

# MINETTI MANUELA

## 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: 57210474295
- ? Unige Id: 409940
- ? Retrieved at: 2025-11-14T15:15:35.730947

## Contact

- ? Email: manuela.minetti@unige.it
- ? Page: <https://rubrica.unige.it/personale/UUNOUI5p>
- ? Locations: Opera Pia - padiglione D (ED161450401), 1° piano, US161450401.I.029

## Career

- ? Dr, 2019-11-01 ? 2022-10-31
- ? Cb, 2020-11-27 ? 2023-02-28
- ? Rd, 2023-10-01 ? 2026-09-30

## Teaching

### 2025

- ? Impianti Elettrici Navali (66118), L-9 - Ingegneria Navale
- ? Componenti E Sistemi Per La Produzione Elettrica (66320), L-9 - Ingegneria Dell'Energia
- ? Electromagnetic Power System Transients (118102), Lm-28 - Electrical Engineering For Energy Transition

### 2024

- ? Impianti Elettrici Navali (66118), L-9 - Ingegneria Navale
- ? Dinamica Delle Macchine Elettriche (56646), Lm-28 - Ingegneria Elettrica
- ? Componenti E Sistemi Per La Produzione Elettrica (66320), L-9 - Ingegneria Dell'Energia

### 2023

- ? Dinamica Delle Macchine Elettriche (56646), Lm-28 - Ingegneria Elettrica

## Scopus Metrics

- ? absolute; Docs: 34; Journals: 12; Conferences: 22; Citations: 261; H-index: 11
- ? 15 years (2010-2025); Docs: 34; Journals: 12; Conferences: 22; Citations: 261; H-index: 11
- ? 10 years (2015-2025); Docs: 34; Journals: 12; Conferences: 22; Citations: 261; H-index: 11
- ? 05 years (2020-2025); Docs: 32; Journals: 11; Conferences: 21; Citations: 230; H-index: 10

## Scopus Products

### 1.

- ? Title: Effects of fly ash pollution on urban photovoltaic microgrid operation
- ? Venue: Renewable Energy
- ? Year: 2025
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 1
- ? DOI: 10.1016/j.renene.2025.123649

? Scopus ID: 2-s2.0-105007529304  
? Issn: 09601481  
? eISSN: 18790682  
? Volume: 253  
? Authors: Radonjić Ivana; Petronijević Milutin P.; Dimitrijević Marko A.; Minetti Manuela; Procopio Renato  
? Keywords: Grid-forming inverter | Hybrid microgrid | PV module | Soiling | Urban photovoltaics  
? Quartile:  
2025:  
? Engineering (all) (Q1, rank 9, percentile 97)  
? Renewable Energy, Sustainability and the Environment (Q1, rank 31, percentile 90)  
? Source Id: 27569  
? Author Ids: 55197295400;14422928500;44260946400;57210474295;7801615894  
? Authoraffiliationids: 60068806;60068806;60068806;60025153;60025153  
? Corresponding: Radonjić I.

2.

? Title: A pattern recognition based tool for smart distribution networks reconfiguration  
? Venue: Electric Power Systems Research  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 2  
? DOI: 10.1016/j.epsr.2025.111890  
? Scopus ID: 2-s2.0-105007289954  
? Issn: 03787796  
? Volume: 248  
? Authors: Bonfiglio Andrea; La Fata Alice; Minetti Manuela  
? Keywords: Distribution grids | Energy transition | Pattern recognition | Renewable energy sources integration  
? 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: 36607521000;57434749400;57210474295  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

3.

