

## 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

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? 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-Simón-Martín 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;7004111796;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;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 Simˆ˜n-Martˆ˜n Miguel; Bracco Stefano; Piazza Giorgio; Pagnini Luisa Carlotta; Gonzˆ˜lez-Martˆ˜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<sup>^</sup>n-Mart<sup>^</sup>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<sup>^</sup>n-Mart<sup>^</sup>n Miguel; Bracco Stefano; Piazza Giorgio; Pagnini Luisa Carlotta; Gonz<sup>^</sup>lez-Mart<sup>^</sup>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<sup>^</sup>n-Mart<sup>^</sup>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<sup>ˆ</sup>n-Mart<sup>ˆ</sup>n Miguel; Bracco Stefano; Piazza Giorgio; Pagnini Luisa Carlotta; Gonz<sup>ˆ</sup>lez-Mart<sup>ˆ</sup>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<sup>ˆ</sup>n-Mart<sup>ˆ</sup>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<sup>ˆ</sup>n-Mart<sup>ˆ</sup>n Miguel; Bracco Stefano; Piazza Giorgio; Pagnini Luisa Carlotta; Gonz<sup>ˆ</sup>lez-Mart<sup>ˆ</sup>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<sup>ˆ</sup>n-Mart<sup>ˆ</sup>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<sup>ˆ</sup>n-Mart<sup>ˆ</sup>n Miguel; Bracco Stefano; Piazza Giorgio; Pagnini Luisa Carlotta; Gonz<sup>ˆ</sup>lez-Mart<sup>ˆ</sup>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<sup>ˆ</sup>n-Mart<sup>ˆ</sup>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; Leñ 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;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; Foidelli 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 a Sebasti n; Parejo Antonio; Rossi Mansueto; Garc a Antonio; Delfino Federico; P rez Ricardo; Le n 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 a Sebasti n; Parejo Antonio; Rossi Mansueto; Garc a Antonio; Delfino Federico; P rez Ricardo; Le n 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 Aeit International Annual Conference Aeit 2020

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Doi: 10.23919/Aeit50178.2020.9241138

? 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: Mart n-Garc a A lvaro; Rosales-Asensio Enrique; Gonz lez-Mart nez Alberto; Bracco Stefano; Delfino Federico; de Sim n-Mart n 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: Mart n-Garc a A lvaro.

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 Simen-Martin Miguel; Bracco Stefano; Rossi Mansueto; Delfino Federico; Gonzalez-Martinez Alberto; Blanes-Peirats 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 Simenzi-Martin 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 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;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/Jsys.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 Mansueto  
? Keywords: management | optimization | photovoltaic | planning | storage  
? Source Id: 21100858105  
? Author Ids:  
15049159900;8580886100;6603766602;7003430835;56576462300;7801615894;7403708681  
? Authoraffiliationids:  
120591612;120591612;120591612-60025153;120591612;60025153;60025153;120591612  
? Corresponding: Bracco S.

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/Jsys.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 Iccca

? Year: 2017  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 9  
? Doi: 10.1109/lcca.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: lisa 2016 7th International Conference on Information Intelligence Systems and Applications  
? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/lisa.2016.7785394  
? Scopus ID: 2-s2.0-85013191629  
? Authors: Brignone Massimo; Delfino Federico; Fichera Matteo; Procopio Renato; Barillari Luca; Nilberto Alessandro  
? Keywords: Energy Management | Optimization | Parameter Identification | Smart Cities | Smart grids | Thermal Networks  
? Source Id: 21100795611  
? Author Ids: 8580886100;6603766602;57193344538;7801615894;55568698600;9245207700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Brignone M.

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  
 ? 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

? 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

? 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;7004  
979187;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 Psc 2014

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 27

? Doi: 10.1109/Psc.2014.7038364

? Scopus ID: 2-s2.0-84946687291

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

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

? Source Id: 21100377750

? Author Ids:

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

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

? Corresponding: Bonfiglio A.

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 | Micogrids | 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  
? 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  
? 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;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

? 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/Jsys.2011.2163002  
? Scopus ID: 2-s2.0-84857646014  
? Issn: 19328184  
? eISSN: 19379234  
? Volume: 6  
? Issue: 1  
? Pages: 85-93  
? Authors: Delfino Federico; Pampararo Fabio; Procopio Renato; Rossi Mansueto  
? Keywords: Direct drive | feedback linearization | permanent magnet synchronous generator | wind power  
? Quartile:  
2025:  
? Computer Networks and Communications (Q1, rank 25, percentile 95)

? Electrical and Electronic Engineering (Q1, rank 49, percentile 95)  
? Control and Systems Engineering (Q1, rank 25, percentile 93)  
? Computer Science Applications (Q1, rank 68, percentile 93)  
? Information Systems (Q1, rank 35, percentile 93)

2012:

? Electrical and Electronic Engineering (Q1, rank 143, percentile 76)  
? Control and Systems Engineering (Q2, rank 49, percentile 74)

? Source Id: 11300153734

? Author Ids: 6603766602;36782697700;7801615894;7403708681

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Delfino F.

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;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;

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

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

? Source Id: 12100156742

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

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

? Corresponding: Guerri E.

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/Tpwr.2005.852357

? Scopus ID: 2-s2.0-33244487177

? Issn: 08858977

? Volume: 21

? Issue: 1

? Pages: 270-277

? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto

? Keywords: Electromagnetic coupling | Electromagnetic transient propagation |

Overvoltage protection

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 98, percentile 90)

? Energy Engineering and Power Technology (Q1, rank 49, percentile 85)

? Source Id: 17370

? Author Ids: 6603766602;7801615894;7403708681

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Delfino F.

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 Magnetism

? Year: 2004

? Type: Journal

? Subtype: Article

? Citations: 2

? Doi: 10.1109/Tmag.2004.824721

? Scopus ID: 2-s2.0-2342511587

? Issn: 00189464

? Volume: 40

? Issue: 2 li

? Pages: 1480-1483

? Authors: Delfino Federico; Procopio Renato; Rossi Mansueto

? Keywords: Arrays | Dipole antennas | Electric fields

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 334, percentile 66)

? Electronic, Optical and Magnetic Materials (Q2, rank 134, percentile 56)

? Source Id: 17364

? Author Ids: 6603766602;7801615894;7403708681

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Delfino F.

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 Magnetism

? Year: 2003

? Type: Journal

? Subtype: Article

? Citations: 3

? Doi: 10.1109/Tmag.2003.810369

? Scopus ID: 2-s2.0-0038182003

? Issn: 00189464

? Volume: 39

? Issue: 3 I

? Pages: 1606-1609

? Authors: Delfino Federico; Maradei Francescaromana; Procopio Renato; Rossi Manseuto

? Keywords: Electromagnetic (EM) compatibility | High-frequency (HF) electromagnetic field | Transmission line modeling

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 334, percentile 66)

? Electronic, Optical and Magnetic Materials (Q2, rank 134, percentile 56)

? Source Id: 17364

? Author Ids: 6603766602;57226721394;7801615894;7403708681

? Authoraffiliationids: 60025153;60032350;60025153;60025153

? Corresponding: Delfino F.

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 Magnetism

? 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; Molino 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 Magnetism

? 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; Molino 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 Magnetism

? 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.