

# MARCHESONI MARIO

## Overview

- ? Unit: ELE
- ? Role: Professore ordinario
- ? Grade: Prof.Ordinario DPR 232/11 art.2 - t.pieno - cl. 6
- ? SSD: IIND-08/A (Convertitori, macchine e azionamenti elettrici)
- ? Scopus ID: 6701827441
- ? Unige Id: 053899
- ? Retrieved at: 2025-11-14T15:15:01.372908

## Contact

- ? Email: mario.marchesoni@unige.it
- ? Phone: +39 010 33 52183
- ? Page: <https://rubrica.unige.it/personale/VUZEU1Ng>
- ? Locations: Opera Pia - padiglione D (ED161450401), 1° piano, US161450401.I.013

## Career

- ? Po, 2012-11-30 ? 2222-02-02

## Responsibilities

- ? Title: Coordinatore del dottorato di ricerca
- ? Unit: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN
- ? Period: 2023-11-01 ? 2026-10-31
  
- ? Title: Coordinatore del dottorato di ricerca
- ? Unit: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN
- ? Period: 2024-11-01 ? 2027-10-31

## Teaching

### 2025

- ? Elementi Di Macchine Elettriche E Conversione Dell'Energia Elettrica (107823), L-P03 - Tecnologie Industriali
- ? Elementi Di Conversione Statica Dell'Energia (107824), L-P03 - Tecnologie Industriali
- ? Advanced Control For Power Electronics (118110), Lm-28 - Electrical Engineering For Energy Transition

### 2024

- ? Controlli Per Azionamenti Elettrici Digitali (106722), Lm-28 - Ingegneria Elettrica

### 2023

- ? Controlli Per Azionamenti Elettrici Digitali (106722), Lm-28 - Ingegneria Elettrica

### 2022

- ? Controlli Per Azionamenti Elettrici Digitali (106722), Lm-28 - Ingegneria Elettrica

### 2021

- ? Controlli Per Azionamenti Elettrici Digitali (106722), Lm-28 - Ingegneria Elettrica

### 2020

- ? Controlli Per Azionamenti Elettrici (56639), Lm-28 - Ingegneria Elettrica

## Scopus Metrics

- ? absolute; Docs: 151; Journals: 52; Conferences: 97; Citations: 4220; H-index: 27
- ? 15 years (2010-2025); Docs: 93; Journals: 37; Conferences: 55; Citations: 1165; H-index: 18
- ? 10 years (2015-2025); Docs: 71; Journals: 36; Conferences: 34; Citations: 886; H-index: 15
- ? 05 years (2020-2025); Docs: 42; Journals: 23; Conferences: 19; Citations: 226; H-index: 9

## Scopus Products

1.
  - ? Title: Efficiency Performance of 7-Level Multiplexed and 3-Level Neutral Point Clamped (NPC) Converters
  - ? Venue: Energies
  - ? Year: 2025
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 0
  - ? DOI: 10.3390/en18092161
  - ? Scopus ID: 2-s2.0-105004856805
  - ? eISSN: 19961073
  - ? Volume: 18
  - ? Issue: 9
  - ? Authors: Hussain Shafquat; Cocco Simone; Passalacqua Massimiliano; Vaccaro Luis Ramon; Formentini Andrea; Marchesoni Mario
  - ? Keywords: balancing of flying capacitors | conduction losses | efficiency | multiplexed multilevel converter | neutral point clamped converter | switching losses | three phase
  - ? 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)
    - ? Source Id: 62932
    - ? Author Ids: 57225936087;57324695200;57195070159;21935399500;55370605300;6701827441
    - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
    - ? Corresponding: Hussain S.
2.
  - ? Title: Synchronous DTC for torque sub-harmonic reduction in low switching frequency induction motor drives
  - ? Venue: Control Engineering Practice
  - ? Year: 2025
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 3
  - ? DOI: 10.1016/j.conengprac.2024.106133
  - ? Scopus ID: 2-s2.0-85207857965
  - ? Issn: 09670661
  - ? Volume: 154
  - ? Authors: Benevieri A.; Marchesoni M.; Passalacqua M.; Pozzobon P.; Vaccaro L.

? Keywords: DTC | High power | Induction motor | Low frequency ripple torque | Synchronous modulation

? Quartile:

2025:

? Applied Mathematics (Q1, rank 28, percentile 95)

? Electrical and Electronic Engineering (Q1, rank 143, percentile 85)

? Control and Systems Engineering (Q1, rank 58, percentile 84)

? Computer Science Applications (Q1, rank 171, percentile 82)

? Source Id: 18174

? Author Ids: 57226763007;6701827441;57195070159;6601994662;21935399500

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

? Corresponding: Benevieri A.