? Title: Analytical load flow solution for radial distribution networks  
? Venue: Sustainable Energy Grids and Networks  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? DOI: 10.1016/j.segan.2025.101871  
? Scopus ID: 2-s2.0-105012395346  
? eISSN: 23524677  
? Volume: 43  
? Authors: Minetti Manuela; Procopio Renato; Bonfiglio Andrea  
? Keywords: Analytical load flow | Load flow analysis | Radial power distribution networks | Voltage drop formula  
? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q1, rank 131, percentile 86)
- ? Control and Systems Engineering (Q1, rank 52, percentile 86)
- ? Energy Engineering and Power Technology (Q1, rank 63, percentile 80)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 71)
- ? Source Id: 21100371258
- ? Author Ids: 57210474295;7801615894;36607521000
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Minetti M.

4.

- ? Title: Optimal inertia allocation in future transmission networks: A case study on the Italian grid
- ? Venue: Sustainable Energy Grids and Networks
- ? Year: 2025
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 3
- ? DOI: 10.1016/j.segan.2025.101676
- ? Scopus ID: 2-s2.0-86000324666
- ? eISSN: 23524677
- ? Volume: 42
- ? Authors: Minetti Manuela; Fresia Matteo; Procopio Renato; Bonfiglio Andrea; Denegri Gio Battista; Lisciandrello Giuseppe; Orr^, Luca
- ? Keywords: Grid Flexibilization | System Inertia | Transmission System
- ? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q1, rank 131, percentile 86)
- ? Control and Systems Engineering (Q1, rank 52, percentile 86)
- ? Energy Engineering and Power Technology (Q1, rank 63, percentile 80)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 71)
- ? Source Id: 21100371258
- ? Author Ids: 57210474295;57224008583;7801615894;36607521000;7004649825;57219972273;57220190197
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60122257;60122257
- ? Corresponding: Minetti M.

5.

- ? Title: Integrated Vehicle-to-Building and Vehicle-to-Home Services for Residential and Worksite Microgrids
- ? Venue: Smart Cities
- ? Year: 2025
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 2
- ? DOI: 10.3390/smartcities8030101
- ? Scopus ID: 2-s2.0-105009265177
- ? eISSN: 26246511
- ? Volume: 8
- ? Issue: 3
- ? Authors: Bonfiglio Andrea; Minetti Manuela; Loggia Riccardo; Mascioli Lorenzo Frattale; Golino Andrea; Moscatiello Cristina; Martirano Luigi
- ? Keywords: electric vehicle | microgrids | vehicle to building | vehicle to home | virtual storage partitioning
- ? Quartile:

2025:

? Urban Studies (Q1, rank 5, percentile 98)  
? Electrical and Electronic Engineering (Q1, rank 64, percentile 93)  
? Artificial Intelligence (Q1, rank 56, percentile 88)  
? Source Id: 21101068929  
? Author Ids:  
36607521000;57210474295;57490153900;58867232000;59965456100;57193652333;6602297955  
? Authoraffiliationids: 60025153;60025153;60032350;60032350;60032350;60032350;60032350  
? Corresponding: Bonfiglio A.

- 6.
- ? Title: Renewable energy communities virtual islanding: A decentralized service to improve distribution grid security  
? Venue: Sustainable Energy Grids and Networks  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 3  
? DOI: 10.1016/j.segan.2025.101700  
? Scopus ID: 2-s2.0-105001489606  
? eISSN: 23524677  
? Volume: 42  
? Authors: Velini Angelo; Minetti Manuela; Bruno Sergio; Bonfiglio Andrea; Procopio Renato; La Scala Massimo  
? Keywords: Distribution system operation | Energy transition | Grid services | Renewable energy communities | Virtual islanding  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 131, percentile 86)  
? Control and Systems Engineering (Q1, rank 52, percentile 86)  
? Energy Engineering and Power Technology (Q1, rank 63, percentile 80)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 71)  
? Source Id: 21100371258  
? Author Ids: 59210230800;57210474295;7101968133;36607521000;7801615894;56962766200  
? Authoraffiliationids: 60027299;60025153;60027299;60025153;60025153;60027299  
? Corresponding: Velini A.

