MOSAICO GABRIELE

Overview
? Unit: ELE
? Role: Ricercatore
? Grade: Ricercatore t.d. art. 24 c. 3 lett. A Legge 240/10 (t.pieno)
? SSD: IIND-08/B (Sistemi elettrici per l'energia)
? Scopus ID: 57208723957
? Unige Id: 380029
? Retrieved at: 2025-11-14T15:15:42.174553

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? Locations: Opera Pia - padiglione D (ED161450401), 1´°piano, US161450401.I.028

Career
? Dr, 2018-11-01 ? 2021-10-31
? Cb, 2020-11-20 ? 2022-02-20
? Ar, 2021-11-02 ? 2023-01-31
? Rd, 2023-02-01 ? 2026-01-31

Teaching
2025
? Statistica Inferenziale (48384), L-35 - Statistica Matem. E Trattam. Informatico Dei Dati
? Simulazione, Previsione E Controllo Nell'Analisi Dei Sistemi Energetici: Aspetti Metodologici E Applicazioni - Raise Liguria (113562), Formazione Alla Cittadinanza
? Elementi Di Statistica Per Le Professioni Tecniche (108384), L-P03 - Tecnologie Industriali

2024
? Statistica Inferenziale (48384), L-35 - Statistica Matem. E Trattam. Informatico Dei Dati
? Simulazione, Previsione E Controllo Nell'Analisi Dei Sistemi Energetici: Aspetti Metodologici E Applicazioni - Raise Liguria (113562), Formazione Alla Cittadinanza
? Elementi Di Statistica Per Le Professioni Tecniche (108384), L-P03 - Tecnologie Industriali

2023
? Statistica Inferenziale (48384), L-35 - Statistica Matem. E Trattam. Informatico Dei Dati
? Simulazione, Previsione E Controllo Nell'Analisi Dei Sistemi Energetici: Aspetti Metodologici E Applicazioni - Raise Liguria (113562), Formazione Alla Cittadinanza
? Elementi Di Statistica Per Le Professioni Tecniche (108384), L-P03 - Tecnologie Industriali

2022
? Statistica Inferenziale (48384), L-35 - Statistica Matem. E Trattam. Informatico Dei Dati
? Elementi Di Statistica Per Le Professioni Tecniche (108384), L-P03 - Tecnologie Industriali

Scopus Metrics

? absolute; Docs: 17; Journals: 4; Conferences: 13; Citations: 155; H-index: 6
? 15 years (2010-2025); Docs: 17; Journals: 4; Conferences: 13; Citations: 155; H-index: 6
? 10 years (2015-2025); Docs: 17; Journals: 4; Conferences: 13; Citations: 155; H-index: 6
? 05 years (2020-2025); Docs: 14; Journals: 3; Conferences: 11; Citations: 93; H-index: 4

Scopus Products
1.
   ? 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.
2.
   ? Title: Two-Stage Stochastic Optimal Energy Management of Microgrids for Participation
    in Flexibility Markets
   ? Venue: IEEE Pes Innovative Smart Grid Technologies Europe Isgt Europe 2024
   ? Year: 2024
   ? Type: Conference Proceeding
   ? Subtype: Conference Paper
   ? Citations: 0
   ? Doi: 10.1109/Isgteurope62998.2024.10863134
   ? Scopus ID: 2-s2.0-86000032130
   ? Authors: Massucco S.; Mosaico G.; Saviozzi M.; Almaleck P.; Santarelli M.; Serra P.
   ? Keywords: flexibility services | microgrids | model predictive control | optimal
   energy management
   ? Source Id: 21101279501
   ? Author Ids: 6603357712;57208723957;56027556100;57211999394;57206208449;8246669600
   ? Authoraffiliationids: 60025153;60025153;60025153;119159635;119159635;119159635
   ? Corresponding: Massucco S.
3.
   ? Title: Development and Selection of Load Forecasting Techniques for Non-Residential
   Buildings
   ? Venue: Pmaps 2024 18th International Conference on Probabilistic Methods Applied to
   Power Systems
   ? Year: 2024
   ? Type: Conference Proceeding
   ? Subtype: Conference Paper
   ? Citations: 0
   ? Doi: 10.1109/Pmaps61648.2024.10667140
   ? Scopus ID: 2-s2.0-85204764443
   ? Authors: Massucco S.; Mosaico G.; Saviozzi M.; Almaleck P.; Santarelli M.; Serra P.
   ? Keywords: building management system | buildings | load demand | Load forecasting

    ? Source Id: 21101249904
    ? Author Ids: 6603357712;57208723957;56027556100;57211999394;57206208449;8246669600
    ? Authoraffiliationids: 60025153;60025153;60025153;119159635;119159635;119159635
    ? Corresponding: Massucco S.

