

D'AGOSTINO FABIO

Overview

- ? Unit: ELE
- ? Role: Ricercatore
- ? Grade: Ricercatore t.d. art. 24 c. 3 lett. B Legge 240/10 (t.pieno) + 20%
- ? SSD: IIND-08/B (Sistemi elettrici per l'energia)
- ? Scopus ID: 56553864200
- ? Unige Id: 703316
- ? Retrieved at: 2025-11-14T15:15:25.440241

Contact

- ? Email: fabio.dagostino@unige.it
- ? Page: <https://rubrica.unige.it/personale/UkNEWFtv>

Career

- ? Ar, 2013-10-01 ? 2020-01-31
- ? Cb, 2017-02-20 ? 2019-09-20
- ? Rd, 2020-02-10 ? 2026-02-09

Teaching

2025

- ? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale
- ? Shipboard Power System Control (101132), L-28 - Maritime Science And Technology
- ? Elementi Di Protezione E Sicurezza Elettrica (107825), L-P03 - Tecnologie Industriali
- ? Power System Protection And Modeling (118105), Lm-28 - Electrical Engineering For Energy Transition
- ? Power System Protection And Modeling (118105), Lm-28 - Electrical Engineering For Energy Transition

2024

- ? Protezione Dei Sistemi Elettrici (56734), Lm-28 - Ingegneria Elettrica
- ? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale
- ? Shipboard Power System Control (101132), L-28 - Maritime Science And Technology
- ? Elementi Di Protezione E Sicurezza Elettrica (107825), L-P03 - Tecnologie Industriali

2023

- ? Protezione Dei Sistemi Elettrici (56734), Lm-28 - Ingegneria Elettrica
- ? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale
- ? Elementi Di Protezione E Sicurezza Elettrica (107825), L-P03 - Tecnologie Industriali

2022

- ? Protezione Dei Sistemi Elettrici (56734), Lm-28 - Ingegneria Elettrica
- ? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale
- ? Shipboard Power System Control (101132), L-28 - Maritime Science And Technology
- ? Elementi Di Protezione E Sicurezza Elettrica (107825), L-P03 - Tecnologie Industriali

2021

- ? Protezione Dei Sistemi Elettrici (56734), Lm-28 - Ingegneria Elettrica
- ? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale
- ? Shipboard Power System Control (101132), L-28 - Maritime Science And Technology

2020

- ? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale

Scopus Metrics

- ? absolute; Docs: 78; Journals: 14; Conferences: 59; Citations: 559; H-index: 15
- ? 15 years (2010-2025); Docs: 78; Journals: 14; Conferences: 59; Citations: 559; H-index: 15
- ? 10 years (2015-2025); Docs: 77; Journals: 14; Conferences: 58; Citations: 542; H-index: 14
- ? 05 years (2020-2025); Docs: 53; Journals: 10; Conferences: 39; Citations: 260; H-index: 10

Scopus Products

1.
 - ? Title: Impedance-based stability analysis of MW-sized inverter-based resources connected to weak grids considering phase delay compensation
 - ? Venue: Sustainable Energy Grids and Networks
 - ? Year: 2025
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 0
 - ? DOI: 10.1016/j.segan.2025.101961
 - ? Scopus ID: 2-s2.0-105016318110
 - ? eISSN: 23524677
 - ? Volume: 44
 - ? Authors: Cepollini Pietro; D'Agostino Fabio
 - ? Keywords: Control-hardware-in-the-loop | Generalized Nyquist criterion | Impedance-based stability | Inverter based resources | Weak grids
 - ? Quartile:
 - 2025:
 - ? Electrical and Electronic Engineering (Q1, rank 131, percentile 86)
 - ? Control and Systems Engineering (Q1, rank 52, percentile 86)
 - ? Energy Engineering and Power Technology (Q1, rank 63, percentile 80)
 - ? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 71)
 - ? Source Id: 21100371258
 - ? Author Ids: 59312112400;56553864200
 - ? Authoraffiliationids: 60025153;60025153
 - ? Corresponding: Cepollini P.
2.
 - ? Title: A Model Predictive Control-Based Energy Management Strategy for Secure Operations in Shipboard Power Systems
 - ? Venue: IEEE Transactions on Transportation Electrification
 - ? Year: 2025
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 3
 - ? Doi: 10.1109/Tte.2024.3471192
 - ? Scopus ID: 2-s2.0-85205774028
 - ? eISSN: 23327782
 - ? Volume: 11
 - ? Issue: 1
 - ? Pages: 4818-4829
 - ? Authors: D'agostino Fabio; Gallo Marco; Saviozzi Matteo; Silvestro Federico
 - ? Keywords: All electric ship (AES) | energy management system (EMS) | model predictive control (MPC) | security constraints | shipboard microgrid | speed optimization

? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q1, rank 73, percentile 92)
- ? Automotive Engineering (Q1, rank 12, percentile 91)
- ? Transportation (Q1, rank 16, percentile 90)
- ? Energy Engineering and Power Technology (Q1, rank 35, percentile 89)

? Source Id: 21100854649

? Author Ids: 56553864200;58202074000;56027556100;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: D'agostino F.

3.

? Title: Fault Classification in Distribution Networks Using Graph Neural Networks and Discrete Stockwell Transform

? Venue: 2025 IEEE Kiel Powertech Powertech 2025

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1109/PowerTech59965.2025.11180505

? Scopus ID: 2-s2.0-105019295787

? Authors: D'Agostino F.; Mahlalela J. S.; Massucco S.; Mosaico G.; Saviozzi M.; Silvestro F.

? Keywords: Discrete Stockwell Transform | Fault Classification | Graph Neural Network | GraphSMOTE | Node Classification | Waveform Measurement Units

? Source Id: 21101341419

? Author Ids: 56553864200;60150558600;6603357712;57208723957;56027556100;23026343700

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

? Corresponding: D'Agostino F.

4.

? Title: Comparative Assessment of Virtual Inertia in Grid Forming-Based Wind Turbines

? 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/ICPSEurope64998.2025.11169192

? Scopus ID: 2-s2.0-105019041513

? Authors: Cardenas Marcelo; D'Agostino Fabio; Saviozzi Matteo; Silvestro Federico; Conte Francesco

? Keywords: Deloaded Mode | Grid Forming | MPPT | Virtual Inertia | Wind Turbine

? Source Id: 21101340466

? Author Ids: 60109695500;56553864200;56027556100;23026343700;57151673600

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60005308

? Corresponding: Cardenas M.

5.

? Title: Optimal Sizing and Operations of a Hydrogen-Based Multi-Energy Port System with Market Participation and Gas Grid Integration

? 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/ICPSEurope64998.2025.11169295
? Scopus ID: 2-s2.0-105019039502
? Authors: Carcasci Carlo; Conte Francesco; D'Agostino Fabio; Guzzo Gabriele; Natrella Gianluca; Saviozzi Matteo
? Keywords: energy markets | gas network | Hydrogen | multi-energy system | port energy management
? Source Id: 21101340466
? Author Ids: 6701748483;57151673600;56553864200;57224441656;57638571300;56027556100
? Authoraffiliationids: 60021859;108398862;60025153;60021859;60025153;60025153
? Corresponding: Carcasci C.

6.

? Title: Development of the Functional Mock-Up Unit of a Solid-State Circuit Breaker for Digital Twin Applications
? Venue: 2025 IEEE 7th International Conference on Dc Microgrids Icdcm 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Icdcm63994.2025.11144736
? Scopus ID: 2-s2.0-105016993302
? Authors: D'Agostino F.; Silvestro F.; Sivori F.; Purgat P.; Prieto A. Villamil; Ragaini E.
? Keywords: DC microgrid | Digital Twin | Short-circuit | Solid State Circuit Breaker
? Source Id: 21101334493
? Author Ids: 56553864200;23026343700;58288541500;60114010700;60113670600;6507406235
? Authoraffiliationids: 60025153;60025153;60025153;60102057;60102057;60102057
? Corresponding: D'Agostino F.