- 7.
- ? Title: Assessment of Power Generators Disturbance Response Compliancy to Grid Code Requirements  
? Venue: 2025 IEEE Kiel Powertech Powertech 2025  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? DOI: 10.1109/PowerTech59965.2025.11180729  
? Scopus ID: 2-s2.0-105019291954  
? Authors: Minetti Manuela; Osama Khalid; Tuckey Andrew; Bonfiglio Andrea  
? Keywords: Disturbance response | Grid codes | Inverter based source | Settling time evaluation | Synchronous generator  
? Source Id: 21101341419  
? Author Ids: 57210474295;60103566900;59016060200;36607521000  
? Authoraffiliationids: 60025153;128429246;128429246;127836471  
? Corresponding: Minetti M.

- 8.
- ? Title: Energy Optimization Algorithms Integrated in Residential Microgrid With PV, Storage and EVS

? 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/ICPSEurope64998.2025.11169204

? Scopus ID: 2-s2.0-105019046875

? Authors: Mascioli Lorenzo Frattale; Golino Andrea; Menichelli Roberto; Loggia Riccardo; Moscatiello Cristina; Falvo Maria Carmen; Bonfiglio Andrea; Minetti Manuela; Martirano Luigi

? Keywords: battery energy storage | home energy management system | microgrid | self-consumption | vehicle-to-grid

? Source Id: 21101340466

? Author Ids: 58867232000;59965456100;59470683100;57490153900;57193652333;15622947700;36607521000;57210474295;6602297955

? Authoraffiliationids:

60032350;60032350;60032350;60032350;60032350;60032350;60025153;60025153;60032350

? Corresponding: Mascioli L.F.

9.

? Title: Reinforcement Learning Algorithms to Optimize the Integration of Electric Vehicle Services Into Power Systems

? 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/ICPSEurope64998.2025.11169060

? Scopus ID: 2-s2.0-105019041183

? Authors: Bonfiglio Andrea; La Fata Alice; Loggia Riccardo; Martirano Luigi; Minetti Manuela

? Keywords: Reinforcement Learning | Vehicle-to-Grid | Vehicle-to-Home

? Source Id: 21101340466

? Author Ids: 36607521000;60145491200;57490153900;6602297955;57210474295

? Authoraffiliationids: 60025153;60025153;108398862;108398862;60025153

? Corresponding: Bonfiglio A.

10.

? Title: The Impact of Vehicle to Home Services on Electric Vehicles Total Cost of Ownership

? 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/ICPSEurope64998.2025.11169020

? Scopus ID: 2-s2.0-105019039867

? Authors: Bonfiglio Andrea; Loggia Riccardo; Martino Maria; Martirano Luigi; Minetti Manuela

? Keywords: Total Cost of Ownership | Vehicle to Home | Virtual Partitioning Algorithm

? Source Id: 21101340466

? Author Ids: 36607521000;57490153900;59210049100;6602297955;57210474295

? Authoraffiliationids: 60025153;108398862;60025153;108398862;60025153

? Corresponding: Bonfiglio A.

11.

? Title: Vehicle-to-Grid and Vehicle-to-Building Systems Integrated in Smart

Infrastructures: A Comprehensive Review of Technologies, Challenges and Opportunities

? Venue: 2025 International Conference on Clean Electrical Power Iccep 2025

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Iccep65222.2025.11143653

? Scopus ID: 2-s2.0-105016625608

? Pages: 631-645

? Authors: Mascioli Lorenzo Frattale; Golino Andrea; Loggia Riccardo; Bonfiglio Andrea; Minetti Manuela; Palma Alessandro Lorenzo; Moscatiello Cristina; Falvo Maria Carmen; Martirano Luigi

? Keywords: electric vehicle | machine learning | V2G | V2X | vehicle-to-everything | vehicle-to-grid

? Source Id: 21101333300

? Author Ids: 58867232000;59965456100;57490153900;36607521000;57210474295;56448077100;57193652333;15622947700;6602297955

? Authoraffiliationids:

60032350;60032350;60032350;60025153;60025153;60019637;60032350;60032350;60032350

? Corresponding: Mascioli L.F.

