

## ROSSI MANSUETO

### Overview

? Unit: ELE  
? Role: Professore associato  
? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 1  
? SSD: IJET-01/A (Elettrotecnica)  
? Scopus ID: 7403708681  
? Unige Id: 700373  
? Retrieved at: 2025-11-14T15:14:47.436367

### Contact

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? Phone: +39 328 5423470  
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? Locations: Opera Pia - padiglione C (Ex CNR) (ED161450501), 3° piano, US161450501.III.015

### Career

? Ru, 2012-05-01 ? 2021-02-28  
? Pa, 2021-03-01 ? 2222-02-02

### Teaching

#### 2025

? Elettrotecnica (60337), L-9 - Ingegneria Meccanica  
? Strategies For Energy (98229), Lm/Ds - Engineering Technology For Strategy And Security  
? Strategies For Energy (98229), Lm/Ds - Engineering Technology For Strategy And Security

#### 2024

? Elettrotecnica (60337), L-9 - Ingegneria Meccanica  
? Strategies For Energy (98229), Lm/Ds - Engineering Technology For Strategy (And Security)  
? Strategies For Energy (98229), Lm/Ds - Engineering Technology For Strategy (And Security)

#### 2023

? Elettrotecnica (60337), L-9 - Ingegneria Meccanica  
? Strategies For Energy (98229), Lm/Ds - Engineering Technology For Strategy (And Security)

#### 2022

? Elettrotecnica (60337), L-9 - Ingegneria Meccanica  
? Strategies For Energy (98229), Lm/Ds - Engineering Technology For Strategy (And Security)

#### 2021

? Elettrotecnica A (Cdl) (66017), L-9 - Ingegneria Nautica  
? Modulo Di Elettrotecnica (72351), L-9 - Ingegneria Meccanica  
? Strategies For Energy (98229), Lm/Ds - Engineering Technology For Strategy (And Security)

#### 2020

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

## Scopus Metrics

? absolute; Docs: 112; Journals: 53; Conferences: 55; Citations: 2044; H-index: 26  
? 15 years (2010-2025); Docs: 86; Journals: 37; Conferences: 45; Citations: 1642; H-index: 25  
? 10 years (2015-2025); Docs: 58; Journals: 26; Conferences: 29; Citations: 898; H-index: 15  
? 05 years (2020-2025); Docs: 27; Journals: 15; Conferences: 10; Citations: 227; H-index: 9

## Scopus Products

1.
  - ? Title: A novel decentralized cooperative architecture for energy storage systems providing frequency support services
  - ? Venue: Control Engineering Practice
  - ? Year: 2025
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 1
  - ? DOI: 10.1016/j.conengprac.2024.106221
  - ? Scopus ID: 2-s2.0-85214005683
  - ? Issn: 09670661
  - ? Volume: 156
  - ? Authors: Casella Virginia; Ferro Giulio; Parisio Alessandra; Robba Michela; Rossi Mansueto
  - ? Keywords: Battery energy storage | Decentralized optimization | Droop control | Dynamic regulation
  - ? 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)
  - ? Source Id: 18174
  - ? Author Ids: 57234225200;57062015700;23569929900;7004979187;7403708681
  - ? Authoraffiliationids: 60121711;60121711;60003771;60121711;60025153
  - ? Corresponding: Casella V.
2.
  - ? Title: A Microgrid Test-Bed Architecture for Integrated Energy Systems Experimental Testing
  - ? Venue: Conference Proceedings 2025 IEEE International Conference on Environment and Electrical Engineering and 2025 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2025
  - ? Year: 2025
  - ? Type: Conference Proceeding
  - ? Subtype: Conference Paper
  - ? Citations: 0
  - ? DOI: 10.1109/EEEIC/ICPSEurope64998.2025.11169197
  - ? Scopus ID: 2-s2.0-105019039902
  - ? Authors: Bonfiglio Andrea; Bracco Stefano; Procopio Renato; Robba Michela; Rossi Mansueto
  - ? Keywords: advanced control strategies | energy management systems | laboratory prototype | Microgrid
  - ? Source Id: 21101340466

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

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

? Corresponding: Bonfiglio A.