7.

? Title: Linearization Techniques for Optimizing Pebb-Based DC Power Corridor Using Mixed-Integer Linear Programming
? Venue: 2025 Aeit Hvdc International Conference Aeit Hvdc 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Aeithvdc66044.2025.11079466
? Scopus ID: 2-s2.0-105012575325
? Authors: Gallo M.; Cooke C. M.; Chalfant J. S.; D'agostino F.; Silvestro F.
? Keywords: Linearization | MixedInteger Linear Programming | Optimization Algorithm | Power Electronics Building Block
? Source Id: 21101318126
? Author Ids: 58202074000;7202989205;6603925172;56553864200;23026343700
? Authoraffiliationids: 60025153;60022195;60022195;60025153;60025153
? Corresponding: Gallo M.

8.

? 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.; Bompart 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;60025153;60004300;60017293;60017293
? Corresponding: Mazza A.
9.
? Title: Multiphysics Modeling and Simulation of Integrated Electric Propulsion System for Ship Dynamic Positioning
? Venue: IEEE Transactions on Industry Applications
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1109/Tia.2024.3355869
? Scopus ID: 2-s2.0-85182953922
? Issn: 00939994
? eISSN: 19399367
? Volume: 60
? Issue: 3
? Pages: 4958-4967
? Authors: Donnarumma Silvia; Martelli Michele; D'Agostino Fabio; Kaza Daniele; Silvestro Federico
? Keywords: Dynamic positioning | electric propulsion | frequency regulation | multiphysics modeling
? 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)

2024:

- ? Electrical and Electronic Engineering (Q1, rank 99, percentile 89)
- ? Control and Systems Engineering (Q1, rank 43, percentile 88)
- ? Industrial and Manufacturing Engineering (Q1, rank 52, percentile 87)
- ? Source Id: 17361
- ? Author Ids: 55350308600;55521641400;56553864200;57218924925;23026343700
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Donnarumma S.

10.

- ? Title: PPL Integration Employing SMES System on Naval Vessel: Modeling and Co-Simulation
- ? Venue: 2024 IEEE International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2024
- ? Year: 2024
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Doi: 10.1109/Esars-Itec60450.2024.10819759
- ? Scopus ID: 2-s2.0-85216933888
- ? Authors: Cepollini P.; Dagostino F.; Kaza D.; Roncagliolo D.; Silvestro F.; Chiarelli A.
- ? Keywords: Co-Simulation | EMT simulation | Functional Mockup Interface (FMI) | MIL-STD 1399 | Pulsed Power Load (PPL) | Shipboard Power System (SPS) | STANAG1008 | Superconductive Magnetic Energy Storage (SMES)
- ? Source Id: 21101272773
- ? Author Ids: 59312112400;56553864200;57218924925;59542531500;23026343700;57201718093
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60083109
- ? Corresponding: Cepollini P.

11.

- ? Title: Short-Circuit DC Current Estimation of Hybrid Energy Storage Systems
- ? Venue: 2024 IEEE International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2024
- ? Year: 2024
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 2
- ? Doi: 10.1109/Esars-Itec60450.2024.10819814
- ? Scopus ID: 2-s2.0-85216926280
- ? Authors: D'Agostino F.; Silvestro F.; Sivori F.
- ? Keywords: DC microgrid | hybrid energy storage system | short-circuit
- ? Source Id: 21101272773
- ? Author Ids: 56553864200;23026343700;58288541500
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: D'Agostino F.

12.

- ? Title: Load Profile Estimation for Electric Power Load Analysis
- ? Venue: 2024 IEEE International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2024
- ? Year: 2024
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper

- ? Citations: 1
? Doi: 10.1109/Esars-Itec60450.2024.10819798
? Scopus ID: 2-s2.0-85216923209
? Authors: D'Agostino F.; Gallo M.; Kaza D.; Silvestro F.; Benevieri F.
? Keywords: Electric Plant Load Analysis | microgrids design | power system planning
? Source Id: 21101272773
? Author Ids: 56553864200;58202074000;57218924925;23026343700;59542642500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60083109
? Corresponding: D'Agostino F.
13.
? Title: Optimal Sizing of a Multi - Energy Port with Vehicles Charging Capabilities
? Venue: 2024 IEEE International Conference on Electrical Systems for Aircraft Railway
Ship Propulsion and Road Vehicles and International Transportation Electrification
Conference Esars Itec 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Esars-Itec60450.2024.10819836
? Scopus ID: 2-s2.0-85216923141
? Authors: D'Agostino F.; Gallo M.; Kaza D.; Saviozzi M.; Silvestro F.; Conte F.
? Keywords: Energy Storage System | Multi-Energy | Optimal Sizing | Ship to grid |
Smart Port | Vehicle-to-Grid
? Source Id: 21101272773
? Author Ids: 56553864200;58202074000;57218924925;56027556100;23026343700;57151673600
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60005308
? Corresponding: D'Agostino F.
14.
? Title: Optimal Control of a Wind Farm-BESS Unit to Combine Synthetic Inertia and Fast
Reserve
? Venue: Proceedings 24th Eeeic International Conference on Environment and Electrical
Engineering and 8th I and Cps Industrial and Commercial Power Systems Europe Eeeic I
and Cps Europe 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/EEEIC/ICPSEurope61470.2024.10751006
? Scopus ID: 2-s2.0-85211949831
? Authors: Conte Francesco; D'Agostino Fabio; Massucco Stefano; Saviozzi Matteo;
Rapizza Marco Raffaele; Gandolfi Chiara
? Keywords: Battery Energy Storage Systems | Fast Frequency Regulation | Model
Predictive Control | Synthetic Inertia | Wind Turbines
? Source Id: 21101263912
? Author Ids: 57151673600;56553864200;6603357712;56027556100;55806655700;36699552800
? Authoraffiliationids: 105252934;60025153;60025153;60025153;60104176;60104176
? Corresponding: Conte F.
15.
? Title: Performance Based Sizing of Battery Energy Storage System for AC Shipboard
Microgrid
? Venue: Proceedings 24th Eeeic International Conference on Environment and Electrical
Engineering and 8th I and Cps Industrial and Commercial Power Systems Europe Eeeic I
and Cps Europe 2024
? Year: 2024

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/EEEIC/ICPSEurope61470.2024.10751484
? Scopus ID: 2-s2.0-85211938208
? Authors: D'Agostino F.; Gallo M.; Kaza D.; Silvestro F.; Chiarelli A.; Olcese F.
? Keywords: Battery Energy Storage System | Optimal Sizing | Primary frequency regulation | Shipboard Power System
? Source Id: 21101263912
? Author Ids: 56553864200;58202074000;57218924925;23026343700;57201718093;58592295400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60083109;60083109
? Corresponding: D'Agostino F.

16.

? Title: Investigation on shipboard power quality on cruise ships under high penetration of power converters
? Venue: Proceedings of the International Ship Control Systems Symposium
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.24868/11144
? Scopus ID: 2-s2.0-85210083355
? eISSN: 26318741
? Authors: Graffione Federico; Ghio Francesco; Gallo Marco; D'agostino Fabio; Rudan Andrea; Silvestro Federico
? Keywords: All Electric Ship | Harmonic Load Flow | Power Quality | Shipboard Power System | Total Harmonic Distortion
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 793, percentile 20)
? Ocean Engineering (Q4, rank 93, percentile 20)
? Control and Systems Engineering (Q4, rank 327, percentile 14)
? Human-Computer Interaction (Q4, rank 174, percentile 9)
2024:
? Ocean Engineering (Q4, rank 99, percentile 13)
? Electrical and Electronic Engineering (Q4, rank 860, percentile 11)
? Control and Systems Engineering (Q4, rank 348, percentile 7)
? Human-Computer Interaction (Q4, rank 178, percentile 4)
? Source Id: 21101052918
? Author Ids: 59423757400;59423040800;58202074000;56553864200;59423757500;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60018363;131972184
? Corresponding: Graffione F.