12.

? Title: A Machine Learning Algorithm to Minimize Distribution Lines Overloads

? Venue: Conference Record Industrial and Commercial Power Systems Technical Conference

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Icps64254.2025.11030361

? Scopus ID: 2-s2.0-105009073851

? Issn: 21584893

? eISSN: 21584907

? Authors: Bonfiglio Andrea; La Fata Alice; Minetti Manuela

? Keywords: Distribution Grids | Machine Learning | Network Reconfiguration | Renewable Energy Sources

? Quartile:

2025:

? Engineering (all) (Q3, rank 177, percentile 49)

? Source Id: 21101233878

? Author Ids: 36607521000;57434749400;57210474295

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bonfiglio A.

13.

? Title: Vehicle-to-Home Service via Electric Vehicle Energy Storage Virtual Partitioning

? Venue: IEEE Transactions on Industry Applications

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 5  
? Doi: 10.1109/Tia.2025.3556807  
? Scopus ID: 2-s2.0-105002620196

? Issn: 00939994  
? eISSN: 19399367  
? Volume: 61  
? Issue: 5  
? Pages: 7790-7802

? Authors: Bonfiglio Andrea; Minetti Manuela; Procopio Renato  
? Keywords: Electric storage | electric vehicles | energy transition | vehicle to home  
| virtual storage partitioning

? 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: 36607521000;57210474295;7801615894

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bonfiglio A.

14.

? Title: A Techno-Economic Assessment to Define Inertia Needs of the Italian Transmission Network in the 2030 Energy Scenario

? Venue: IEEE Transactions on Power Systems

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 17

? Doi: 10.1109/Tpwrs.2023.3331178

? Scopus ID: 2-s2.0-85177074761

? Issn: 08858950

? eISSN: 15580679

? Volume: 39

? Issue: 3

? Pages: 5050-5061

? Authors: Fresia Matteo; Minetti Manuela; Rosini Alessandro; Procopio Renato;  
Bonfiglio Andrea; Invernizzi Marco; Denegri Gio Battista; Lisciandrello Giuseppe; Orru  
Luca

? Keywords: Grid flexibilization | system inertia | transmission system

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 36, percentile 96)  
? Energy Engineering and Power Technology (Q1, rank 17, percentile 94)

2024:

? Electrical and Electronic Engineering (Q1, rank 39, percentile 96)  
? Energy Engineering and Power Technology (Q1, rank 18, percentile 94)

? Source Id: 28825

? Author Ids: 57224008583;57210474295;57204050700;7801615894;36607521000;6701527755;700  
4649825;57219972273;57220190197

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60025153;60025153;60122257;60122257

? Corresponding: Fresia M.

15.

? Title: Load Flow Assignments? Definition from Day-Ahead Electricity Market

## Interconnection Power Flows: A Study for Transmission Networks

? Venue: Energies  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 7  
? DOI: 10.3390/en17061391  
? Scopus ID: 2-s2.0-85188744843  
? eISSN: 19961073  
? Volume: 17  
? Issue: 6  
? Authors: Fresia Matteo; Minetti Manuela; Procopio Renato; Bonfiglio Andrea; Lisciandrello Giuseppe; Orr^, Luca  
? Keywords: grid flexibilization | load flow | optimization algorithm | transmission system  
? Quartile:  
2025:  
? Control and Optimization (Q1, rank 11, percentile 94)  
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)  
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)  
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)  
? Fuel Technology (Q2, rank 40, percentile 70)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)  
? Energy (miscellaneous) (Q2, rank 39, percentile 64)  
2024:  
? Control and Optimization (Q1, rank 15, percentile 90)  
? Engineering (miscellaneous) (Q1, rank 39, percentile 85)  
? Electrical and Electronic Engineering (Q1, rank 173, percentile 82)  
? Energy Engineering and Power Technology (Q1, rank 73, percentile 75)  
? Fuel Technology (Q2, rank 38, percentile 71)  
? Energy (miscellaneous) (Q2, rank 32, percentile 68)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 105, percentile 64)  
? Source Id: 62932  
? Author Ids: 57224008583;57210474295;7801615894;36607521000;57219972273;57220190197  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60122257;60122257  
? Corresponding: Fresia M.