3.

? Title: Sensorless Control of Medium Voltage Induction Motor With LC Filter and Long Cable in Oil Pump Applications

? Venue: IEEE Transactions on Energy Conversion

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 2

? Doi: 10.1109/Tec.2024.3433590

? Scopus ID: 2-s2.0-85199493229

? Issn: 08858969

? eISSN: 15580059

? Volume: 40

? Issue: 1

? Pages: 3-15

? Authors: Carbone Lorenzo; Marchesoni Mario; Passalacqua Massimiliano; Postiglione Gianluca; Vaccaro Luis; Vitaloni Carlo

? Keywords: induction motor | Iuenberger observer | Medium voltage (MV) | oil pump application | sensorless control

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 62, percentile 93)

? Energy Engineering and Power Technology (Q1, rank 30, percentile 90)

? Source Id: 28824

? Author Ids: 57324886200;6701827441;57195070159;15623703800;21935399500;59233388900

? Authoraffiliationids: 60025153;60025153;60025153;132274478;60025153;132274478

? Corresponding: Carbone L.

4.

? Title: A Fast Model-Based Control for a Double-Input Three-Switch Bidirectional DC-DC Converter

? Venue: IEEE Transactions on Industry Applications

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? Doi: 10.1109/Tia.2025.3618221

? Scopus ID: 2-s2.0-105018374326

? Issn: 00939994

? eISSN: 19399367

? Authors: Benevieri A.; Passalacqua M.; Formentini A.; Vaccaro L.; Marchesoni M.

? 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: 57226763007;57195070159;55370605300;21935399500;6701827441  
? Corresponding: Benevieri A.

- 5.
- ? Title: Comparative Analysis of PEM Cells Under Different Operating Conditions  
? Venue: 2025 International Conference on Clean Electrical Power Iccep 2025  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Iccep65222.2025.11143775  
? Scopus ID: 2-s2.0-105016699228  
? Pages: 798-802  
? Authors: Mellado Nicolas; Benevieri Alessandro; Carrasco Claudia; Marchesoni Mario; Moran Luis; Vaccaro Luis  
? Keywords: electrolyzer degradation | intermittent operation | minimum current operation | PEM water electrolyzer  
? Source Id: 21101333300  
? Author Ids: 60109262400;57226763007;7004451923;6701827441;57189078954;21935399500  
? Authoraffiliationids: 60025153;60025153;60001282;60001282;60001282;60025153  
? Corresponding: Mellado N.

- 6.
- ? Title: Hybrid Energy Storage Systems for Plug-in Fuel Cell Electric Vehicle  
? Venue: 2025 International Conference on Clean Electrical Power Iccep 2025  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Iccep65222.2025.11143723  
? Scopus ID: 2-s2.0-105016628730  
? Pages: 823-829  
? Authors: Cocco Simone; Benevieri Alessandro; Passalacqua Massimiliano; Vaccaro Luis; Formentini Andrea; Marchesoni Mario  
? Keywords: Battery systems | DC-DC converters | EVs | FCEVs | Supercapacitors  
? Source Id: 21101333300  
? Author Ids: 57324695200;57226763007;57195070159;21935399500;55370605300;6701827441  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Cocco S.

- 7.
- ? Title: Advances and Perspectives in Multilevel Converters: A Comprehensive Review  
? Venue: Electronics Switzerland  
? Year: 2024  
? Type: Journal  
? Subtype: Review  
? Citations: 6  
? DOI: 10.3390/electronics13234736  
? Scopus ID: 2-s2.0-85211943269  
? eISSN: 20799292  
? Volume: 13  
? Issue: 23  
? Authors: Benevieri Alessandro; Cocco Simone; Formentini Andrea; Marchesoni Mario;

Passalacqua Massimiliano; Vaccaro Luis

? Keywords: high-power applications | medium-voltage drives | modulation | multilevel converters (MLCs) | power converters | power electronics | topologies | voltage source inverter (VSI)

? Quartile:

2025:

? Signal Processing (Q1, rank 36, percentile 81)

? Electrical and Electronic Engineering (Q1, rank 220, percentile 78)

? Control and Systems Engineering (Q1, rank 91, percentile 76)

? Computer Networks and Communications (Q1, rank 131, percentile 76)

? Hardware and Architecture (Q2, rank 62, percentile 73)

2024:

? Electrical and Electronic Engineering (Q1, rank 228, percentile 76)

? Signal Processing (Q1, rank 44, percentile 76)

? Control and Systems Engineering (Q1, rank 93, percentile 75)

? Computer Networks and Communications (Q2, rank 137, percentile 73)

? Hardware and Architecture (Q2, rank 62, percentile 72)

? Source Id: 21100829272

? Author Ids: 57226763007;57324695200;55370605300;6701827441;57195070159;21935399500

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

? Corresponding: Benevieri A.