17.

? Title: A Two-Stage Optimal Sizing Algorithm for Multi-Energy Smart Port
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Pesgm51994.2024.10688955
? Scopus ID: 2-s2.0-85207463771
? Issn: 19449925
? eISSN: 19449933
? Authors: Bigliani G.; D'Agostino F.; Gallo M.; Kaza D.; Silvestro F.

? Keywords: cold-ironing | electrolyser | fuel cell | hydrogen | multi-energy | optimisation | Smart Port

? Quartile:

2025:

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

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

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

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

2024:

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

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

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

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

? Source Id: 20600195623

? Author Ids: 59385036700;56553864200;58202074000;57218924925;23026343700

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

? Corresponding: Bigliani G.

18.

? Title: Performance Investigation of an Optimal Control Strategy for Zero-Emission Operations of Shipboard Microgrids

? Venue: 2024 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Speedam61530.2024.10609047

? Scopus ID: 2-s2.0-85201736645

? Pages: 1048-1052

? Authors: D'Agostino Fabio; Gallo Marco; Saviozzi Matteo; Silvestro Federico

? Keywords: Carbon Intensity Indicator | Hydrogen | Ship Speed Optimization | Zero-Emission

? Source Id: 21101243575

? Author Ids: 56553864200;58202074000;56027556100;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: D'Agostino F.

19.

? Title: Power plant design for all-electric ships considering the assessment of carbon intensity indicator

? Venue: Energy

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 14

? DOI: 10.1016/j.energy.2023.129091

? Scopus ID: 2-s2.0-85172656860

? Issn: 03605442

? Volume: 283

? Authors: Gallo Marco; Kaza Daniele; D'Agostino Fabio; Cavo Matteo; Zaccone Raphael; Silvestro Federico

? Keywords: Battery energy storage system | Carbon intensity indicator | Hydrogen | Methanol | Ship

? 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)

2023:

? Modeling and Simulation (Q1, rank 6, percentile 98)
? Civil and Structural Engineering (Q1, rank 8, percentile 98)
? Building and Construction (Q1, rank 6, percentile 97)
? Mechanical Engineering (Q1, rank 18, percentile 97)
? Management, Monitoring, Policy and Law (Q1, rank 13, percentile 96)
? Electrical and Electronic Engineering (Q1, rank 36, percentile 95)
? Industrial and Manufacturing Engineering (Q1, rank 20, percentile 94)
? Energy Engineering and Power Technology (Q1, rank 15, percentile 94)
? Fuel Technology (Q1, rank 8, percentile 94)
? Pollution (Q1, rank 14, percentile 91)
? Renewable Energy, Sustainability and the Environment (Q1, rank 31, percentile 88)
? Energy (all) (Q1, rank 10, percentile 86)

? Source Id: 29348

? Author Ids: 58202074000;57218924925;56553864200;57226549739;56717793100;23026343700

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

? Corresponding: Gallo M.

20.

? Title: Contribution to Electrical System Inertia of Dual Fuel two-stroke Engines in Isolated Grid: A Case Study

? Venue: E3s Web of Conferences

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? DOI: 10.1051/e3sconf/202341402001

? Scopus ID: 2-s2.0-85178385199

? Issn: 25550403

? eISSN: 22671242

? Volume: 414

? Authors: D'Agostino Fabio; Gabriele Bruno; Silvestro Federico; Trasverso Alberto; Sala Silvio

? Source Id: 21100795900

? Author Ids: 56553864200;57219805070;23026343700;58736481800;58737291000

? Authoraffiliationids: 60025153;60025153;60025153;60025153;127892650

? Corresponding: D'Agostino F.

21.

? Title: Rethinking Ports as Multienergy Hubs: Managing cold ironing and hydrogen supply/bunkering

? Venue: IEEE Electrification Magazine

? Year: 2023

? Type: Trade Journal

- ? Subtype: Article
? Citations: 8
? Doi: 10.1109/Mele.2022.3232981
? Scopus ID: 2-s2.0-85150427787
? Issn: 23255897
? eISSN: 23255889
? Volume: 11
? Issue: 1
? Pages: 43-51
? Authors: Conte Francesco; D'Agostino Fabio; Silvestro Federico
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 253, percentile 74)
? Energy Engineering and Power Technology (Q2, rank 95, percentile 71)
2023:
? Electrical and Electronic Engineering (Q2, rank 219, percentile 72)
? Energy Engineering and Power Technology (Q2, rank 83, percentile 69)
? Source Id: 21100374317
? Author Ids: 57151673600;56553864200;23026343700
? Authoraffiliationids: 60005308;60025153;60025153
? Corresponding: Conte F.
22.
? Title: Looking Toward the Energy-Sustainable Smart Port: A Resilient Energy Hub in the Electric Grids [Viewpoint]
? Venue: IEEE Electrification Magazine
? Year: 2023
? Type: Trade Journal
? Subtype: Article
? Citations: 8
? Doi: 10.1109/Mele.2022.3233119
? Scopus ID: 2-s2.0-85150038656
? Issn: 23255897
? eISSN: 23255889
? Volume: 11
? Issue: 1
? Pages: 90-92
? Authors: Prousalidis John; D'Agostino Fabio
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 253, percentile 74)
? Energy Engineering and Power Technology (Q2, rank 95, percentile 71)
2023:
? Electrical and Electronic Engineering (Q2, rank 219, percentile 72)
? Energy Engineering and Power Technology (Q2, rank 83, percentile 69)
? Source Id: 21100374317
? Author Ids: 36902044300;56553864200
? Authoraffiliationids: 60002947;60025153
? Corresponding: Prousalidis J.
23.
? Title: Welcome to the Special Issue on Smart and Sustainable Ports [Guest Editorial]
? Venue: IEEE Electrification Magazine
? Year: 2023
? Type: Trade Journal
? Subtype: Review

? Citations: 0
? Doi: 10.1109/Mele.2022.3232921
? Scopus ID: 2-s2.0-85150025789
? Issn: 23255897
? eISSN: 23255889
? Volume: 11
? Issue: 1
? Pages: 4-5
? Authors: Prousalidis John; D'Agostino Fabio
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 253, percentile 74)
? Energy Engineering and Power Technology (Q2, rank 95, percentile 71)
2023:
? Electrical and Electronic Engineering (Q2, rank 219, percentile 72)
? Energy Engineering and Power Technology (Q2, rank 83, percentile 69)
? Source Id: 21100374317
? Author Ids: 36902044300;56553864200
? Authoraffiliationids: 60002947;60025153
? Corresponding: Prousalidis J.

24.
? Title: Investigating the Stability of a DC Shipboard Microgrid protected with Solid-State Circuit Breaker
? Venue: 2023 8th IEEE Workshop on the Electronic Grid Egrid 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/eGrid58358.2023.10380920
? Scopus ID: 2-s2.0-85183575323
? Authors: D'Agostino F.; Silvestro F.; Sivori F.
? Keywords: DC microgrid | impedance modeling | shipboard power system | solid state circuit breaker
? Source Id: 21101198606
? Author Ids: 56553864200;23026343700;58288541500
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: D'Agostino F.

25.
? Title: High-Temperature Superconducting Cables for Shipboard Applications: Design Considerations
? Venue: 2023 115th Aeit International Annual Conference Aeit 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.23919/Aeit60520.2023.10330361
? Scopus ID: 2-s2.0-85180411536
? Authors: D'Agostino Fabio; Gallo Marco; Sivori Fabrizio; Silvestro Federico; Chiarelli Antonio; Grasso Giovanni
? Keywords: Cable sizing | HTS | IPS | Shipboard power system | SPS
? Source Id: 21101194035
? Author Ids: 56553864200;58202074000;58288541500;23026343700;57201718093;55444843500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60083109;125180588
? Corresponding: D'Agostino F.

26.