3.

? Title: On the model flexibility of the geographical distributed real-time co-simulation: The example of ENET-RT lab

? Venue: Sustainable Energy Grids and Networks

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 8

? DOI: 10.1016/j.segan.2024.101501

? Scopus ID: 2-s2.0-85202997495

? eISSN: 23524677

? Volume: 40

? Authors: Mazza A.; Benedetto G.; Pons E.; Bompard E.; De Paola A.; Thomas D.; Kotsakis E.; Fulli G.; Vogel S.; Acosta Gil A.; Monti A.; Bruno S.; Iurlaro C.; La Scala M.; Bonfiglio A.; Cepollini P.; D'Agostino F.; Invernizzi M.; Rossi M.; Silvestro F.; De Caro F.; Giannoccaro G.; Villacci D.

? Keywords: Control-in-the-loop | Frequency control | Power hardware-in-the-loop | Real time co-simulation | Software-in-the-loop

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 131, percentile 86)

? Control and Systems Engineering (Q1, rank 52, percentile 86)

? Energy Engineering and Power Technology (Q1, rank 63, percentile 80)

? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 71)

2024:

? Electrical and Electronic Engineering (Q1, rank 122, percentile 87)

? Control and Systems Engineering (Q1, rank 52, percentile 86)

? Energy Engineering and Power Technology (Q1, rank 53, percentile 82)

? Renewable Energy, Sustainability and the Environment (Q2, rank 77, percentile 74)

? Source Id: 21100371258

? Author Ids: 55375438700;57945789200;11339101500;6602152775;55605029400;57188994200;6508183852;55924499600;57016169800;56669354800;57203094797;7101968133;57218844607;56962766200;36607521000;59312112400;56553864200;6701527755;7403708681;23026343700;57197856138;52263394500;6602560464

? Authoraffiliationids: 60012162;60012162;60012162;60012162;60103695;60103695;60103695;60103695;130347437;60016653;60016653;60027299;60027299;60027299;60025153;60025153;60025153;60025153;60004300;60017293;60017293

? Corresponding: Mazza A.

4.

? Title: A fog computing-based architecture for the decentralized energy management of microgrids

? Venue: System Level Control and Optimisation of Microgrids

? Year: 2024

? Type: Book

? Subtype: Book Chapter

? Citations: 0

? DOI: 10.1049/pbpo149e\_ch10

? Scopus ID: 2-s2.0-85214623764

? Pages: 255-274

? Authors: Armando Alessandro; Valderrama Daniel Fernandez; Ferro Giulio; Longo Giacomo; Orlich Alessandro; Robba Michela; Rossi Mansueto; Russo Enrico

? Source Id: 21101268615  
? Author Ids: 57190072464;57751051500;57062015700;57468566600;57920901700;7004979187;7403708681;57197855120  
? Authoraffiliationids:  
60121711;60121711;60121711;60121711;60121711;60121711;120591612;60121711  
? Corresponding: Armando A.

5.

? 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.

6.

? Title: Supporting a 'Glocal' Energy Transition: from Local Energy Communities to Global Simulation Networks  
? Venue: 2023 International Conference on Smart Energy Systems and Technologies Sest 2023  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Sest57387.2023.10257451  
? Scopus ID: 2-s2.0-85174247594  
? Authors: Benedetto G.; Mazza A.; Pons E.; Bompard E.; De Paola A.; Thomas D.; Kotsakis E.; Fulli G.; Vogel S.; Monti A.; Bruno S.; Giannoccaro G.; Scala M. La;

Bonfiglio A.; Invernizzi M.; Rossi M.; De Caro F.; Villacci D.

