability and the Environment (Q1, rank 57, percentile 81)
- 2018:
 - ? Energy Engineering and Power Technology (Q1, rank 4, percentile 98)
 - ? Electrical and Electronic Engineering (Q1, rank 15, percentile 97)
 - ? Physical and Theoretical Chemistry (Q1, rank 7, percentile 95)

- ? Renewable Energy, Sustainability and the Environment (Q1, rank 10, percentile 94)
? Source Id: 18063
? Author Ids: 15049159900;6603766602;8135855700;57188586312
? Authoraffiliationids: 60025153;60025153;60025153;116728375
? Corresponding: Bracco S.
78.
? Title: Modelling and simulating a thermal storage system for the Savona campus smart polygeneration micro grid
? Venue: Modelling Measurement and Control C
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 2
? DOI: 10.18280/mmc-c.790304
? Scopus ID: 2-s2.0-85056883148
? Issn: 12595977
? Volume: 79
? Issue: 3
? Pages: 83-89
? Authors: Brignone Massimo; Delfino Federico; Devia Francesco; Fossa Marco; Pampararo Fabio
? Keywords: Optimization and control | Polygeneration | Smart grid | Thermal energy storage
? Source Id: 28531
? Author Ids: 8580886100;6603766602;9336269900;7003385604;36782697700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Brignone M.
79.
? Title: Data-driven photovoltaic power production nowcasting and forecasting for polygeneration microgrids
? Venue: IEEE Systems Journal
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 38
? Doi: 10.1109/Jsyst.2017.2688359
? Scopus ID: 2-s2.0-85018521775
? Issn: 19328184
? eISSN: 19379234
? Volume: 12
? Issue: 3
? Pages: 2842-2853
? Authors: Oneto Luca; Laureri Federica; Robba Michela; Delfino Federico; Anguita Davide
? Keywords: Energy management system | Extreme learning machines (ELM) | Forecasting | Kernel methods (KMs) | Microgrids | Model selection (MS) | Nowcasting | Photovoltaic power production (PvPP) | Random forests (RFs)
? 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)

2018:

- ? Electrical and Electronic Engineering (Q1, rank 79, percentile 88)
- ? Control and Systems Engineering (Q1, rank 29, percentile 88)
- ? Computer Science Applications (Q1, rank 73, percentile 87)
- ? Computer Networks and Communications (Q1, rank 38, percentile 87)
- ? Information Systems (Q1, rank 39, percentile 86)
- ? Source Id: 11300153734
- ? Author Ids: 41262130900;57015513200;7004979187;6603766602;7004764744
- ? Authoraffiliationids: 60121711;60121711;60121711;60121711;60121711
- ? Corresponding: Oneto L.

80.

- ? 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.

81.

? Title: A bi-level approach for the management of microgrids
? Venue: IFAC Papersonline
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? DOI: 10.1016/j.ifacol.2018.11.720
? Scopus ID: 2-s2.0-85058207997
? eISSN: 24058963
? Volume: 51
? Issue: 28
? Pages: 309-314
? Authors: Ferro G.; Minciardi R.; Delfino F.; Rossi M.; Robba M.
? Keywords: Energy Management System | microgrids | Optimal control | optimization | power systems
? Quartile:
2025:
? Control and Systems Engineering (Q3, rank 218, percentile 42)
2018:
? Control and Systems Engineering (Q3, rank 161, percentile 32)
? Source Id: 21100456158
? Author Ids: 57062015700;7005785660;6603766602;7403708681;7004979187
? Authoraffiliationids: 60121711;60121711;120591612;120591612;60121711
? Corresponding: Ferro G.

82.

? 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 Mansuetto
? 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.

83.

? 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/Jsyst.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.

84.
? 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.

85.
? Title: Identification and management of an electrical storage system for application
in photovoltaic installations
? Venue: IEEE International Conference on Control and Automation Icca

? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1109/Iccsa.2017.8003178
? Scopus ID: 2-s2.0-85029909537
? Issn: 19483449
? eISSN: 19483457
? Pages: 886-891
? Authors: Delfino F.; Ferro G.; Minciardi R.; Robba M.; Rossi M.
? Keywords: electrical storage | identification | microgrids | model predictive control | optimization
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q3, rank 273, percentile 33)
? Electrical and Electronic Engineering (Q3, rank 719, percentile 28)
? Artificial Intelligence (Q3, rank 371, percentile 25)
? Control and Systems Engineering (Q4, rank 293, percentile 22)
? Computer Science Applications (Q4, rank 765, percentile 22)
? Source Id: 21100199742
? Author Ids: 6603766602;57062015700;7005785660;7004979187;7403708681
? Authoraffiliationids: 60025153;60121711;60121711;60121711;60025153-60121711
? Corresponding: Delfino F.

86.

? 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.

87.