- ? Title: Green Smart Port Energy System Design: Optimal Sizing
- ? Venue: IEEE Power and Energy Society General Meeting
- ? Year: 2023
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 6
- ? Doi: 10.1109/Pesgm52003.2023.10253013
- ? Scopus ID: 2-s2.0-85174684428
- ? Issn: 19449925
- ? eISSN: 19449933
- ? Volume: 2023-July
- ? Authors: D'Agostino F.; Kaza D.; Silvestro F.; Rrukaj R.; Zadeh M.
- ? Keywords: Battery Energy Storage System (BESS) | Cost optimization | Green Port | Hydrogen fuel | Multi-energy carrier | Optimal Sizing | Shore-Power
- ? Quartile:
- 2025:
 - ? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)
 - ? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)
 - ? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)
 - ? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)
- ? Source Id: 20600195623
- ? Author Ids: 56553864200;57218924925;23026343700;57151673600;57369067300;55943250200
- ? Authoraffiliationids: 60025153;60025153;60025153;108398862;60013141;60013141
- ? Corresponding: D'Agostino F.

27.

- ? Title: Distribution Network Topology Identification by PMU-based State Estimation
- ? Venue: 2023 International Conference on Clean Electrical Power Iccep 2023
- ? Year: 2023
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 1
- ? Doi: 10.1109/Iccep57914.2023.10247365
- ? Scopus ID: 2-s2.0-85173605674
- ? Pages: 130-135
- ? Authors: Conte F.; D'Agostino F.; Gabriele B.; Massucco S.; Silvestro F.
- ? Keywords: Distribution Network | Network Observability | Phasor Measurement Units | State Estimation | Topology Identification
- ? Source Id: 21101181867
- ? Author Ids: 57151673600;56553864200;57219805070;6603357712;23026343700
- ? Authoraffiliationids: 60005308;60025153;60025153;60025153;60025153
- ? Corresponding: Conte F.

28.

- ? Title: A Cross-Current Compensation Control Scheme to Improve Voltage Regulation and Power Sharing in DC Shipboard Microgrids
- ? Venue: 2023 IEEE Electric Ship Technologies Symposium Ests 2023
- ? Year: 2023
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Doi: 10.1109/Ests56571.2023.10220498
- ? Scopus ID: 2-s2.0-85171468478
- ? Pages: 447-452
- ? Authors: D'Agostino F.; Silvestro F.; Sivori F.

- ? Keywords: DC microgrid | distributed control | shipboard microgrid | voltage compensation
? Source Id: 21101177651
? Author Ids: 56553864200;23026343700;58288541500
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: D'Agostino F.
29.
? Title: Decarbonization of the Maritime Transportation Systems: Recent Progress, Challenges, and Prospects
? Venue: 2023 IEEE Electric Ship Technologies Symposium Ests 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Ests56571.2023.10220507
? Scopus ID: 2-s2.0-85171468285
? Pages: 224-230
? Authors: Aktas Tugce Uslu; Shi Jian; Lim Gino J.; Prousalidis John; D'Agostino Fabio; Liang Chengji
? Keywords: alternative energy sources | alternative fuels | decarbonization | maritime transportation | shipping emissions | sustainability
? Source Id: 21101177651
? Author Ids: 58167835800;55491835900;55801936400;36902044300;56553864200;7403280733
? Authoraffiliationids: 60151362;60151362;60151362;60002947;60025153;60025785
? Corresponding: Aktas T.U.
30.
? Title: A Survey on Pulse Power Load Applications and Tools for Simulation
? Venue: 2023 IEEE Electric Ship Technologies Symposium Ests 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/Ests56571.2023.10220530
? Scopus ID: 2-s2.0-85171462312
? Pages: 167-173
? Authors: D'Agostino F.; Kaza D.; Silvestro F.; Chiarelli A.; Olcese F.
? Keywords: model based design | PPL | SPS
? Source Id: 21101177651
? Author Ids: 56553864200;57218924925;23026343700;57201718093;58592295400
? Authoraffiliationids: 60025153;60025153;60025153;60083109;60083109
? Corresponding: D'Agostino F.
31.
? Title: Optimal Storage Allocation for Transmission Network Development Planning: Study Case of Sicily
? Venue: 2023 IEEE Belgrade Powertech Powertech 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/PowerTech55446.2023.10202764
? Scopus ID: 2-s2.0-85169444849
? Authors: D'Agostino F.; Gabriele B.; Mosaico G.; Saviozzi M.; Silvestro F.
? Keywords: Probabilistic Planning | Storage Allocation | Storage Sizing | Transmission Systems | Volt/Var Optimization

? Source Id: 21101175266

? Author Ids: 56553864200;57219805070;57208723957;56027556100;23026343700

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

? Corresponding: D'Agostino F.

32.

? Title: Average Modeling of DC-DC Converters for DC Shipboard Microgrids with Constant Power Loads

? Venue: 2023 IEEE International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2023

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Esars-Itec57127.2023.10114903

? Scopus ID: 2-s2.0-85160202244

? Authors: D'Agostino F.; Silvestro F.; Sivori F.; Fidigatti A.; Ragaini E.

? Keywords: constant power load | DC microgrid | shipboard power system | state space averaging

? Source Id: 21101154140

? Author Ids: 56553864200;23026343700;58288541500;36699443500;6507406235

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

? Corresponding: D'Agostino F.

33.

? Title: The SSE-ID Card of Ships in the Sustainable Maritime Framework

? Venue: 2023 IEEE International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2023

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Esars-Itec57127.2023.10114812

? Scopus ID: 2-s2.0-85160201424

? Authors: Prousalidis John; D'Agostino Fabio; Manos Anastasios; Bosich Daniele

? Keywords: cold ironing | electrification of ports | electrification of ships | Shore-to-ship interconnections | SSE | sustainability

? Source Id: 21101154140

? Author Ids: 36902044300;56553864200;59999085600;41660985300

? Authoraffiliationids: 60002947;60025153;126346563;60018363

? Corresponding: Prousalidis J.

34.

? Title: A Security-Constrained Optimal Power Management Algorithm for Shipboard Microgrids with Battery Energy Storage System

? Venue: 2023 IEEE International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2023

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Doi: 10.1109/Esars-Itec57127.2023.10114833

? Scopus ID: 2-s2.0-85160199845

? Authors: D'Agostino F.; Gallo M.; Saviozzi M.; Silvestro F.

? Keywords: Battery Energy Storage System | Efficiency | Power Management Strategy | Security Constraints

? Source Id: 21101154140

? Author Ids: 56553864200;58202074000;56027556100;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: D'Agostino F.

35.

? Title: Fault Detection and Localization in Active Distribution Networks Using Optimally Placed Phasor Measurements Units

? Venue: IEEE Transactions on Power Systems

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 32

? Doi: 10.1109/Tpwr.2022.3165685

? Scopus ID: 2-s2.0-85128274764

? Issn: 08858950

? eISSN: 15580679

? Volume: 38

? Issue: 1

? Pages: 714-727

? Authors: Conte Francesco; D'Agostino Fabio; Gabriele Bruno; Schiapparelli Giacomo Piero; Silvestro Federico

? Keywords: Distribution networks | fault detection and localization | phasor measurement units | state estimation

? Quartile:

2025:

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

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

2023:

? Electrical and Electronic Engineering (Q1, rank 35, percentile 95)

? Energy Engineering and Power Technology (Q1, rank 14, percentile 95)

? Source Id: 28825

? Author Ids: 57151673600;56553864200;57219805070;57204003255;23026343700

? Authoraffiliationids: 60025153-60005308;60025153;60025153;60025153;60025153

? Corresponding: Conte F.

36.

