

## SILVESTRO FEDERICO

### Overview

? Unit: ELE  
? Role: Professore ordinario  
? Grade: Prof.Ordinario Legge 240/10 - t.pieno - classe 2  
? SSD: IIND-08/B (Sistemi elettrici per l'energia)  
? Scopus ID: 23026343700  
? Unige Id: 056148  
? Retrieved at: 2025-11-14T15:15:55.408730

### Contact

? Email: federico.silvestro@unige.it  
? Phone: +39 010 33 52723  
? Website: [http://iees.diten.unige.it/?si\\_profile=federico-silvestro](http://iees.diten.unige.it/?si_profile=federico-silvestro)  
? Page: <https://rubrica.unige.it/personale/VUZBWl5h>  
? Locations: Opera Pia - padiglione D (ED161450401), 1° piano, US161450401.I.019

### Career

? Ru, 2012-05-01 ? 2014-07-31  
? Pa, 2014-08-01 ? 2020-10-31  
? Po, 2020-11-01 ? 2222-02-02

### Responsibilities

? Title: Delegato del Rettore  
? Unit: Universit  Degli Studi Di Genova  
? Period: 2025-11-01 ? 2026-10-31  
  
? Title: Vice Direttore di Dipartimento  
? Unit: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN  
? Period: 2024-11-01 ? 2027-10-31  
  
? Title: Membro della Giunta di dipartimento  
? Unit: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN  
? Period: 2024-11-01 ? 2027-10-31

### Teaching

#### 2025

? Impianti Elettrici Navali (66118), L-9 - Ingegneria Navale  
? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale  
? Shipboard Power System Control (101132), L-28 - Maritime Science And Technology  
? Power System Protection And Modeling (118105), Lm-28 - Electrical Engineering For Energy Transition

#### 2024

? Impianti Elettrici Navali (66118), L-9 - Ingegneria Navale  
? Protezione Dei Sistemi Elettrici (56734), Lm-28 - Ingegneria Elettrica  
? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale  
? Le Nuove Tecnologie Ict Per I Trasporti (116300), Stsi Lm - Indirizzo Scienze E Tecnologie Per La Societa' Dell'Informazione  
? Shipboard Power System Control (101132), L-28 - Maritime Science And Technology

2023

- ? Impianti Elettrici Navali (66118), L-9 - Ingegneria Navale
- ? Gestione E Controllo Dei Sistemi Elettrici (56733), Lm-28 - Ingegneria Elettrica
- ? Protezione Dei Sistemi Elettrici (56734), Lm-28 - Ingegneria Elettrica
- ? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale
- ? Sostenibilit  (98152), Formazione Alla Cittadinanza
- ? Hospital Energy Systems (84341), Lm-21 - Bioengineering

2022

- ? Impianti Elettrici Navali (66118), L-9 - Ingegneria Navale
- ? Protezione Dei Sistemi Elettrici (56734), Lm-28 - Ingegneria Elettrica
- ? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale
- ? Le Nuove Tecnologie Nei Trasporti (95153), Stsi Lm - Indirizzo Scienze E Tecnologie Per La Societa' Dell'Informazione
- ? Sostenibilit  (98152), Formazione Alla Cittadinanza
- ? Shipboard Power System Control (101132), L-28 - Maritime Science And Technology

2021

- ? Impianti Elettrici Navali (66118), L-9 - Ingegneria Navale
- ? Protezione Dei Sistemi Elettrici (56734), Lm-28 - Ingegneria Elettrica
- ? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale
- ? Sostenibilit  (98152), Formazione Alla Cittadinanza
- ? Shipboard Power System Control (101132), L-28 - Maritime Science And Technology

2020

- ? Impianti Elettrici Navali (66118), L-9 - Ingegneria Navale
- ? Protezione Dei Sistemi Elettrici (56734), Lm-28 - Ingegneria Elettrica
- ? Propulsione Elettrica Navale (60192), Lm-34 - Ingegneria Navale
- ? Sostenibilit  (98152), Formazione Alla Cittadinanza
- ? Shipboard Power System Control (101132), L-28 - Maritime Science And Technology

#### Scopus Metrics

- ? absolute; Docs: 224; Journals: 54; Conferences: 164; Citations: 2928; H-index: 25
- ? 15 years (2010-2025); Docs: 195; Journals: 50; Conferences: 139; Citations: 2446; H-index: 25
- ? 10 years (2015-2025); Docs: 159; Journals: 43; Conferences: 110; Citations: 1584; H-index: 22
- ? 05 years (2020-2025); Docs: 75; Journals: 17; Conferences: 53; Citations: 462; H-index: 12

#### Scopus Products

1.

- ? 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.

2.  
? 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.

3.  
? 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.

4.  
? Title: An Energy Management System for Green Ports  
? Venue: IEEE International Conference on Automation Science and Engineering  
? Year: 2025

? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Case58245.2025.11163752  
? Scopus ID: 2-s2.0-105018306342  
? Issn: 21618070  
? eISSN: 21618089  
? Pages: 110-115  
? Authors: Casella Virginia; Gallo Marco; Graffione Federico; Robba Michela; Silvestro Federico  
? 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: 57234225200;58202074000;59423757400;7004979187;23026343700  
? Authoraffiliationids: 60121711;60025153;60025153;60121711;60025153  
? Corresponding: Casella V.

5.

? 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.

6.

? Title: Comparison of Virtual Inertia Support in GFM Inverter-Based Resources with Different DC Sources  
? Venue: 2025 International Conference on Clean Electrical Power Iccp 2025  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Iccp65222.2025.11143695  
? Scopus ID: 2-s2.0-105016636749  
? Pages: 293-299  
? Authors: Cardenas M.; Saviozzi M.; Silvestro F.; Conte F.; Gandolfi C.; Rapizza M.  
? Keywords: Grid Forming | Nadir | Rate of Change of Frequency (RoCoF) | Virtual Inertia  
? Source Id: 21101333300  
? Author Ids: 60109695500;56027556100;23026343700;57151673600;36699552800;55806655700  
? Authoraffiliationids: 60025153;60025153;60025153;60005308;60104176;60104176  
? Corresponding: Cardenas M.

7.

? Title: Detailed Small-Signal Stability Analysis of the Cigr<sup>®</sup> High-Voltage Network Penetrated by Grid-Following Inverter-Based Resources  
? Venue: 2025 International Conference on Clean Electrical Power Icccep 2025  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Icccep65222.2025.11143665  
? Scopus ID: 2-s2.0-105016529330  
? Pages: 1115-1121  
? Authors: Conte Francesco; Mancilla-David Fernando; Sagar Amritansh; Li Chendan; Silvestro Federico; Grillo Samuele  
? Keywords: Cigr<sup>®</sup> European HV network | inverter-based resources | small-signal stability | support vector machine  
? Source Id: 21101333300  
? Author Ids: 57151673600;8857271100;57218875600;56158097800;23026343700;24437542800  
? Authoraffiliationids: 60005308;60023256;60005308;60025153;60025153;60023256  
? Corresponding: Conte F.

8.

? Title: Linearization Techniques for Optimizing Pebb-Based DC Power Corridor Using Mixed-Integer Linear Programming  
? Venue: 2025 Aeith Hvdc International Conference Aeith 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.

9.

? Title: A Review of Data-Driven Modal Analysis in Power Systems with Power Electronics Integration  
? Venue: 2025 Aeith Hvdc International Conference Aeith Hvdc 2025  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Aeithvdc66044.2025.11079494  
? Scopus ID: 2-s2.0-105012573757  
? Authors: Li Chendan; Silvestro Federico; Liu Xiufeng; Molinas Marta; Wang Zhijin  
? Keywords: dynamic mode decomposition | Koopman operator | machine learning | oscillation detection | power electronics | power system stability  
? Source Id: 21101318126  
? Author Ids: 56158097800;23026343700;36701583900;55604543200;56494366900  
? Authoraffiliationids: 60025153;60025153;60011373;60013141;60014475  
? Corresponding: Li C.

10.

? Title: Optimization Model for Demand Flexibility Based on a Non-Intrusive Load

## Disaggregation Tool

? Venue: IEEE Transactions on Industry Applications

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? Doi: 10.1109/Tia.2025.3590337

? Scopus ID: 2-s2.0-105012459456

? Issn: 00939994

? eISSN: 19399367

? Authors: Baglietto Giovanni; Massucco Stefano; Silvestro Federico; Vinci Andrea; Conte Francesco

? Keywords: Clustering algorithm | demand side management | energy communities | load disaggregation | non-intrusive load monitoring | optimization | smart metering

? Quartile:

2025:

? Control and Systems Engineering (Q1, rank 38, percentile 90)

? Electrical and Electronic Engineering (Q1, rank 102, percentile 89)

? Industrial and Manufacturing Engineering (Q1, rank 49, percentile 88)

? Source Id: 17361

? Author Ids: 57961299000;6603357712;23026343700;57191195028;57151673600

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

? Corresponding: Baglietto G.

11.

? 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;65

08183852;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.

12.

? Title: From microgrids to virtual power plants: A cybersecurity perspective  
? Venue: Iot Enabled Dc Microgrids Architecture Algorithms Applications and Technologies

? Year: 2024

? Type: Book

? Subtype: Book Chapter

? Citations: 1

? Scopus ID: 2-s2.0-85206234694

? Pages: 103-120

? Authors: Gaggero Giovanni; Piser^ Diego; Girdinio Paola; Silvestro Federico; Marchese Mario

? Source Id: 21101253473

? Author Ids: 57216708944;57226694852;7003430835;23026343700;7004398165

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

? Corresponding: Gaggero G.

13.

? Title: Experimental Validation of Electrothermal and Aging Parameter Identification for Lithium-Ion Batteries

? Venue: Energies

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 1

? DOI: 10.3390/en17102269

? Scopus ID: 2-s2.0-85194402635

? eISSN: 19961073

? Volume: 17

? Issue: 10

? Authors: Conte Francesco; Giallongo Marco; Kaza Daniele; Natrella Gianluca; Tachibana Ryohei; Tsuji Shinji; Silvestro Federico; Vichi Giovanni

? Keywords: Li-ion battery degradation | parameter identification | performance and lifetime prediction | semi-empirical model

? Quartile:

2025:

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

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

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

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

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

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

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

2024:

? Control and Optimization (Q1, rank 15, percentile 90)

? Engineering (miscellaneous) (Q1, rank 39, percentile 85)

? Electrical and Electronic Engineering (Q1, rank 173, percentile 82)

? Energy Engineering and Power Technology (Q1, rank 73, percentile 75)

? Fuel Technology (Q2, rank 38, percentile 71)  
? Energy (miscellaneous) (Q2, rank 32, percentile 68)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 105, percentile 64)  
? Source Id: 62932  
? Author Ids: 57151673600;57854283800;57218924925;57638571300;59147313600;59146680100;23026343700;57210078993  
? Authoraffiliationids:  
60005308;118019107;60025153;60025153;126155770;126155770;60025153;118019107  
? Corresponding: Conte F.

14.

? 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.

15.

? 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.

16.

? 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.

17.

? 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.

18.

? 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.

19.

? Title: Impact of the Connection of a 100 MW Proton Exchange Membrane Electrolyzer on Rotor Angle Transient Stability  
? 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/ICPSEurope61470.2024.10751002  
? Scopus ID: 2-s2.0-85211940332  
? Authors: Pendola Francesco; Ndiwulu Guy Wanlongo; Kluyskens Virginie; De Jaeger Emmanuel; Silvestro Federico  
? Keywords: Electrolyzer | Power Systems | Rotor angle stability | Transient Stability  
? Source Id: 21101263912  
? Author Ids: 59470677700;57200149162;16679214000;9743257100;23026343700  
? Authoraffiliationids: 60025153;60000874-60072820;60000874;60000874;60025153  
? Corresponding: Pendola F.

20.

? 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.

21.

? 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.

22.

? 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.

23.

? Title: Day-Ahead Programming of Energy Communities Participating in Pay-as-Bid Service Markets

? Venue: IEEE Power and Energy Society General Meeting

? Year: 2024

? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Pesgm51994.2024.10688872  
? Scopus ID: 2-s2.0-85207428013  
? Issn: 19449925  
? eISSN: 19449933  
? Authors: Conte F.; Massucco S.; Natrella G.; Saviozzi M.; Silvestro F.  
? Keywords: day-ahead programming | Renewable Energy Community | scenario-based optimization | service market  
? 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: 57151673600;6603357712;57638571300;56027556100;23026343700  
? Authoraffiliationids: 60005308;60025153;60025153;60025153;60025153  
? Corresponding: Conte F.

24.

? 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.

25.

? Title: Electrical consumption forecasting in sports venues: A proposed approach based on neural networks and ARIMAX Models  
? Venue: Sustainable Cities and Society  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 19  
? DOI: 10.1016/j.scs.2023.105019  
? Scopus ID: 2-s2.0-85175150487

? Issn: 22106707  
? Volume: 100  
? Authors: Almaleck Pablo; Massucco Stefano; Mosaico Gabriele; Saviozzi Matteo; Serra Pietro; Silvestro Federico  
? Keywords: ARIMAX models | Artificial neural network | Electrical consumption forecasting | Football arena | Load forecasting | Sports venue  
? Quartile:  
2025:  
? Civil and Structural Engineering (Q1, rank 1, percentile 99)  
? Geography, Planning and Development (Q1, rank 4, percentile 99)  
? Transportation (Q1, rank 5, percentile 97)  
? Renewable Energy, Sustainability and the Environment (Q1, rank 19, percentile 94)  
2024:  
? Civil and Structural Engineering (Q1, rank 1, percentile 99)  
? Geography, Planning and Development (Q1, rank 3, percentile 99)  
? Transportation (Q1, rank 4, percentile 97)  
? Renewable Energy, Sustainability and the Environment (Q1, rank 16, percentile 94)  
? Source Id: 19700194105  
? Author Ids: 57211999394;6603357712;57208723957;56027556100;8246669600;23026343700  
? Authoraffiliationids: 130383566;60025153;60025153;60025153;130383566;60025153  
? Corresponding: Almaleck P.

26.

? 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; Zacccone 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.

27.

? Title: Fast Frequency Regulation From a Wind Farm-BESS Unit by Model Predictive Control: Method and Hardware-in-the-Loop Validation  
 ? Venue: IEEE Transactions on Sustainable Energy  
 ? Year: 2023  
 ? Type: Journal  
 ? Subtype: Article  
 ? Citations: 20  
 ? Doi: 10.1109/Tste.2023.3265187  
 ? Scopus ID: 2-s2.0-85153388861  
 ? Issn: 19493029  
 ? eISSN: 19493037  
 ? Volume: 14  
 ? Issue: 4  
 ? Pages: 2049-2061  
 ? Authors: Cirio Diego; Conte Francesco; Gabriele Bruno; Gandolfi Chiara; Massucco Stefano; Rapizza Marco R.; Silvestro Federico  
 ? Keywords: battery energy storage systems | Fast frequency regulation | hardware-in-the-loop simulations | model predictive control | wind turbines  
 ? Quartile:  
 2025:  
 ? Renewable Energy, Sustainability and the Environment (Q1, rank 20, percentile 93)  
 2023:  
 ? Renewable Energy, Sustainability and the Environment (Q1, rank 14, percentile 95)  
 ? Source Id: 19700177027  
 ? Author Ids:  
 6504625684;57151673600;57219805070;36699552800;6603357712;55806655700;23026343700  
 ? Authoraffiliationids: 60104176;60005308;60025153;60104176;60025153;60104176;60025153  
 ? Corresponding: Cirio D.

28.

? 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.

29.

? 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.

30.

? 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.

31.

? 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.

32.

? Title: Freeware Digital Platform for Designing Renewable Energy Communities in Italy:  
An Overview

? Venue: 2023 115th Aeit International Annual Conference Aeit 2023

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.23919/Aeit60520.2023.10330372

? Scopus ID: 2-s2.0-85180408706

? Authors: Pisera Diego; Ferrucci Tommaso; Fioriti Davide; Poli Davide; Silvestro

Federico

? Keywords: digital platform | energy model | Renewable Energy Communities (REC) |  
sizing

? Source Id: 21101194035

? Author Ids: 57226694852;58547000400;57035209000;23091907600;23026343700

? Authoraffiliationids: 125693204;60028868;60028868;60028868;60025153

? Corresponding: Pisera D.

33.

? Title: Demand Response by Aggregates of Domestic Water Heaters with Adaptive Model  
Predictive Control

? Venue: IEEE Power and Energy Society General Meeting

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Pesgm52003.2023.10252833

? Scopus ID: 2-s2.0-85174728724

? Issn: 19449925

? eISSN: 19449933

? Volume: 2023-July

? Authors: Conte Francesco; Massucco Stefano; Silvestro Federico; Cirio Diego; Rapizza

Marco

? Keywords: adaptive control | Demand response | electric water heaters | load  
aggregates | 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;6603357712;23026343700;6504625684;55806655700  
? Authoraffiliationids: 60005308;60025153;60025153;60104176;60104176  
? Corresponding: Conte F.

34.

? 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.; Conte 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.

35.

? Title: Distribution Network Topology Identification by PMU-based State Estimation  
? Venue: 2023 International Conference on Clean Electrical Power Icccep 2023  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Icccep57914.2023.10247365  
? 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.

36.

? 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.

37.

? 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.

38.

? 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.

39.