? Title: Decentralized generation in urban districts: Optimal planning considering uncertainties
? 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: 1
? Doi: 10.1109/Eeeic.2017.7977463
? Scopus ID: 2-s2.0-85026743852

? Authors: Bracco Stefano; Delfino Federico; Rossi Mansueto; Robba Michela; Pagnini Luisa

? Keywords: Cogeneration | Optimal planning | Photovoltaic | Smart districts | Wind turbines

? Source Id: 21100826217

? Author Ids: 15049159900;6603766602;7403708681;7004979187;55665875600

? Authoraffiliationids: 60025153;60025153;60025153;60121711;60025153

? Corresponding: Bracco S.

88.

? Title: Smart microgrid monitoring: Evaluation of key performance indicators for a PV plant connected to a LV microgrid

? Venue: 2017 IEEE Pes Innovative Smart Grid Technologies Conference Europe Isgt Europe 2017 Proceedings

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? DOI: 10.1109/ISGTEurope.2017.8260322

? Scopus ID: 2-s2.0-85046287118

? Volume: 2018-January

? Pages: 1-6

? Authors: Bracco Stefano; Delfino Federico; Foiadelli Federica; Longo Michela

? Keywords: data acquisition | key performance indicators | microgrid | photovoltaic systems

? Source Id: 21100958325

? Author Ids: 15049159900;6603766602;22834091600;37023170900

? Authoraffiliationids: 60025153;60025153;60023256;60023256

? Corresponding: Bracco S.

89.

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

? Venue: IFAC Papersonline

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 14

? DOI: 10.1016/j.ifacol.2017.08.2040

? Scopus ID: 2-s2.0-85031822309

? eISSN: 24058963

? Volume: 50

? Issue: 1

? Pages: 10033-10039

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

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

? Quartile:

2025:

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

2017:

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

? Source Id: 21100456158

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

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

? Corresponding: R Nudell T.

90.

? 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.

91.

? 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.
- 92.
- ? 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.
- 93.
- ? 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.

94.

? 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.

95.

? 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.
96.
? Title: Electric Vehicle Use in Public Fleets: The Case of the Genoa University
? 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: 4
? Doi: 10.1109/Ciem.2017.8120773
? Scopus ID: 2-s2.0-85041226956
? Pages: 490-494
? Authors: Foiadelli Federica; Longo Michela; Delfino Federico; Bracco Stefano; Spina
Domenico; Dhaene Tom
? Keywords: Electric vehicles | Electrical storage systems | Modeling | Renewable
energy sources | Smart microgrids
? Source Id: 21100933089
? Author Ids: 22834091600;37023170900;6603766602;15049159900;57195345985;6603882624
? Authoraffiliationids: 60023256;60023256;60025153;60025153;60033316;60033316
? Corresponding: Foiadelli F.
97.
? Title: A mathematical model for the dynamic simulation of low size cogeneration gas
turbines within smart microgrids
? Venue: Energy
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 47
? DOI: 10.1016/j.energy.2016.11.033

? Scopus ID: 2-s2.0-85006797214

? Issn: 03605442

? Volume: 119

? Pages: 710-723

? Authors: Bracco Stefano; Delfino Federico

? Keywords: Cogeneration | Dynamic simulation | Microturbine | Smart microgrid

? 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: 15049159900;6603766602

? Authoraffiliationids: 60025153;60025153

? Corresponding: Bracco S.

98.

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

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

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1109/IISA.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.

99.

? 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.
100.
? 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.
101.
? Title: An optimization model for the integration of electric vehicles and smart grids
? Problem definition and experimental validation

? Venue: IEEE 2nd International Smart Cities Conference Improving the Citizens Quality of Life Isc2 2016 Proceedings
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 20
? Doi: 10.1109/Isc2.2016.7580797
? Scopus ID: 2-s2.0-84994141795
? Authors: Laureri F.; Puliga L.; Robba M.; Delfino F.; Odena Bult† G.
? Keywords: Electric vehicles | Energy management | Optimization | Smart grid
? Source Id: 21100784246
? Author Ids: 57015513200;57191842715;7004979187;6603766602;57191840000
? Authoraffiliationids: 60121711;60121711;60121711;60025153;60027994
? Corresponding: Laureri F.

102.

? Title: Smart microgrids in smart campuses with electric vehicles and storage systems: Analysis of possible operating scenarios
? Venue: IEEE 2nd International Smart Cities Conference Improving the Citizens Quality of Life Isc2 2016 Proceedings
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 18
? Doi: 10.1109/Isc2.2016.7580794
? Scopus ID: 2-s2.0-84994134055
? Authors: Brenna Morris; Foiadelli Federica; Longo Michela; Bracco Stefano; Delfino Federico
? Keywords: Electric vehicles | Electrical storage systems | Renewable energy sources | Smart microgrids
? Source Id: 21100784246
? Author Ids: 8958410500;22834091600;37023170900;15049159900;6603766602
? Authoraffiliationids: 60023256;60023256;60023256;60025153;60025153
? Corresponding: Brenna M.

103.