8.

? Title: A New Topology of Multi-Input Bidirectional DC-DC Converters for Hybrid Energy Storage Systems

? Venue: Energies

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 4

? DOI: 10.3390/en17205120

? Scopus ID: 2-s2.0-85207391518

? eISSN: 19961073

? Volume: 17

? Issue: 20

? Authors: Cocco Simone; Benevieri Alessandro; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis; Pozzobon Paolo

? Keywords: DC-DC converter | hybrid electric vehicle (HEV) | hybrid energy storage system (HESS) | multi-input topology

? 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: 57324695200;57226763007;6701827441;57195070159;21935399500;6601994662  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Cocco S.

9.

? Title: H<sub>2</sub>-LMI-Based High Performance Control for Matrix Converter  
? Venue: IEEE Transactions on Industrial Electronics  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 1  
? Doi: 10.1109/Tie.2023.3333014  
? Scopus ID: 2-s2.0-85179786373  
? Issn: 02780046  
? eISSN: 15579948  
? Volume: 71  
? Issue: 9  
? Pages: 10029-10038  
? Authors: Carbone Lorenzo; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis; Formentini Andrea  
? Keywords: matrix converter (MC) | rmH<sub>2</sub>-linear matrix inequality (LMI) optimal control  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)  
? Control and Systems Engineering (Q1, rank 17, percentile 95)  
2024:  
? Electrical and Electronic Engineering (Q1, rank 36, percentile 96)  
? Control and Systems Engineering (Q1, rank 16, percentile 95)  
? Source Id: 26053  
? Author Ids: 57324886200;6701827441;57195070159;21935399500;55370605300  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Carbone L.

10.

? Title: A New Feed-Forward Control for Dynamics Improvement in a Dual-Input DC?DC Converter for Hybrid Vehicle Applications  
? Venue: Energies  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 3  
? DOI: 10.3390/en17092170  
? Scopus ID: 2-s2.0-85192750704  
? eISSN: 19961073  
? Volume: 17  
? Issue: 9  
? Authors: Benevieri Alessandro; Carbone Lorenzo; Cocco Simone; Marchesoni Mario; Passalacqua Massimiliano; Savio Stefano; Vaccaro Luis  
? Keywords: control strategy | DCM | DC?DC converter | feed forward | multi-input converter  
? 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:

57226763007;57324886200;57324695200;6701827441;57195070159;7004161333;21935399500

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

? Corresponding: Benevieri A.

11.

? Title: Enhanced Model Predictive Control Strategy for the Three-Phase 5-Level Multiplexed Converter  
? Venue: 2024 IEEE Energy Conversion Congress and Exposition Ecce 2024 Proceedings  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Ecce55643.2024.10861030  
? Scopus ID: 2-s2.0-86000483280  
? Pages: 4061-4067  
? Authors: Di Benedetto Marco; Formentini Andrea; Lidozzi Alessandro; Solero Luca; Marchesoni Mario  
? Source Id: 21101281529  
? Author Ids: 57223905864;55370605300;24766926100;35513447200;6701827441  
? Authoraffiliationids: 60012630;60025153;60012630;60012630;60025153  
? Corresponding: Di Benedetto M.

12.

? Title: High efficiency control of AC-DC Matrix based buck converters: DCM modulation  
? Venue: 2024 IEEE Energy Conversion Congress and Exposition Ecce 2024 Proceedings  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Ecce55643.2024.10861334  
? Scopus ID: 2-s2.0-86000451001  
? Pages: 4112-4118  
? Authors: Rodkin Dmytro; Formentini Andrea; Passalacqua Massimiliano; Vaccaro Luis; Marchesoni Mario  
? Keywords: AC-DC matrix converter | Discontinuous conduction mode (DCM)  
? Source Id: 21101281529  
? Author Ids: 59680007700;55370605300;57195070159;21935399500;6701827441  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Rodkin D.

13.

? Title: A Fast Model-Based Control for a Double-Input Three-Switch Bidirectional DC-DC

Converter

? Venue: 2024 IEEE Energy Conversion Congress and Exposition Ecce 2024 Proceedings

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Ecce55643.2024.10861341

? Scopus ID: 2-s2.0-86000438523

? Pages: 4151-4157

? Authors: Benevieri Alessandro; Passalacqua Massimiliano; Formentini Andrea; Vaccaro Luis; Marchesoni Mario

? Keywords: control strategy | DC-DC Converter | discontinuous conduction mode (DCM) | efficiency | multi-input converter

? Source Id: 21101281529

? Author Ids: 57226763007;57195070159;55370605300;21935399500;6701827441

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

? Corresponding: Benevieri A.