? Title: Optimal Coordination and Discount Allocation in Residential Renewable Energy Communities with Smart Home Appliances  
? Venue: 2023 IEEE Belgrade Powertech Powertech 2023  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? DOI: 10.1109/PowerTech55446.2023.10202822

? Scopus ID: 2-s2.0-85169417523  
? Authors: Conte F.; Silvestro F.; Vinci A.; Di Fazio A. R.  
? Keywords: Model Predictive Control | Renewable Energy Communities | Smart Homes  
? Source Id: 21101175266  
? Author Ids: 57151673600;23026343700;57191195028;24437779200  
? Authoraffiliationids: 60005308;60025153;60025153;60001711  
? Corresponding: Conte F.

40.

? Title: Analysis of the energy matrix decarbonization in the operation of the large mining power distribution systems: The Chilean case  
? Venue: Proceedings 2023 IEEE International Conference on Environment and Electrical Engineering and 2023 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2023  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? DOI: 10.1109/EEEIC/ICPSEurope57605.2023.10194614  
? Scopus ID: 2-s2.0-85168684414  
? Authors: Pessino Francesca; Moran Luis; Espinoza Jose; Araneda Juan Carlos; Silvestro Federico; Vaccaro Luis  
? Keywords: harmonic mitigation | Renewable integration | Short-circuit power  
? Source Id: 21101173009  
? Author Ids: 58547377400;57189078954;35599816000;24779492400;23026343700;21935399500  
? Authoraffiliationids: 60025153;60001282;60001282;122086385;60025153;60025153  
? Corresponding: Pessino F.

41.

? Title: A Non-Intrusive Load Disaggregation Tool based on Smart Meter Data for Residential Buildings  
? Venue: Proceedings 2023 IEEE International Conference on Environment and Electrical Engineering and 2023 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2023  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? DOI: 10.1109/EEEIC/ICPSEurope57605.2023.10194690  
? Scopus ID: 2-s2.0-85163855441  
? Authors: Baglietto Giovanni; Massucco Stefano; Silvestro Federico; Vinci Andrea; Conte Francesco  
? Keywords: clustering algorithm | load disaggregation | Non-Intrusive Load Monitoring | smart metering  
? Source Id: 21101173009  
? Author Ids: 57961299000;6603357712;23026343700;57191195028;57151673600  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60005308  
? Corresponding: Baglietto G.

42.

? 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.

43.

? 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.

44.

? Title: Novel Cybersecurity Issues in Smart Energy Communities  
? Venue: 1st International Conference in Advanced Innovation on Smart City Icaisc 2023 Proceedings  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 13  
? Doi: 10.1109/Icaisc56366.2023.10085312  
? Scopus ID: 2-s2.0-85153051667  
? Authors: Gaggero Giovanni Battista; Piserˆ Diego; Girdinio Paola; Silvestro Federico; Marchese Mario  
? Keywords: Cybersecurity | Energy Community | Smart Grid  
? Source Id: 21101147411  
? Author Ids: 57216708944;57226694852;7003430835;23026343700;7004398165  
? Authoraffiliationids: 60025153;60025153-126318742;60025153;60025153;60025153  
? Corresponding: Gaggero G.B.

45.

? 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.

46.  
? 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;660  
3357712;7801615894;56027556100;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;  
60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

47.  
? Title: Techno-Economic Dispatch Analysis Of A Case Study Consisting Of Micro Gas  
Turbines Using Real-Time Data  
? Venue: Proceedings of the ASME Turbo Expo  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1115/Gt2022-83437  
? Scopus ID: 2-s2.0-85141711994  
? Volume: 5  
? Authors: Uslu Hasan Huseyin; Vinci Andrea; Saviozzi Matteo; Mosaico Gabriele; Assadi

Mohsen; Silvestro Federico; Somehsaraei Homam Nikpey

? Keywords: combined heat and power | economic dispatch | electricity market | hydrogen  
| micro gas turbine

? Source Id: 21100877658

? Author Ids:

57960219500;57191195028;56027556100;57208723957;7003594790;23026343700;55364882500

? Authoraffiliationids: 60014497;60335519;60025153;60025153;60014497;60025153;60014497

? Corresponding: Uslu H.H.

48.

? 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.

49.

? 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.

50.

? 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.

51.

? 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 converters | 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.

52.

? 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.

53.

? Title: Performance analysis of frequency regulation services provided by aggregates of domestic thermostatically controlled loads  
? Venue: International Journal of Electrical Power and Energy Systems  
? Year: 2021  
? Type: Journal  
? Subtype: Article  
? Citations: 22  
? DOI: 10.1016/j.ijepes.2021.107050  
? Scopus ID: 2-s2.0-85104580716  
? Issn: 01420615  
? Volume: 131  
? Authors: Conte F.; Crosa di Vergagni M.; Massucco S.; Silvestro F.; Ciapessoni E.; Cirio D.  
? Keywords: Demand side response | Frequency regulation | Synthetic inertia | Thermostatically controlled loads  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 57, percentile 94)  
? Energy Engineering and Power Technology (Q1, rank 25, percentile 92)  
2021:  
? Electrical and Electronic Engineering (Q1, rank 69, percentile 90)  
? Energy Engineering and Power Technology (Q1, rank 25, percentile 89)  
? Source Id: 17985  
? Author Ids: 57151673600;56943365800;6603357712;23026343700;6505804291;6504625684  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176  
? Corresponding: Conte F.

54.

? Title: Optimal Positioning of PMUs for Fault Detection and Localization in Active Distribution Networks  
? Venue: 2021 IEEE Madrid Powertech Powertech 2021 Conference Proceedings  
? Year: 2021  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? DOI: 10.1109/PowerTech46648.2021.9494871  
? Scopus ID: 2-s2.0-85112395298  
? Authors: Conte F.; Gabriele B.; Schiapparelli G. P.; Silvestro F.; Bossi C.; Cabiati M.  
? Keywords: Active Distribution Networks | Fault Detection and Localization | Phasor Measurement Units | State Estimation  
? Source Id: 21101055700  
? Author Ids: 57151673600;57219805070;57204003255;23026343700;20336947400;57201311192  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176



- ? Corresponding: Conte F.
- 55.
- ? Title: A method for optimal integration of energy storage in distribution networks: A business case
- ? Venue: 2021 IEEE Madrid Powertech Powertech 2021 Conference Proceedings
- ? Year: 2021
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? DOI: 10.1109/PowerTech46648.2021.9494973
- ? Scopus ID: 2-s2.0-85112371468
- ? Authors: Pisera Diego; Silvestro Federico; Joel Soares Filipe
- ? Keywords: DER | ESS | EV | grid planning
- ? Source Id: 21101055700
- ? Author Ids: 57226694852;23026343700;57226696414
- ? Authoraffiliationids: 60025153;60025153;60020432
- ? Corresponding: Pisera D.
- 56.
- ? Title: Flexibility Evaluation of Domestic Electric Water Heater Aggregates
- ? Venue: 2021 IEEE Madrid Powertech Powertech 2021 Conference Proceedings
- ? Year: 2021
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 6
- ? DOI: 10.1109/PowerTech46648.2021.9494972
- ? Scopus ID: 2-s2.0-85112351708
- ? Authors: Conte F.; Gabriele B.; Massucco S.; Silvestro F.; Cirio D.; Croci L.
- ? Keywords: Demand Side Response | Electric Water Heater | Load Aggregates | Load Flexibility
- ? Source Id: 21101055700
- ? Author Ids: 57151673600;57219805070;6603357712;23026343700;6504625684;55575844700
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176
- ? Corresponding: Conte F.
- 57.
- ? Title: Virtus project: A scalable aggregation platform for the intelligent virtual management of distributed energy resources
- ? Venue: Energies
- ? Year: 2021
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 9
- ? DOI: 10.3390/en14123663
- ? Scopus ID: 2-s2.0-85109039322
- ? eISSN: 19961073
- ? Volume: 14
- ? Issue: 12
- ? Authors: Bianchi Stefano; De Filippo Allegra; Magnani Sandro; Mosaico Gabriele; Silvestro Federico
- ? Keywords: Aggregator | Ancillary markets | Balancing markets | Market simulation | Optimal DER management | Scalability
- ? 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)

2021:

? Control and Optimization (Q1, rank 18, percentile 85)  
? Engineering (miscellaneous) (Q1, rank 19, percentile 83)  
? Subject (Q1, rank 51, percentile 76)  
? Energy (miscellaneous) (Q2, rank 10, percentile 72)  
? Electrical and Electronic Engineering (Q2, rank 201, percentile 71)  
? Energy Engineering and Power Technology (Q2, rank 73, percentile 69)  
? Fuel Technology (Q2, rank 38, percentile 65)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 58)

? Source Id: 62932

? Author Ids: 57221648064;57190257517;54793161600;57208723957;23026343700

? Authoraffiliationids: 125499581;60028218;126504369;60025153;60025153

? Corresponding: Bianchi S.

58.

? 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.

59.

? Title: Electrical consumption forecasting in hospital facilities

? Venue: Machine Learning and Data Science in the Power Generation Industry Best  
Practices Tools and Case Studies

? Year: 2021

? Type: Book  
? Subtype: Book Chapter  
? Citations: 1  
? Doi: 10.1016/B978-0-12-819742-4.00009-3  
? Scopus ID: 2-s2.0-85126794555  
? Pages: 195-211  
? Authors: Bagnasco A.; Fresi F.; Saviozzi M.; Silvestro F.; Vinci A.  
? Keywords: Building management systems | Electrical consumption in an hospital facility | Energy management systems | Load forecasting | Neural networks  
? Source Id: 21101081837  
? Author Ids: 6602504190;56730407300;56027556100;23026343700;57191195028  
? Authoraffiliationids: 60025153-127870515;126999213;60025153;60025153;127870515  
? Corresponding: Bagnasco A.

60.

? 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.

61.

? Title: Domestic Heat-Pump Water Heater Aggregates: A Contribution to Demand Flexibility  
? Venue: 2021 Aeit International Annual Conference Aeit 2021  
? Year: 2021  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.23919/Aeit53387.2021.9626995  
? Scopus ID: 2-s2.0-85123403518  
? Authors: Conte Francesco; Gabriele Bruno; Massucco Stefano; Silvestro Federico; Cirio Diego; Croci Lorenzo  
? Keywords: Demand Side Response | Heat Pumps | Load Aggregators | Load Flexibility  
? Source Id: 21101073812  
? Author Ids: 57151673600;57219805070;6603357712;23026343700;6504625684;55575844700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153

- ? Corresponding: Conte F.
- 62.
- ? 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.
- 63.
- ? Title: Siting and Sizing of Energy Storage Systems: Towards a Unified Approach for Transmission and Distribution System Operators for Reserve Provision and Grid Support
- ? Venue: Electric Power Systems Research
- ? Year: 2021
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 24
- ? DOI: 10.1016/j.epsr.2020.106660
- ? Scopus ID: 2-s2.0-85089224873
- ? Issn: 03787796
- ? Volume: 190
- ? Authors: Massucco Stefano; Pongiglione Paola; Silvestro Federico; Paolone Mario; Sossan Fabrizio
- ? Keywords: DSOs | Energy storage | siting | sizing | TSO
- ? Quartile:
- 2025:
- ? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)
- ? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)
- 2021:
- ? Electrical and Electronic Engineering (Q1, rank 128, percentile 81)
- ? Energy Engineering and Power Technology (Q1, rank 48, percentile 79)
- ? Source Id: 16044
- ? Author Ids: 6603357712;57195506239;23026343700;6602935459;36915836500
- ? Authoraffiliationids: 60025153;60025153;60025153;60028186;60030506
- ? Corresponding: Massucco S.
- 64.
- ? Title: A quasi-optimal energy resources management technique for low voltage

microgrids

? Venue: International Journal of Electrical Power and Energy Systems

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 2

? DOI: 10.1016/j.ijepes.2020.106080

? Scopus ID: 2-s2.0-85083362160

? Issn: 01420615

? Volume: 121

? Authors: Crosa di Vergagni M.; Massucco S.; Saviozzi M.; Silvestro F.; Monachesi F.; Ragaini E.

? Keywords: Demand response | Distributed energy resources | Energy resources management | Flexibility provision | Frequency control | Microgrid | Microgrid optimization

? Quartile:

2025:

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

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

2020:

? Electrical and Electronic Engineering (Q1, rank 91, percentile 86)

? Energy Engineering and Power Technology (Q1, rank 33, percentile 85)

? Source Id: 17985

? Author Ids: 56943365800;6603357712;56027556100;23026343700;56028076900;6507406235

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

? Corresponding: Crosa di Vergagni M.

65.

? 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.

66.

? Title: A Markov Chain Load Modeling Approach through a Stream Clustering Algorithm

? Venue: 12th Aeit International Annual Conference Aeit 2020

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.23919/Aeit50178.2020.9241159

? Scopus ID: 2-s2.0-85097165502

? Authors: Massucco Stefano; Mosaico Gabriele; Saviozzi Matteo; Silvestro Federico;

Fidigatti Antonio; Ragaini Enrico

? Keywords: Load Modeling | Load Profiling | Markov Chains | Streaming Algorithm

? Source Id: 21101029719

? Author Ids: 6603357712;57208723957;56027556100;23026343700;36699443500;6507406235

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

? Corresponding: Massucco S.

67.

? Title: Frequency Fluctuations in Marine Microgrids: Origins and Identification Tools

? Venue: IEEE Electrification Magazine

? Year: 2020

? Type: Trade Journal

? Subtype: Article

? Citations: 10

? Doi: 10.1109/Mele.2020.3005698

? Scopus ID: 2-s2.0-85091519956

? Issn: 23255897

? eISSN: 23255889

? Volume: 8

? Issue: 3

? Pages: 40-46

? Authors: Tarasiuk Tomasz; Zunino Yuri; Bueno-Lopez Maximiliano; Silvestro Federico;

Pilatis Andrzej; Molinas Marta

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 253, percentile 74)

? Energy Engineering and Power Technology (Q2, rank 95, percentile 71)

2020:

? Electrical and Electronic Engineering (Q1, rank 165, percentile 76)

? Energy Engineering and Power Technology (Q1, rank 55, percentile 75)

? Source Id: 21100374317

? Author Ids: 6602512571;57219163986;57209179810;23026343700;57219163453;55604543200

? Authoraffiliationids: 60033057;60025153;60051434;60025153;60033057;60013141

? Corresponding: Tarasiuk T.

68.

? 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 ISES 2020

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/ises45645.2020.9210693

? 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.

69.

? Title: Frequency stability assessment of modern power systems: Models definition and parameters identification

? Venue: Sustainable Energy Grids and Networks  
? Year: 2020  
? Type: Journal  
? Subtype: Article  
? Citations: 27  
? DOI: 10.1016/j.segan.2020.100384  
? Scopus ID: 2-s2.0-85090145698  
? eISSN: 23524677  
? Volume: 23  
? Authors: Conte Francesco; Massucco Stefano; Paolone Mario; Schiapparelli Giacomo Piero; Silvestro Federico; Zuo Yihui  
? Keywords: Frequency stability | Grid-supporting converters | IEEE 39 bus | Parameter identification | Primary frequency control  
? 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)  
2020:  
? Electrical and Electronic Engineering (Q1, rank 143, percentile 79)  
? Energy Engineering and Power Technology (Q1, rank 47, percentile 79)  
? Control and Systems Engineering (Q1, rank 60, percentile 77)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 59, percentile 70)  
? Source Id: 21100371258  
? Author Ids: 57151673600;6603357712;6602935459;57204003255;23026343700;57205483768  
? Authoraffiliationids: 60025153;60025153;60028186;60025153;60025153;60028186  
? Corresponding: Conte F.

70.

? Title: Probabilistic planning for distribution networks including optimal der regulation and storage allocation  
? Venue: IEEE Power and Energy Society General Meeting  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Pesgm41954.2020.9281710  
? Scopus ID: 2-s2.0-85099129474  
? Issn: 19449925  
? eISSN: 19449933  
? Volume: 2020-August  
? Authors: Massucco S.; Mosaico G.; Pongiglione P.; Saviozzi M.; Silvestro F.  
? Keywords: Distribution Systems | Probabilistic Planning | Storage Allocation | VoltNar optimization  
? 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: 6603357712;57208723957;57195506239;56027556100;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Massucco S.

71.

? Title: An Instantaneous Growing Stream Clustering Algorithm for Probabilistic Load Modeling/Profiling  
? Venue: 2020 International Conference on Probabilistic Methods Applied to Power Systems Pmaps 2020 Proceedings  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Pmaps47429.2020.9183448  
? Scopus ID: 2-s2.0-85091339116  
? Authors: Massucco Stefano; Mosaico Gabriele; Saviozzi Matteo; Silvestro Federico; Fidigatti Antonio; Ragaini Enrico  
? Keywords: Clustering | Load Modeling | Load Profiling | Markov Chains | Streaming Algorithm  
? Source Id: 21101021844  
? Author Ids: 6603357712;57208723957;56027556100;23026343700;36699443500;6507406235  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057;60102057  
? Corresponding: Massucco S.

72.

? 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.

73.