? Title: Optimal planning of the energy production mix in smart districts including renewable and cogeneration power plants
? Venue: IEEE 2nd International Smart Cities Conference Improving the Citizens Quality of Life Isc2 2016 Proceedings
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Isc2.2016.7580795
? Scopus ID: 2-s2.0-84994097608
? Authors: Bracco Stefano; Delfino Federico; Rossi Mansueto; Robba Michela; Pagnini Luisa
? Keywords: Cogeneration | Optimal planning | Photovoltaic | Smart districts | Wind turbines
? Source Id: 21100784246
? Author Ids: 15049159900;6603766602;7403708681;7004979187;55665875600
? Authoraffiliationids: 60025153;60025153;60025153;60121711;60025153
? Corresponding: Bracco S.

104.

? Title: Sustainable electric mobility analysis in the Savona Campus of the University

of Genoa

? Venue: Eeeic 2016 International Conference on Environment and Electrical Engineering

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Doi: 10.1109/Eeeic.2016.7555562

? Scopus ID: 2-s2.0-84988409090

? Authors: Brenna Morris; Foiadelli Federica; Longo Michela; Bracco Stefano; Delfino Federico

Federico

? Keywords: data analysis | electric vehicles | Smart microgrid

? Source Id: 21100780440

? Author Ids: 8958410500;22834091600;37023170900;15049159900;6603766602

? Authoraffiliationids: 60023256;60023256;60023256;60025153;60025153

? Corresponding: Brenna M.

105.

? 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.

106.

? Title: A multi-objective optimization tool for the daily management of sustainable smart microgrids: Case Study: The savona campus SPM and SEB facilities

? Venue: 2016 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2016

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Speedam.2016.7526018

? Scopus ID: 2-s2.0-84994176891

? Pages: 683-688

? Authors: Bracco Stefano; Delfino Federico; Rossi Mansueto; Robba Michela

? Keywords: energy management systems | optimization | smart microgrids | sustainable buildings

? Source Id: 21100784241

? Author Ids: 15049159900;6603766602;7403708681;7004979187

? Authoraffiliationids: 60025153;60025153;60025153;60121711

? Corresponding: Bracco S.

107.

? Title: Distributed optimal power flow for islanded microgrids: An application to the

Smart Polygeneration Microgrid of the Genoa University

? Venue: IEEE 2nd International Smart Cities Conference Improving the Citizens Quality of Life ISc2 2016 Proceedings

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/ISc2.2016.7580793

? Scopus ID: 2-s2.0-84994165298

? Authors: Buono Luca; Sanseverino Eleonora Riva; Di Silvestre Maria Luisa; Bracco Stefano; Delfino Federico

? Keywords: Distributed optimization | Micro-grids | Optimal power flow

? Source Id: 21100784246

? Author Ids: 57194134150;57218479108;6701724984;15049159900;6603766602

? Authoraffiliationids: 60017697;60017697;60017697;60025153;60025153

? Corresponding: Buono L.

108.

? Title: An energy management platform for smart microgrids

? Venue: Studies in Computational Intelligence

? Year: 2016

? Type: Book Series

? Subtype: Book Chapter

? Citations: 3

? Doi: 10.1007/978-3-662-49179-9_10

? Scopus ID: 2-s2.0-84965123780

? Issn: 1860949x

? Volume: 627

? Pages: 207-225

? Authors: Delfino Federico; Rossi Mansueto; Pampararo Fabio; Barillari Luca

? Quartile:

2025:

? Artificial Intelligence (Q3, rank 308, percentile 37)

2016:

? Artificial Intelligence (Q3, rank 112, percentile 30)

? Source Id: 4900152708

? Author Ids: 6603766602;7403708681;36782697700;55568698600

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Delfino F.

109.

? Title: A pilot facility for analysis and simulation of smart microgrids feeding smart buildings

? Venue: Renewable and Sustainable Energy Reviews

? Year: 2016

? Type: Journal

? Subtype: Review

? Citations: 37

? DOI: 10.1016/j.rser.2015.12.225

? Scopus ID: 2-s2.0-84954305717

? Issn: 13640321

? eISSN: 18790690

? Volume: 58

? Pages: 1247-1255

? Authors: Bracco Stefano; Delfino Federico; Pampararo Fabio; Robba Michela; Rossi Mansueto

? Keywords: Experimental test-bed | Optimization | Renewable energy | Smart grids | Sustainable buildings

? Quartile:

2025:

? Renewable Energy, Sustainability and the Environment (Q1, rank 7, percentile 97)

2016:

? Renewable Energy, Sustainability and the Environment (Q1, rank 6, percentile 95)

? Source Id: 27567

? Author Ids: 15049159900;6603766602;36782697700;7004979187;7403708681

? Authoraffiliationids: 120591612;120591612;120591612;60121711;120591612

? Corresponding: Bracco S.

110.

? 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.

111.

? 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.

112.

? Title: The Smart City Energy infrastructures at the Savona Campus of the University of Genoa
? Venue: Aeit 2016 International Annual Conference Sustainable Development in the Mediterranean Area Energy and ICT Networks of the Future
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 19
? Doi: 10.23919/Aeit.2016.7892774
? Scopus ID: 2-s2.0-85018379665
? Authors: Bracco Stefano; Delfino Federico; Laiolo Paola; Rossi Mansueto
? Keywords: energy management | microgrids | power system planning | Smart city | sustainability
? Source Id: 21100866813
? Author Ids: 15049159900;6603766602;56576462300;7403708681
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bracco S.