16.

? Title: Problem-Based Learning Activity for Electrical Engineering: Unconventional Load Flow Assignments  
? Venue: 2024 7th IEEE International Humanitarian Technologies Conference Ihtc 2024  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Ihtc61819.2024.10855021  
? Scopus ID: 2-s2.0-85217848478  
? Authors: Minetti Manuela; Bonfiglio Andrea  
? Keywords: Engineering education | Jigsaw | Synchronous Machines models | Transient stability  
? Source Id: 21101274824  
? Author Ids: 57210474295;36607521000  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Minetti M.

17.

? Title: A Dynamic Controller for Reactive Power and Voltage Regulation in Islanded Microgrids  
? Venue: IEEE Power and Energy Society General Meeting  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Pesgm51994.2024.10761100  
? Scopus ID: 2-s2.0-85212697988  
? Issn: 19449925  
? eISSN: 19449933  
? Authors: Minetti Manuela; Bonfiglio Andrea; Procopio Renato; Fresia Matteo  
? Keywords: droop control | Grid-Supporting inverter | Microgrid | primary regulation | reactive power sharing  
? 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: 57210474295;36607521000;7801615894;57224008583  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Minetti M.

18.

? Title: A Jigsaw Approach for Electrical Engineering: Transient Stability Analysis of a Synchronous Machine  
? 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/ICPSEurope61470.2024.10751020  
? Scopus ID: 2-s2.0-85211955503  
? Authors: Minetti Manuela  
? Keywords: Engineering education | Jigsaw | Synchronous Machines models | Transient stability  
? Source Id: 21101263912  
? Author Ids: 57210474295  
? Authoraffiliationids: 60025153  
? Corresponding: Minetti M.

19.

? Title: Electric Vehicle Battery Virtual Partitioning Algorithm for Residential Vehicle-to-Home Service  
? Venue: 2024 International Conference on Smart Energy Systems and Technologies Driving the Advances for Future Electrification Sest 2024 Proceedings  
? Year: 2024

? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Sest61601.2024.10694541  
? Scopus ID: 2-s2.0-85207661354  
? Authors: Bonfiglio Andrea; Minetti Manuela; Procopio Renato  
? Keywords: Electric Storage | Energy Transition | Vehicle to Home | Virtual Storage Partitioning  
? Source Id: 21101256226  
? Author Ids: 36607521000;57210474295;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

20.

? Title: Optimal Sizing of Battery Energy Storage Systems for Renewable Energy Integration in Energy Communities  
? Venue: Proceedings 2024 11th International Conference on Electrical Electronic and Computing Engineering Icetran 2024  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? DOI: 10.1109/IcETRAN62308.2024.10645110  
? Scopus ID: 2-s2.0-85204074005  
? Authors: Minetti Manuela; Bonfiglio Andrea; Procopio Renato; Petronijevic Milutin P.; Radonjic Ivana  
? Keywords: Battery Energy Storage System | Curtailment | Optimal Sizing | Renewable Energy Community  
? Source Id: 21101248521  
? Author Ids: 57210474295;36607521000;7801615894;14422928500;55197295400  
? Authoraffiliationids: 60025153;60025153;60025153;60068806;60068806  
? Corresponding: Minetti M.

21.