14.

? Title: Gradient-Based Predictive Pulse Pattern Control for Permanent Magnet Synchronous Motor Drives

? 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-Itec60450.2024.10819776

? Scopus ID: 2-s2.0-85216929432

? Authors: Benevieri Alessandro; Karamanakos Petros; Formentini Andrea; Marchesoni Mario

? Keywords: model predictive control (MPC) | optimal modulation | optimized pulse patterns (OPPs) | Permanent magnet synchronous motor (PMSM) drive

? Source Id: 21101272773

? Author Ids: 57226763007;37055806900;55370605300;6701827441

? Authoraffiliationids: 60025153;60011170;60025153;60025153

? Corresponding: Benevieri A.

15.

? Title: Medium Voltage Sensorless Induction Motor Drive for Subsea Applications

? Venue: 2024 International Conference on Electrical Machines ICEM 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Icem60801.2024.10700411

? Scopus ID: 2-s2.0-85207502241

? Authors: Carbone Lorenzo; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis

? Keywords: Induction Motor | Luenberger Observer | Medium Voltage (MV) | Oil Pump Application | Sensorless Control

? Source Id: 21101255662

? Author Ids: 57324886200;6701827441;57195070159;21935399500

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Carbone L.

16.

? Title: Transient Thermal Impedance Characterization of New High Power Press Pack Diodes  
? Venue: 2024 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2024  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Speedam61530.2024.10608828  
? Scopus ID: 2-s2.0-85201734442  
? Pages: 81-86  
? Authors: Ahmad Fawad; Portesine Federico; Ashero Marco; Marchesoni Mario; Vaccaro Luis  
? Keywords: Cauer Model | Foster Model | Press Pack Diodes | Thermal Model Transformation | Thermal Networks  
? Source Id: 21101243575  
? Author Ids: 59291872200;57218098587;59291838000;6701827441;21935399500  
? Authoraffiliationids: 60025153;120809443;120809443;60025153;60025153  
? Corresponding: Ahmad F.

17.

? Title: Stability Issues in V/f Controlled Medium Voltage Induction Motor Drives Considering Magnetizing Inductance Variation  
? Venue: IEEE Transactions on Energy Conversion  
? Year: 2023  
? Type: Journal  
? Subtype: Article  
? Citations: 6  
? Doi: 10.1109/Tec.2023.3288673  
? Scopus ID: 2-s2.0-85163516463  
? Issn: 08858969  
? eISSN: 15580059  
? Volume: 38  
? Issue: 4  
? Pages: 2909-2918  
? Authors: Cocco Simone; Kumar Krishneel; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: Electrical drives | induction motor | stability | V/F control  
? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 62, percentile 93)  
? Energy Engineering and Power Technology (Q1, rank 30, percentile 90)

2023:

? Electrical and Electronic Engineering (Q1, rank 77, percentile 90)  
? Energy Engineering and Power Technology (Q1, rank 35, percentile 87)

? Source Id: 28824

? Author Ids: 57324695200;57438065800;6701827441;57195070159;21935399500

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

? Corresponding: Cocco S.

18.

? Title: Double input DC-DC converter for highly flexible and reliable Battery Storage Systems  
? Venue: E3s Web of Conferences  
? Year: 2023  
? Type: Conference Proceeding

? Subtype: Conference Paper  
? Citations: 0  
? DOI: 10.1051/e3sconf/202341401006  
? Scopus ID: 2-s2.0-85178325957  
? Issn: 25550403  
? eISSN: 22671242  
? Volume: 414  
? Authors: Benevieri Alessandro; Carbone Lorenzo; Cocco Simone; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Source Id: 21100795900  
? Author Ids: 57226763007;57324886200;57324695200;6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Benevieri A.

19.

? Title: Comparative Study of Passivity, Model Predictive, and Passivity-Based Model Predictive Controllers in Uninterruptible Power Supply Applications  
? Venue: Energies  
? Year: 2023  
? Type: Journal  
? Subtype: Article  
? Citations: 1  
? DOI: 10.3390/en16155594  
? Scopus ID: 2-s2.0-85167784234  
? eISSN: 19961073  
? Volume: 16  
? Issue: 15  
? Authors: Hussain Shafquat; Bakeer Abualkasim; Mohamed Ihab S.; Marchesoni Mario; Vaccaro Luis  
? Keywords: finite control set model predictive controller (FCS-MPC) | interconnection and damping assignment passivity-based controlled (IDA-PBC) | passivity-based model predictive control (PB-MPC)

? 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: 57225936087;56732958400;55819307600;6701827441;21935399500

? Authoraffiliationids: 60025153;60216388;60010875;60025153;60025153

? Corresponding: Hussain S.