113.

? 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.
114.
? 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.
115.
? Title: MPC-based tertiary and secondary optimal control in islanded microgrids
? Venue: 1st IEEE International Symposium on Systems Engineering Isse 2015 Proceedings
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? DOI: 10.1109/SysEng.2015.7302507
? Scopus ID: 2-s2.0-84954534603
? Pages: 23-28
? Authors: Delfino F.; Rossi M.; Ferro G.; Minciardi R.; Robba M.
? Keywords: hierarchical control | islanded mode | microgrids | optimization | renewables
? Source Id: 21100438183
? Author Ids: 6603766602;7403708681;57062015700;7005785660;7004979187
? Authoraffiliationids: 60025153;60025153;60121711;60121711;60121711
? Corresponding: Delfino F.
116.
? Title: An optimization based architecture for local systems managed by PLC devices
? Venue: 1st IEEE International Symposium on Systems Engineering Isse 2015 Proceedings
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? DOI: 10.1109/SysEng.2015.7302506
? Scopus ID: 2-s2.0-84954483273
? Pages: 17-22
? Authors: Delfino F.; Rossi M.; Minciardi R.; Robba M.; Rossi M.
? Keywords: electrical storage | microgrids | model predictive control | optimal control | Renewables
? Source Id: 21100438183
? Author Ids: 6603766602;7403708681;7005785660;7004979187;57683874100
? Authoraffiliationids: 60025153;60025153;60121711;60121711;60121711

- ? Corresponding: Delfino F.
117.
? 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;60025153
? Corresponding: Barillari L.
118.
? 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.
119.
? 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.

120.

? Title: A dynamic optimization-based architecture for polygeneration microgrids with tri-generation, renewables, storage systems and electrical vehicles

? Venue: Energy Conversion and Management

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 129

? DOI: 10.1016/j.enconman.2015.03.013

? Scopus ID: 2-s2.0-84925293286

? Issn: 01968904

? Volume: 96

? Pages: 511-520

? Authors: Bracco Stefano; Delfino Federico; Pampararo Fabio; Robba Michela; Rossi Mansueto

? Keywords: Optimization | Renewable energy | Smart grids

? Quartile:

2025:

? Nuclear Energy and Engineering (Q1, rank 2, percentile 98)

? Energy Engineering and Power Technology (Q1, rank 12, percentile 96)

? Fuel Technology (Q1, rank 7, percentile 95)

? Renewable Energy, Sustainability and the Environment (Q1, rank 21, percentile 93)

2015:

? Nuclear Energy and Engineering (Q1, rank 2, percentile 97)

? Energy Engineering and Power Technology (Q1, rank 8, percentile 95)

? Fuel Technology (Q1, rank 5, percentile 94)

? Renewable Energy, Sustainability and the Environment (Q1, rank 19, percentile 85)

? Source Id: 29372

? Author Ids: 15049159900;6603766602;36782697700;7004979187;7403708681

? Authoraffiliationids: 113360839;113360839;113360839;60121711;113360839

? Corresponding: Bracco S.

121.

? Title: The role of high efficiency trigeneration plants within sustainable smart microgrids: Performance analysis and experimental tests

? Venue: 2015 Aeit International Annual Conference Aeit 2015

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3
? Doi: 10.1109/Aeit.2015.7415236
? Scopus ID: 2-s2.0-84964853716
? Authors: Bracco Stefano; Delfino Federico
? Keywords: Absorption chiller | Microturbine | Smart microgrid | Test bed | Trigeneration
? Source Id: 21100826364
? Author Ids: 15049159900;6603766602
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bracco S.

122.

? Title: Key performance indicators in assessing new technology for electricity transmission and distribution networks
? Venue: Eco Friendly Innovation in Electricity Transmission and Distribution Networks
? Year: 2015
? Type: Book
? Subtype: Book Chapter
? Citations: 2
? Doi: 10.1016/B978-1-78242-010-1.00002-1
? Scopus ID: 2-s2.0-84942942637
? Pages: 47-63
? Authors: Delfino F.; Bracco S.; Pampararo F.
? Keywords: Emissions reductions | Energy efficiency | EU policies | Key performance indicators
? Source Id: 21100962785
? Author Ids: 6603766602;15049159900;36782697700
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Delfino F.

123.

? 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.

124.

? Title: A bi-level control architecture for the optimal operation of smart grids
? 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: 1
? Doi: 10.1109/Cca.2014.6981443
? Scopus ID: 2-s2.0-84920517779
? Pages: 855-860
? Authors: Delfino F.; Minciardi R.; Pampararo F.; Robba M.
? Source Id: 21101060560
? Author Ids: 6603766602;7005785660;36782697700;7004979187
? Authoraffiliationids: 60025153;60121711;60025153;60121711
? Corresponding: Delfino F.