? Title: Power Systems Modelling and Digital Twins for Real Time Simulations  
? Venue: 2024 IEEE 22nd Mediterranean Electrotechnical Conference MELECON 2024  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/Melecon56669.2024.10608662  
? Scopus ID: 2-s2.0-85201733359  
? Pages: 162-167  
? Authors: Minetti Manuela; Bonfiglio Andrea; Benfatto Ivone; Yulong Ye; Fresia Matteo  
? Keywords: Digital Twin | Power System modeling | Real Time simulation  
? Source Id: 21101243574  
? Author Ids: 57210474295;36607521000;6603638168;58487135800;57224008583  
? Authoraffiliationids: 60025153;60025153;60002062;60002062;60025153  
? Corresponding: Minetti M.

22.

? Title: RoCoF Mitigation in the Italian Transmission Network: a Methodology for Inertia Optimization  
? Venue: 2024 IEEE 22nd Mediterranean Electrotechnical Conference MELECON 2024  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper

? Citations: 7  
? Doi: 10.1109/Melecon56669.2024.10608532  
? Scopus ID: 2-s2.0-85201729726  
? Pages: 424-429  
? Authors: Fresia Matteo; Minetti Manuela; Bonfiglio Andrea; Procopio Renato; Lisciandrello Giuseppe; Orr^, Luca  
? Keywords: Grid Flexibilization | System Inertia | Transmission System  
? Source Id: 21101243574  
? Author Ids: 57224008583;57210474295;36607521000;7801615894;57219972273;57220190197  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60122257;60122257  
? Corresponding: Fresia M.

23.

? Title: Vehicle-to-Home Service Via Electric Vehicle Energy Storage Virtual Partitioning  
? Venue: Conference Record Industrial and Commercial Power Systems Technical Conference  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Icps60943.2024.10563283  
? Scopus ID: 2-s2.0-85197917872  
? Issn: 21584893  
? eISSN: 21584907  
? Authors: Bonfiglio Andrea; Minetti Manuela; Procopio Renato  
? Keywords: Electric Storage | Electric Vehicles | Energy Transition | Vehicle to Home | Virtual Storage Partitioning  
? Quartile:  
2025:  
? Engineering (all) (Q3, rank 177, percentile 49)  
2024:  
? Engineering (all) (Q3, rank 251, percentile 27)  
? Source Id: 21101233878  
? Author Ids: 36607521000;57210474295;7801615894  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

24.

? Title: Renewable Energy Communities Virtual Islanding: A Novel Service for Smart Distribution Networks  
? Venue: Conference Record Industrial and Commercial Power Systems Technical Conference  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 18  
? Doi: 10.1109/Icps60943.2024.10563712  
? Scopus ID: 2-s2.0-85197900030  
? Issn: 21584893  
? eISSN: 21584907  
? Authors: Bonfiglio Andrea; Bruno Sergio; Martino Maria; Minetti Manuela; Procopio Renato; Velini Angelo  
? Keywords: Distribution System Operation | Energy Transition | Grid Services | Renewable Energy Communities | Virtual Islanding  
? Quartile:  
2025:  
? Engineering (all) (Q3, rank 177, percentile 49)

2024:

- ? Engineering (all) (Q3, rank 251, percentile 27)
- ? Source Id: 21101233878
- ? Author Ids: 36607521000;7101968133;59210049100;57210474295;7801615894;59210230800
- ? Authoraffiliationids: 60025153;60027299;60025153;60025153;60025153;60027299
- ? Corresponding: Bonfiglio A.

25.