? Keywords: Control-in-the-Loop | Frequency Control | Power Hardware-in-the-Loop | Real Time Co-simulation | Software-in-the-Loop

? Source Id: 21101183461

? Author Ids: 57945789200;55375438700;11339101500;6602152775;55605029400;57188994200;6508183852;55924499600;57016169800;57203094797;7101968133;52263394500;56962766200;36607521000;6701527755;7403708681;57197856138;6602560464

? Authoraffiliationids: 60003066;60003066;60003066;60003066;60103695;60103695;60103695;60103695;130347437;60016653;60027299;60027299;60027299;60025153;60025153;60025153;60004300;60017293

? Corresponding: Benedetto G.

7.

? 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.

8.

? 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.

9.

? Title: Detecting Cyberattacks on Electrical Storage Systems through Neural Network Based Anomaly Detection Algorithm  
 ? Venue: Sensors  
 ? Year: 2022  
 ? Type: Journal  
 ? Subtype: Article  
 ? Citations: 21  
 ? DOI: 10.3390/s22103933  
 ? Scopus ID: 2-s2.0-85130394047  
 ? Issn: 14248220  
 ? Volume: 22  
 ? Issue: 10  
 ? Authors: Gaggero Giovanni Battista; Caviglia Roberto; Armellin Alessandro; Rossi Mansueto; Girdinio Paola; Marchese Mario  
 ? Keywords: anomaly detection | autoencoder | cybersecurity | distributed energy resources | electrical battery storage systems | neural network  
 ? 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)  
 2022:  
 ? Instrumentation (Q1, rank 18, percentile 87)  
 ? Electrical and Electronic Engineering (Q1, rank 146, percentile 80)  
 ? Atomic and Molecular Physics, and Optics (Q1, rank 47, percentile 77)  
 ? Analytical Chemistry (Q1, rank 32, percentile 77)  
 ? Information Systems (Q1, rank 87, percentile 77)  
 ? Biochemistry (Q2, rank 151, percentile 64)  
 ? Source Id: 130124  
 ? Author Ids: 57216708944;57700266100;57699327800;7403708681;7003430835;7004398165

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

? Corresponding: Gaggero G.B.

10.

? Title: Ensiel National Energy Transition Real Time Lab: a Novel Tool to Shape the Future Energy System

? Venue: 2022 Aeit International Annual Conference Aeit 2022

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 12

? Doi: 10.23919/Aeit56783.2022.9951729

? Scopus ID: 2-s2.0-85143614787

? Authors: Benedetto Giorgio; Bompard Ettore; Mazza Andrea; Pons Enrico; Bruno Sergio; Giannoccaro Giovanni; La Scala Massimo; De Caro Fabrizio; Bonfiglio Andrea; Bracco Stefano; Invernizzi Marco; Rossi Mansueto; De Paola Antonio; Thomas Dimitrios; Kotsakis Evangelos; Fulli Gianluca; Villacci Domenico

? Keywords: Co-simulation | Control-in-the-Loop | Frequency Control | Power Hardware-in-the-Loop | Real Time Simulation | Software-in-the-Loop

? Source Id: 21101125262

? Author Ids: 57945789200;6602152775;55375438700;11339101500;7101968133;52263394500;56962766200;57197856138;36607521000;15049159900;6701527755;7403708681;55605029400;57188994200;6508183852;55924499600;6602560464

? Authoraffiliationids: 60012162;60012162;60012162;60012162;60027299;60027299;60027299;60004300;60025153;60025153;60025153;60025153;60103695;60103695;60103695;60103695;60017293

? Corresponding: Benedetto G.

11.