20.

? Title: Sensorless Control with Switching Frequency Square Wave Voltage Injection for

SPMSM with Low Rotor Magnetic Anisotropy  
? Venue: IEEE Transactions on Power Electronics  
? Year: 2023  
? Type: Journal  
? Subtype: Article  
? Citations: 28  
? Doi: 10.1109/Tpel.2023.3270357  
? Scopus ID: 2-s2.0-85159695527  
? Issn: 08858993  
? eISSN: 19410107  
? Volume: 38  
? Issue: 8  
? Pages: 10060-10072  
? Authors: Benevieri Alessandro; Formentini Andrea; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: High-frequency (HF) injection | sensorless control | square-wave injection | surface permanent magnet synchronous motor (SPMSM)  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)  
2023:  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 95)  
? Source Id: 26055  
? Author Ids: 57226763007;55370605300;6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Benevieri A.

21.  
? Title: Model Predictive Control of a Double Input Bidirectional Boost DC-DC Converter  
? Venue: 2023 25th European Conference on Power Electronics and Applications EPE 2023 Ecce Europe  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? DOI: 10.23919/EPE23ECCEurope58414.2023.10264606  
? Scopus ID: 2-s2.0-85175145117  
? Authors: Benevieri Alessandro; Formentini Andrea; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: Bi-directional converters | DC-DC converter | Double-input converter  
? Source Id: 21101184577  
? Author Ids: 57226763007;55370605300;6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Benevieri A.

22.  
? Title: Surface Permanent Magnet Synchronous Motors? Passive Sensorless Control: A Review  
? Venue: Energies  
? Year: 2022  
? Type: Journal  
? Subtype: Article  
? Citations: 14  
? DOI: 10.3390/en15207747  
? Scopus ID: 2-s2.0-85140610785  
? eISSN: 19961073

? Volume: 15  
? Issue: 20  
? Authors: Benevieri Alessandro; Carbone Lorenzo; Cocco Simone; Kumar Krishneel; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: permanent magnet synchronous motors (PMSM) | review | sensorless control  
? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)  
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)  
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)  
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)  
? Fuel Technology (Q2, rank 40, percentile 70)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)  
? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2022:

? Control and Optimization (Q1, rank 21, percentile 83)  
? Engineering (miscellaneous) (Q1, rank 27, percentile 82)  
? Electrical and Electronic Engineering (Q2, rank 197, percentile 73)  
? Energy Engineering and Power Technology (Q2, rank 77, percentile 69)  
? Energy (miscellaneous) (Q2, rank 18, percentile 67)  
? Fuel Technology (Q2, rank 39, percentile 67)  
? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 56)

? Source Id: 62932

? Author Ids:

57226763007;57324886200;57324695200;57438065800;6701827441;57195070159;21935399500

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

? Corresponding: Benevieri A.

23.

? Title: A State-Space Approach to the Modelling and Control of the Neutral Leg of a Four Legs, Three-Phase Inverter

? Venue: IEEE Transactions on Industrial Electronics

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 8

? Doi: 10.1109/Tie.2021.3070495

? Scopus ID: 2-s2.0-85103880162

? Issn: 02780046

? eISSN: 15579948

? Volume: 69

? Issue: 4

? Pages: 4056-4064

? Authors: Passalacqua Massimiliano; Grosjean Gislain; Kissling Simon; Bozorg Mokhtar; Marchesoni Mario; Carpita Mauro

? Keywords: Neutral leg control | split dc-bus | three-phase four-wire inverter

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)  
? Control and Systems Engineering (Q1, rank 17, percentile 95)

2022:

? Electrical and Electronic Engineering (Q1, rank 22, percentile 97)  
? Control and Systems Engineering (Q1, rank 9, percentile 97)

? Source Id: 26053

? Author Ids: 57195070159;57222733872;57189070776;36466107400;6701827441;6603270189