125.

? 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.

126.

? 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.
127.
? 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.
128.
? Title: Improving power grids transient stability via Model Predictive Control
? Venue: Proceedings 2014 Power Systems Computation Conference Pscc 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 27
? Doi: 10.1109/Pscc.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.
129.
? 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.
130.
? Title: Development and assessment of Decentralized Energy Management System in a smart Microgrid
? Venue: lisa 2014 5th International Conference on Information Intelligence Systems and Applications
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/lisa.2014.6878746
? Scopus ID: 2-s2.0-84906751548
? Pages: 125-130
? Authors: Delfino Federico; Barillari Luca; Pampararo Fabio; Rossi Mansueto; Zakariazadeh Alireza; Molfino Paolo; Podesta Andrea; Venturin Alessandro; Robertelli Nicoletta
? Keywords: energy management | Microgrid | renewable generations | smart grid
? Source Id: 21100332232
? Author Ids: 6603766602;55568698600;36782697700;7403708681;35411007400;7003420937;35243535700;59891881800;56342264100
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60025153;60083122;60083122;60083122
? Corresponding: Delfino F.
131.
? Title: Optimal control of active power flows in Smart Microgrids
? Venue: 2014 IEEE Innovative Smart Grid Technologies Asia Isgt Asia 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? DOI: 10.1109/ISGT-Asia.2014.6873853
? Scopus ID: 2-s2.0-84906674294
? Pages: 560-565
? Authors: Bonfiglio Andrea; Brignone Massimo; Delfino Federico; Pampararo Fabio; Procopio Renato; Rossi Mansueto; Robba Michela; Bracco Stefano
? Keywords: Microgrid | Optimal Control | Optimization | Power Systems | Renewable Energy Soureces (RES)
? Source Id: 21100332188
? Author Ids: 36607521000;8580886100;6603766602;36782697700;7801615894;7403708681;7004979187;15049159900
? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153

? Corresponding: Bonfiglio A.

132.

? Title: A multilevel approach for the optimal control of distributed energy resources and storage

? Venue: IEEE Transactions on Smart Grid

? Year: 2014

? Type: Journal

? Subtype: Article

? Citations: 32

? Doi: 10.1109/Tsg.2014.2322260

? Scopus ID: 2-s2.0-84903207222

? Issn: 19493053

? Volume: 5

? Issue: 4

? Pages: 2155-2162

? Authors: Delfino F.; Minciardi R.; Pampararo F.; Robba M.

? Keywords: Distributed power generation | hierarchical systems | multilevel systems | optimal control | optimization | power systems | smart grids

? Quartile:

2025:

? Computer Science (all) (Q1, rank 8, percentile 96)

2014:

? Computer Science (all) (Q1, rank 4, percentile 98)

? Source Id: 19700170610

? Author Ids: 6603766602;7005785660;36782697700;7004979187

? Authoraffiliationids: 60025153;60121711;60025153;60121711

? Corresponding: Delfino F.

133.

? Title: A mathematical model for the optimal operation of the University of Genoa

Smart Polygeneration Microgrid: Evaluation of technical, economic and environmental performance indicators

? Venue: Energy

? Year: 2014

? Type: Journal

? Subtype: Article

? Citations: 99

? DOI: 10.1016/j.energy.2013.10.039

? Scopus ID: 2-s2.0-84891482146

? Issn: 03605442

? Volume: 64

? Pages: 912-922

? Authors: Bracco Stefano; Delfino Federico; Pampararo Fabio; Robba Michela; Rossi Mansueto

? Keywords: Combined heat and power | Distributed management systems | Information and communication technologies | Optimization | Smart grid

? 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)
2014:
? Pollution (Q1, rank 5, percentile 95)
? Energy (all) (Q1, rank 4, percentile 93)
? Source Id: 29348
? Author Ids: 15049159900;6603766602;36782697700;7004979187;7403708681
? Authoraffiliationids: 60025153;60025153;60025153;60121711;60025153
? Corresponding: Bracco S.

134.
? 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.

135.
? 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;109690794
? Corresponding: Bonfiglio A.

136.

? Title: An optimization algorithm for the operation planning of the University of Genoa smart polygeneration microgrid
? Venue: Proceedings of Irep Symposium Bulk Power System Dynamics and Control IX Optimization Security and Control of the Emerging Power Grid Irep 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 35
? Doi: 10.1109/Irep.2013.6629397
? Scopus ID: 2-s2.0-84890466863
? Authors: Bonfiglio Andrea; Barillari Luca; Brignone Massimo; Delfino Federico; Pampararo Fabio; Procopio Renato; Rossi Mansueto; Bracco Stefano; Robba Michela
? Source Id: 21100275408
? Author Ids: 36607521000;55568698600;8580886100;6603766602;36782697700;7801615894;7403708681;15049159900;7004979187
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.

137.

? 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.

138.