? Title: Cybersecurity Issues in Communication-Based Electrical Protections

? Venue: International Conference on Electrical Computer and Energy Technologies Icecet 2022

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? Doi: 10.1109/Icecet55527.2022.9873081

? Scopus ID: 2-s2.0-85138917455

? Authors: Gaggero Giovanni Battista; Rossi Mansueto; Girdinio Paola; Marchese Mario

? Keywords: cybersecurity | electrical protection | IEC 62351 | microgrid | smart grid

? Source Id: 21101110203

? Author Ids: 57216708944;7403708681;7003430835;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gaggero G.B.

12.

? 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;563  
70216400;45661736000;6603766602;57062015700;7004979187;7403708681  
? Authoraffiliationids: 60021199;60021199;60021199;60021199;60021199-  
60017697;60017697;60017697;60017697;60025153;60121711;60121711;60025153  
? Corresponding: Tumminia G.

13.

? Title: Optimal control of hybrid systems and renewable energies  
? Venue: Energies  
? Year: 2022  
? Type: Journal  
? Subtype: Editorial  
? Citations: 4  
? DOI: 10.3390/en15010078  
? Scopus ID: 2-s2.0-85121716553  
? eISSN: 19961073  
? Volume: 15  
? Issue: 1  
? Authors: Robba Michela; Rossi Mansueto  
? 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: 7004979187;7403708681



? Authoraffiliationids: 60025153;60025153

? Corresponding: Robba M.

14.

? 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;56429379700;11839275700

? Authoraffiliationids:

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

? Corresponding: Delfino F.

15.

? 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.

16.

? 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.

17.

? 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.

18.

- ? 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; García Sebastián; Parejo Antonio; Rossi Mansueto; García Antonio; Delfino Federico; Pérez Ricardo; León 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.

19.

- ? 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; García Sebastián; Parejo Antonio; Rossi Mansueto; García Antonio; Delfino Federico; Pérez Ricardo; León 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.

20.

? Title: Evaluating Distribution System Operators: Automated Demand Response and Distributed Energy Resources in the Flexibility4Chile Project

? Venue: IEEE Power and Energy Magazine

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 8

? Doi: 10.1109/Mpe.2020.3000688

? Scopus ID: 2-s2.0-85090124255

? Issn: 15407977

? eISSN: 15584216

? Volume: 18

? Issue: 5

? Pages: 64-75

? Authors: Guerrero Juan Ignacio; Personal Enrique; Garcia Caro Sebastian; Parejo Antonio; Rossi Mansueto; Garcia Antonio; Perez Sanchez Ricardo; Leon Carlos

? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q2, rank 298, percentile 70)
- ? Energy Engineering and Power Technology (Q2, rank 111, percentile 66)

2020:

- ? Energy Engineering and Power Technology (Q1, rank 26, percentile 88)
- ? Electrical and Electronic Engineering (Q1, rank 84, percentile 87)

? Source Id: 28027

? Author Ids: 25633819900;57194517010;57210714463;55293637400;7403708681;21933529900;57218714754;24724405600

? Authoraffiliationids:

60033284;60033284;60033284;60033284;60033284;60033284;60027994;60033284

? Corresponding: Guerrero J.I.

21.

? 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.

22.

? Title: A multi-objective and multi-decision maker approach for the balancing market in distribution grids in presence of aggregators  
? Venue: 7th International Conference on Control Decision and Information Technologies Codit 2020  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? DOI: 10.1109/CoDIT49905.2020.9263784  
? Scopus ID: 2-s2.0-85098270097  
? Pages: 784-789  
? Authors: Ferro G.; Minciardi R.; Parodi L.; Robba M.; Rossi M.  
? Source Id: 21101032762  
? Author Ids: 57062015700;7005785660;57215421077;7004979187;7403708681  
? Authoraffiliationids: 60121711;60121711;60121711;60121711;60025153  
? Corresponding: Ferro G.

23.

? 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;60025153  
? Corresponding: Bianco G.

24.