? Title: Day-ahead and intra-day planning of integrated BESS-PV systems providing frequency regulation  
? Venue: IEEE Transactions on Sustainable Energy  
? Year: 2020  
? Type: Journal  
? Subtype: Article  
? Citations: 85  
? Doi: 10.1109/Tste.2019.2941369  
? Scopus ID: 2-s2.0-85087273094  
? Issn: 19493029  
? eISSN: 19493037  
? Volume: 11  
? Issue: 3  
? Pages: 1797-1806  
? Authors: Conte Francesco; Massucco Stefano; Schiapparelli Giacomo Piero; Silvestro Federico  
? Keywords: Battery energy storage systems | Photovoltaic systems | Predictive control | Primary control reserve | Primary frequency regulation  
? Quartile:  
2025:  
? Renewable Energy, Sustainability and the Environment (Q1, rank 20, percentile 93)  
2020:  
? Renewable Energy, Sustainability and the Environment (Q1, rank 13, percentile 93)  
? Source Id: 19700177027  
? Author Ids: 57151673600;6603357712;57204003255;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Conte F.

74.

? 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.

75.

? 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.

76.

? 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.

77.

? 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.

78.

? Title: Conventional Power Plants to TSO Frequency Containment Reserves - A Competitive Analysis for Virtual Power Plant's Role  
? Venue: 5th International Forum on Research and Technologies for Society and Industry Innovation to Shape the Future Rtsi 2019 Proceedings  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 9  
? Doi: 10.1109/Rtsi.2019.8895540  
? Scopus ID: 2-s2.0-85075638991  
? Pages: 6-11  
? Authors: Ali Jibran; Silvestro Federico  
? Keywords: Frequency regulation | power plants | storage system | TSO | VPP  
? Source Id: 21100936629  
? Author Ids: 57203210219;23026343700  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Ali J.

79.

? Title: Simplified State Space Building Energy Model and Transfer Learning Based Occupancy Estimation for HVAC Optimal Control  
? Venue: 5th International Forum on Research and Technologies for Society and Industry Innovation to Shape the Future Rtsi 2019 Proceedings  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 14  
? Doi: 10.1109/Rtsi.2019.8895544  
? Scopus ID: 2-s2.0-85075638802  
? Pages: 353-358  
? Authors: Mosaico Gabriele; Saviozzi Matteo; Silvestro Federico; Bagnasco Andrea; Vinci Andrea  
? Keywords: building energy model | deep learning | HVAC supervisory control | occupancy estimation | transfer learning  
? Source Id: 21100936629  
? Author Ids: 57208723957;56027556100;23026343700;6602504190;57191195028  
? Authoraffiliationids: 60025153;60025153;60025153;119528398;119528398  
? Corresponding: Mosaico G.

80.

? Title: Algorithm for Optimal Microgrid Operation and Control with Adaptable Constraints and Flexible Objective Function  
? Venue: 5th International Forum on Research and Technologies for Society and Industry Innovation to Shape the Future Rtsi 2019 Proceedings  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Rtsi.2019.8895588  
? Scopus ID: 2-s2.0-85075634330

? Pages: 97-102  
? Authors: Massucco S.; Pongiglione P.; Saviozzi M.; Silvestro F.; Almaleck P.; Serra P.  
? Keywords: AMPL | economic dispatch | microgrid optimization | MILP | real time control | unit commitment  
? Source Id: 21100936629  
? Author Ids: 6603357712;57195506239;56027556100;23026343700;57211999394;8246669600  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057;60102057  
? Corresponding: Massucco S.

81.

? 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.

82.

? 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.

83.

? Title: Modeling of harmonic propagation of fast DC EV charging station in a Low Voltage network

? Venue: 2019 IEEE Milan Powertech Powertech 2019  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 16  
? Doi: 10.1109/Ptc.2019.8810969  
? Scopus ID: 2-s2.0-85072322824  
? Authors: Cassano S.; Silvestro F.; Jaeger E. De; Leroi C.  
? Keywords: EV charging station | Harmonic emission | Storage modeling | Supraharmonics  
? Source Id: 21100929352  
? Author Ids: 57211028410;23026343700;9743257100;57202051444  
? Authoraffiliationids: 60025153;60025153;60000874;60025153  
? Corresponding: Cassano S.

84.

? Title: Frequency regulation services by a BESS-generator system using predictive control  
? Venue: 2019 IEEE Milan Powertech Powertech 2019  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Ptc.2019.8810432  
? Scopus ID: 2-s2.0-85072312706  
? Authors: Conte F.; Massucco S.; Schiapparelli G. P.; Silvestro F.  
? Keywords: Battery energy storage systems | Predictive control | Primary frequency regulation  
? Source Id: 21100929352  
? Author Ids: 57151673600;6603357712;57204003255;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Conte F.

85.

? Title: Synthetic Inertia and Primary Frequency Regulation Services by Domestic Thermal Loads  
? Venue: Proceedings 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2019  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 7  
? Doi: 10.1109/Eeeic.2019.8783679  
? Scopus ID: 2-s2.0-85070795247  
? Authors: Conte F.; Di Vergagni M. Crosa; Massucco S.; Silvestro F.; Ciapessoni E.; Cirio D.  
? Keywords: Demand Side Response | Frequency regulation | synthetic inertia | thermal loads  
? Source Id: 21100924363  
? Author Ids: 57151673600;57201876023;6603357712;23026343700;6505804291;6504625684  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176  
? Corresponding: Conte F.

86.

? Title: Optimal Sizing of Energy Storage Systems for Shipboard Applications  
? Venue: IEEE Transactions on Energy Conversion  
? Year: 2019

? Type: Journal  
? Subtype: Article  
? Citations: 85  
? Doi: 10.1109/Tec.2018.2882147  
? Scopus ID: 2-s2.0-85056712952  
? Issn: 08858969  
? Volume: 34  
? Issue: 2  
? Pages: 801-811  
? Authors: Boveri Alessandro; Silvestro Federico; Molinas Marta; Skjong Espen  
? Keywords: battery energy storage systems | energy management systems | Energy storage systems | optimal size | shipboard power systems  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 62, percentile 93)  
? Energy Engineering and Power Technology (Q1, rank 30, percentile 90)  
2019:  
? Energy Engineering and Power Technology (Q1, rank 13, percentile 94)  
? Electrical and Electronic Engineering (Q1, rank 55, percentile 91)  
? Source Id: 28824  
? Author Ids: 57189898597;23026343700;55604543200;56733081300  
? Authoraffiliationids: 60025153;60025153;60013141;121339070  
? Corresponding: Boveri A.

87.

? 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.

88.

? 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.

89.

? Title: Implementation of advanced functionalities for Distribution Management Systems: Load forecasting and modeling through Artificial Neural Networks ensembles  
? Venue: Electric Power Systems Research  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 69  
? DOI: 10.1016/j.epsr.2018.10.036  
? Scopus ID: 2-s2.0-85056625184  
? Issn: 03787796  
? Volume: 167  
? Pages: 230-239  
? Authors: Saviozzi M.; Massucco S.; Silvestro F.  
? Keywords: Artificial Neural Networks | Distribution Management System | Load forecasting | Load 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: 56027556100;6603357712;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Saviozzi M.

90.

? Title: A hybrid technique for day-ahead pv generation forecasting using clear-sky models or ensemble of artificial neural networks according to a decision tree approach  
? Venue: Energies  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 39  
? DOI: 10.3390/en12071298  
? Scopus ID: 2-s2.0-85083347052  
? eISSN: 19961073  
? Volume: 12  
? Issue: 7  
? Authors: Massucco Stefano; Mosaico Gabriele; Saviozzi Matteo; Silvestro Federico

? Keywords: Artificial neural networks | Basic ensemble method | CART tree | Clear-sky model | Decision trees | Hybrid method | PV forecasting | Weather classification | Weather type partition

? Quartile:

2025:

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

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

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

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

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

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

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

2019:

? Control and Optimization (Q1, rank 19, percentile 81)

? Energy Engineering and Power Technology (Q2, rank 62, percentile 71)

? Electrical and Electronic Engineering (Q2, rank 208, percentile 69)

? Fuel Technology (Q2, rank 33, percentile 66)

? Energy (miscellaneous) (Q2, rank 9, percentile 63)

? Renewable Energy, Sustainability and the Environment (Q2, rank 72, percentile 60)

? Source Id: 62932

? Author Ids: 6603357712;57208723957;56027556100;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Massucco S.

91.

? Title: Shipboard distributed energy resources: Motivations, challenges and possible solutions in the cruise ship arena

? Venue: International Shipbuilding Progress

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 8

? Doi: 10.3233/lsp-180259

? Scopus ID: 2-s2.0-85067060663

? Issn: 0020868x

? eISSN: 15662829

? Volume: 66

? Issue: 2

? Pages: 181-199

? Authors: Boveri Alessandro; Di Mare Giovanni Alberto; Rattazzi Diego; Gualeni Paola; Magistri Loredana; Silvestro Federico

? Keywords: Cruise ship | distributed energy resources | fuel cells | innovative energy generation | LNG | microgas turbines | shipboard power systems

? Quartile:

2025:

? Ocean Engineering (Q3, rank 72, percentile 38)

? Mechanical Engineering (Q3, rank 456, percentile 38)

2019:

? Ocean Engineering (Q3, rank 60, percentile 34)

? Mechanical Engineering (Q3, rank 411, percentile 29)

? Source Id: 25630

? Author Ids: 57189898597;57209258704;57204722102;15057843300;6603587580;23026343700

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

? Corresponding: Boveri A.

92.



? Title: Aggregation strategy for reactive power compensation techniques-validation  
? Venue: Energies  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 1  
? DOI: 10.3390/en12112047  
? Scopus ID: 2-s2.0-85066754159  
? eISSN: 19961073  
? Volume: 12  
? Issue: 11  
? Authors: Ali Jibran; Massucco Stefano; Silvestro Federico  
? Keywords: Ancillary services | DIgSILENT | Power system | Reactive power | Transmission system operator (TSO) | Voltage profiling  
? Quartile:  
2025:  
? Control and Optimization (Q1, rank 11, percentile 94)  
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)  
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)  
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)  
? Fuel Technology (Q2, rank 40, percentile 70)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)  
? Energy (miscellaneous) (Q2, rank 39, percentile 64)  
2019:  
? Control and Optimization (Q1, rank 19, percentile 81)  
? Energy Engineering and Power Technology (Q2, rank 62, percentile 71)  
? Electrical and Electronic Engineering (Q2, rank 208, percentile 69)  
? Fuel Technology (Q2, rank 33, percentile 66)  
? Energy (miscellaneous) (Q2, rank 9, percentile 63)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 72, percentile 60)  
? Source Id: 62932  
? Author Ids: 57203210219;6603357712;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Ali J.

93.

? Title: Distribution level aggregator platform for DSO support-integration of storage, demand response, and renewables  
? Venue: Frontiers in Energy Research  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 6  
? DOI: 10.3389/fenrg.2019.00036  
? Scopus ID: 2-s2.0-85064687425  
? eISSN: 2296598X  
? Volume: 7  
? Issue: APR  
? Authors: Ali Jibran; Massucco Stefano; Silvestro Federico  
? Keywords: Aggregators | Demand response | ICT for future grid | Integration platform | Power system simulation | Renewable energy resources | Smart grid | Storage system  
? Quartile:  
2025:  
? Economics and Econometrics (Q1, rank 154, percentile 79)  
? Energy Engineering and Power Technology (Q2, rank 98, percentile 70)

? Fuel Technology (Q2, rank 50, percentile 63)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 137, percentile 56)  
2019:  
? Economics and Econometrics (Q2, rank 186, percentile 70)  
? Energy Engineering and Power Technology (Q2, rank 93, percentile 57)  
? Fuel Technology (Q2, rank 47, percentile 52)  
? Renewable Energy, Sustainability and the Environment (Q3, rank 100, percentile 44)  
? Source Id: 21100786317  
? Author Ids: 57203210219;6603357712;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Ali J.

94.

? 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.

95.

? 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.

96.

? Title: Frequency Regulation by Thermostatically Controlled Loads: A Technical and Economic Analysis  
? Venue: IEEE Power and Energy Society General Meeting  
? Year: 2018  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/Pesgm.2018.8586247  
? Scopus ID: 2-s2.0-85060793826  
? Issn: 19449925  
? eISSN: 19449933  
? Volume: 2018-August  
? Authors: Conte F.; Di Vergagni M. Crosa; Massucco S.; Silvestro F.; Ciappessoni E.; Cirio D.  
? Keywords: Ancillary services | Load control | Montecarlo simulations | Primary frequency regulation  
? 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;57201876023;6603357712;23026343700;57205445409;6504625684  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176  
? Corresponding: Conte F.

97.

? 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.

98.

? Title: Design and Validation of a Detailed Building Thermal Model Considering Occupancy and Temperature Sensors

? Venue: IEEE 4th International Forum on Research and Technologies for Society and Industry Rtsi 2018 Proceedings

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 11

? Doi: 10.1109/Rtsi.2018.8548424

? Scopus ID: 2-s2.0-85060034213

? Authors: Bagnasco A.; Massucco S.; Saviozzi M.; Silvestro F.; Vinci A.

? Keywords: building management system | Building thermal model | EnergyPlus

? Source Id: 21100894735

? Author Ids: 6602504190;6603357712;56027556100;23026343700;57191195028

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

? Corresponding: Bagnasco A.

99.

? Title: Performance Analysis of Distributed Control Strategies for Frequency Regulation Support by Domestic Thermal Loads

? Venue: IEEE 4th International Forum on Research and Technologies for Society and Industry Rtsi 2018 Proceedings

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Rtsi.2018.8548412

? Scopus ID: 2-s2.0-85060008267

? Authors: Conte F.; Crosa Di Vergagni M.; Massucco S.; Silvestro F.; Ciappessoni E.; Cirio D.

? Keywords: ancillary services | load control | Montecarlo simulations | primary frequency regulation

? Source Id: 21100894735

? Author Ids: 57151673600;56943365800;6603357712;23026343700;57205445409;6504625684

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

? Corresponding: Conte F.

100.

? Title: Participation of Customers to Virtual Power Plants for Reactive Power Provision

? Venue: Proceedings 2018 53rd International Universities Power Engineering Conference Upec 2018

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Doi: 10.1109/Upec.2018.8541978

? Scopus ID: 2-s2.0-85059932897

? Authors: Ali Jibrán; Massucco Stefano; Silvestro Federico; Vinci Andrea

? Keywords: Distributed Energy Resources | HMI | LabVIEW | Reactive Power | Recording

Tool | Virtual Power Plants (VPP)

? Source Id: 21101282291

? Author Ids: 57203210219;6603357712;23026343700;57191195028

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Ali J.

101.

? Title: Virtual power plant for improving power system protection issues: Solution to the problem of power system reliability under distributed energy resources

? Venue: Australasian Universities Power Engineering Conference Aupec 2018

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Aupec.2018.8757947

? Scopus ID: 2-s2.0-85069486499

? Authors: Ali Jibran; Silvestro Federico; Jamil Mahmood

? Keywords: Distributed energy resources | relay | reliability | TSO-DSO | VPP

? Source Id: 21100920009

? Author Ids: 57203210219;23026343700;56040282900

? Authoraffiliationids: 60025153;60025153;60005686

? Corresponding: Ali J.

102.

? Title: Optimal Sizing of a Storage System Coupled with Grid Connected Renewable Generation Respecting Day-Ahead Dispatch Profile

? Venue: Proceedings 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2018

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Eeeic.2018.8494516

? Scopus ID: 2-s2.0-85056499986

? Authors: Massucco S.; Pongiglione P.; Saviozzi M.; Silvestro F.; Baccino F.; Serra P.

? Keywords: MILP | Monte Carlo | Optimal Sizing | PV integration | Renewable Energy Resources | Storage System

? Source Id: 21100885800

? Author Ids: 6603357712;57195506239;56027556100;23026343700;55211592900;8246669600

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

? Corresponding: Massucco S.

103.

? Title: An efficient method to take into account forecast uncertainties in large scale probabilistic power flow

? Venue: 20th Power Systems Computation Conference Pscs 2018

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.23919/Pscs.2018.8442508

? Scopus ID: 2-s2.0-85054015338

? Authors: Ciapessoni E.; Cirio D.; Pitto A.; Massucco S.; Silvestro F.

? Keywords: Point Estimate Method | Power systems | Principal Component Analysis | Risk | Security | Uncertainty

? Source Id: 21100878560

? Author Ids: 6505804291;6504625684;35068505700;6603357712;23026343700

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

? Corresponding: Ciapessoni E.

104.

? Title: Efficiency improvement of a natural gas marine engine using a hybrid turbocharger

? Venue: Energies

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 29

? DOI: 10.3390/en11071924

? Scopus ID: 2-s2.0-85052650266

? eISSN: 19961073

? Volume: 11

? Issue: 8

? Authors: Altosole Marco; Benvenuto Giovanni; Campora Ugo; Silvestro Federico; Terlizzi Giulio

? Keywords: Hybrid turbocharger | Natural gas marine engine | 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)

2018:

? Control and Optimization (Q1, rank 15, percentile 85)

? Energy Engineering and Power Technology (Q2, rank 58, percentile 71)

? Electrical and Electronic Engineering (Q2, rank 206, percentile 69)

? Energy (miscellaneous) (Q2, rank 7, percentile 69)

? Renewable Energy, Sustainability and the Environment (Q2, rank 69, percentile 57)

? Source Id: 62932

? Author Ids: 13006187800;57197362695;6508251998;23026343700;57201443402

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

? Corresponding: Altosole M.

105.

? 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.

106.