? Title: A multilevel approach for the optimal control of energy systems distributed over the territory
? Venue: Proceedings Uksim Amss 7th European Modelling Symposium on Computer Modelling and Simulation EMS 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Ems.2013.70
? Scopus ID: 2-s2.0-84899494629

? Pages: 414-419

? Authors: Minciardi Riccardo; Robba Michela; Delfino Federico; Pampararo Fabio

? Keywords: distributed generation | hierarchical systems | multilevel systems | optimal control | smart grids

? Source Id: 21100307497

? Author Ids: 7005785660;7004979187;6603766602;36782697700

? Authoraffiliationids: 60121711;60121711;;

? Corresponding: Minciardi R.

139.

? Title: Planning and management of sustainable microgrids: The test-bed facilities at the University of Genoa

? Venue: IEEE AFRICON Conference

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 28

? Doi: 10.1109/Afrcon.2013.6757862

? Scopus ID: 2-s2.0-84897441276

? Issn: 21530025

? eISSN: 21530033

? Authors: Bracco Stefano; Delfino Federico; Pampararo Fabio; Robba Michela; Rossi Mansueto

? Keywords: CHP technologies | control | microgrids | renewables | sustainable buildings | test-bed facilities

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 667, percentile 33)

? Computer Science Applications (Q3, rank 705, percentile 28)

? Source Id: 88865

? Author Ids: 15049159900;6603766602;36782697700;7004979187;7403708681

? Authoraffiliationids:

60025153;113749052-60025153;113749052-60025153;60121711-60025153;113749052-60025153

? Corresponding: Bracco S.

140.

? 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;60025153

? Corresponding: Bonfiglio A.

141.

? Title: The University of Genoa smart polygeneration microgrid test-bed facility: The overall system, the technologies and the research challenges
? Venue: Renewable and Sustainable Energy Reviews
? Year: 2013
? Type: Journal
? Subtype: Review
? Citations: 100
? DOI: 10.1016/j.rser.2012.10.009
? Scopus ID: 2-s2.0-84869869650
? ISSN: 13640321
? Volume: 18
? Pages: 442-459
? Authors: Bracco Stefano; Delfino Federico; Pampararo Fabio; Robba Michela; Rossi Mansueto
? Keywords: Control | Distributed generation | Optimization | Renewable energy | Simulation | Smart grids
? Quartile:
2025:
? Renewable Energy, Sustainability and the Environment (Q1, rank 7, percentile 97)
2013:
? Renewable Energy, Sustainability and the Environment (Q1, rank 6, percentile 94)
? Source Id: 27567
? Author Ids: 15049159900;6603766602;36782697700;7004979187;7403708681
? Authoraffiliationids: 113216375;113216466;113216466;60121711;113216466
? Corresponding: Bracco S.

142.

? 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.

143.

? Title: Economic and environmental performances quantification of the university of Genoa Smart Polygeneration Microgrid
? Venue: 2012 IEEE International Energy Conference and Exhibition Energycon 2012
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 31
? DOI: 10.1109/EnergyCon.2012.6348222
? Scopus ID: 2-s2.0-84870814640
? Pages: 593-598
? Authors: Bracco Stefano; Delfino Federico; Pampararo Fabio; Robba Michela; Rossi

Mansueto

- ? Keywords: avoided CO₂ emissions | cogeneration | primary energy saving | running costs | Smart grid
- ? Source Id: 21100223117
- ? Author Ids: 15049159900;6603766602;36782697700;7004979187;7403708681
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Bracco S.

144.

- ? 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.

145.

- ? Title: A system of systems model for the control of the University of Genoa Smart Polygeneration Microgrid
- ? Venue: Proceedings 2012 7th International Conference on System of Systems Engineering Sose 2012
- ? Year: 2012
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 26
- ? DOI: 10.1109/SYSoSE.2012.6384186
- ? Scopus ID: 2-s2.0-84878662045
- ? Pages: 7-12
- ? Authors: Bracco Stefano; Delfino Federico; Pampararo Fabio; Robba Michela; Rossi Mansueto
- ? Keywords: optimal control | polygeneration | renewable energy | Smart microgrid
- ? Source Id: 21100220364
- ? Author Ids: 15049159900;6603766602;36782697700;7004979187;7403708681
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Bracco S.

146.

- ? 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.

147.

? 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.

148.

? 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.

149.

? 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.

150.
? Title: A synchronous generator circuital 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.

151.

- ? 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.

152.

- ? 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.

153.

? 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.

154.

? 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/Jsyst.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.

155.

- ? 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.

156.

- ? 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;60025153;60028186;60018362
- ? Corresponding: Brignone M.

157.

- ? 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.

158.

- ? 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.

159.

- ? 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.

160.

? 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.

161.

? 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.

162.

? 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.

163.

? 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.

164.

? 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.

165.