? Title: Detecting system fault/cyberattack within a photovoltaic system connected to the grid: A neural network-based solution  
? Venue: Journal of Sensor and Actuator Networks  
? Year: 2020  
? Type: Journal  
? Subtype: Article  
? Citations: 20  
? DOI: 10.3390/jsan9020020  
? Scopus ID: 2-s2.0-85084829746  
? eISSN: 22242708  
? Volume: 9  
? Issue: 2  
? Authors: Gaggero Giovanni Battista; Rossi Mansueto; Girdinio Paola; Marchese Mario  
? Keywords: Anomaly detection | Autoencoder | Cyber-security | Distributed energy resources | Neural networks | Photovoltaic systems  
? Quartile:  
2025:  
? Control and Optimization (Q1, rank 6, percentile 96)  
? Instrumentation (Q1, rank 12, percentile 93)  
? Computer Networks and Communications (Q1, rank 61, percentile 88)  
2020:  
? Instrumentation (Q1, rank 8, percentile 94)  
? Control and Optimization (Q1, rank 12, percentile 89)  
? Computer Networks and Communications (Q1, rank 59, percentile 82)  
? Source Id: 21100830709  
? Author Ids: 57216708944;7403708681;7003430835;7004398165  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Gaggero G.B.

25.

? Title: Optimal coordination of buildings and microgrids by an aggregator: A bi-level approach  
? Venue: IFAC Papersonline  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? DOI: 10.1016/j.ifacol.2020.12.785  
? Scopus ID: 2-s2.0-85119608072  
? eISSN: 24058963  
? Volume: 53  
? Issue: 2  
? Pages: 16587-16592  
? Authors: Ferro Giulio; Minciardi Riccardo; Parodi Luca; Robba Michela; Rossi Mansueto  
? Keywords: Energy distribution | Energy management systems | Hierarchical systems | Load regulation | Optimization  
? Quartile:  
2025:  
? Control and Systems Engineering (Q3, rank 218, percentile 42)  
2020:  
? Control and Systems Engineering (Q3, rank 148, percentile 43)  
? Source Id: 21100456158  
? Author Ids: 57062015700;7005785660;57215421077;7004979187;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Ferro G.

26.

? 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.

27.

? Title: Optimal control of multiple microgrids and buildings by an aggregator  
? Venue: Energies  
? Year: 2020  
? Type: Journal  
? Subtype: Article  
? Citations: 14  
? DOI: 10.3390/en13051058  
? Scopus ID: 2-s2.0-85080929655  
? eISSN: 19961073  
? Volume: 13  
? Issue: 5  
? Authors: Ferro Giulio; Minciardi Riccardo; Parodi Luca; Robba Michela; Rossi Mansueto  
? Keywords: Aggregator | Energy management system | Interconnected buildings | Multi-level | Optimization | Renewable resources | Smart 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)

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: 57062015700;7005785660;57215421077;7004979187;7403708681

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

? Corresponding: Ferro G.

28.

? Title: Neural network architecture to detect system faults / cyberattacks anomalies within a photovoltaic system connected to the grid

? Venue: 2019 International Symposium on Advanced Electrical and Communication Technologies Isaect 2019

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? Doi: 10.1109/Isaect47714.2019.9069683

? Scopus ID: 2-s2.0-85084343224

? Authors: Gaggero Giovanni Battista; Rossi Mansueto; Girdinio Paola; Marchese Mario

? Keywords: anomaly detection | industrial systems | neural networks

? Source Id: 21100985351

? Author Ids: 57216708944;7403708681;7003430835;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gaggero G.B.

29.

? 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.

30.

? 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.

31.