? Title: A Stochastic Optimization Method for Planning and Real-Time Control of Integrated PV-Storage Systems: Design and Experimental Validation  
? Venue: IEEE Transactions on Sustainable Energy  
? Year: 2018  
? Type: Journal  
? Subtype: Article  
? Citations: 56  
? Doi: 10.1109/Tste.2017.2775339  
? Scopus ID: 2-s2.0-85035138529  
? Issn: 19493029  
? Volume: 9  
? Issue: 3  
? Pages: 1188-1197  
? Authors: Conte Francesco; Massucco Stefano; Saviozzi Matteo; Silvestro Federico  
? Keywords: energy storage systems | PV-storage integrated systems | stochastic optimization | uncertainties management  
? Quartile:  
2025:  
? Renewable Energy, Sustainability and the Environment (Q1, rank 20, percentile 93)  
2018:  
? Renewable Energy, Sustainability and the Environment (Q1, rank 9, percentile 94)  
? Source Id: 19700177027  
? Author Ids: 57151673600;6603357712;56027556100;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Conte F.

107.

? Title: Wind farm contribution to frequency regulation by distributed adaptive kinetic energy control  
? Venue: IEEE Power and Energy Society General Meeting  
? Year: 2018  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/Pesgm.2017.8274226  
? Scopus ID: 2-s2.0-85046340846  
? Issn: 19449925  
? eISSN: 19449933  
? Volume: 2018-January  
? Pages: 1-5  
? Authors: Conte Francesco; Di Vergagni Monica Crosa; Massucco Stefano; Silvestro Federico; Borsche Theodor S.  
? Keywords: Ancillary Services | Inertial response | Primary Frequency Control | Rotational Kinetic Energy | Wind Power Plants  
? 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;57201876023;6603357712;23026343700;36241170700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025858  
? Corresponding: Conte F.

108.

? Title: Statcom application for voltage profiling of a distribution grid with high penetration of distributed energy resources  
? Venue: Iet Conference Publications  
? Year: 2018  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? DOI: 10.1049/cp.2018.1883  
? Scopus ID: 2-s2.0-85087650529  
? Volume: 2018  
? Issue: CP759  
? Authors: Ali Jibrán; Massucco Stefano; Silvestro Federico  
? Keywords: DigSILENT | Distributed Energy Resources | Reactive Power Management | STATCOM | Voltage Profiling  
? Source Id: 5400152619  
? Author Ids: 57203210219;6603357712;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Ali J.

109.

? Title: Distributed energy resources on-board cruise ships: Integration into the ship design process  
? Venue: Technology and Science for the Ships of the Future Proceedings of Nav 2018 19th International Conference on Ship and Maritime Research  
? Year: 2018  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.3233/978-1-61499-870-9-246  
? Scopus ID: 2-s2.0-85087634317  
? Pages: 246-255  
? Authors: Flore Giordano; Neroni Diego; Lamberti Thomas; Gualeni Paola; Magistri Loredana; Silvestro Federico; Pietra Andrea  
? Keywords: Design Process | Distributed Energy Resources | Fuel Cells | LNG | Microturbines | Ship Power System  
? Source Id: 21101023871  
? Author Ids:  
57204913383;57201858088;57105479600;15057843300;6603587580;23026343700;57204640598  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60083109  
? Corresponding: Flore G.

110.

? Title: Innovative energy systems: Motivations, challenges and possible solutions in the cruise ship arena  
? Venue: Technology and Science for the Ships of the Future Proceedings of Nav 2018 19th International Conference on Ship and Maritime Research  
? Year: 2018  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.3233/978-1-61499-870-9-71



? Scopus ID: 2-s2.0-85087629314

? Pages: 71-79

? Authors: Boveri Alessandro; Maggioncalda Matteo; Rattazzi Diego; Gualeni Paola; Magistri Loredana; Silvestro Federico; Pietra Andrea

? Keywords: Distributed Energy Resources | Energy Efficiency | Fuel Cells | Innovative Energy Generation | Micro-turbines | Shipboard Power Systems

? Source Id: 21101023871

? Author Ids:

57189898597;57204917987;57204722102;15057843300;6603587580;23026343700;57204640598

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60083109

? Corresponding: Boveri A.

111.

? Title: A risk-based methodology and tool combining threat analysis and power system security assessment

? Venue: Energies

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 14

? DOI: 10.3390/en11010083

? Scopus ID: 2-s2.0-85040460076

? eISSN: 19961073

? Volume: 11

? Issue: 1

? Authors: Ciapessoni Emanuele; Cirio Diego; Pitto Andrea; Marcacci Pietro; Lacavalla Matteo; Massucco Stefano; Silvestro Federico; Sforza Marino

? Keywords: Blackouts | Contingency | Extreme events | Power systems | Probability | Risk | Security | Threats | Vulnerability

? 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)

2018:

? Control and Optimization (Q1, rank 15, percentile 85)

? Energy Engineering and Power Technology (Q2, rank 58, percentile 71)

? Electrical and Electronic Engineering (Q2, rank 206, percentile 69)

? Energy (miscellaneous) (Q2, rank 7, percentile 69)

? Renewable Energy, Sustainability and the Environment (Q2, rank 69, percentile 57)

? Source Id: 62932

? Author Ids: 6505804291;6504625684;35068505700;38061748900;52063487400;6603357712;23026343700;55903400800

? Authoraffiliationids:

60104176;60104176;60104176;60104176;60104176;60025153;60025153;60122257

? Corresponding: Ciapessoni E.

112.

? Title: Stochastic modelling of aggregated thermal loads for impact analysis of demand side frequency regulation in the case of Sardinia in 2020

? Venue: International Journal of Electrical Power and Energy Systems

? Year: 2017

? Type: Journal  
? Subtype: Article  
? Citations: 23  
? DOI: 10.1016/j.ijepes.2017.05.030  
? Scopus ID: 2-s2.0-85020553766  
? Issn: 01420615  
? Volume: 93  
? Pages: 291-307  
? Authors: Conte Francesco; Massucco Stefano; Silvestro Federico; Ciapessoni Emanuele; Cirio Diego  
? Keywords: Demand response | Frequency control | Power system modelling | Thermostatically controlled loads  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 57, percentile 94)  
? Energy Engineering and Power Technology (Q1, rank 25, percentile 92)  
2017:  
? Energy Engineering and Power Technology (Q1, rank 9, percentile 95)  
? Electrical and Electronic Engineering (Q1, rank 35, percentile 94)  
? Source Id: 17985  
? Author Ids: 57151673600;6603357712;23026343700;6505804291;6504625684  
? Authoraffiliationids: 60025153;60025153;60025153;60104176;60104176  
? Corresponding: Conte F.

113.

? Title: Control and automation functions at the TSO and DSO interface ? impact on network planning  
? Venue: Cired Open Access Proceedings Journal  
? Year: 2017  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 18  
? DOI: 10.1049/oap-cired.2017.0975  
? Scopus ID: 2-s2.0-85138745391  
? eISSN: 25150855  
? Volume: 2017  
? Issue: 1  
? Pages: 2188-2191  
? Authors: Pilo Fabrizio; Mauri Giuseppe; Bak-Jensen Birgitte; Kumpf Erika; Taylor Jason; Silvestro Federico  
? Source Id: 21101111761  
? Author Ids: 35360195100;9742286200;6602910266;55511910700;57235550700;23026343700  
? Authoraffiliationids: 60032259;60104176;60022134;60109827;60006272;60025153  
? Corresponding: Pilo F.

114.

? Title: Multi facility energy monitoring in medical structures: Defining KPIs for energy saving and exporting best practices  
? Venue: International Journal of Heat and Technology  
? Year: 2017  
? Type: Journal  
? Subtype: Article  
? Citations: 4  
? DOI: 10.18280/ijht.35Sp0130  
? Scopus ID: 2-s2.0-85030234088  
? Issn: 03928764

? Volume: 35  
? Issue: Special Issue 1  
? Pages: S214-S220  
? Authors: Bagnasco Andrea; Catanzariti Roberto; Coppi Luca; Fresi Fabio; Silvestro Federico; Vinci Andrea  
? Keywords: Energy efficiency | Energy monitoring | Facility management | Hospitals | KPI  
? Quartile:  
2025:  
? Fluid Flow and Transfer Processes (Q3, rank 56, percentile 43)  
? Mechanical Engineering (Q3, rank 451, percentile 38)  
? Condensed Matter Physics (Q3, rank 327, percentile 26)  
2017:  
? Fluid Flow and Transfer Processes (Q1, rank 16, percentile 79)  
? Mechanical Engineering (Q2, rank 151, percentile 73)  
? Condensed Matter Physics (Q2, rank 161, percentile 59)  
? Source Id: 87828  
? Author Ids: 6602504190;57195939555;57195939755;56730407300;23026343700;57191195028  
? Authoraffiliationids: 60335519;112649161;60294633;119528860;60025153;60025153  
? Corresponding: Bagnasco A.

115.

? Title: Energy efficient policy and real time energy monitoring in a large hospital facility: A case study  
? Venue: International Journal of Heat and Technology  
? Year: 2017  
? Type: Journal  
? Subtype: Article  
? Citations: 14  
? DOI: 10.18280/ijht.35Sp0131  
? Scopus ID: 2-s2.0-85030226810  
? Issn: 03928764  
? Volume: 35  
? Issue: Special Issue 1  
? Pages: S221-S227  
? Authors: Silvestro Federico; Bagnasco Andrea; Lanza Ilmo; Massucco Stefano; Vinci Andrea  
? Keywords: Demand Side Management | Energy Consumption Optimization | Energy Efficiency | Energy Monitoring System | Hospital Facilities  
? Quartile:  
2025:  
? Fluid Flow and Transfer Processes (Q3, rank 56, percentile 43)  
? Mechanical Engineering (Q3, rank 451, percentile 38)  
? Condensed Matter Physics (Q3, rank 327, percentile 26)  
2017:  
? Fluid Flow and Transfer Processes (Q1, rank 16, percentile 79)  
? Mechanical Engineering (Q2, rank 151, percentile 73)  
? Condensed Matter Physics (Q2, rank 161, percentile 59)  
? Source Id: 87828  
? Author Ids: 23026343700;6602504190;57195936953;6603357712;57191195028  
? Authoraffiliationids: 60025153;60335519;60107402;60025153;60025153  
? Corresponding: Silvestro F.

116.

? Title: Mixed-Integer Linear optimization algorithm for Volt/Var Control on a distribution grid with renewable penetration

- ? Venue: 2017 6th International Conference on Clean Electrical Power Renewable Energy Resources Impact Iccep 2017  
 ? Year: 2017  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 1  
 ? Doi: 10.1109/Iccep.2017.8004824  
 ? Scopus ID: 2-s2.0-85028518742  
 ? Pages: 255-261  
 ? Authors: Massucco S.; Pongiglione P.; Saviozzi M.; Silvestro F.; Rahimi S.  
 ? Keywords: Distributed Energy Resources | DMS | MILP | Volt/Var Control  
 ? Source Id: 21100828603  
 ? Author Ids: 6603357712;57195506239;56027556100;23026343700;55512444200  
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60012591  
 ? Corresponding: Massucco S.
117.  
 ? 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 Iccep 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.
118.  
 ? Title: Equivalent modelling of reciprocating engines generators for microgrid frequency response analysis  
 ? Venue: 2017 IEEE Manchester Powertech Powertech 2017  
 ? Year: 2017  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 9  
 ? Doi: 10.1109/Ptc.2017.7980844  
 ? Scopus ID: 2-s2.0-85026868514  
 ? Authors: Conte F.; Massucco S.; Silvestro F.; Baccino F.; Serra P.  
 ? Keywords: diesel engines | frequency response | ISO standards | Microgrids | power system simulation  
 ? Source Id: 21100838740  
 ? Author Ids: 57151673600;6603357712;23026343700;55211592900;8246669600  
 ? Authoraffiliationids: 60025153;60025153;60025153;60102057;60102057  
 ? Corresponding: Conte F.
119.  
 ? 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.

120.

? 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.

121.

? Title: Stochastic approach for power generation optimal design and scheduling on ships

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

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 15

? DOI: 10.1109/ISGTEurope.2017.8260334

? Scopus ID: 2-s2.0-85046294274

? Volume: 2018-January

? Pages: 1-6

? Authors: Boveri Alessandro; Gualeni Paola; Neroni Diego; Silvestro Federico

? Keywords: electric power load analysis | Electric vehicle | optimal scheduling | power system optimal planning | Uncertainty management

? Source Id: 21100933068

? Author Ids: 57189898597;15057843300;57201858088;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Boveri A.

122.

? 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.

123.

? Title: A load management algorithm for PCC interface breaker

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

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? DOI: 10.1109/ISGTEurope.2017.8260266

? Scopus ID: 2-s2.0-85046258917

? Volume: 2018-January

? Pages: 1-6

? Authors: Adinolfi F.; Massucco S.; Saviozzi M.; Silvestro F.; Fidigatti A.; Monachesi  
F.; Ragaini E.

? Keywords: Interface Breaker | Load Management | Microgrid Management

? Source Id: 21100933068

? Author Ids:

55615847600;6603357712;56027556100;23026343700;36699443500;56028076900;6507406235

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

? Corresponding: Adinolfi F.

124.

? Title: Day-Ahead Planning and Real-Time Control of Integrated PV-Storage Systems by  
Stochastic Optimization

? Venue: IFAC Papersonline

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 11

? DOI: 10.1016/j.ifacol.2017.08.1149

? Scopus ID: 2-s2.0-85028510899

? eISSN: 24058963

? Volume: 50

? Issue: 1

? Pages: 7717-7723

? Authors: Conte Francesco; Massucco Stefano; Silvestro Federico  
? Keywords: electric power systems | Renewable energy systems | solar energy | stochastic modelling | stochastic programming  
? Quartile:  
2025:  
? Control and Systems Engineering (Q3, rank 218, percentile 42)  
2017:  
? Control and Systems Engineering (Q3, rank 162, percentile 31)  
? Source Id: 21100456158  
? Author Ids: 57151673600;6603357712;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Conte F.

125.

? Title: Risk-based dynamic security assessment for power system operation & operational planning  
? Venue: Energies  
? Year: 2017  
? Type: Journal  
? Subtype: Article  
? Citations: 29  
? DOI: 10.3390/en10040475  
? Scopus ID: 2-s2.0-85029051842  
? eISSN: 19961073  
? Volume: 10  
? Issue: 4  
? Authors: Ciapessoni Emanuele; Cirio Diego; Massucco Stefano; Morini Andrea; Pitto Andrea; Silvestro Federico  
? Keywords: Contingency | Probability | Risk | Security | 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)  
2017:  
? Control and Optimization (Q1, rank 18, percentile 80)  
? Energy Engineering and Power Technology (Q2, rank 55, percentile 73)  
? Electrical and Electronic Engineering (Q2, rank 202, percentile 69)  
? Energy (miscellaneous) (Q2, rank 7, percentile 63)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 67, percentile 55)  
? Source Id: 62932  
? Author Ids: 6505804291;6504625684;6603357712;7006658135;35068505700;23026343700  
? Authoraffiliationids: 60104176;60104176;60025153;60025153;60104176;60025153  
? Corresponding: Ciapessoni E.

126.

? Title: Ship's central cooling system live performance optimisation and modeling  
? Venue: Rina Royal Institution of Naval Architects Smart Ship Technology 2017  
? Year: 2017  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1

? Scopus ID: 2-s2.0-85064464461  
? Authors: Boveri A. P.; Panzera A.; Silvestro F.; Crocicchia I.; Lodde R.  
? Source Id: 21100903769  
? Author Ids: 57189898597;57208315032;23026343700;57208319142;57208321663  
? Authoraffiliationids: 60025153;60025153;60025153;122427450;122427450  
? Corresponding: Boveri A.

127.

? Title: Thermostatic load control for electrical system safety  
? Venue: Energia Elettrica  
? Year: 2017  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? Scopus ID: 2-s2.0-85019113541  
? Issn: 00137308  
? Volume: 94  
? Issue: 1  
? Pages: 41-51  
? Authors: Ciapessoni Emanuele; Cirio Diego; Pitto Andrea; Conte Francesco; Massucco Stefano; Silvestro Federico  
? Quartile:  
2025:  
? Energy Engineering and Power Technology (Q4, rank 302, percentile 7)  
? Electrical and Electronic Engineering (Q4, rank 946, percentile 5)  
? Civil and Structural Engineering (Q4, rank 407, percentile 2)  
2017:  
? Energy Engineering and Power Technology (Q4, rank 158, percentile 23)  
? Civil and Structural Engineering (Q4, rank 238, percentile 16)  
? Electrical and Electronic Engineering (Q4, rank 564, percentile 15)  
? Source Id: 16662  
? Author Ids: 6505804291;6504625684;35068505700;57151673600;6603357712;23026343700  
? Authoraffiliationids: 109933655;109933655;109933655;60025153;60025153;60025153  
? Corresponding: Ciapessoni E.

128.

? Title: Thermostatic load control for the safety of electrical system  
? Venue: Energia Elettrica  
? Year: 2017  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? Scopus ID: 2-s2.0-85018836022  
? Issn: 00137308  
? Volume: 94  
? Issue: 1  
? Pages: 5-17  
? Authors: Ciapessoni Emanuele; Cirio Diego; Pitto Andrea; Conte Francesco; Massucco Stefano; Silvestro Federico  
? Quartile:  
2025:  
? Energy Engineering and Power Technology (Q4, rank 302, percentile 7)  
? Electrical and Electronic Engineering (Q4, rank 946, percentile 5)  
? Civil and Structural Engineering (Q4, rank 407, percentile 2)  
2017:  
? Energy Engineering and Power Technology (Q4, rank 158, percentile 23)



? Civil and Structural Engineering (Q4, rank 238, percentile 16)  
? Electrical and Electronic Engineering (Q4, rank 564, percentile 15)  
? Source Id: 16662  
? Author Ids: 6505804291;6504625684;35068505700;57151673600;6603357712;23026343700  
? Authoraffiliationids: 112540843;112540843;112540843;60025153;60025153;60025153  
? Corresponding: Ciapessoni E.