4.
    ? 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.

5.
    ? Title: Modelling and optimal management of renewable energy communities using reversible solid oxide cells
    ? Venue: Applied Energy
    ? Year: 2023
    ? Type: Journal
    ? Subtype: Article
    ? Citations: 46
    ? DOI: 10.1016/j.apenergy.2023.120657
    ? Scopus ID: 2-s2.0-85146670642
    ? Issn: 03062619
    ? Volume: 334
    ? Authors: Bianchi F. R.; Bosio B.; Conte F.; Massucco S.; Mosaico G.; Natrella G.; Saviozzi M.
    ? Keywords: Green Hydrogen | Renewable Energy Communities | Reversible Solid Oxide Cells | Stochastic Model Predictive Control
    ? Quartile:
     2025:
     ? Management, Monitoring, Policy and Law (Q1, rank 6, percentile 98)

    ? Mechanical Engineering (Q1, rank 14, percentile 98)
    ? Building and Construction (Q1, rank 5, percentile 98)
    ? Energy (all) (Q1, rank 5, percentile 94)
    ? Renewable Energy, Sustainability and the Environment (Q1, rank 22, percentile 93)
    2023:
    ? Building and Construction (Q1, rank 1, percentile 99)
    ? Management, Monitoring, Policy and Law (Q1, rank 5, percentile 98)
    ? Mechanical Engineering (Q1, rank 12, percentile 98)
    ? Energy (all) (Q1, rank 4, percentile 95)
    ? Renewable Energy, Sustainability and the Environment (Q1, rank 15, percentile 94)
  ? Source Id: 28801
  ? Author Ids:
57214116004;55888255600;57151673600;6603357712;57208723957;57638571300;56027556100
  ? Authoraffiliationids: 60025153;60025153;60005308;60025153;60025153;60025153;60025153
  ? Corresponding: Bianchi F.R.

6.
  ? Title: Warm Start Fitted Q Reinforcement Learning for Electric Vehicle Depot Charging
  ? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe
  ? Year: 2023
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 0
  ? Doi: 10.1109/Isgteurope56780.2023.10408530
  ? Scopus ID: 2-s2.0-85187309136
  ? Authors: Massucco S.; Mosaico G.; Saviozzi M.; Almaleck P.; Santarelli M.; Serra P.
  ? Keywords: EV Charging | EV depot | Fitted Q-iteration | Reinforcement Learning
  ? Source Id: 21101206224
  ? Author Ids: 6603357712;57208723957;56027556100;57211999394;57206208449;8246669600
  ? Authoraffiliationids: 60025153;60025153;60025153;119159635;119159635;119159635
  ? Corresponding: Massucco S.

7.
  ? 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.

8.
  ? 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.
9.
? 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.
10.
? Title: Optimal Management of Renewable Generation and Uncertain Demand with Reverse Fuel Cells by Stochastic Model Predictive Control
? Venue: 2022 17th International Conference on Probabilistic Methods Applied to Power Systems Pmaps 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Pmaps53380.2022.9810605
? Scopus ID: 2-s2.0-85135098261
? Authors: Conte F.; Mosaico G.; Natrella G.; Saviozzi M.; Bianchi F. R.
? Keywords: Fuel Cells | Hydrogen | Renewable Energy Communities | Stochastic Model Predictive Control

11.
  ? 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.

12.
  ? 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.
13.
    ? 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.
14.
    ? 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.
15.
    ? 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.

16.
? Title: A hybrid methodology for the day-ahead PV forecasting exploiting a Clear Sky Model or Artificial Neural Networks
? Venue: Eurocon 2019 18th International Conference on Smart Technologies
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1109/Eurocon.2019.8861551
? Scopus ID: 2-s2.0-85074198808
? Authors: Mosaico Gabriele; Saviozzi Matteo
? Keywords: artificial neural networks | clear sky model | hybrid method | linear regression | PV forecasting
? Source Id: 21100933976
? Author Ids: 57208723957;56027556100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Mosaico G.

17.
? 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.