? 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.
- 32.
- ? Title: A flexible test-bed pilot facility for the analysis and simulation of Smart Microgrids
- ? Venue: Proceedings 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2019
- ? Year: 2019
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 12
- ? Doi: 10.1109/Eeeic.2019.8783875
- ? Scopus ID: 2-s2.0-85070807380
- ? Authors: De Sim<sup>ˆ</sup>n-Mart<sup>ˆ</sup>n Miguel; Bracco Stefano; Rossi Mansueto; Delfino Federico; Gonz<sup>ˆ</sup>lez-Mart<sup>ˆ</sup>nez Alberto; Blanes-Peir<sup>ˆ</sup> J 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 Sim<sup>ˆ</sup>n-Mart<sup>ˆ</sup>n M.
- 33.
- ? Title: EM Fields Generated by a Scale Model Helical Antenna and Its Use in Validating a Code for Lightning-Induced Voltage Calculation
- ? Venue: IEEE Transactions on Electromagnetic Compatibility
- ? Year: 2019
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 12
- ? Doi: 10.1109/Temc.2019.2911995
- ? Scopus ID: 2-s2.0-85067394704
- ? Issn: 00189375
- ? eISSN: 1558187X
- ? Volume: 61
- ? Issue: 3
- ? Pages: 778-787
- ? Authors: Brignone Massimo; Mestriner Daniele; Procopio Renato; Rossi Mansueto; Piantini Alexandre; Rachidi Farhad
- ? Keywords: Lightning electromagnetic pulse | lightning induced effects and protection | lightning location | lightning measurement and modeling
- ? Quartile:
- 2025:
- ? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
- ? Condensed Matter Physics (Q2, rank 151, percentile 66)
- ? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)
- 2019:
- ? Electrical and Electronic Engineering (Q1, rank 166, percentile 75)
- ? Condensed Matter Physics (Q2, rank 106, percentile 73)
- ? Atomic and Molecular Physics, and Optics (Q2, rank 53, percentile 71)
- ? Source Id: 26051
- ? Author Ids: 8580886100;57115575100;7801615894;7403708681;56045386400;7003719604
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60008088;60028186
- ? Corresponding: Brignone M.
- 34.

? 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.

35.

? 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.

36.

? Title: Current and Field Modelling

? Venue: 2018 IEEE Symposium on Electromagnetic Compatibility Signal Integrity and Power Integrity EMC Si and Pi 2018

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Emcsi.2018.8495192

? Scopus ID: 2-s2.0-85056605309

? Authors: Rossi Mansueto; Brignone Massimo

? Source Id: 21100886130

? Author Ids: 7403708681;8580886100

? Authoraffiliationids: 60025153;60025153

? Corresponding: Rossi M.

37.

? 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.

38.

? 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.

39.

? 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.

40.

? 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.

41.

? 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.

42.

? Title: Identification and management of an electrical storage system for application in photovoltaic installations  
? Venue: IEEE International Conference on Control and Automation Icca  
? Year: 2017  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 9  
? Doi: 10.1109/Icca.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.

43.

? Title: Optimal voltage control and demand response: Integration between Distribution System Operator and microgrids  
? Venue: Proceedings of the 2017 IEEE 14th International Conference on Networking Sensing and Control Icnsc 2017  
? Year: 2017  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/Icnsc.2017.8000132  
? Scopus ID: 2-s2.0-85028511045  
? Pages: 435-440  
? Authors: Ferro G.; Minciardi R.; Robba M.; Rossi M.  
? Keywords: Distributed Generation | Distribution Sysyem Operator (DSO) | Microgrids | Optimization | Voltage regulation  
? Source Id: 21100828602  
? Author Ids: 57062015700;7005785660;7004979187;7403708681  
? Authoraffiliationids: 60121711;60121711;60121711;60025153  
? Corresponding: Ferro G.

44.