129.

? 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.

130.

? Title: Net transfer capacity assessment using point estimate method for probabilistic power flow  
? Venue: 2016 International Conference on Probabilistic Methods Applied to Power Systems Pmaps 2016 Proceedings  
? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Pmaps.2016.7764165  
? Scopus ID: 2-s2.0-85015228056  
? Authors: Adinolfi F.; Massucco S.; Saviozzi M.; Silvestro F.; Ciapessoni E.; Cirio D.; Pitto A.  
? Keywords: Net Transfer Capacity | Point Estimate Method | probabilistic security assessment | uncertainty modeling  
? Source Id: 21100801130  
? Author Ids:  
55615847600;6603357712;56027556100;23026343700;6505804291;6504625684;35068505700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176;60104176  
? Corresponding: Adinolfi F.

131.

? Title: Frequency control services by a building cooling system aggregate  
? Venue: Electric Power Systems Research  
? Year: 2016  
? Type: Journal  
? Subtype: Article  
? Citations: 23  
? DOI: 10.1016/j.epsr.2016.07.003  
? Scopus ID: 2-s2.0-84982798925  
? Issn: 03787796  
? Volume: 141  
? Pages: 137-146  
? Authors: Conte F.; Massucco S.; Silvestro F.  
? Keywords: Demand response | Frequency control | Model Predictive Control  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)  
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)  
2016:  
? Energy Engineering and Power Technology (Q1, rank 23, percentile 88)  
? Electrical and Electronic Engineering (Q1, rank 105, percentile 84)  
? Source Id: 16044  
? Author Ids: 57151673600;6603357712;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Conte F.

132.

? 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.

133.

? Title: Performance evaluation of algorithms for the State of Charge estimation of storage devices in microgrid operation  
? Venue: 19th Power Systems Computation Conference Psc 2016

? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 11  
? Doi: 10.1109/Psc.2016.7540851  
? Scopus ID: 2-s2.0-84986576766  
? Authors: Adinolfi F.; Conte F.; Massucco S.; Saviozzi M.; Silvestro F.; Grillo S.  
? Keywords: Kalman filter | microgrid | State of charge estimation | storage device  
? Source Id: 21100778001  
? Author Ids: 55615847600;57151673600;6603357712;56027556100;23026343700;24437542800  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60023256  
? Corresponding: Adinolfi F.

134.

? Title: Reliability assessment of distribution systems incorporating feeder restoration actions  
? Venue: 19th Power Systems Computation Conference Psc 2016  
? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Psc.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.

135.

? Title: Probabilistic assessment of Net Transfer Capacity considering forecast uncertainties  
? Venue: 19th Power Systems Computation Conference Psc 2016  
? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Psc.2016.7540855  
? Scopus ID: 2-s2.0-84986537483  
? Authors: Adinolfi F.; Massucco S.; Saviozzi M.; Silvestro F.; Ciapessoni E.; Cirio D.; Pitto A.  
? Keywords: net transfer capacity | point estimate method | probability | third order polynomial normal transformation  
? Source Id: 21100778001  
? Author Ids:  
55615847600;6603357712;56027556100;23026343700;6505804291;6504625684;35068505700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176;60104176  
? Corresponding: Adinolfi F.

136.

? 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.

137.

? Title: Decision Support System For Power Generation Management For An 110000+ Grt Cruise Ship  
 ? Venue: Transactions of the Royal Institution of Naval Architects Part A International Journal of Maritime Engineering  
 ? Year: 2016  
 ? Type: Journal  
 ? Subtype: Article  
 ? Citations: 0  
 ? DOI: 10.5750/ijme.v158iA3.986  
 ? Scopus ID: 2-s2.0-85153761637  
 ? Issn: 14798751  
 ? eISSN: 17400716  
 ? Volume: 158  
 ? Issue: A3  
 ? Pages: A163-A175  
 ? Authors: Gualeni P.; Boveri A.; Silvestro F.; Margarita A.  
 ? Quartile:  
 2025:  
 ? Ocean Engineering (Q3, rank 80, percentile 31)  
 ? Environmental Engineering (Q3, rank 167, percentile 26)  
 2016:  
 ? Ocean Engineering (Q3, rank 57, percentile 35)  
 ? Environmental Engineering (Q4, rank 78, percentile 24)  
 ? Source Id: 5000154003  
 ? Author Ids: 15057843300;57189898597;23026343700;57191977272  
 ? Authoraffiliationids: 60025153;60025153;60025153;128581226  
 ? Corresponding: Gualeni P.

138.

? Title: Ship electrical load analysis and power generation optimisation to reduce operational costs  
 ? 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: 11  
 ? Doi: 10.1109/Esars-Itec.2016.7841422  
 ? Scopus ID: 2-s2.0-85015442606  
 ? Authors: Boveri Alessandro; Silvestro Federico; Gualeni Paola

? Keywords: Electrical power load analysis | energy efficiency | genetic algorithms | marine power system | optimisation | power generation  
? Source Id: 21101179807  
? Author Ids: 57189898597;23026343700;15057843300  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Boveri A.

139.

? 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/Esars-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.

140.

? Title: Decision support system for power generation management for AN 110000+ GRT cruise ship  
? Venue: Transactions of the Royal Institution of Naval Architects Part A International Journal of Maritime Engineering  
? Year: 2016  
? Type: Journal  
? Subtype: Article  
? Citations: 7  
? DOI: 10.3940/rina.ijme.2016.a3.354  
? Scopus ID: 2-s2.0-84995572471  
? Issn: 14798751  
? eISSN: 17400716  
? Volume: 158  
? Pages: 163-175  
? Authors: Gualeni P.; Boveri A.; Silvestro F.; Margarita A.  
? Quartile:  
2025:  
? Ocean Engineering (Q3, rank 80, percentile 31)  
? Environmental Engineering (Q3, rank 167, percentile 26)  
2016:  
? Ocean Engineering (Q3, rank 57, percentile 35)  
? Environmental Engineering (Q4, rank 78, percentile 24)  
? Source Id: 5000154003  
? Author Ids: 15057843300;57189898597;23026343700;57191977272  
? Authoraffiliationids: 60025153;60025153;60025153;117693939  
? Corresponding: Gualeni P.

141.

? Title: Stochastic electrical plan load Analysis for increasing flexibility in electrical ship system

? Venue: Rina Royal Institution of Naval Architects Smart Ship Technology 2016 Papers  
? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Scopus ID: 2-s2.0-84975832626  
? Pages: 109-120  
? Authors: Boveri A. P.; Gualeni P.; Silvestro F.  
? Source Id: 21100466475  
? Author Ids: 57189898597;15057843300;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Boveri A.P.

142.

? Title: Dynamic models for Distributed Energy Resources in a Microgrid environment  
? Venue: 2015 IEEE 1st International Forum on Research and Technologies for Society and Industry Rtsi 2015 Proceedings  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Rtsi.2015.7325111  
? Scopus ID: 2-s2.0-84964330650  
? Pages: 280-285  
? Authors: Adinolfi F.; Conte F.; Massucco S.; Pitto A.; Silvestro F.  
? Keywords: Dynamic Models | Gas Turbine | internal combustion engine | lithium-ion battery | Microgrid | microturbine | Solide Oxide Fuel Cell | wind turbine  
? Source Id: 21100456612  
? Author Ids: 55615847600;57151673600;6603357712;35068505700;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60104176;60025153  
? Corresponding: Adinolfi F.

143.

? Title: Stochastic Volt-Var optimization function for planning of MV distribution networks  
? Venue: IEEE Power and Energy Society General Meeting  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Pesgm.2015.7286193  
? Scopus ID: 2-s2.0-84956863901  
? Issn: 19449925  
? eISSN: 19449933  
? Volume: 2015-September  
? Authors: Rahimi S.; Zhu K.; Massucco S.; Silvestro F.  
? Keywords: Distribution systems | Mixed Integer Linear Programming (MILP) | Volt/Var Optimization (VVO)  
? 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: 55512444200;58356585700;6603357712;23026343700

? Authoraffiliationids: 117511867-60025153;117511867;60025153;60025153

? Corresponding: Rahimi S.

144.

? 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.

145.

? Title: An innovative probabilistic methodology for net transfer capacity evaluation

? Venue: 2015 IEEE Eindhoven Powertech Powertech 2015

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Ptc.2015.7232712

? Scopus ID: 2-s2.0-84951335463

? Authors: Adinolfi F.; Massucco S.; Saviozzi M.; Silvestro F.; Ciapessoni E.; Cirio D.; Pitto A.

? Keywords: Net Transfer Capacity | Point Estimate Method | Probabilistic Security Assessment | Total Transfer Capacity

? Source Id: 21100431809

? Author Ids:

55615847600;6603357712;56027556100;23026343700;6505804291;6504625684;35068505700

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

? Corresponding: Adinolfi F.

146.

? Title: Volt/VAR Optimization function with load uncertainty for planning of MV distribution networks

? Venue: 2015 IEEE Eindhoven Powertech Powertech 2015

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Ptc.2015.7232790

? Scopus ID: 2-s2.0-84951320452  
? Authors: Rahimi S.; Massucco S.; Silvestro F.; Hesamzadeh M. R.; Tohidi Y.  
? Keywords: Distribution systems | Mixed Integer Linear Programming (MILP) | Volt/VAR Optimization (VVO)  
? Source Id: 21100431809  
? Author Ids: 55512444200;6603357712;23026343700;55895322100;55807196100  
? Authoraffiliationids: 60012591-60025153;60025153;60025153;60002014;60002014  
? Corresponding: Rahimi S.

147.

? Title: Demand side response for frequency control in a regional power system  
? Venue: 5th International Conference on Clean Electrical Power Renewable Energy Resources Impact Icccep 2015  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 14  
? Doi: 10.1109/Icccep.2015.7177633  
? Scopus ID: 2-s2.0-84946593462  
? Pages: 258-264  
? Authors: Ciapessoni E.; Cirio D.; Conte F.; Massucco S.; Silvestro F.  
? Keywords: Distributed control | frequency control | load management power system simulation  
? Source Id: 21100422905  
? Author Ids: 6505804291;6504625684;57151673600;6603357712;23026343700  
? Authoraffiliationids: 60104176;60104176;60025153;60025153;60025153  
? Corresponding: Ciapessoni E.

148.

? Title: Coordinated closed-loop voltage control by using a real-time Volt/VAR Optimization function for MV distribution Networks  
? Venue: 2015 IEEE 15th International Conference on Environment and Electrical Engineering Eeeic 2015 Conference Proceedings  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/Eeeic.2015.7165343  
? Scopus ID: 2-s2.0-84943147538  
? Pages: 1222-1228  
? Authors: Rahimi Saeed; Massucco Stefano; Silvestro Federico  
? Keywords: Distribution systems | Mixed Integer Linear Programming (MILP) | Volt/VAR Optimization (VVO) | Voltage Control  
? Source Id: 21100413842  
? Author Ids: 55512444200;6603357712;23026343700  
? Authoraffiliationids: 60012591-60025153;60025153;60025153  
? Corresponding: Rahimi S.

149.

? Title: Electrical consumption forecasting in hospital facilities: An application case  
? Venue: Energy and Buildings  
? Year: 2015  
? Type: Journal  
? Subtype: Article  
? Citations: 111  
? DOI: 10.1016/j.enbuild.2015.05.056  
? Scopus ID: 2-s2.0-84937550487



? Issn: 03787788  
? Volume: 103  
? Pages: 261-270  
? Authors: Bagnasco A.; Fresi F.; Saviozzi M.; Silvestro F.; Vinci A.  
? Keywords: Building management systems | Electrical consumption in an hospital facility | Energy management systems | Load forecasting | Neural networks  
? Quartile:  
2025:  
? Civil and Structural Engineering (Q1, rank 21, percentile 95)  
? Mechanical Engineering (Q1, rank 38, percentile 94)  
? Electrical and Electronic Engineering (Q1, rank 58, percentile 94)  
? Building and Construction (Q1, rank 15, percentile 94)  
2015:  
? Civil and Structural Engineering (Q1, rank 6, percentile 97)  
? Building and Construction (Q1, rank 6, percentile 96)  
? Mechanical Engineering (Q1, rank 22, percentile 95)  
? Electrical and Electronic Engineering (Q1, rank 63, percentile 90)  
? Source Id: 29359  
? Author Ids: 6602504190;56730407300;56027556100;23026343700;57191195028  
? Authoraffiliationids: 60025153;100463225;60025153;60025153;60025153  
? Corresponding: Bagnasco A.

150.

? 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.

151.

? Title: An Optimal Model-Based Control Technique to Improve Wind Farm Participation to Frequency Regulation  
? Venue: IEEE Transactions on Sustainable Energy  
? Year: 2015  
? Type: Journal  
? Subtype: Article  
? Citations: 70  
? Doi: 10.1109/Tste.2014.2327243  
? Scopus ID: 2-s2.0-84933050400  
? Issn: 19493029  
? Volume: 6  
? Issue: 3  
? Pages: 993-1003  
? Authors: Baccino Francesco; Conte Francesco; Grillo Samuele; Massucco Stefano;

Silvestro Federico

? Keywords: Ancillary services | inertial response | model predictive control (MPC) | optimal control | primary frequency control | rotational kinetic energy | wind power plants

? Quartile:

2025:

? Renewable Energy, Sustainability and the Environment (Q1, rank 20, percentile 93)

2015:

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

? Source Id: 19700177027

? Author Ids: 55211592900;57151673600;24437542800;6603357712;23026343700

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

? Corresponding: Baccino F.

152.

? Title: Risk-based security and control framework for power system operation under significant amounts of HVDC-connected wind power generation

? Venue: International Review of Electrical Engineering

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 4

? DOI: 10.15866/iree.v10i3.6042

? Scopus ID: 2-s2.0-84941042795

? Issn: 18276660

? eISSN: 25332244

? Volume: 10

? Issue: 3

? Pages: 370-380

? Authors: Ciapessoni Emanuele; Cirio Diego; Massucco Stefano; Pitto Andrea; Silvestro Federico

? Keywords: Multi-terminal high voltage direct current networks | Power system control | Power system optimization | Power system security | Risk | Wind power generation

? Quartile:

2025:

? Applied Mathematics (Q2, rank 203, percentile 69)

? Automotive Engineering (Q2, rank 49, percentile 63)

? Instrumentation (Q2, rank 77, percentile 59)

? Electrical and Electronic Engineering (Q2, rank 439, percentile 56)

? Energy (all) (Q3, rank 42, percentile 46)

? Energy (miscellaneous) (Q3, rank 64, percentile 40)

2015:

? Electrical and Electronic Engineering (Q2, rank 262, percentile 60)

? Source Id: 17700154922

? Author Ids: 6505804291;6504625684;6603357712;35068505700;23026343700

? Authoraffiliationids:

60104176-60030318;60104176-60025153;60025153-60015197;60025153;60025153

? Corresponding: Ciapessoni E.

153.

? 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/Esars.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.

154.

? Title: A two-stage margin-based algorithm for optimal plug-in electric vehicles scheduling  
? Venue: IEEE Transactions on Smart Grid  
? Year: 2015  
? Type: Journal  
? Subtype: Article  
? Citations: 27  
? Doi: 10.1109/Tsg.2014.2380826  
? Scopus ID: 2-s2.0-84923858632  
? Issn: 19493053  
? Volume: 6  
? Issue: 2  
? Pages: 759-766  
? Authors: Baccino Francesco; Grillo Samuele; Massucco Stefano; Silvestro Federico  
? Keywords: Battery recharging optimization | optimal dispatching | optimal power flow (OPF) | plug-in electric {vehicle} (PEV) | smart charge  
? Quartile:  
2025:  
? Computer Science (all) (Q1, rank 8, percentile 96)  
2015:  
? Computer Science (all) (Q1, rank 2, percentile 99)  
? Source Id: 19700170610  
? Author Ids: 55211592900;24437542800;6603357712;23026343700  
? Authoraffiliationids: 60025153;60023256;60025153;60025153  
? Corresponding: Baccino F.

155.

? Title: Applying full MILP model to volt-var optimization problem for MV distribution networks  
? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 7  
? DOI: 10.1109/ISGTEurope.2014.7028854  
? Scopus ID: 2-s2.0-84936984622  
? Volume: 2015-January  
? Issue: January  
? Authors: Rahimi S.; Massucco S.; Silvestro F.; Hesamzadeh M. R.; Tohidi Y.  
? Keywords: Distribution systems | Mixed Integer Linear Programming (MILP) | Volt/Var Optimization (VVO)  
? Source Id: 21100510299

? Author Ids: 55512444200;6603357712;23026343700;55895322100;55807196100  
? Authoraffiliationids: 60012591-60025153;60025153;60025153;60002014;60002014  
? Corresponding: Rahimi S.

156.

? 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.

157.