? Title: High-Voltage Shore Connection Systems: Grounding Resistance Selection and Short-Circuit Currents Evaluation

? Venue: IEEE Transactions on Transportation Electrification

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 17

? Doi: 10.1109/Tte.2021.3137717

? Scopus ID: 2-s2.0-85122088992

? eISSN: 23327782

? Volume: 8

? Issue: 2

? Pages: 2608-2617

? Authors: D'Agostino Fabio; Grillo Samuele; Infantino Roberto; Pons Enrico

? Keywords: Cold ironing | frequency converter | neutral grounding resistance | shore connection

? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q1, rank 73, percentile 92)
- ? Automotive Engineering (Q1, rank 12, percentile 91)
- ? Transportation (Q1, rank 16, percentile 90)
- ? Energy Engineering and Power Technology (Q1, rank 35, percentile 89)

2022:

- ? Automotive Engineering (Q1, rank 8, percentile 93)
- ? Electrical and Electronic Engineering (Q1, rank 63, percentile 91)
- ? Energy Engineering and Power Technology (Q1, rank 27, percentile 89)
- ? Transportation (Q1, rank 15, percentile 88)
- ? Source Id: 21100854649
- ? Author Ids: 56553864200;24437542800;57382978500;11339101500
- ? Authoraffiliationids: 60025153;60023256;60023256;60012162
- ? Corresponding: D'Agostino F.

37.

- ? Title: Power System Stability Analysis of the Sicilian Network in the 2050 OSMOSE Project Scenario ?
- ? Venue: Energies
- ? Year: 2022
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 6
- ? DOI: 10.3390/en15103517
- ? Scopus ID: 2-s2.0-85133441159
- ? eISSN: 19961073
- ? Volume: 15
- ? Issue: 10
- ? Authors: Amankwahadu James; Berizzi Alberto; Conte Francesco; D'Agostino Fabio; Ilea Valentin; Napolitano Fabio; Pontecorvo Tadeo; Vicario Andrea
- ? Keywords: Demand response | Large perturbation angle stability | Reactive compensation | Small perturbation angle stability | Synthetic inertia | Voltage stability
- ? 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: 57781949000;7004434560;57151673600;56553864200;35324252500;36523696100;56737068200;57218847357
- ? Authoraffiliationids: 60028218;60023256;60025153;60025153;60023256;60028218;60028218;60023256

- ? Corresponding: Amankwahadu J.
38.
? Title: Real-Time Power System Laboratories at the University of Genoa
? Venue: 2022 Aeit International Annual Conference Aeit 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.23919/Aeit56783.2022.9951786
? Scopus ID: 2-s2.0-85143621135
? Authors: Bonfiglio Andrea; Bracco Stefano; D'Agostino Fabio; Delfino Federico; Laiolo Paola; Invernizzi Marco; Massucco Stefano; Procopio Renato; Saviozzi Matteo; Silvestro Federico
? Keywords: Power Laboratories | Power Systems | Real Time Simulation
? Source Id: 21101125262
? Author Ids: 36607521000;15049159900;56553864200;6603766602;56576462300;6701527755;6603357712;7801615894;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.
39.
? Title: Optimal Management of a Smart Port with Shore-Connection and Hydrogen Supplying by Stochastic Model Predictive Control
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 17
? Doi: 10.1109/Pesgm48719.2022.9916817
? Scopus ID: 2-s2.0-85141492983
? Issn: 19449925
? eISSN: 19449933
? Volume: 2022-July
? Authors: Conte F.; D'Agostino F.; Kaza D.; Massucco S.; Natrella G.; Silvestro F.
? Keywords: Cold-Ironing | Hydrogen | Multi-Energy Systems | Smart Port | Stochastic Model Predictive Control
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)
? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)
? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)
? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)
? Source Id: 20600195623
? Author Ids: 57151673600;56553864200;57218924925;6603357712;57638571300;23026343700
? Authoraffiliationids: 60005308;60025153;60025153;60025153;60025153;60025153
? Corresponding: Conte F.
40.
? Title: An Efficiency-Based Power Management Strategy for an Isolated Microgrid Project
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2

? Doi: 10.1109/Pesgm48719.2022.9916899
? Scopus ID: 2-s2.0-85141448851
? Issn: 19449925
? eISSN: 19449933
? Volume: 2022-July

? Authors: Conte Francesco; D'Agostino Fabio; Mosaico Gabriele; Silvestro Federico; Grillo Samuele

? Keywords: efficiency | energy storage | isolated microgrid | optimal sizing | power management system

? Quartile:

2025:

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

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

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

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

? Source Id: 20600195623

? Author Ids: 57151673600;56553864200;57208723957;23026343700;24437542800

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

? Corresponding: Conte F.

41.

? Title: Equivalent dynamic modeling of active distribution networks for TSO-DSO interactions

? Venue: Decentralized Frameworks for Future Power Systems Operation Planning and Control Perspectives

? Year: 2022

? Type: Book

? Subtype: Book Chapter

? Citations: 1

? Doi: 10.1016/B978-0-323-91698-1.00002-9

? Scopus ID: 2-s2.0-85139625914

? Pages: 227-275

? Authors: Conte F.; Silvestro F.; D'Agostino F.

? Keywords: Active distribution networks | Dynamic equivalents | Gray-box modeling

? Source Id: 21101112985

? Author Ids: 57151673600;23026343700;56553864200

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Conte F.

42.

? Title: Experimental Assessment of Power Converters Control Strategies for Shipboard Microgrids

? Venue: 2022 IEEE International Conference on Environment and Electrical Engineering and 2022 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2022

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1109/EEEIC/ICPSEurope54979.2022.9854761

? Scopus ID: 2-s2.0-85137987811

? Authors: Schiapparelli Giacomo Piero; Passalacqua Massimiliano; D'Agostino Fabio; Vaccaro Luis; Marchesoni Mario; Silvestro Federico

? Keywords: experimental setup | Grid-following con-verters | Grid-forming converters | shipboard microgrids

? Source Id: 21101107964

- ? Author Ids: 57204003255;57195070159;56553864200;21935399500;6701827441;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Schiapparelli G.P.
- 43.
- ? Title: Coordinated Inertial Response Provision by Wind Turbine Generators: Effect on Power System Small-Signal Stability of the Sicilian Network
? Venue: 2022 IEEE International Conference on Environment and Electrical Engineering and 2022 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? DOI: 10.1109/EEEIC/ICPSEurope54979.2022.9854616
? Scopus ID: 2-s2.0-85137980533
? Authors: Adu James Amankwah; Tossani Fabio; Pontecorvo Tadeo; Ilea Valentin; Vicario Andrea; Conte Francesco; D'Agostino Fabio
? Keywords: Permanent magnet synchronous generator | small-signal stability | synthetic inertia | wind turbine
? Source Id: 21101107964
? Author Ids:
57210205417;56147940700;56737068200;35324252500;57218847357;57151673600;56553864200
? Authoraffiliationids: 60028218;60028218;60028218;60023256;60023256;60025153;60025153
? Corresponding: Adu J.A.
- 44.
- ? Title: Multiphysics Modeling and Simulation of Integrated Electric Propulsion System for Ship Dynamic Positioning
? Venue: 2022 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Speedam53979.2022.9841976
? Scopus ID: 2-s2.0-85136188410
? Pages: 645-650
? Authors: Donnarumma S.; Martelli M.; D'Agostino F.; Kaza D.; Silvestro F.
? Keywords: Dynamic positioning | electric propulsion | frequency regulation | multiphysics modeling
? Source Id: 21101101911
? Author Ids: 55350308600;55521641400;56553864200;57218924925;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Donnarumma S.
- 45.
- ? Title: On Estimating the Port Power Demands for Cold Ironing Applications
? Venue: 2021 IEEE Electric Ship Technologies Symposium Ests 2021
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 18
? Doi: 10.1109/Ests49166.2021.9512359
? Scopus ID: 2-s2.0-85113972623
? Authors: D'Agostino F.; Schiapparelli G. P.; Dallas S.; Spathis D.; Georgiou V.; Prousalidis J.

? Keywords: Cold ironing | load demand curves | load forecasting | ship emissions
? Source Id: 21101057908
? Author Ids: 56553864200;57204003255;36514336900;57204811265;57200144002;36902044300
? Authoraffiliationids: 60025153;60025153;126803211;126803211;126803211;60002947
? Corresponding: D'Agostino F.