? Title: Concept design & development of a module for the construction of reversible HVDC submarine deep-water sea electrodes  
? Venue: IEEE Transactions on Power Delivery  
? Year: 2017  
? Type: Journal  
? Subtype: Article  
? Citations: 10

? Doi: 10.1109/Tpwr.2016.2555882  
 ? Scopus ID: 2-s2.0-85021729059  
 ? Issn: 08858977  
 ? Volume: 32  
 ? Issue: 4  
 ? Pages: 1682-1687  
 ? Authors: Molfino P.; Nervi M.; Rossi M.; Malgarotti S.; Odasso A.  
 ? Keywords: Electric fields | Grounding electrodes | HVDC transmission | Marine electrical equipment  
 ? Quartile:  
 2025:  
 ? Electrical and Electronic Engineering (Q1, rank 98, percentile 90)  
 ? Energy Engineering and Power Technology (Q1, rank 49, percentile 85)  
 2017:  
 ? Energy Engineering and Power Technology (Q1, rank 14, percentile 93)  
 ? Electrical and Electronic Engineering (Q1, rank 55, percentile 91)  
 ? Source Id: 17370  
 ? Author Ids: 7003420937;7003586072;7403708681;9742164400;6602941561  
 ? Authoraffiliationids: 60025153;60025153;60025153;60083358;60083122  
 ? Corresponding: Molfino P.

45.

? 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.

46.

? 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.

47.

? 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.

48.

? 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.

49.

? 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.

50.

? 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.

51.

? 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.

52.

? 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.

53.

? 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.

54.

? 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.

55.

? 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.

56.

? 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.

57.

? 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.

58.

? 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.

59.

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

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

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? Doi: 10.1109/Cca.2014.6981445

? Scopus ID: 2-s2.0-84920546202

? Pages: 867-872

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

? Source Id: 21101060560

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

? Authoraffiliationids:

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

? Corresponding: Bonfiglio A.

60.

? 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.

61.

? 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.

62.

? 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 | Microgrids | 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.

63.

? 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; Molino 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.

64.  
? Title: Optimal control of active power flows in Smart Microgrids  
? Venue: 2014 IEEE Innovative Smart Grid Technologies Asia Isgt Asia 2014  
? Year: 2014  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? DOI: 10.1109/ISGT-Asia.2014.6873853  
? Scopus ID: 2-s2.0-84906674294  
? Pages: 560-565  
? Authors: Bonfiglio Andrea; Brignone Massimo; Delfino Federico; Pampararo Fabio; Procopio Renato; Rossi Mansueto; Robba Michela; Bracco Stefano  
? Keywords: Microgrid | Optimal Control | Optimization | Power Systems | Renewable Energy Sources (RES)  
? Source Id: 21100332188  
? Author Ids: 36607521000;8580886100;6603766602;36782697700;7801615894;7403708681;7004979187;15049159900  
? Authoraffiliationids:  
60025153;60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

65.  
? 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.

66.

? 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.

67.

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

? Venue: IEEE AFRICON Conference

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 28

? Doi: 10.1109/Afrcon.2013.6757862

? Scopus ID: 2-s2.0-84897441276

? Issn: 21530025

? eISSN: 21530033

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

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

? Quartile:

2025:

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

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

? Source Id: 88865

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

? Authoraffiliationids:

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

? Corresponding: Bracco S.

68.

? Title: The smart microgrid pilot project of the University of Genoa: Power and communication architectures

? Venue: Aeit Annual Conference 2013 Innovation and Scientific and Technical Culture for Development Aeit 2013 Selected Proceedings Papers

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? DOI: 10.1109/aeit.2013.6666794

? Scopus ID: 2-s2.0-84893384882

? Authors: Bonfiglio A.; Barillari L.; Delfino F.; Pampararo F.; Procopio R.; Rossi M.; Invernizzi M.; Denegri G. B.; Bracco S.

? Keywords: Energy management system | integration of private microgrids into public distribution networks | Smart grid

? Source Id: 21101015978

? Author Ids: 36607521000;55568698600;6603766602;36782697700;7801615894;7403708681;6701527755;7004649825;15049159900

? Authoraffiliationids:

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

? Corresponding: Bonfiglio A.

69.

? 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.

70.

? 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.

71.

? 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.