? Title: Impact analysis of load control for frequency regulation: The case of Sardinia in 2020  
? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? DOI: 10.1109/ISGTEurope.2014.7028924  
? Scopus ID: 2-s2.0-84936971163  
? Volume: 2015-January  
? Issue: January  
? Authors: Baccino F.; Conte F.; Silvestro F.; Massucco S.; Ciapessoni E.; Cirio D.  
? Keywords: demand side management | primary and secondary frequency regulation | RES integration  
? Source Id: 21100510299  
? Author Ids: 55211592900;57151673600;23026343700;6603357712;6505804291;6504625684  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176  
? Corresponding: Baccino F.

158.

? Title: A novel approach to account for uncertainty and correlations in probabilistic power flow  
? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? DOI: 10.1109/ISGTEurope.2014.7028932  
? Scopus ID: 2-s2.0-84936970889  
? Volume: 2015-January  
? Issue: January  
? Authors: Ciapessoni Emanuele; Cirio Diego; Pitto Andrea; Massucco Stefano; Silvestro

Federico

? Keywords: copula | power system security | probabilistic power flow | risk

? Source Id: 21100510299

? Author Ids: 6505804291;6504625684;35068505700;6603357712;23026343700

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

? Corresponding: Ciapessoni E.

159.

? 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.

160.

? Title: Artificial neural network application to load forecasting in a large hospital facility

? Venue: 2014 International Conference on Probabilistic Methods Applied to Power Systems Pmaps 2014 Conference Proceedings

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 17

? Doi: 10.1109/Pmaps.2014.6960579

? Scopus ID: 2-s2.0-84915758153

? Authors: Bagnasco A.; Saviozzi M.; Silvestro F.; Vinci A.; Grillo S.; Zennaro E.

? Keywords: artificial neural network | distributed generation | Load forecasting | smart grids

? Source Id: 21100349517

? Author Ids: 6602504190;56027556100;23026343700;57191195028;24437542800;56226101200

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60023256;60032350

? Corresponding: Bagnasco A.

161.

? Title: Management strategy for unbalanced LV distribution network with electric vehicles, heat pumps and domestic photovoltaic penetration  
 ? Venue: IEEE Power and Energy Society General Meeting  
 ? Year: 2014  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 10  
 ? Doi: 10.1109/Pesgm.2014.6939158  
 ? Scopus ID: 2-s2.0-84930999666  
 ? Issn: 19449925  
 ? eISSN: 19449933  
 ? Volume: 2014-October  
 ? Issue: October  
 ? Authors: Baccino F.; Massucco S.; Silvestro F.; Grillo S.  
 ? Keywords: electric vehicles | PV systems | RES integration | smart grids  
 ? 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: 55211592900;6603357712;23026343700;24437542800  
 ? Authoraffiliationids: 60025153;60025153;60025153;60023256  
 ? Corresponding: Baccino F.

162.

? Title: Experimental testing procedures and dynamic model validation for vanadium redox flow battery storage system  
 ? Venue: Journal of Power Sources  
 ? Year: 2014  
 ? Type: Journal  
 ? Subtype: Article  
 ? Citations: 25  
 ? DOI: 10.1016/j.jpowsour.2013.12.078  
 ? Scopus ID: 2-s2.0-84892760411  
 ? Issn: 03787753  
 ? Volume: 254  
 ? Pages: 277-286  
 ? Authors: Baccino Francesco; Marinelli Mattia; N<sup>o</sup>,rg<sup>o</sup>rd Per; Silvestro Federico  
 ? Keywords: Batteries | Energy storage | Modeling | Vanadium redox flow battery  
 ? Quartile:  
 2025:  
 ? Electrical and Electronic Engineering (Q1, rank 71, percentile 92)  
 ? Energy Engineering and Power Technology (Q1, rank 33, percentile 90)  
 ? Physical and Theoretical Chemistry (Q1, rank 21, percentile 89)  
 ? Renewable Energy, Sustainability and the Environment (Q1, rank 57, percentile 81)  
 2014:  
 ? Energy Engineering and Power Technology (Q1, rank 2, percentile 99)  
 ? Electrical and Electronic Engineering (Q1, rank 16, percentile 97)  
 ? Physical and Theoretical Chemistry (Q1, rank 9, percentile 94)  
 ? Renewable Energy, Sustainability and the Environment (Q1, rank 8, percentile 93)  
 ? Source Id: 18063  
 ? Author Ids: 55211592900;55936425500;22734607900;23026343700  
 ? Authoraffiliationids: 60025153;60011373;60011373;60025153

- ? Corresponding: Baccino F.
- 163.
- ? Title: Frequency regulation by management of building cooling systems through Model Predictive Control
- ? Venue: Proceedings 2014 Power Systems Computation Conference Psc 2014
- ? Year: 2014
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 19
- ? Doi: 10.1109/Psc.2014.7038380
- ? Scopus ID: 2-s2.0-84946689821
- ? Authors: Baccino F.; Conte F.; Massucco S.; Silvestro F.; Grillo S.
- ? Keywords: ancillary services | demand control | Model predictive control | primary and secondary frequency control
- ? Source Id: 21100377750
- ? Author Ids: 55211592900;57151673600;6603357712;23026343700;24437542800
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60023256
- ? Corresponding: Baccino F.
- 164.
- ? Title: Using the advanced DMS functions to handle the impact of plug-in Electric vehicles on distribution networks
- ? Venue: 2014 IEEE International Electric Vehicle Conference levc 2014
- ? Year: 2014
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Doi: 10.1109/levc.2014.7056127
- ? Scopus ID: 2-s2.0-84988231273
- ? Authors: Rahimi S.; Zhu K.; Massucco S.; Silvestro F.; Steen D.
- ? Keywords: Distribution systems | Electric vehicle | Energy management | Mixed Integer Linear Programming (MILP) | Plug-in hybrid | Smart Grid | Volt/Var Optimization (VVO)
- ? Source Id: 21100780021
- ? Author Ids: 55512444200;59793088200;6603357712;23026343700;36678268300
- ? Authoraffiliationids: 60012591-60025153;60012591;60025153;60025153;60000990
- ? Corresponding: Rahimi S.
- 165.
- ? Title: Optimal charging strategy algorithm for PEVs: A Monte Carlo validation
- ? Venue: 2014 IEEE International Electric Vehicle Conference levc 2014
- ? Year: 2014
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 1
- ? Doi: 10.1109/levc.2014.7056188
- ? Scopus ID: 2-s2.0-84971569477
- ? Authors: Baccino Francesco; Grillo Samuele; Massucco Stefano; Silvestro Federico
- ? Keywords: optimal dispatching | optimal power flow | Plug-in electric vehicle (PEV) | recharge optimization | SAIDI | SAIFI
- ? Source Id: 21100583462
- ? Author Ids: 55211592900;24437542800;6603357712;23026343700
- ? Authoraffiliationids: 60025153;60023256;60025153;60025153
- ? Corresponding: Baccino F.
- 166.
- ? Title: An aggregator for demand side management at domestic level including PEVs
- ? Venue: 2014 IEEE International Electric Vehicle Conference levc 2014

? Year: 2014  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/levc.2014.7056184  
? Scopus ID: 2-s2.0-84971539275  
? Authors: Baccino Francesco; Grillo Samuele; Massucco Stefano; Mauri Giuseppe; Mora Paolo; Silvestro Federico  
? Keywords: Demand side management | mixed integer linear programming | optimization  
? Source Id: 21100583462  
? Author Ids: 55211592900;24437542800;6603357712;9742286200;54783088900;23026343700  
? Authoraffiliationids: 60025153;60023256;60025153;60104176;60104176;60025153  
? Corresponding: Baccino F.

167.

? Title: Coordinated contribution of wind turbines to frequency regulation by model predictive control  
? Venue: IFAC Proceedings Volumes IFAC Papersonline  
? Year: 2014  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? DOI: 10.3182/20140824-6-za-1003.00591  
? Scopus ID: 2-s2.0-84929736016  
? Issn: 14746670  
? Volume: 19  
? Pages: 3645-3650  
? Authors: Baccino F.; Conte F.; Grillo S.; Massucco S.; Silvestro F.  
? Keywords: Electric power systems | Optimal control | Power generation | Predictive control | Wind generation  
? Quartile:  
2025:  
? Control and Systems Engineering (Q3, rank 218, percentile 42)  
? Source Id: 21100456158  
? Author Ids: 55211592900;57151673600;24437542800;6603357712;23026343700  
? Authoraffiliationids: 60025153;60025153;60023256;60025153;60025153  
? Corresponding: Baccino F.

168.

? Title: Hierarchical voltage regulation of transmission systems with renewable power plants: An overview of the Italian case  
? Venue: Iet Conference Publications  
? Year: 2014  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 15  
? DOI: 10.1049/cp.2014.0861  
? Scopus ID: 2-s2.0-84912076726  
? Volume: 2014  
? Issue: CP651  
? Authors: Chiandone M.; Sulligoi G.; Massucco S.; Silvestro F.  
? Keywords: Renewable energy sources | Secondary voltage regulation | Transmission system  
? Source Id: 5400152619  
? Author Ids: 24823814700;21834957300;6603357712;23026343700  
? Authoraffiliationids: 60018363;60018363;60025153;60025153



- ? Corresponding: Chiandone M.
- 169.
- ? Title: Intelligent load management for a shopping mall model in a smartgrid enviroment
- ? Venue: 2013 IEEE Grenoble Conference Powertech Powertech 2013
- ? Year: 2013
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 7
- ? Doi: 10.1109/Ptc.2013.6652287
- ? Scopus ID: 2-s2.0-84890889204
- ? Authors: Adinolfi F.; Massucco S.; Silvestro F.; De Danieli A.; Fidigatti A.; Ragaini E.
- ? Keywords: Demand Response (DR) | Demand Side Management | Intelligent Load Management | peak shaving | smartgrid
- ? Source Id: 21100276223
- ? Author Ids: 55615847600;6603357712;23026343700;55515526700;36699443500;6507406235
- ? Authoraffiliationids: 60025153;60025153;60025153;60102057;60102057;60102057
- ? Corresponding: Adinolfi F.
- 170.
- ? Title: Demand side integration aspects in active distribution planning
- ? Venue: Iet Conference Publications
- ? Year: 2013
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 11
- ? DOI: 10.1049/cp.2013.1254
- ? Scopus ID: 2-s2.0-84897676960
- ? Volume: 2013
- ? Issue: 615 Cp
- ? Authors: Silvestro Federico; Baitech Alex; Pilo Fabrizio; Bak-Jensen Birgitte; Fan Mingtian; Pisano Giuditta; Georgilakis Pavlos; Hatziaargyriou Nikos; Petretto Giacomo
- ? Source Id: 5400152619
- ? Author Ids: 23026343700;6507515991;35360195100;6602910266;9741926500;9742178400;6603883470;35548793600;57034347800
- ? Authoraffiliationids: 60025153;114318043;60032259;60022134;;60032259;60002947;60002947;60027994
- ? Corresponding: Silvestro F.
- 171.
- ? 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.

172.

? Title: Integration of renewable energy sources, energy storage systems, and electrical vehicles with smart power distribution networks

? Venue: Journal of Ambient Intelligence and Humanized Computing

? Year: 2013

? Type: Journal

? Subtype: Review

? Citations: 49

? DOI: 10.1007/s12652-013-0182-y

? Scopus ID: 2-s2.0-84887473097

? Issn: 18685137

? eISSN: 18685145

? Volume: 4

? Issue: 6

? Pages: 663-671

? Authors: Di Fazio A. R.; Erseghe T.; Ghiani E.; Murrone M.; Siano P.; Silvestro F.

? Keywords: Distributed energy sources | Distribution management systems | Information and communication technology | Smart grid

? Quartile:

2025:

? Computer Science (all) (Q1, rank 18, percentile 92)

2013:

? Computer Science (all) (Q2, rank 50, percentile 74)

? Source Id: 19400158593

? Author Ids: 24437779200;6602306740;24437612700;7801550098;6603170751;23026343700

? Authoraffiliationids: 600017111;60000481;60032259;60032259;60007061;60025153

? Corresponding: Di Fazio A.

173.

? Title: An integrated platform for power system security assessment implementing probabilistic and deterministic methodologies

? Venue: IEEE Systems Journal

? Year: 2013

? Type: Journal

? Subtype: Article

? Citations: 25

? Doi: 10.1109/Jsys.2012.2190697

? Scopus ID: 2-s2.0-84886944297

? Issn: 19328184

? eISSN: 19379234

? Volume: 7

? Issue: 4

? Pages: 845-853

? Authors: Ciapessoni Emanuele; Cirio Diego; Grillo Samuele; Massucco Stefano; Pitto Andrea; Silvestro Federico

? Keywords: Dynamic security assessment | integrated platform | power system security | probability | risk

? 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)

2013:

? Electrical and Electronic Engineering (Q1, rank 95, percentile 85)

? Control and Systems Engineering (Q1, rank 39, percentile 80)

? Source Id: 11300153734

? Author Ids: 6505804291;6504625684;24437542800;6603357712;35068505700;23026343700

? Authoraffiliationids: 112844383;112844383;60023256;60025153;112844383;60025153

? Corresponding: Ciapessoni E.

174.

? Title: Short-term load forecasting in hospital systems

? Venue: Ifmbe Proceedings

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1007/978-3-642-29305-4\_179

? Scopus ID: 2-s2.0-84876033254

? Issn: 16800737

? Volume: 39 Ifmbe

? Pages: 685-687

? Authors: Bertolini S.; Massucco S.; Silvestro F.; Grillo S.; Giacomini G.

? Keywords: artificial neural network | duration curves | load forecasting in health environments | optimization in electrical power use

? Quartile:

2025:

? Bioengineering (Q4, rank 164, percentile 3)

? Biomedical Engineering (Q4, rank 326, percentile 2)

? Source Id: 19400157277

? Author Ids: 35745587700;6603357712;23026343700;24437542800;55208666200

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

? Corresponding: Bertolini S.

175.

? Title: An innovative platform integrating deterministic and probabilistic tools for power system security assessment within a unified approach

? Venue: 2012 IEEE International Energy Conference and Exhibition Energycon 2012

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? DOI: 10.1109/EnergyCon.2012.6348196

? Scopus ID: 2-s2.0-84870848372

? Pages: 458-463

? Authors: Ciapessoni E.; Cirio D.; Massucco S.; Pitto A.; Silvestro F.

? Keywords: Dynamic Security Assessment | Integrated Platform | power system security | probability | risk

? Source Id: 21100223117

? Author Ids: 6505804291;6504625684;6603357712;35068505700;23026343700

? Authoraffiliationids: 113250246;113250246;113250246;60025153;60025153

? Corresponding: Ciapessoni E.

176.

? Title: Load management by advanced protection systems in low voltage microgrids

? Venue: 2012 IEEE International Energy Conference and Exhibition Energycon 2012

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper  
? Citations: 3  
? DOI: 10.1109/EnergyCon.2012.6348245  
? Scopus ID: 2-s2.0-84870830633  
? Pages: 720-724  
? Authors: De Danieli A.; Fidigatti A.; Ragaini E.; Massucco S.; Morini A.; Silvestro F.  
? Keywords: Demand Side Management | electric energy distribution | load management | protection systems | smartgrids  
? Source Id: 21100223117  
? Author Ids: 55515526700;36699443500;6507406235;6603357712;7006658135;23026343700  
? Authoraffiliationids: 113250666;113250666;113250666;60025153;60025153;60025153  
? Corresponding: De Danieli A.

177.

? Title: Evaluation of requirements for Volt/Var control and optimization function in distribution management systems  
? Venue: 2012 IEEE International Energy Conference and Exhibition Energycon 2012  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 46  
? DOI: 10.1109/EnergyCon.2012.6347777  
? Scopus ID: 2-s2.0-84870781692  
? Pages: 331-336  
? Authors: Rahimi S.; Marinelli M.; Silvestro F.  
? Keywords: Distribution systems | integrated volt/var control (IVVC) | Optimization methods | Volt/Var Optimization (VVO) | VVC  
? Source Id: 21100223117  
? Author Ids: 55512444200;55936425500;23026343700  
? Authoraffiliationids: 60012591;60025153;60025153  
? Corresponding: Rahimi S.

178.

? Title: Low voltage microgrid under islanded operation: Control strategies and experimental tests  
? Venue: Iet Conference Publications  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? DOI: 10.1049/cp.2012.2028  
? Scopus ID: 2-s2.0-84879625531  
? Volume: 2012  
? Issue: 613 Cp  
? Authors: Baccino F.; Marinelli M.; Massucco S.; Silvestro F.  
? Keywords: Islanding operation | Microgrid | Renewable energy sources | Smartgrid | Storage systems  
? Source Id: 5400152619  
? Author Ids: 55211592900;55936425500;6603357712;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Baccino F.

179.

? Title: An analytical method for probabilistic load flow applied to multi-terminal HVDC networks for offshore wind farm integration  
? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe

? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? DOI: 10.1109/ISGTEurope.2012.6465803  
? Scopus ID: 2-s2.0-84874742499  
? Authors: Ciapessoni E.; Cirio D.; Pitto A.; Massucco S.; Silvestro F.  
? Keywords: cumulants | Gram-Charlier expansion | moments | Multi-terminal HVDC | probabilistic load flow | VSC  
? Source Id: 21100201933  
? Author Ids: 6505804291;6504625684;35068505700;6603357712;23026343700  
? Authoraffiliationids: 60104176;60104176;60104176;60025153;60025153  
? Corresponding: Ciapessoni E.

180.