46.

? Title: Experimental Validation of a Dynamic Equivalent Model for Microgrids
? Venue: IEEE Transactions on Industry Applications
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 15
? Doi: 10.1109/Tia.2021.3064522
? Scopus ID: 2-s2.0-85102655184
? Issn: 00939994
? eISSN: 19399367
? Volume: 57
? Issue: 3
? Pages: 2202-2211
? Authors: Conte Francesco; D'Agostino Fabio; Massucco Stefano; Silvestro Federico; Bossi Claudio; Cabiati Mattia
? Keywords: Dynamic equivalents | experimental results | gray-box modeling | microgrids | system identification
? 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)
2021:
? Industrial and Manufacturing Engineering (Q1, rank 25, percentile 92)
? Electrical and Electronic Engineering (Q1, rank 64, percentile 91)
? Control and Systems Engineering (Q1, rank 26, percentile 90)
? Source Id: 17361
? Author Ids: 57151673600;56553864200;6603357712;23026343700;20336947400;57201311192
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176
? Corresponding: Conte F.

47.

? Title: Small-Signal Stability Analysis of a DC Shipboard Microgrid with Droop-Controlled Batteries and Constant Power Resources
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Pesgm46819.2021.9638117
? Scopus ID: 2-s2.0-85124149565
? Issn: 19449925
? eISSN: 19449933
? Volume: 2021-July
? Authors: Conte F.; D'Agostino F.; Massucco S.; Silvestro F.; Grillo S.
? Keywords: dc microgrids | droop control | shipboard power system | stability analysis
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)

? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)
? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)
? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)
? Source Id: 20600195623
? Author Ids: 57151673600;56553864200;6603357712;23026343700;24437542800
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60023256
? Corresponding: Conte F.

48.

? Title: Assessment of the Potential Shore to Ship Load Demand: The Italian Scenario
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1109/Pesgm46819.2021.9638000
? Scopus ID: 2-s2.0-85114000140
? Issn: 19449925
? eISSN: 19449933
? Volume: 2021-July
? Authors: D'Agostino F.; Kaza D.; Schiapparelli G. P.; Silvestro F.; Bossi C. L.; Colzi F.
? Keywords: Cold ironing | Distributed generation | Harbour grid
? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)
? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)
? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)
? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)
? Source Id: 20600195623
? Author Ids: 56553864200;57218924925;57204003255;23026343700;20336947400;56422186500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176
? Corresponding: D'Agostino F.

49.

? Title: The ShIL Project: A new laboratory infrastructure for co-simulation of multi-domain marine applications
? Venue: 12th Aeit International Annual Conference Aeit 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.23919/Aeit50178.2020.9241110
? Scopus ID: 2-s2.0-85097198320
? Authors: D'Agostino Fabio; Kaza Daniele; Schiapparelli Giacomo Piero; Silvestro Federico
? Keywords: distributed generation | living laboratory | microgrid | shipboard power system | Smart grids | storage
? Source Id: 21101029719
? Author Ids: 56553864200;57218924925;57204003255;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: D'Agostino F.

50.

? Title: Performance Comparative Assessment of Grid Connected Power Converters Control Strategies
? Venue: Proceedings 2020 2nd IEEE International Conference on Industrial Electronics

for Sustainable Energy Systems Ieses 2020

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/ieses45645.2020.9210693

? Scopus ID: 2-s2.0-85090803560

? Pages: 131-136

? Authors: D'Agostino Fabio; Massucco Stefano; Schiapparelli Giacomo Piero; Silvestro Federico; Paolone Mario

? Source Id: 21101024175

? Author Ids: 56553864200;6603357712;57204003255;23026343700;6602935459

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

? Corresponding: D'Agostino F.

51.

? Title: Development of a multiphysics real-time simulator for model-based design of a DC shipboard microgrid

? Venue: Energies

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 19

? DOI: 10.3390/en13143580

? Scopus ID: 2-s2.0-85090804759

? eISSN: 19961073

? Volume: 13

? Issue: 14

? Authors: D'Agostino Fabio; Kaza Daniele; Martelli Michele; Schiapparelli Giacomo P.; Silvestro Federico; Soldano Carlo

? Keywords: DC microgrid | HIL | Marine propulsion | Model-based design | Multi physics simulation | Ship dynamic | Shipboard power systems

? 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: 56553864200;57218924925;55521641400;57204003255;23026343700;57218925964

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

? Corresponding: D'Agostino F.

52.

? Title: Control strategy and architecture for integrating distributed fuel cells on

board large cruise ships

? Venue: 2020 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1109/Speedam48782.2020.9161857
? Scopus ID: 2-s2.0-85091181116
? Pages: 414-418
? Authors: D'Agostino Fabio; Gualeni Paola; Schiapparelli Giacomo P.; Silvestro Federico
? Keywords: Control strategy | Cruise ships | Distributed power generation systems
? Source Id: 21101021766
? Author Ids: 56553864200;15057843300;57204003255;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: D'Agostino F.

53.

? Title: Experimental Validation of a Dynamic Equivalent Model for Microgrids
? Venue: Proceedings 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160727
? Scopus ID: 2-s2.0-85090406171
? Authors: Conte Francesco; D'Agostino Fabio; Massucco Stefano; Silvestro Federico; Bossi Claudio; Cabiati Mattia
? Keywords: dynamic equivalents | experimental results | gray-box modeling | microgrids | system identification
? Source Id: 21101021268
? Author Ids: 57151673600;56553864200;6603357712;23026343700;20336947400;57201311192
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176
? Corresponding: Conte F.

54.

? Title: Integration of Shipboard Microgrids within Land Distribution Networks: Employing a Ship Microgrid to Meet Critical Needs
? Venue: IEEE Electrification Magazine
? Year: 2019
? Type: Trade Journal
? Subtype: Article
? Citations: 16
? Doi: 10.1109/Mele.2019.2943979
? Scopus ID: 2-s2.0-85076349334
? Issn: 23255897
? eISSN: 23255889
? Volume: 7
? Issue: 4
? Pages: 69-80
? Authors: D'Agostino Fabio; Fidigatti Antonio; Ragaini Enrico; Silvestro Federico
? Quartile:
2025:

- ? Electrical and Electronic Engineering (Q2, rank 253, percentile 74)
? Energy Engineering and Power Technology (Q2, rank 95, percentile 71)
2019:
? Energy Engineering and Power Technology (Q1, rank 28, percentile 87)
? Electrical and Electronic Engineering (Q1, rank 94, percentile 86)
? Source Id: 21100374317
? Author Ids: 56553864200;36699443500;6507406235;23026343700
? Authoraffiliationids: 60025153;60102057;60102057;60025153
? Corresponding: D'Agostino F.
55.
? Title: Modeling and real-time simulation of a DC shipboard microgrid
? Venue: 2019 21st European Conference on Power Electronics and Applications EPE 2019 Ecce Europe
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.23919/Epe.2019.8915390
? Scopus ID: 2-s2.0-85076704871
? Authors: D'Agostino Fabio; Massucco Stefano; Schiapparelli Giacomo Piero; Silvestro Federico
? Keywords: BESS | Droop control | Microgrid | Variable speed generators
? Source Id: 21100939561
? Author Ids: 56553864200;6603357712;57204003255;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: D'Agostino F.
56.
? Title: DC Shipboard Microgrid Modeling for Fuel Cell Integration Study
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1109/Pesgm40551.2019.8973461
? Scopus ID: 2-s2.0-85076709330
? Issn: 19449925
? eISSN: 19449933
? Volume: 2019-August
? Authors: D'Agostino F.; Schiapparelli G. P.; Silvestro F.; Grillo S.
? Keywords: dc microgrids | droop control | power management system | shipboard power system | voltage deviations
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)
? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)
? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)
? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)
? Source Id: 20600195623
? Author Ids: 56553864200;57204003255;23026343700;24437542800
? Authoraffiliationids: 60025153;60025153;60025153;60023256
? Corresponding: D'Agostino F.
57.
? Title: Optimal der regulation and storage allocation in distribution networks: Volt/Var optimization and congestion relief

? Venue: 2019 IEEE Milan Powertech Powertech 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Ptc.2019.8810422
? Scopus ID: 2-s2.0-85072333190
? Authors: D'Agostino F.; Massucco S.; Pongiglione P.; Saviozzi M.; Silvestro F.
? Keywords: Distribution Systems | Optimal Allocation | Optimal Sizing | Storage Systems | Vol/Var
? Source Id: 21100929352
? Author Ids: 56553864200;6603357712;57195506239;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: D'Agostino F.