- ? Authoraffiliationids: 60025153;60101868;60101868;60101868;60025153;60101868  
? Corresponding: Passalacqua M.
- 24.
- ? Title: Experimental Low-Speed Performance Evaluation and Comparison of Sensorless Passive Algorithms for SPMSM
- ? Venue: IEEE Transactions on Energy Conversion
- ? Year: 2022
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 25
- ? Doi: 10.1109/Tec.2021.3101583
- ? Scopus ID: 2-s2.0-85112608002
- ? Issn: 08858969
- ? eISSN: 15580059
- ? Volume: 37
- ? Issue: 1
- ? Pages: 654-664
- ? Authors: Benevieri Alessandro; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
- ? Keywords: Permanent magnet synchronous motors (PMSM) | Sensorless control | Speed control
- ? Quartile:
- 2025:
- ? Electrical and Electronic Engineering (Q1, rank 62, percentile 93)
- ? Energy Engineering and Power Technology (Q1, rank 30, percentile 90)
- 2022:
- ? Electrical and Electronic Engineering (Q1, rank 76, percentile 89)
- ? Energy Engineering and Power Technology (Q1, rank 30, percentile 88)
- ? Source Id: 28824
- ? Author Ids: 57226763007;6701827441;57195070159;21935399500
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153
- ? Corresponding: Benevieri A.
- 25.
- ? Title: Induction Motor Field-Oriented Sensorless Control with Filter and Long Cable
- ? Venue: Energies
- ? Year: 2022
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 12
- ? DOI: 10.3390/en15041484
- ? Scopus ID: 2-s2.0-85125071541
- ? eISSN: 19961073
- ? Volume: 15
- ? Issue: 4
- ? Authors: Carbone Lorenzo; Cocco Simone; Kumar Krishneel; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
- ? Keywords: Cable compensation | Eigenvalues | Field-oriented control | Induction motor drive | Long cable | Luenberger observer | Sensorless control | Speed estimation | Stability analysis | Submarine pump
- ? Quartile:
- 2025:
- ? Control and Optimization (Q1, rank 11, percentile 94)
- ? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
- ? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)

- ? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
- ? Fuel Technology (Q2, rank 40, percentile 70)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
- ? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2022:

- ? Control and Optimization (Q1, rank 21, percentile 83)
- ? Engineering (miscellaneous) (Q1, rank 27, percentile 82)
- ? Electrical and Electronic Engineering (Q2, rank 197, percentile 73)
- ? Energy Engineering and Power Technology (Q2, rank 77, percentile 69)
- ? Energy (miscellaneous) (Q2, rank 18, percentile 67)
- ? Fuel Technology (Q2, rank 39, percentile 67)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 56)
- ? Source Id: 62932
- ? Author Ids: 57324886200;57324695200;57438065800;6701827441;57195070159;21935399500
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Carbone L.

26.

- ? Title: Stability Analysis of Open-Loop V/Hz Controlled Asynchronous Machines and Two Novel Mitigation Strategies for Oscillations Suppression
- ? Venue: Energies
- ? Year: 2022
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 14
- ? DOI: 10.3390/en15041404
- ? Scopus ID: 2-s2.0-85124875347
- ? eISSN: 19961073
- ? Volume: 15
- ? Issue: 4
- ? Authors: Carbone Lorenzo; Cocco Simone; Kumar Krishneel; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
- ? Keywords: Active damping | Eigenvalues | Induction motor drive | Instability | Oscillations | Small-signal model | Stability analysis | V/Hz control
- ? Quartile:

2025:

- ? Control and Optimization (Q1, rank 11, percentile 94)
- ? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
- ? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
- ? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
- ? Fuel Technology (Q2, rank 40, percentile 70)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
- ? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2022:

- ? Control and Optimization (Q1, rank 21, percentile 83)
- ? Engineering (miscellaneous) (Q1, rank 27, percentile 82)
- ? Electrical and Electronic Engineering (Q2, rank 197, percentile 73)
- ? Energy Engineering and Power Technology (Q2, rank 77, percentile 69)
- ? Energy (miscellaneous) (Q2, rank 18, percentile 67)
- ? Fuel Technology (Q2, rank 39, percentile 67)
- ? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 56)
- ? Source Id: 62932
- ? Author Ids: 57324886200;57324695200;57438065800;6701827441;57195070159;21935399500
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Carbone L.

27.

? Title: A fast control for a three-switch multi-input DC-DC converter  
? Venue: 24th European Conference on Power Electronics and Applications EPE 2022 Ecce Europe  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Scopus ID: 2-s2.0-85141581126  
? Authors: Cocco Simone; Formentini Andrea; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: CCM | DC-DC Converter | DCM | Feed-Forward | Power Converters  
? Source Id: 21101119900  
? Author Ids: 57324695200;55370605300;6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Cocco S.

28.