? Title: Model of a real medium voltage distribution network for analysis of distributed generation penetration in a SmartGrid scenario  
? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 11  
? DOI: 10.1109/ISGTEurope.2012.6465800  
? Scopus ID: 2-s2.0-84874731403  
? Authors: Adinolfi F.; Baccino F.; Marinelli M.; Massucco S.; Silvestro F.  
? Keywords: ancillary services | MV distribution network | national standards | PV integration | Smartgrid  
? Source Id: 21100201933  
? Author Ids: 55615847600;55211592900;55936425500;6603357712;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Adinolfi F.

181.

? Title: Optimal management strategy of a battery-based storage system to improve renewable energy integration in distribution networks  
? Venue: IEEE Transactions on Smart Grid  
? Year: 2012  
? Type: Journal  
? Subtype: Article  
? Citations: 151  
? Doi: 10.1109/Tsg.2012.2189984  
? Scopus ID: 2-s2.0-84861905167  
? Issn: 19493053  
? Volume: 3  
? Issue: 2  
? Pages: 950-958  
? Authors: Grillo Samuele; Marinelli Mattia; Massucco Stefano; Silvestro Federico  
? Keywords: Battery plants | dynamic programming | power generation dispatch | renewable power generation | smart grids | storage systems  
? Quartile:  
2025:  
? Computer Science (all) (Q1, rank 8, percentile 96)  
2012:  
? Computer Science (all) (Q1, rank 4, percentile 98)  
? Source Id: 19700170610  
? Author Ids: 24437542800;55936425500;6603357712;23026343700

? Authoraffiliationids: 60023256;60025153;60025153;60025153

? Corresponding: Grillo S.

182.

? Title: Microgrid concepts and models for the electrical grid of an industrial district

? Venue: Cigre 2011 Bologna Symposium the Electric Power System of the Future Integrating Supergrids and Microgrids

? Year: 2011

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-84877269030

? Authors: Baccino F.; Marinelli M.; Massucco S.; Silvestro F.; Petretto G.; Scalari S.; Grillo S.

? Keywords: Distribution management systems | Distribution networks | Microgrid | Smartgrid

? Source Id: 21100239401

? Author Ids:

55211592900;55936425500;6603357712;23026343700;57034347800;26668146600;24437542800

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60027994;60027994;60023256

? Corresponding: Baccino F.

183.

? Title: An innovative risk control strategy in power systems involving advanced HVDC networks

? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe

? Year: 2011

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? DOI: 10.1109/ISGTEurope.2011.6162712

? Scopus ID: 2-s2.0-84860784432

? Authors: Ciapessoni E.; Cirio D.; Massucco S.; Pitto A.; Silvestro F.

? Keywords: Control | Generation redispatching | Optimization | Power system security | Risk

? Source Id: 21100510647

? Author Ids: 6505804291;6504625684;6603357712;35068505700;23026343700

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

? Corresponding: Ciapessoni E.

184.

? Title: Power and energy control strategies for a Vanadium Redox Flow Battery and wind farm combined system

? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe

? Year: 2011

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 19

? DOI: 10.1109/ISGTEurope.2011.6162658

? Scopus ID: 2-s2.0-84860712957

? Authors: Baccino F.; Grillo S.; Marinelli M.; Massucco S.; Silvestro F.

? Keywords: Renewable generation | Storage modeling | Vanadium Redox flow battery

? Source Id: 21100510647

? Author Ids: 55211592900;24437542800;55936425500;6603357712;23026343700

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

? Corresponding: Baccino F.

185.

? Title: A gas turbine model for studies on distributed generation penetration into distribution networks  
? Venue: IEEE Transactions on Power Systems  
? Year: 2011  
? Type: Journal  
? Subtype: Article  
? Citations: 41  
? Doi: 10.1109/Tpwr.2010.2091290  
? Scopus ID: 2-s2.0-79960890380  
? Issn: 08858950  
? Volume: 26  
? Issue: 3  
? Pages: 992-999  
? Authors: Massucco Stefano; Pitto Andrea; Silvestro Federico  
? Keywords: Cogeneration | distributed generation | gas turbine | islanding | prime mover controls  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 36, percentile 96)  
? Energy Engineering and Power Technology (Q1, rank 17, percentile 94)  
2011:  
? Energy Engineering and Power Technology (Q1, rank 4, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 25, percentile 95)  
? Source Id: 28825  
? Author Ids: 6603357712;35068505700;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Massucco S.

186.

? Title: Impact evaluation of plug-in electric vehicles (PEV) on electric distribution networks  
? Venue: Ichqp 2010 14th International Conference on Harmonics and Quality of Power  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 29  
? Doi: 10.1109/Ichqp.2010.5625433  
? Scopus ID: 2-s2.0-78650569483  
? Authors: De Nigris Michele; Gianinoni Iva; Grillo Samuele; Massucco Stefano; Silvestro Federico  
? Keywords: Electric distribution networks | Electric load profiles | Plug-in electric vehicles (PEV) | Plug-in hybrid electric vehicles (PHEV)  
? Source Id: 19700183083  
? Author Ids: 6602128321;6506111976;24437542800;6603357712;23026343700  
? Authoraffiliationids: 108615662;108615662;60025153;60025153;60025153  
? Corresponding: De Nigris M.

187.

? Title: Risk evaluation in power system contingency analyses  
? Venue: 43rd International Conference on Large High Voltage Electric Systems 2010 Cigre 2010  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 14

? Scopus ID: 2-s2.0-84876761072  
? Authors: Ciapessoni E.; Cirio D.; Gaglioti E.; Massucco S.; Pitto A.; Silvestro F.  
? Keywords: Cascading | Multiple contingencies | PRA | Probabilistic Risk Assessment | Risk index  
? Source Id: 21100238645  
? Author Ids: 6505804291;6504625684;24779643600;6603357712;35068505700;23026343700  
? Authoraffiliationids: ;;60025153;60025153;60025153  
? Corresponding: Ciapessoni E.

188.

? Title: Transient support to frequency control from wind turbine with synchronous generator and full converter  
? Venue: Proceedings of the Universities Power Engineering Conference  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Scopus ID: 2-s2.0-78651424967  
? Authors: Grillo S.; Marinelli M.; Silvestro F.; Sossan F.; Anaya-Lara O.; Burt G.  
? Keywords: Distributed generation | Primary frequency control support | Renewable generation | Wind power  
? Source Id: 69722  
? Author Ids: 24437542800;55936425500;23026343700;36915836500;56024670700;57804705300  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60024724;60024724  
? Corresponding: Grillo S.

189.

? Title: Microturbine control modeling to investigate the effects of distributed generation in electric energy networks  
? Venue: IEEE Systems Journal  
? Year: 2010  
? Type: Journal  
? Subtype: Article  
? Citations: 49  
? Doi: 10.1109/Jsysst.2010.2059190  
? Scopus ID: 2-s2.0-77956344974  
? Issn: 19328184  
? eISSN: 19379234  
? Volume: 4  
? Issue: 3  
? Pages: 303-312  
? Authors: Grillo Samuele; Massucco Stefano; Morini Andrea; Pitto Andrea; Silvestro Federico  
? Keywords: Active and reactive power controls | distributed generation | microturbines | smart grids | voltage and frequency controls  
? 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)  
? Source Id: 11300153734  
? Author Ids: 24437542800;6603357712;7006658135;35068505700;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Grillo S.



190.

? Title: Short-term scheduling and control of active distribution systems with high penetration of renewable resources  
? Venue: IEEE Systems Journal  
? Year: 2010  
? Type: Journal  
? Subtype: Article  
? Citations: 247  
? Doi: 10.1109/Jsysst.2010.2059171  
? Scopus ID: 2-s2.0-77956338233  
? Issn: 19328184  
? eISSN: 19379234  
? Volume: 4  
? Issue: 3  
? Pages: 313-322  
? Authors: Borghetti Alberto; Bosetti Mauro; Grillo Samuele; Massucco Stefano; Nucci Carlo Alberto; Paolone Mario; Silvestro Federico  
? Keywords: Active distribution networks | distributed generation | energy dispatch optimization | operation of distribution networks | smartgrids | sustainable energy generation  
? 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)  
? Source Id: 11300153734  
? Author Ids:  
57381372500;24280501800;24437542800;6603357712;7006123266;6602935459;23026343700  
? Authoraffiliationids: 60028218;60028218;60025153;60025153;60028218;60028218;60025153  
? Corresponding: Borghetti A.

191.

? Title: Indices-based voltage stability monitoring of the Italian HV transmission system  
? Venue: 2010 IEEE Pes Transmission and Distribution Conference and Exposition Smart Solutions for A Changing World  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Tdc.2010.5484380  
? Scopus ID: 2-s2.0-77954770661  
? Authors: Grillo S.; Massucco S.; Pitto A.; Silvestro F.  
? Keywords: Fast indices | Power system monitoring | Situational awareness | Voltage stability  
? Source Id: 19700175849  
? Author Ids: 24437542800;6603357712;35068505700;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Grillo S.

192.

? Title: Indices for fast contingency ranking in large electric power systems  
? Venue: Proceedings of the Mediterranean Electrotechnical Conference MELECON  
? Year: 2010

? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 11  
? Doi: 10.1109/Melcon.2010.5476004  
? Scopus ID: 2-s2.0-77954292836  
? Pages: 660-666  
? Authors: Grillo S.; Massucco S.; Pitto A.; Silvestro F.  
? Source Id: 57064  
? Author Ids: 24437542800;6603357712;35068505700;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Grillo S.

193.

? Title: Modeling of DFIG wind turbine and lithium ion energy storage system  
? Venue: Compeng 2010 Complexity in Engineering  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Compeng.2010.27  
? Scopus ID: 2-s2.0-77952163309  
? Pages: 43-45  
? Authors: Marinelli M.; Morini A.; Silvestro F.  
? Keywords: DFIG | Embedded generation | Lithium ion | Renewable generation | Storage | Wind power  
? Source Id: 19700173129  
? Author Ids: 55936425500;7006658135;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Marinelli M.

194.

? Title: Coordinated micro-generation and load management for energy saving policies  
? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe Isgt Europe  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Isgteurope.2010.5638953  
? Scopus ID: 2-s2.0-78650578634  
? Authors: Bertolini Simona; Giacomini Mauro; Grillo Samuele; Massucco Stefano; Silvestro Federico  
? Keywords: Distributed generation | Energy efficiency | Energy management | Load forecasting | RES optimization  
? Source Id: 19700183084  
? Author Ids: 35745587700;55208666200;24437542800;6603357712;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bertolini S.

195.

? Title: Operational risk assessment and control: A probabilistic approach  
? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe Isgt Europe  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 19  
? Doi: 10.1109/Isgteurope.2010.5638975  
? Scopus ID: 2-s2.0-78650548106

? Authors: Ciapessoni E.; Cirio D.; Grillo S.; Massucco S.; Pitto A.; Silvestro F.  
? Keywords: Operation | Power system security | Probabilistic analysis | Risk  
? Source Id: 19700183084  
? Author Ids: 6505804291;6504625684;24437542800;6603357712;35068505700;23026343700  
? Authoraffiliationids: 108615662;108615662;60025153;60025153;60025153;60025153  
? Corresponding: Ciapessoni E.

196.

? Title: Characterization of wind and solar generation and their influence on distribution network performances  
? Venue: Proceedings of the Universities Power Engineering Conference  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 10  
? Scopus ID: 2-s2.0-77951708444  
? Authors: Pasca Emanuele; Petretto Giacomo; Grillo Samuele; Marinelli Mattia; Silvestro Federico  
? Keywords: Distributed generation | Photovoltaic power | Renewable generation | Voltage profiles | Wind power  
? Source Id: 69722  
? Author Ids: 36059921800;57034347800;24437542800;55936425500;23026343700  
? Authoraffiliationids: 60027994;60027994;60025153;60025153;60025153  
? Corresponding: Pasca E.

197.

? Title: Short-term scheduling of active distribution systems  
? Venue: 2009 IEEE Bucharest Powertech Innovative Ideas Toward the Electrical Grid of the Future  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 18  
? Doi: 10.1109/Ptc.2009.5281921  
? Scopus ID: 2-s2.0-74949132663  
? Authors: Borghetti A.; Bosetti M.; Grillo S.; Paolone M.; Silvestro F.  
? Keywords: Distributed generation | MILP | Operation of distribution networks  
? Source Id: 19600157813  
? Author Ids: 57381372500;24280501800;24437542800;6602935459;23026343700  
? Authoraffiliationids: 60028218;60028218;60025153;60028218;60025153  
? Corresponding: Borghetti A.

198.

? Title: A solid oxide fuel cell model to investigate load following and stability issues in distribution networks  
? Venue: 2009 IEEE Bucharest Powertech Innovative Ideas Toward the Electrical Grid of the Future  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Ptc.2009.5282267  
? Scopus ID: 2-s2.0-74949122414  
? Authors: Massucco S.; Morini A.; Petretto G.; Pitto A.; Silvestro F.  
? Keywords: Distributed generation | Gas turbine | Load following | Solide oxide fuel cell | Transient stability  
? Source Id: 19600157813

? Author Ids: 6603357712;7006658135;57034347800;35068505700;23026343700  
? Authoraffiliationids: 60025153;60025153;60027994;60025153;60025153  
? Corresponding: Massucco S.

199.

? Title: Evaluation of some indices for voltage stability assessment  
? Venue: 2009 IEEE Bucharest Powertech Innovative Ideas Toward the Electrical Grid of the Future  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 16  
? Doi: 10.1109/Ptc.2009.5282262  
? Scopus ID: 2-s2.0-74949110157  
? Authors: Massucco S.; Grillo S.; Pitto A.; Silvestro F.  
? Keywords: Fast indices | Steady-state Voltage stability | Voltage collapse | Voltage stability assessment  
? Source Id: 19600157813  
? Author Ids: 6603357712;24437542800;35068505700;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Massucco S.

200.

? Title: Influence of feasibility constraints on the bidding strategy selection in a day-ahead electricity market session  
? Venue: Electric Power Systems Research  
? Year: 2009  
? Type: Journal  
? Subtype: Article  
? Citations: 15  
? DOI: 10.1016/j.epsr.2009.07.011  
? Scopus ID: 2-s2.0-70349125820  
? Issn: 03787796  
? Volume: 79  
? Issue: 12  
? Pages: 1727-1737  
? Authors: Borghetti Alberto; Massucco Stefano; Silvestro Federico  
? Keywords: Bidding strategies | Electricity market | Feasibility constraints | Game theory | Unit commitment  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)  
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)  
? Source Id: 16044  
? Author Ids: 57381372500;6603357712;23026343700  
? Authoraffiliationids: 60028218;60025153;60025153  
? Corresponding: Borghetti A.

201.

? Title: A procedure for the automatic scheduling of distributed energy resources in medium voltage networks  
? Venue: Iet Conference Publications  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? DOI: 10.1049/cp.2009.0986

? Scopus ID: 2-s2.0-70450178271  
? Issue: 550 Cp  
? Authors: Borghetti Alberto; Bosetti Mauro; Nucci Carlo Alberto; Paolone Mario; Massucco Stefano; Silvestro Federico; Scalari Sandra  
? Source Id: 5400152619  
? Author Ids:  
57381372500;24280501800;7006123266;6602935459;6603357712;23026343700;26668146600  
? Authoraffiliationids: 60028218;60028218;60028218;60028218;60025153;60025153;60027994  
? Corresponding: Borghetti A.

202.

? Title: A probabilistic risk assessment approach to support the operation of large electric power systems  
? Venue: 2009 IEEE Pes Power Systems Conference and Exposition Psce 2009  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 9  
? Doi: 10.1109/Psce.2009.4840260  
? Scopus ID: 2-s2.0-70349188252  
? Authors: Ciapessoni E.; Cirio D.; Massucco S.; Pitto A.; Silvestro F.  
? Keywords: Contingency probability model | Overload risk | Probabilistic Risk Assessment  
? Source Id: 19200157105  
? Author Ids: 6505804291;6504625684;6603357712;35068505700;23026343700  
? Authoraffiliationids: 60081911;60081911;60025153;60025153;60025153  
? Corresponding: Ciapessoni E.

203.

? Title: Modeling of doubly fed induction generator (DFIG) equipped wind turbine for dynamic studies  
? Venue: Proceedings of the Universities Power Engineering Conference  
? Year: 2008  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 12  
? Doi: 10.1109/Upec.2008.4651589  
? Scopus ID: 2-s2.0-68949201574  
? Authors: Marinelli Mattia; Morini Andrea; Pitto Andrea; Silvestro Federico  
? Keywords: Doubly fed induction generator | Frequency regulation | Low voltage ride through | Voltage regulation | Wind turbine  
? Source Id: 69722  
? Author Ids: 55936425500;7006658135;35068505700;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Marinelli M.

204.

? Title: Bifurcation analysis and Chaos detection in power systems  
? Venue: Proceedings of the Universities Power Engineering Conference  
? Year: 2008  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 13  
? Doi: 10.1109/Upec.2008.4651499  
? Scopus ID: 2-s2.0-68949213004  
? Authors: Grillo S.; Massucco S.; Morini A.; Pitto A.; Silvestro F.  
? Source Id: 69722

? Author Ids: 24437542800;6603357712;7006658135;35068505700;23026343700

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

? Corresponding: Grillo S.

205.