? Title: Strategies for Real-Time Simulation of Central Solenoid ITER Power Supply

Digital Twin

? Venue: Energies

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 15

? DOI: 10.3390/en16135107

? Scopus ID: 2-s2.0-85164833668

? eISSN: 19961073

? Volume: 16

? Issue: 13

? Authors: Minetti Manuela; Bonfiglio Andrea; Benfatto Ivone; Yulong Ye

? Keywords: decoupling lines | digital twin | explicit partitioning | ITER power supply

| real-time 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)

2023:

? Control and Optimization (Q1, rank 19, percentile 85)

? Engineering (miscellaneous) (Q1, rank 36, percentile 82)

? Electrical and Electronic Engineering (Q2, rank 200, percentile 74)

? Energy Engineering and Power Technology (Q2, rank 78, percentile 71)

? Fuel Technology (Q2, rank 40, percentile 69)

? Energy (miscellaneous) (Q2, rank 25, percentile 68)

? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 62)

? Source Id: 62932

? Author Ids: 57210474295;36607521000;6603638168;58487135800

? Authoraffiliationids: 60025153;60025153;60002062;60002062

? Corresponding: Minetti M.

26.

? Title: Inertia Requirements Assessment for the Italian Transmission Network in the Future Network Scenario

? Venue: 2023 IEEE Belgrade Powertech Powertech 2023

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 23

? DOI: 10.1109/PowerTech55446.2023.10202846

? Scopus ID: 2-s2.0-85169473933

? Authors: Bonfiglio Andrea; Fresia Matteo; Minetti Manuela; Procopio Renato; Rosini

Alessandro; Lisciandrello Giuseppe; Orr^, Luca

? Keywords: Grid Flexibilization | System Inertia | Transmission System

? Source Id: 21101175266

? Author Ids:

36607521000;57224008583;57210474295;7801615894;57204050700;57219972273;57220190197

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60122257;60122257

? Corresponding: Bonfiglio A.

27.

? Title: An Advanced Droop Control Strategy for Reactive Power Assessment in Islanded Microgrids

? Venue: IEEE Transactions on Power Systems

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 33

? Doi: 10.1109/Tpwrs.2021.3124062

? Scopus ID: 2-s2.0-85118685518

? Issn: 08858950

? eISSN: 15580679

? Volume: 37

? Issue: 4

? Pages: 3014-3025

? Authors: Minetti Manuela; Rosini Alessandro; Denegri Gio Battista; Bonfiglio Andrea; Procopio Renato

? Keywords: droop control | inverter control | Microgrid | primary control | reactive power sharing

? Quartile:

2025:

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

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

2022:

? Electrical and Electronic Engineering (Q1, rank 30, percentile 96)

? Energy Engineering and Power Technology (Q1, rank 14, percentile 94)

? Source Id: 28825

? Author Ids: 57210474295;57204050700;7004649825;36607521000;7801615894

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

? Corresponding: Minetti M.

28.

? Title: A Contribution to Reactive Power Control in Inverter Based Islanded Microgrids

? Venue: IEEE Power and Energy Society General Meeting

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Doi: 10.1109/Pesgm48719.2022.9916941

? Scopus ID: 2-s2.0-85141509462

? Issn: 19449925

? eISSN: 19449933

? Volume: 2022-July

? Authors: Rosini Alessandro; Minetti Manuela; Denegri Gio Battista; Procopio Renato; Bonfiglio Andrea

? Keywords: Droop control | Inverter control | Microgrid | Primary Control | Reactive Power Sharing

? 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: 57204050700;57210474295;7004649825;7801615894;36607521000
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Rosini A.

29.

- ? Title: Simplified Conditions for the Evaluation of Droop-Controlled Microgrids Stability
- ? Venue: 12th International Symposium on Advanced Topics in Electrical Engineering Atene 2021
- ? Year: 2021
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 12
- ? Doi: 10.1109/Atee52255.2021.9425145
- ? Scopus ID: 2-s2.0-85106721839
- ? Authors: Minetti Manuela; Fresia Matteo
- ? Keywords: Microgrids | Smart grids | Stability
- ? Source Id: 21101046723
- ? Author Ids: 57210474295;57224008583
- ? Authoraffiliationids: 60025153;60025153
- ? Corresponding: Minetti M.

30.