? Title: A methodology to quantify the impact of a renewed T&D infrastructure on EU 2020 goals
? Venue: IEEE Pes General Meeting Pes 2010
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1109/Pes.2010.5589502
? Scopus ID: 2-s2.0-78649553544
? Authors: Delfino Federico; Denegri Gio Battista; Invernizzi Marco; Amann Guillermo;

Bess^nde Jean Luc; Luxa Andreas H.; Monizza Giuliano

? Keywords: Energy resources | Power distribution | Power quality | Power systems

harmonics | Power systems modeling | Power transmission

? Source Id: 19700182646

? Author Ids:

6603766602;7004649825;6701527755;36650448700;55903266900;57205084075;8968415000

? Authoraffiliationids:

60025153;60025153;60025153;109690794;109690794;109690794;109690794

? Corresponding: Delfino F.

166.

? 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.

167.

? 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.

168.

? 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.
169.
? 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.
170.
? Title: An advanced nonlinear control technique for grid connected generating units - Part I: Theory
? Venue: Proceedings of the 9th Wseas Iasme 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.
171.
? Title: An advanced nonlinear control technique for grid connected generating units - Part II: Simulations
? Venue: Proceedings of the 9th Wseas Iasme 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.

172.

? 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.

173.

? 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.

174.

? 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.

175.
? 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.

176.
? 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.

177.
? 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.

178.

? 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: Guerci 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: Guerci E.

179.

? 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.

180.

? 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.

181.

? 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.

182.

? 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.

183.

? 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.

184.

? 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.

185.

? Title: Electromagnetic plane wave scattering from building surfaces
? Venue: COMPEL the International Journal for Computation and Mathematics in Electrical and Electronic Engineering
? Year: 2006

? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1108/03321640610684132
? Scopus ID: 2-s2.0-33750028561
? Issn: 03321649
? Volume: 25
? Issue: 4
? Pages: 1007-1018
? Authors: Delfino F.; Girdinio P.; Minervini L.; Nervi M.
? Keywords: Electromagnetism | Numerical analysis | Simulation | Urban areas | Wave propagation
? 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;7003430835;34572465500;7003586072
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Delfino F.

186.

? 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.

187.

? 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.

188.

? 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/TPWRD.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.

189.

? 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.

190.

? 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.

191.

? 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.

192.

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

193.

? 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.

194.

? 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.

195.

? 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.
196.
? Title: Analysis of several methods for the response evaluation of HF field excited finite lines
? Venue: IEEE Transactions on Magnetics
? 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.
197.
? Title: Field and current flow analysis of the buried feeding line of the innovative electric transport concept STREAM
? Venue: COMPEL the International Journal for Computation and Mathematics in Electrical and Electronic Engineering
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 1
? Doi: 10.1108/03321640210437842
? Scopus ID: 2-s2.0-0036378607
? Issn: 03321649
? Volume: 21
? Issue: 4
? Pages: 591-603
? Authors: Alotto P.; Delfino F.; Molinari G.; Rossi M.; Siciliano V.; Ventura P. O.
? Keywords: 3D | Electrical machines | Finite element simulation | Transport
? 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: 35493099300;6603766602;35496417300;7403708681;19036443200;26031151600
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60073836;60073836

- ? Corresponding: Alotto P.
198.
? 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.
199.
? Title: A new FEM approach for field and torque simulation of electrostatic microactuators
? Venue: Journal of Microelectromechanical Systems
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 6
? Doi: 10.1109/Jmems.2002.800931
? Scopus ID: 2-s2.0-0036687723
? Issn: 10577157
? Volume: 11
? Issue: 4
? Pages: 362-371
? Authors: Delfino Federico; Rossi Mansueto
? Keywords: Computer-aided design (CAD) | Electrostatic actuation | Finite-element method (FEM) | Floating conductor | Torque computation
? Quartile:
2025:
? Mechanical Engineering (Q1, rank 154, percentile 79)
? Electrical and Electronic Engineering (Q1, rank 237, percentile 76)
? Source Id: 17276
? Author Ids: 6603766602;7403708681
? Authoraffiliationids: 60025153;60025153
? Corresponding: Delfino F.
200.
? 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 Magnetics
? 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.
201.
? 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.
202.
? 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.

203.

- ? 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.

204.

- ? 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.

205.

- ? Title: An identification procedure for lightning return strokes
- ? Venue: Journal of Electrostatics
- ? Year: 2001
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 16
- ? Doi: 10.1016/S0304-3886(01)00097-3
- ? Scopus ID: 2-s2.0-0035334750
- ? Issn: 03043886
- ? Volume: 51-52
- ? Issue: 1-4
- ? Pages: 326-332
- ? Authors: Andreotti Amedeo; Delfino Federico; Girdinio Paola; Verolino Luigi

? Keywords: Electric field | Lightning return stroke model | Recording of lightning

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 420, percentile 57)

? Condensed Matter Physics (Q3, rank 237, percentile 46)

? Electronic, Optical and Magnetic Materials (Q3, rank 167, percentile 46)

? Surfaces, Coatings and Films (Q3, rank 78, percentile 43)

? Biotechnology (Q3, rank 181, percentile 43)

? Source Id: 18041

? Author Ids: 35564985300;6603766602;7003430835;7003322700

? Authoraffiliationids: 60017293;60025153;60025153;60017293

? Corresponding: Andreotti A.

206.

