

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

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? 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: Radonji? Ivana; Petronijevi? Milutin P.; Dimitrijevi? 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: Radonji? 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; Orrì, 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;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 Icccep 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Icccep65222.2025.11143653
? 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;7004649825;57219972273;57220190197
? Authoraffiliationids:
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; Orrì, 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 Iccetran 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/lcps60943.2024.10563283
? 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/lcps60943.2024.10563712
? 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/Tpws.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 Atee 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.