58.

? Title: The Podcast Project: An Application of Volt/Var Optimization to the Electric Distribution Network of Sanremo (Italy)
? Venue: Synergy MED 2019 1st International Conference on Energy Transition in the Mediterranean Area
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? DOI: 10.1109/SyNERGY-MED.2019.8764115
? Scopus ID: 2-s2.0-85069934277
? Authors: Crosa M.; D'Agostino F.; Massucco S.; Pongiglione P.; Saviozzi M.; Silvestro F.
? Keywords: Distribution Management Systems | SCADA | Storage Systems | Volt/Nar
? Source Id: 21100921038
? Author Ids: 14007502100;56553864200;6603357712;57195506239;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Crosa M.

59.

? Title: Operational constrained nonlinear modeling and identification of active distribution networks
? Venue: Electric Power Systems Research
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 42
? DOI: 10.1016/j.epsr.2018.11.014
? Scopus ID: 2-s2.0-85057456756
? Issn: 03787796
? Volume: 168
? Pages: 92-104
? Authors: Conte F.; D'Agostino F.; Silvestro F.
? Keywords: Active distribution networks | Dynamic equivalents | Grey box modeling
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)
2019:
? Energy Engineering and Power Technology (Q1, rank 25, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 84, percentile 87)

- ? Source Id: 16044
? Author Ids: 57151673600;56553864200;23026343700
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Conte F.
60.
? Title: Mixed-integer algorithm for optimal dispatch of integrated PV-storage systems
? Venue: IEEE Transactions on Industry Applications
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 37
? Doi: 10.1109/Tia.2018.2870072
? Scopus ID: 2-s2.0-85053325710
? Issn: 00939994
? eISSN: 19399367
? Volume: 55
? Issue: 1
? Pages: 238-247
? Authors: Conte Francesco; D'Agostino Fabio; Pongiglione Paola; Saviozzi Matteo; Silvestro Federico
? Keywords: Battery management system (BMS) efficiency | general algebraic modeling system (GAMS) | microgrid | optimization | photovoltaic (PV) integration | renewable energy source (RES) | storage modeling | storage system
? 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: 57151673600;56553864200;57195506239;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Conte F.
61.
? Title: Mitigation of Voltage Deviations in DC Shipboard Microgrids Through the Active Utilization of Battery Energy Storage Systems
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Pesgm.2018.8585952
? Scopus ID: 2-s2.0-85060816887
? Issn: 19449925
? eISSN: 19449933
? Volume: 2018-August
? Authors: Fernandez-Porras J. P.; Grillo S.; D'Agostino F.; Silvestro F.
? Keywords: DC microgrid | Dc shipboard power plant | Microgrid stability | Power management system
? Quartile:
2025:

? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)
? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)
? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)
? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)
? Source Id: 20600195623
? Author Ids: 57205613049;24437542800;56553864200;23026343700
? Authoraffiliationids: 100759248;100759248;60025153;60025153
? Corresponding: Fernandez-Porras J.P.

62.

? Title: A Collaborative Laboratory for Shipboard Microgrid: Research and Training
? Venue: 2018 110th Aeit International Annual Conference Aeit 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.23919/Aeit.2018.8577304
? Scopus ID: 2-s2.0-85060271149
? Authors: Silvestro Federico; D'Agostino Fabio; Schiapparelli Giacomo Piero; Boveri Alessandro; Patuelli Daniele; Ragaini Enrico
? Keywords: Distributed generation | Living laboratory | Microgrid | Shipboard power system | Smart grids | Storage
? Source Id: 21100895607
? Author Ids: 23026343700;56553864200;57204003255;57189898597;57205504190;6507406235
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057;60102057
? Corresponding: Silvestro F.

63.

? Title: A Stochastic Approach to Shipboard Electric Loads Power Modeling and Simulation
? Venue: 2018 IEEE International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Esars-Itec.2018.8607499
? Scopus ID: 2-s2.0-85062056151
? Authors: Boveri Alessandro; D'Agostino Fabio; Gualeni Paola; Neroni Diego; Silvestro Federico
? Keywords: HMM | Load modeling | load power time profiles | shipboard electric load prediction
? Source Id: 21101033503
? Author Ids: 57189898597;56553864200;15057843300;57201858088;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Boveri A.

64.

? Title: Real time control of a low voltage microgrid through a Distribution Management System
? Venue: 2017 6th International Conference on Clean Electrical Power Renewable Energy Resources Impact Icce 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2

- ? Doi: 10.1109/Iccep.2017.8004804
? Scopus ID: 2-s2.0-85028507084
? Pages: 133-138
? Authors: D'Agostino F.; Massucco S.; Saviozzi M.; Silvestro F.
? Keywords: Distribution Management System | Microgrid | Real Time Control
? Source Id: 21100828603
? Author Ids: 56553864200;6603357712;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: D'Agostino F.
- 65.
- ? Title: Low voltage microgrid islanding through adaptive load shedding
? 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: 4
? Doi: 10.1109/Eeeic.2017.7977861
? Scopus ID: 2-s2.0-85026891005
? Authors: D'Agostino F.; Massucco S.; Silvestro F.; Fidigatti A.; Monachesi F.; Ragaini E.
? Keywords: Islanding | Load Shedding | Microgrid | ROCOF
? Source Id: 21100826362
? Author Ids: 56553864200;6603357712;23026343700;36699443500;56028076900;6507406235
? Authoraffiliationids: 60025153;60025153;60025153;60102057;60102057;60102057
? Corresponding: D'Agostino F.
- 66.
- ? Title: Mixed-integer algorithm for optimal dispatch of integrated PV-storage systems
? 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: 7
? Doi: 10.1109/Eeeic.2017.7977430
? Scopus ID: 2-s2.0-85026736856
? Authors: Adinolfi F.; Conte F.; D'Agostino F.; Massucco S.; Saviozzi M.; Silvestro F.
? Keywords: BMS efficiency | Dispatching | GAMS | Microgrid | Optimization | PV integration | RES | Storage systems
? Source Id: 21100826217
? Author Ids: 55615847600;57151673600;56553864200;6603357712;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Adinolfi F.
- 67.
- ? Title: Dynamic equivalent modelling of active distribution networks for TSO-DSO interactions
? Venue: 2017 IEEE Pes Innovative Smart Grid Technologies Conference Europe Isgt Europe 2017 Proceedings
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 24

? DOI: 10.1109/ISGTEurope.2017.8260235
? Scopus ID: 2-s2.0-85046290246
? Volume: 2018-January
? Pages: 1-6
? Authors: Conte F.; D'Agostino F.; Massucco S.; Palombo G.; Silvestro F.; Bossi C.; Cabiati M.
? Keywords: Active distribution networks | Dynamic equivalents | Gray-Box modelling | System identification
? Source Id: 21100933068
? Author Ids:
57151673600;56553864200;6603357712;56203913300;23026343700;20336947400;57201311192
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60104176;60104176
? Corresponding: Conte F.

68.