72.

? 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.

73.

? Title: Technical and compatibility issues in the design of HVDC sea electrodes  
? Venue: IEEE International Symposium on Electromagnetic Compatibility  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper

? Citations: 11  
? DOI: 10.1109/EMCEurope.2012.6396841  
? Scopus ID: 2-s2.0-84872537281  
? Issn: 10774076  
? eISSN: 21581118  
? Authors: Girdinio Paola; Molino Paolo; Nervi Mario; Rossi Mansueto; Bertani  
Alessandro; Malgarotti Stefano  
? Source Id: 17274  
? Author Ids: 7003430835;7003420937;7003586072;7403708681;8275188700;9742164400  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60083358;60083358  
? Corresponding: Girdinio P.

74.

? 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.

75.

? 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.

76.

? 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.

77.

? 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.

78.

? 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.

79.

? 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.

80.

? 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.

81.

? 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.

82.

? 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.

83.

? 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.

84.

? 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/lsemc.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.

85.

? 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.

86.

? 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.

87.

? 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.

88.

? 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.

89.

? 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.

90.

? 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.

91.

? Title: Implementation of surface impedance boundary conditions in the cell method via the vector fitting technique

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

? Year: 2007

? Type: Journal

? Subtype: Article  
? Citations: 4  
? Doi: 10.1108/03321640710751271  
? Scopus ID: 2-s2.0-34547376542  
? Issn: 03321649  
? Volume: 26  
? Issue: 3  
? Pages: 859-872  
? Authors: Alotto P.; De Cian A.; Molinari G.; Rossi M.  
? Keywords: Electromagnetic fields | Numerical analysis | Simulation  
? 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;12790325500;35496417300;7403708681  
? Authoraffiliationids: 60000481;60025153;60025153;60025153  
? Corresponding: Alotto P.

92.

? 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.

93.

? 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.

94.

? 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.

95.

? Title: An improved simulated annealing algorithm for the channel allocation problem in cellular networks  
? Venue: 12th Biennial IEEE Conference on Electromagnetic Field Computation Cefc 2006  
? Year: 2006  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Cefc-06.2006.1632918  
? Scopus ID: 2-s2.0-42749104315  
? Pages: 126  
? Authors: Girdinio P.; Nervi M.; Rossi M.  
? Source Id: 5000158514  
? Author Ids: 7003430835;7003586072;7403708681  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Girdinio P.

96.

? 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.

97.

? Title: Electromagnetic optimization for UMTS cellular networks

? Venue: Iceaa 2005 9th International Conference on Electromagnetics in Advanced Applications and Eesc 2005 11th European Electromagnetic Structures Conference

? Year: 2005

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Scopus ID: 2-s2.0-84875305953

? Pages: 349-352

? Authors: Girdinio P.; Nervi M.; Rossi M.; Bianco B.; Moggia E.; Zich R. E.; Valbonesi L.; Mussetta M.

? Source Id: 21100235608

? Author Ids: 7003430835;7003586072;7403708681;7005080001;6602458027;7003795629;15842711500;57201889588

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60023256;60023256;60023256

? Corresponding: Girdinio P.

98.

? 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.

99.

? Title: Full-Maxwell analysis of loaded multiconductor lines

? Venue: Piers 2004 Progress in Electromagnetics Research Symposium Extended Papers Proceedings

? Year: 2004

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Scopus ID: 2-s2.0-54249142224

? Pages: 133-136

? Authors: Rossi M.  
? Source Id: 12400154702  
? Author Ids: 7403708681  
? Authoraffiliationids: 60025153  
? Corresponding: Rossi M.

100.

? 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.

101.

? 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.

102.

? 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.

103.

? 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.

104.

? 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.

105.

? 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.

106.

? 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.

107.

? 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.

108.

? 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.

109.

? 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.

110.

? 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.

111.

? 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.

112.

? 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; Molino 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.