? Title: Experimental Assessment of Power Converters Control Strategies for Shipboard Microgrids  
? Venue: 2022 IEEE International Conference on Environment and Electrical Engineering and 2022 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2022  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? DOI: 10.1109/EEEIC/ICPSEurope54979.2022.9854761  
? Scopus ID: 2-s2.0-85137987811  
? Authors: Schiapparelli Giacomo Piero; Passalacqua Massimiliano; D'Agostino Fabio; Vaccaro Luis; Marchesoni Mario; Silvestro Federico  
? Keywords: experimental setup | Grid-following con-verters | Grid-forming converters | shipboard microgrids  
? Source Id: 21101107964  
? Author Ids: 57204003255;57195070159;56553864200;21935399500;6701827441;23026343700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Schiapparelli G.P.

29.

? Title: Sensorless Control Exploiting PWM Ripple in PMSM with Low Anisotropy  
? Venue: 2022 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2022  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Speedam53979.2022.9842129  
? Scopus ID: 2-s2.0-85136221181  
? Pages: 235-239  
? Authors: Benevieri Alessandro; Cocco Simone; Formentini Andrea; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: HF injection | Sensorless control | SPMSM | square-wave injection  
? Source Id: 21101101911  
? Author Ids: 57226763007;57324695200;55370605300;6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Benevieri A.

30.

? Title: Series architecture on hybrid electric vehicles: A review  
? Venue: Energies  
? Year: 2021  
? Type: Journal  
? Subtype: Review  
? Citations: 10  
? DOI: 10.3390/en14227672  
? Scopus ID: 2-s2.0-85121029388  
? eISSN: 19961073  
? Volume: 14  
? Issue: 22

? Authors: Benevieri Alessandro; Carbone Lorenzo; Cocco Simone; Kumar Krishneel; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis

? Keywords: Fuel economy | Hybrid Electric Vehicle (HEV) | Powertrain efficiency | Series architecture | Silicon Carbide (SiC) | Supercapacitor | Turbocompound

? 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:

57226763007;57324886200;57324695200;57438065800;6701827441;57195070159;21935399500

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

? Corresponding: Benevieri A.

31.

? Title: State-space approach for spmsm sensorless passive algorithm tuning

? Venue: Energies

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 2

? DOI: 10.3390/en14217180

? Scopus ID: 2-s2.0-85118530745

? eISSN: 19961073

? Volume: 14

? Issue: 21

? Authors: Carbone Lorenzo; Cocco Simone; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis

? Keywords: Permanent Magnet Synchronous Motors (PMSM) | Rotor flux observer |

Sensorless control | Speed control | Stability analysis

? 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: 57324886200;57324695200;6701827441;57195070159;21935399500

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

? Corresponding: Carbone L.

32.

? Title: A New Modulation Strategy for Exploiting Discontinuous Conduction Mode in a Double-Input Three-Switch Bidirectional DC-DC Converter

? Venue: IEEE Transactions on Industrial Electronics

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 15

? Doi: 10.1109/Tie.2020.3038059

? Scopus ID: 2-s2.0-85096868481

? Issn: 02780046

? eISSN: 15579948

? Volume: 68

? Issue: 11

? Pages: 10815-10825

? Authors: Passalacqua Massimiliano; Marchesoni Mario; Vaccaro Luis

? Keywords: DC-DC converter | discontinuous conduction mode (DCM) | efficiency | modulation strategy | multiinput converter

? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)
- ? Control and Systems Engineering (Q1, rank 17, percentile 95)

2021:

- ? Control and Systems Engineering (Q1, rank 6, percentile 97)
- ? Electrical and Electronic Engineering (Q1, rank 20, percentile 97)

? Source Id: 26053

? Author Ids: 57195070159;6701827441;21935399500

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Passalacqua M.

33.

? Title: Development and Evaluation of Sensorless Control Systems for SPMSM Drives in

the Extreme Low-Speed Region  
? Venue: 2021 23rd European Conference on Power Electronics and Applications EPE 2021  
Ecce Europe  
? Year: 2021  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Scopus ID: 2-s2.0-85119066418  
? Authors: Benevieri Alessandro; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: Control of drive | Electrical drive | Estimation technique | Permanent magnet motor | Sensorless control  
? Source Id: 21101065464  
? Author Ids: 57226763007;6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Benevieri A.

34.

? Title: Induction motor direct torque control with synchronous PWM  
? Venue: Energies  
? Year: 2021  
? Type: Journal  
? Subtype: Article  
? Citations: 8  
? DOI: 10.3390/en14165025  
? Scopus ID: 2-s2.0-85113255669  
? eISSN: 19961073  
? Volume: 14  
? Issue: 16  
? Authors: Benevieri Alessandro; Maragliano Gianmarco; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: Direct torque control | Induction motor drive | Synchronous PWM  
? 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: 57226763007;36778746300;6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Benevieri A.