? Title: Dynamic modeling of a supply vessel power system for DP3 protection system
? Venue: IEEE Transactions on Transportation Electrification
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 25
? Doi: 10.1109/Tte.2016.2594156
? Scopus ID: 2-s2.0-85050134820
? eISSN: 23327782
? Volume: 2
? Issue: 4
? Pages: 570-579
? Authors: Boveri Alessandro; D'Agostino Fabio; Fidigatti Antonio; Ragaini Enrico; Silvestro Federico
? Keywords: Dynamic modeling | Dynamic Position 3 (DP3) | load shedding | prime mover (PM) | short-circuit calculation | zonal protection
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 73, percentile 92)
? Automotive Engineering (Q1, rank 12, percentile 91)
? Transportation (Q1, rank 16, percentile 90)
? Energy Engineering and Power Technology (Q1, rank 35, percentile 89)
? Source Id: 21100854649
? Author Ids: 57189898597;56553864200;36699443500;6507406235;23026343700
? Authoraffiliationids: 60025153;60025153;60102057;60102057;60025153
? Corresponding: Boveri A.

69.

? Title: Intentional islanding of Microgrid by frequency support with building HVAC system
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Pesgm.2016.7741727
? Scopus ID: 2-s2.0-85002497901
? Issn: 19449925
? eISSN: 19449933
? Volume: 2016-November
? Authors: Conte Francesco; D'Agostino Fabio; Massucco Stefano; Silvestro Federico

? Keywords: Battery Storage System | Building Microgrid | Demand response | Diesel performance

? Quartile:

2025:

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

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

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

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

? Source Id: 20600195623

? Author Ids: 57151673600;56553864200;6603357712;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Conte F.

70.

? Title: Reliability assessment of distribution systems incorporating feeder restoration actions

? Venue: 19th Power Systems Computation Conference PscC 2016

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 5

? Doi: 10.1109/PscC.2016.7540931

? Scopus ID: 2-s2.0-84986570800

? Authors: D'Agostino Fabio; Silvestro Federico; Schneider Kevin P.; Liu Chen Ching; Xu Yin; Ton Dan T.

? Keywords: Distribution System Reliability | Distribution System Restoration | Space State Tree

? Source Id: 21100778001

? Author Ids: 56553864200;23026343700;56212419600;25927307000;36621883800;26535167100

? Authoraffiliationids: 60025153;60025153;60023471;60160236;60160236;60032484

? Corresponding: D'Agostino F.

71.

? Title: Implementation of a distribution state estimation algorithm on a low voltage test facility with distributed energy resources

? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? DOI: 10.1109/ISGTEurope.2016.7856230

? Scopus ID: 2-s2.0-85017555508

? Authors: D'Agostino Fabio; Massucco Stefano; Silvestro Federico; Bossi Claudio; Guagliardi Antonio; Sandroni Carlo

? Keywords: Distributed Energy Resources | Distribution State Estimation | Low Voltage Test Facility | Microgrid

? Source Id: 21100962461

? Author Ids: 56553864200;6603357712;23026343700;20336947400;56394234800;56394273200

? Authoraffiliationids: 60025153;60025153;60025153;60104176;60104176;60104176

? Corresponding: D'Agostino F.

72.

? Title: Analysis of the impact of AFE active front end on the THD on a shipboard power system: A comparison study using different simulation approaches

? Venue: 2016 International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2016

? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Egars-Itec.2016.7841401
? Scopus ID: 2-s2.0-85015442037
? Authors: Corso A.; D'Agostino F.; Gardella D.; Mazzucchelli M.; Silvestro F.
? Keywords: AFE | electric shipboard | ETAP | Simulink | THD
? Source Id: 21101179807
? Author Ids: 57193649338;56553864200;57193644756;15623683200;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Corso A.

73.

? Title: Advanced operational functionalities for a low voltage Microgrid test site
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 17
? Doi: 10.1109/Pesgm.2015.7285953
? Scopus ID: 2-s2.0-84956856922
? Issn: 19449925
? eISSN: 19449933
? Volume: 2015-September
? Authors: Adinolfi F.; D'Agostino F.; Massucco S.; Saviozzi M.; Silvestro F.
? Keywords: DER | DMS | energy management | generation forecast | load forecast |
Microgrid management | storage system
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)
? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)
? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)
? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)
? Source Id: 20600195623
? Author Ids: 55615847600;56553864200;6603357712;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Adinolfi F.

74.

? Title: Smart management of demand in naval application: Prospects and technologies
for distributed control of loads
? Venue: 2015 IEEE Electric Ship Technologies Symposium Ests 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Ests.2015.7157885
? Scopus ID: 2-s2.0-84945950317
? Pages: 181-186
? Authors: D'Agostino F.; Saviozzi M.; Silvestro F.; Fidigatti A.; Ragaini E.
? Keywords: Distributed Control of Loads | Intelligent Load Management | PMS | Smart
Management
? Source Id: 21100421727
? Author Ids: 56553864200;56027556100;23026343700;36699443500;6507406235
? Authoraffiliationids: 60025153;60025153;60025153;60102057;60102057

? Corresponding: D'Agostino F.

75.

? Title: Dynamic modeling of a supply vessel electrical grid for DP3 protection system

? Venue: Electrical Systems for Aircraft Railway and Ship Propulsion Esars

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Essars.2015.7101464

? Scopus ID: 2-s2.0-84946228195

? Issn: 21659400

? eISSN: 21659427

? Volume: 2015-May

? Authors: D'Agostino F.; Silvestro F.; Fidigatti A.; Ragaini E.

? Keywords: DP3 | Dynamic modeling | prime mover | short-circuit calculation | zonal protection

? Source Id: 21100228516

? Author Ids: 56553864200;23026343700;36699443500;6507406235

? Authoraffiliationids: 60025153;60025153;60102057;60102057

? Corresponding: D'Agostino F.

76.

? Title: Pseudo-measurements modeling using neural network and Fourier decomposition for distribution state estimation

? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 24

? DOI: 10.1109/ISGTEurope.2014.7028770

? Scopus ID: 2-s2.0-84936984617

? Volume: 2015-January

? Issue: January

? Authors: Adinolfi F.; D'Agostino F.; Morini A.; Saviozzi M.; Silvestro F.

? Keywords: Distribution Management System | Distribution State Estimation | Load Modeling | Pseudo-Measurements

? Source Id: 21100510299

? Author Ids: 55615847600;56553864200;7006658135;56027556100;23026343700

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

? Corresponding: Adinolfi F.

77.

? Title: Distributed Energy Resources Management in a Low-Voltage Test Facility

? Venue: IEEE Transactions on Industrial Electronics

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 32

? Doi: 10.1109/Tie.2014.2377133

? Scopus ID: 2-s2.0-84924860262

? Issn: 02780046

? Volume: 62

? Issue: 4

? Pages: 2593-2603

? Authors: Adinolfi Francesco; Burt Graeme M.; Crolla Paul; D'Agostino Fabio; Saviozzi Matteo; Silvestro Federico

? Keywords: Demand Response | Distributed Energy Resources Integration | Energy Management | Load Management | Microgrid | Real Power Control | Smart Grid

? Quartile:

2025:

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

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

2015:

? Control and Systems Engineering (Q1, rank 1, percentile 99)

? Electrical and Electronic Engineering (Q1, rank 5, percentile 99)

? Subject (Q1, rank 4, percentile 99)

? Source Id: 26053

? Author Ids: 55615847600;57804705300;6507982140;56553864200;56027556100;23026343700

? Authoraffiliationids: 60025153;60024724;60024724;60025153;60025153;60025153

? Corresponding: Adinolfi F.

78.

? Title: An architecture for implementing state estimation application in Distribution Management System (DMS)

? Venue: 2013 4th IEEE Pes Innovative Smart Grid Technologies Europe Isgt Europe 2013

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 17

? DOI: 10.1109/ISGTEurope.2013.6695289

? Scopus ID: 2-s2.0-84893634807

? Authors: Adinolfi F.; Baccino F.; D'Agostino F.; Massucco S.; Saviozzi M.; Silvestro F.

? Keywords: Active Networks | Distribution Management System | Distribution State Estimation

? Source Id: 21100286341

? Author Ids: 55615847600;55211592900;56553864200;6603357712;56027556100;23026343700

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

? Corresponding: Adinolfi F.