- ? Title: An MPC approach for a PV-BESS islanded system primary regulation
- ? Venue: 21st IEEE International Conference on Environment and Electrical Engineering and 2021 5th IEEE Industrial and Commercial Power System Europe Eeeic I and Cps Europe 2021 Proceedings
- ? Year: 2021
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 23
- ? DOI: 10.1109/EEEIC/ICPSEurope51590.2021.9584533
- ? Scopus ID: 2-s2.0-85126482806
- ? Authors: Minetti Manuela; Fresia Matteo; Mestriner Daniele
- ? Keywords: Inverter control | Microgrid | MPC | Photovoltaic Unit | Storage
- ? Source Id: 21101080908
- ? Author Ids: 57210474295;57224008583;57115575100
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Minetti M.

31.

- ? Title: A Review of Primary and Secondary Control for Islanded No-Inertia Microgrids
- ? Venue: 21st IEEE International Conference on Environment and Electrical Engineering and 2021 5th IEEE Industrial and Commercial Power System Europe Eeeic I and Cps Europe 2021 Proceedings
- ? Year: 2021
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 21
- ? DOI: 10.1109/EEEIC/ICPSEurope51590.2021.9584722
- ? Scopus ID: 2-s2.0-85126432170

? Authors: Minetti Manuela; Fresia Matteo  
? Keywords: Microgrids | Smart grids | Stability  
? Source Id: 21101080908  
? Author Ids: 57210474295;57224008583  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Minetti M.

32.

? Title: New Approaches to Reactive Power Sharing and Voltage Control in Islanded AC Microgrids  
? Venue: Upec 2020 2020 55th International Universities Power Engineering Conference Proceedings  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 17  
? Doi: 10.1109/Upec49904.2020.9209864  
? Scopus ID: 2-s2.0-85095590938  
? Authors: Minetti Manuela; Denegri Gio Battista; Rosini Alessandro  
? Keywords: Droop control | Inverter control | Microgrid | Primary Control | Reactive Power Sharing  
? Source Id: 21101026895  
? Author Ids: 57210474295;7004649825;57204050700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Minetti M.

33.

? Title: Reactive Power Sharing Analysis in Islanded AC Microgrids  
? Venue: Proceedings 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2019  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 18  
? Doi: 10.1109/Eeeic.2019.8783374  
? Scopus ID: 2-s2.0-85070795130  
? Authors: Rosini Alessandro; Minetti Manuela; Denegri Gio Battista; Invernizzi Marco  
? Keywords: Droop control | Inverter control | Microgrid | Primary Control | Reactive Power Sharing  
? Source Id: 21100924363  
? Author Ids: 57204050700;57210474295;7004649825;6701527755  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Rosini A.

34.

? Title: A simplified study for reactive power management in autonomous microgrids  
? Venue: Wseas Transactions on Power Systems  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 13  
? Scopus ID: 2-s2.0-85076252294  
? Issn: 17905060  
? eISSN: 2224350X  
? Volume: 14  
? Pages: 107-112

? Authors: Rosini A.; Bonfiglio A.; Mestriner D.; Minetti M.; Bracco S.

? Keywords: Autonomous microgrids | Microgrids | Power electronic converters | Power management | Reactive power | Voltage control

? Quartile:

2025:

? Industrial and Manufacturing Engineering (Q3, rank 240, percentile 41)

? Electrical and Electronic Engineering (Q3, rank 621, percentile 37)

2019:

? Subject (Q2, rank 456, percentile 54)

? Subject (Q3, rank 128, percentile 36)

? Subject (Q3, rank 259, percentile 34)

? Subject (Q3, rank 912, percentile 26)

? Industrial and Manufacturing Engineering (Q4, rank 261, percentile 23)

? Source Id: 19700190300

? Author Ids: 57204050700;36607521000;57115575100;57210474295;15049159900

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

? Corresponding: Rosini A.