? Title: A New Method To Identify Return Stroke Characteristics

? Venue: 14th International Zurich Symposium and Technical Exhibition on Electromagnetic Compatibility EMC 2001

? Year: 2001

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.23919/Emc.2001.10792006

? Scopus ID: 2-s2.0-85214902522

? Authors: Andreotti A.; Delfino F.; De Martinis U.; Girdinio P.; Verolino L.

? Source Id: 21101269358

? Author Ids: 35564985300;6603766602;6603552514;7003430835;7003322700

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

? Corresponding: Andreotti A.

207.

? Title: A field-based inverse algorithm for the identification of different height lightning return strokes

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

? Year: 2001

? Type: Journal

? Subtype: Article

? Citations: 19

? Doi: 10.1108/03321640110393716

? Scopus ID: 2-s2.0-0035787851

? Issn: 03321649

? Volume: 20

? Issue: 3

? Pages: 724-731

? Authors: Andreotti Amedeo; Delfino Federico; Girdinio Paola; Verolino Luigi

? Keywords: Electromagnetics | Inverse problems

? 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: 35564985300;6603766602;7003430835;7003322700

? Authoraffiliationids: 60017293;60025153;60017293;60025153

? Corresponding: Andreotti A.

208.

- ? Title: Numerical calculation of total force upon permanent magnets using equivalent source methods
- ? Venue: COMPEL the International Journal for Computation and Mathematics in Electrical and Electronic Engineering
- ? Year: 2001
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 12
- ? Doi: 10.1108/03321640110383311
- ? Scopus ID: 2-s2.0-0035787637
- ? Issn: 03321649
- ? Volume: 20
- ? Issue: 2
- ? Pages: 431-447
- ? Authors: Delfino Federico; Manella Andrea; Molfino Paolo; Rossi Mansueto
- ? Keywords: Finite element method | Force | Numerical methods | Permanent magnets
- ? 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;6506810735;7003420937;7403708681
- ? Authoraffiliationids: 60025153;60025153-101905330;60025153-101905330;60025153-101905330
- ? Corresponding: Delfino F.

209.

- ? Title: Comparison between analytical and numerical simulations of LF shielding efficiency
- ? Venue: IEEE Transactions on Magnetics
- ? Year: 2001
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 5
- ? Doi: 10.1109/20.952682
- ? Scopus ID: 2-s2.0-0035441307
- ? Issn: 00189464
- ? Volume: 37
- ? Issue: 5 I
- ? Pages: 3648-3652
- ? Authors: Bertoni A.; Delfino F.; Girdinio P.; Nervi M.
- ? Keywords: Finite element analysis | Magnetic shielding
- ? 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: 57540253800;6603766602;7003430835;7003586072
- ? Authoraffiliationids: 100828146;60025153;60025153;60025153
- ? Corresponding: Bertoni A.

210.

- ? Title: Equivalent source methods for 3-D force calculation with nodal and mixed FEM

in magnetostatic problems

? Venue: IEEE Transactions on Magnetics

? Year: 2001

? Type: Journal

? Subtype: Article

? Citations: 3

? Doi: 10.1109/20.952561

? Scopus ID: 2-s2.0-0035440691

? Issn: 00189464

? Volume: 37

? Issue: 5

? Pages: 3137-3140

? Authors: Bobbio Scipione; Alotto Piergiorgio; Delfino Federico; Girdinio Paola; Molfino Paolo

? Keywords: Finite element method | Force computation | Magnetostatics

? 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: 7004127123;35493099300;6603766602;7003430835;7003420937

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

? Corresponding: Bobbio S.

211.

? Title: Equivalent sources methods for the numerical evaluation of magnetic force with extension to nonlinear materials

? Venue: IEEE Transactions on Magnetics

? Year: 2000

? Type: Journal

? Subtype: Article

? Citations: 38

? Doi: 10.1109/20.877536

? Scopus ID: 2-s2.0-0034223309

? Issn: 00189464

? Volume: 36

? Issue: 4 Part 1

? Pages: 663-666

? Authors: Bobbio Scipione; Delfino Federico; Girdinio Paola; Molfino Paolo

? Keywords: Finite element method | Force computation | Magnetostatics

? 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: 7004127123;6603766602;7003430835;7003420937

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

? Corresponding: Bobbio S.

212.

? Title: A mixed face-edge finite element formulation for 3D magnetostatic problems

? Venue: IEEE Transactions on Magnetics

? Year: 1998

? Type: Journal

? Subtype: Article

? Citations: 11

? Doi: 10.1109/20.717562
? Scopus ID: 2-s2.0-0001624384
? Issn: 00189464
? Volume: 34
? Issue: 5 Part 1
? Pages: 2445-2448
? Authors: Alotto P.; Delfino F.; Molfino P.; Nervi M.
? Keywords: Finite element methods | Magnetostatics | Maxwell's equations
? 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: 35493099300;6603766602;7003420937;7003586072
? Authoraffiliationids: 60025153-60015197;60025153;60025153-60015197;60025153-60015197
? Corresponding: Alotto P.