? Title: A two-stage scheduler of distributed energy resources

? Venue: 2007 IEEE Lausanne Powertech Proceedings

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 21

? Doi: 10.1109/Pct.2007.4538654

? Scopus ID: 2-s2.0-50849131854

? Pages: 2168-2173

? Authors: Borghetti Alberto; Bosetti Mauro; Grillo Samuele; Morini Andrea; Paolone Mario; Silvestro Federico

? Keywords: Active distribution networks | Distributed generation | Economic dispatching | Optimal power-flow

? Source Id: 12100155509

? Author Ids: 57381372500;24280501800;24437542800;7006658135;6602935459;23026343700

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

? Corresponding: Borghetti A.

206.

? Title: An extensive Dynamic Security Assessment analysis on a large realistic electric power system

? Venue: 2007 IEEE Lausanne Powertech Proceedings

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1109/Pct.2007.4538331

? Scopus ID: 2-s2.0-50849100695

? Pages: 285-292

? Authors: Cirio D.; Gaglioti E.; Massucco S.; Pitto A.; Silvestro F.

? Keywords: Contingency analysis | Dynamic security assessment | Post-contingency violations | Transient stability assessment | Voltage stability assessment

? Source Id: 12100155509

? Author Ids: 6504625684;24779643600;6603357712;35068505700;23026343700

? Authoraffiliationids:

60081911;60081911;60000251-60025153;60000251-60025153;60000251-60025153

? Corresponding: Cirio D.

207.

? Title: On-line generation of synthetic information on voltage stability margins

? Venue: 2007 International Conference on Intelligent Systems Applications to Power Systems Isap

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Isap.2007.4441648

? Scopus ID: 2-s2.0-50249154170

? Authors: Lucarella D.; Massucco S.; Silvestro F.; Vimercati G.

? Keywords: Correlations | Data mining | Dynamic security assessment | Voltage stability assessment

? Source Id: 12100155378

? Author Ids: 56149082000;6603357712;23026343700;24438587400  
? Authoraffiliationids: 60081911;60000251-60025153;60000251-60025153;60081911  
? Corresponding: Lucarella D.

208.

? Title: An energy resource scheduler implemented in the automatic management system of a microgrid test facility  
? Venue: 2007 International Conference on Clean Electrical Power Icccep 07  
? Year: 2007  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 24  
? Doi: 10.1109/Icccep.2007.384193  
? Scopus ID: 2-s2.0-35348863041  
? Pages: 94-100  
? Authors: Borghetti A.; Bosetti M.; Bossi C.; Massucco S.; Micolano E.; Morini A.; Nucci C. A.; Paolone M.; Silvestro F.  
? Keywords: Central automatic scheduler | Distributed energy resources | LV distribution network | Microgrids  
? Source Id: 8200153102  
? Author Ids: 57381372500;24280501800;20336947400;6603357712;22835830400;7006658135;7006123266;6602935459;23026343700  
? Authoraffiliationids: 60028218;60028218;60081911;60025153;60081911;60025153;60028218;60028218;60081911  
? Corresponding: Borghetti A.

209.

? Title: Management of low voltage grids with high penetration of distributed generation: Concepts, implementations and experiments  
? Venue: 41st International Conference on Large High Voltage Electric Systems 2006 Cigre 2006  
? Year: 2006  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 42  
? Scopus ID: 2-s2.0-84876747820  
? Authors: Bertani A.; Borghetti A.; Bossi C.; Biase L. D.E.; Lamquet O.; Massucco S.; Morini A.; Nucci C. A.; Paolone M.; Quaia E.; Silvestro F.  
? Keywords: Dispatcher | Distributed generation | Load forecast | Low voltage distribution systems | Renewable energy forecast | Renewable energy sources | State estimation | Test facility  
? Source Id: 21100238654  
? Author Ids: 8275188700;57381372500;20336947400;57028424900;55229344000;6603357712;7006658135;7006123266;6602935459;55662013800;23026343700  
? Authoraffiliationids: 60083358;60028218;107134754;60030318;60083358;60025153;60025153;60028218;60028218;60030318;60025153  
? Corresponding: Bertani A.

210.

? Title: An innovative pluralistic load-frequency control scheme for the power flow control along corridors on the Italian border  
? Venue: 2006 IEEE Pes Power Systems Conference and Exposition Psce 2006 Proceedings  
? Year: 2006  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/Psce.2006.296278

? Scopus ID: 2-s2.0-81755184103  
? Pages: 2166-2173  
? Authors: Bruno C.; Massucco S.; Pitto A.; Pozzi M.; Sforna M.; Silvestro F.  
? Keywords: Critical sections | Pluralistic LFC scheme | Security control | Sensitivity analysis | Virtual control area  
? Source Id: 20500195201  
? Author Ids: 24779359400;6603357712;35068505700;7007025577;55903400800;23026343700  
? Authoraffiliationids: 60083358;60025153;60025153;60083358;60122257;60025153  
? Corresponding: Bruno C.

211.

? Title: ANN application for on-line power system security assessment  
? Venue: 2006 9th International Conference on Probabilistic Methods Applied to Power Systems Pmaps  
? Year: 2006  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Pmaps.2006.360263  
? Scopus ID: 2-s2.0-46149101535  
? Authors: Alessandri A.; Grillo S.; Massucco S.; Silvestro F.; Vimercati G.  
? Source Id: 11800154519  
? Author Ids: 7005735677;24437542800;6603357712;23026343700;24438587400  
? Authoraffiliationids: 60016217;60025153;60025153;60025153;60083358  
? Corresponding: Alessandri A.

212.

? Title: Information requirements and methods for characterising distributed generation  
? Venue: IEE Conference Publication  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Scopus ID: 2-s2.0-28644441324  
? Issn: 05379989  
? Volume: 4  
? Issue: 2005-11034  
? Pages: 77-81  
? Authors: Foote C. E.T.; Ault G. W.; Burt G. M.; McDonald J. R.; Silvestro F.  
? Source Id: 34914  
? Author Ids: 9742184600;7004110856;57804705300;7404233976;23026343700  
? Authoraffiliationids: 60024724;60024724;60024724;60024724;60025153  
? Corresponding: Foote C.E.T.

213.

? Title: Combined use of simulation and test site electrical networks for assessing and evaluating distributed generation possibilities and performances  
? Venue: IEE Conference Publication  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 7  
? Scopus ID: 2-s2.0-28644431887  
? Issn: 05379989  
? Volume: 4  
? Issue: 2005-11034  
? Pages: 271-276



? Authors: Bertani A.; Bossi C.; Fornari F.; Massucco S.; Morini A.; Silvestro F.  
? Source Id: 34914  
? Author Ids: 8275188700;20336947400;7004548236;6603357712;7006658135;23026343700  
? Authoraffiliationids: 60083358;60083358;60025153;60025153;60025153;60025153  
? Corresponding: Bertani A.

214.

? Title: Bidding strategy selection in a day-ahead electricity auction system  
? Venue: 2005 IEEE Russia Power Tech Powertech  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Ptc.2005.4524726  
? Scopus ID: 2-s2.0-51549092527  
? Authors: Borghetti A.; Silvestro F.; Massucco S.; Meini L.; Nucci C. A.; Paolone M.  
? Keywords: Bidding strategies | Electricity market | Game theory | Unit commitment  
? Source Id: 12100156719  
? Author Ids: 57381372500;23026343700;6603357712;8309819500;7006123266;6602935459  
? Authoraffiliationids: 60028218;60025153;60025153;60025153;60028218;60028218  
? Corresponding: Borghetti A.

215.

? Title: Advanced load-shedding methodology and architecture for normal and emergency operation of the italian power system  
? Venue: 2005 IEEE Power Engineering Society General Meeting  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 11  
? Scopus ID: 2-s2.0-27144513327  
? Volume: 2  
? Pages: 1563-1569  
? Authors: Giannuzzi G.; Lucarella D.; Massucco S.; Pozzi M.; Sforna M.; Silvestro F.  
? Keywords: Emergency control | Interruptible Loads | Load-Shedding | Preventive control | Security Assessment | Security Control  
? Source Id: 145717  
? Author Ids: 25936117900;6701448185;6603357712;7007025577;6602594657;23026343700  
? Authoraffiliationids: 60000251-112837687;60000251-60083358-100894423;60000251-60025153;60000251-60083358;60000251-112837687;60000251-60025153-101667292  
? Corresponding: Giannuzzi G.

216.

? Title: Application of an advanced Transient Stability assessment and control method to a realistic power system  
? Venue: 15th Power Systems Computation Conference Psc 2005  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Scopus ID: 2-s2.0-84982318918  
? Authors: Cirio D.; Lucarella D.; Vimercati G.; Massucco S.; Morini A.; Silvestro F.; Ernst D.; Pavella M.; Wehenkel L.  
? Keywords: Dynamic Security Assessment | Generation rescheduling | Preventive control | Transient Stability  
? Source Id: 21100775291  
? Author Ids: 6504625684;56149082000;24438587400;6603357712;7006658135;23026343700;7103

071727;7003590040;7003833861

? Authoraffiliationids:

60083358;60083358;60083358;60025153;60025153;60025153;60000964;60000964;60000964

? Corresponding: Cirio D.

217.

? Title: Electricity market strategy characterisation with fuzzy logic: Application to different types of power plants

? Venue: 2004 International Conference on Probabilistic Methods Applied to Power Systems

? Year: 2004

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-14544289006

? Pages: 356-361

? Authors: Massucco S.; Meini L.; Silvestro F.; Burt G.; Galloway S.; McDonald J.; Siewierski T.

? Keywords: Bidding Strategies | Decision Support Systems | Electricity Market | Fuzzy Logic

? Source Id: 145342

? Author Ids:

6603357712;8309819500;23026343700;57804705300;7102046532;7404233976;6505990022

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

? Corresponding: Massucco S.

218.

? Title: Load control for improving system security and economics

? Venue: 2003 IEEE Bologna Powertech Conference Proceedings

? Year: 2003

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 16

? Doi: 10.1109/Ptc.2003.1304788

? Scopus ID: 2-s2.0-62949159568

? Volume: 4

? Pages: 595-604

? Authors: Cirio D.; Demartini G.; Massucco S.; Morini A.; Scalera P.; Silvestro F.; Vimercati G.

? Keywords: Demand side management | Interruptible loads | Power system security | Power/frequency control

? Source Id: 21100496130

? Author Ids:

6504625684;6604065992;6603357712;7006658135;6505520628;23026343700;24438587400

? Authoraffiliationids: 60025153;60083358;60025153;60025153;60025153;60025153;60083358

? Corresponding: Cirio D.

219.

? Title: Opportunities and risks for distributed generation in the context of liberalised energy markets

? Venue: Engineering Intelligent Systems

? Year: 2003

? Type: Journal

? Subtype: Conference Paper

? Citations: 2

? Scopus ID: 2-s2.0-1142263993

? Issn: 14728915

? Volume: 11  
? Issue: 4  
? Pages: 169-175  
? Authors: Biffoni M.; De Rossi F.; Massucco S.; Silvestro F.; Burt G.; Galloway S.; McDonald J. R.  
? Keywords: Distributed Generation | Energy Market | Renewable Sources | Risk Management  
? Source Id: 78090  
? Author Ids:  
7004869482;56543249400;6603357712;23026343700;57804705300;7102046532;7404233976  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60024724;60024724;60024724  
? Corresponding: Biffoni M.

220.

? Title: Omases: A Dynamic Security Assessment tool for the new market environment  
? Venue: 2003 IEEE Bologna Powertech Conference Proceedings  
? Year: 2003  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 9  
? Doi: 10.1109/Ptc.2003.1304418  
? Scopus ID: 2-s2.0-84861510646  
? Volume: 3  
? Pages: 364-371  
? Authors: Bihain A.; Cirio D.; Fiorina M.; Lopez R.; Lucarella D.; Massucco S.; Ruiz Vega D.; Vournas C.; Van Cutsem T.; Wehenkel L.; Burt G.; Christoforides G.; Danelli A.; Delfino B.; Demartini G.; Galloway S.; Giri J.; Hasse G.; Hatziaargyriou N.; Georgiadis J. D.; Kabouris J.; Koronides T.; Manos G.; Mc Donald J. R.; Morini A.; Pavella M.; Signoretty L.; Siewierski T.; Silvestro F.; Stubbe M.; Taisne J.; Vimercati G.  
? Keywords: Dynamic Security Assessment | Market Simulator | Operator training simulator | Power System security | Transient Stability | Transmission capacity | Voltage Stability  
? Source Id: 21100202741  
? Author Ids: 6507462305;6504625684;59632762700;57198529315;56149082000;6603357712;6603002976;56227833100;7004004510;7003833861;57804705300;55229393100;6504456962;7003935351;6604065992;7102046532;7005125265;8281779600;35548793600;55956206300;56940444200;55967986600;7004913350;56923786500;7006658135;7003590040;55229393200;6505990022;23026343700;55883331800;7801491379;24438587400  
? Authoraffiliationids: 60069999;60025153;122893717;60011464;122893717;60025153;600000964;60002947;60000964;60000964;60024724;122894107;122893717;60025153;122893717;60024724;60011464;60000964;60002947;60002947;122894107;122894107;60002947;60024724;60025153;60000964;60011464;60024724;60025153;60069999;60011464;122893717  
? Corresponding: Bihain A.

221.

? Title: Operation and management of the electric system for industrial plants: An expert system prototype for load-shedding operator assistance  
? Venue: IEEE Transactions on Industry Applications  
? Year: 2001  
? Type: Journal  
? Subtype: Article  
? Citations: 19  
? Doi: 10.1109/28.924748  
? Scopus ID: 2-s2.0-0035330101  
? Issn: 00939994

? Volume: 37  
? Issue: 3  
? Pages: 701-708  
? Authors: Croce Franco; Delfino Bruno; Fazzini Pierangelo A.; Massucco Stefano; Morini Andrea; Silvestro Federico; Sivieri Massimiliano  
? Keywords: Adaptive control | Expert systems | Gas turbine generation | Industrial electrical systems | Load shedding  
? Quartile:  
2025:  
? Control and Systems Engineering (Q1, rank 38, percentile 90)  
? Electrical and Electronic Engineering (Q1, rank 102, percentile 89)  
? Industrial and Manufacturing Engineering (Q1, rank 49, percentile 88)  
? Source Id: 17361  
? Author Ids:  
7005521543;7003935351;7006142996;6603357712;7006658135;23026343700;6508140526  
? Authoraffiliationids:  
60084296;60025153;60084296;60000251-60025153;60025153;60025153;60084296  
? Corresponding: Croce F.

222.

? Title: Model validation and coordinated operation of a photovoltaic array and a diesel power plant for distributed generation  
? Venue: Proceedings of the IEEE Power Engineering Society Transmission and Distribution Conference  
? Year: 2001  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 28  
? DOI: 10.1109/pess.2001.970111  
? Scopus ID: 2-s2.0-0035791856  
? Issn: 21608555  
? eISSN: 21608563  
? Volume: 1  
? Issue: SUMMER  
? Pages: 626-631  
? Authors: Canever D.; Dudgeon G. J.W.; Massucco S.; Mc Donald J. R.; Silvestro F.  
? Keywords: Diesel power plants | Distributed generation renewable sources | Photovoltaic systems | Power system control | Standby generation  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q3, rank 670, percentile 32)  
? Source Id: 87075  
? Author Ids: 24779535400;6603599719;6603357712;56923786500;23026343700  
? Authoraffiliationids: 60025153;60024724;60025153;60024724;60025153  
? Corresponding: Canever D.

223.

? Title: Implementation and comparison of different under frequency load-shedding schemes  
? Venue: Proceedings of the IEEE Power Engineering Society Transmission and Distribution Conference  
? Year: 2001  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 167  
? DOI: 10.1109/pess.2001.970031

? Scopus ID: 2-s2.0-0035791774  
? Issn: 21608555  
? eISSN: 21608563  
? Volume: 1  
? Issue: SUMMER  
? Pages: 307-312  
? Authors: Delfino B.; Massucco S.; Morini A.; Scalera P.; Silvestro F.  
? Keywords: Adaptive power system control | Ancillary services | Emergency conditions | Frequency rate of change | Load-shedding | Spinning reserve  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q3, rank 670, percentile 32)  
? Source Id: 87075  
? Author Ids: 7003935351;6603357712;7006658135;6505520628;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Delfino B.

224.

? Title: Operation and management of the electric system for industrial plants: An expert system prototype for load-shedding operator assistance  
? Venue: Conference Record IAS Annual Meeting IEEE Industry Applications Society  
? Year: 2000  
? Type: Journal  
? Subtype: Article  
? Citations: 14  
? Doi: 10.1109/28.924748  
? Scopus ID: 2-s2.0-0034509167  
? Issn: 01972618  
? Volume: 5  
? Pages: 3260-3267  
? Authors: Croce Franco; Delfino Bruno; Fazzini Pierangelo A.; Massucco Stefano; Morini Andrea; Silvestro Federico; Sivieri Massimiliano  
? Quartile:  
2025:  
? Industrial and Manufacturing Engineering (Q4, rank 312, percentile 23)  
? Electrical and Electronic Engineering (Q4, rank 804, percentile 19)  
? Control and Systems Engineering (Q4, rank 332, percentile 12)  
? Source Id: 17898  
? Author Ids:  
7005521543;7003935351;7006142996;6603357712;7006658135;23026343700;6508140526  
? Authoraffiliationids: 60084296;60084296;60084296;60084296;60084296;60084296;60084296  
? Corresponding: Croce F.