35.

? Title: Modulating Signals Effect on Capacitor Voltage Ripple in Full Bridge Modular Multilevel Converters  
? Venue: 2021 Aeit Hvdc International Conference Aeit Hvdc 2021  
? Year: 2021  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Aeithvdc52364.2021.9474595  
? Scopus ID: 2-s2.0-85112867086  
? Authors: Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis; Bordignon Paolo  
? Keywords: Full Bridge Cell | HVDC | MMC | Voltage Ripple  
? Source Id: 21101056105  
? Author Ids: 6701827441;57195070159;21935399500;6603367451  
? Authoraffiliationids: 60025153;60025153;60025153;126760071  
? Corresponding: Marchesoni M.

36.

? Title: Currents and Torque Oscillations Mitigation in High Power Induction Motor Drives  
? Venue: 2021 IEEE 15th International Conference on Compatibility Power Electronics and Power Engineering Cpe Powereng 2021  
? Year: 2021  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Cpe-Powereng50821.2021.9501186  
? Scopus ID: 2-s2.0-85124908491  
? Authors: Kumar Krishneel; Marchesoni Mario; Maule Zeno; Passalacqua Massimiliano; Soso Francesco; Vaccaro Luis  
? Keywords: Compensation | Induction motor | Instability | Speed control | Torque oscillation | V/Hz  
? Source Id: 21101076702  
? Author Ids: 57438065800;6701827441;57458767100;57195070159;35249557100;21935399500  
? Authoraffiliationids: 60025153;60025153;60122276;60025153;60122276;60025153  
? Corresponding: Kumar K.

37.

? Title: Control of a Dual Fed Open End Winding SPMSM with a Floating Capacitor  
? Venue: Ecce 2020 IEEE Energy Conversion Congress and Exposition  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Ecce44975.2020.9235937  
? Scopus ID: 2-s2.0-85097139860  
? Pages: 4036-4043  
? Authors: Minaglia Davide; Rovere Luca; Formentini Andrea; Leuzzi Riccardo; Pipolo Sabino; Marchesoni Mario; Zanchetta Pericle  
? Keywords: Dual-Fed | Floating Capacitor | Linear Quadratic Regulator | Open-End Winding Machine | Permanent Magnet Synchronous Motor | State-Space Control  
? Source Id: 21101029715  
? Author Ids:  
57220184955;57190687733;55370605300;56448866100;56705313100;6701827441;6602830299  
? Authoraffiliationids:  
125499884;60015138;60015138;60015197;60015138;60025153;125499884-60025153  
? Corresponding: Minaglia D.

38.

? Title: A High-Efficiency Control of a Double-Input Converter for Renewable Energies and Hybrid Vehicles  
? Venue: 2020 22nd European Conference on Power Electronics and Applications EPE 2020 Ecce Europe  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? DOI: 10.23919/EPE20ECCEEurope43536.2020.9215752  
? Scopus ID: 2-s2.0-85094911821  
? Authors: Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: Converter control | Efficiency | Electric vehicle | Smart grids  
? Source Id: 21101024171  
? Author Ids: 6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Marchesoni M.

39.

? Title: An improved control strategy for an innovative DC-DC converter for interfacing energy storage systems  
? Venue: 2020 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2020  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Speedam48782.2020.9161905  
? Scopus ID: 2-s2.0-85091156136  
? Pages: 811-815  
? Authors: Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: Conversion efficiency | DC-DC conversion | Discontinuous Conduction Mode  
? Source Id: 21101021766  
? Author Ids: 6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Marchesoni M.

40.

? Title: Performance improvement in a sensorless surface-mounted PMSM drive based on rotor flux observer  
? Venue: Control Engineering Practice  
? Year: 2020  
? Type: Journal  
? Subtype: Article  
? Citations: 26  
? DOI: 10.1016/j.conengprac.2019.104276  
? Scopus ID: 2-s2.0-85076675691  
? Issn: 09670661  
? Volume: 96  
? Authors: Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis; Calvini Marco; Venturini Marco  
? Keywords: Permanent magnet motors (PMSM) | Rotor flux observer | Sensorless control | Speed control  
? Quartile:  
2025:  
? Applied Mathematics (Q1, rank 28, percentile 95)

- ? Electrical and Electronic Engineering (Q1, rank 143, percentile 85)
  - ? Control and Systems Engineering (Q1, rank 58, percentile 84)
  - ? Computer Science Applications (Q1, rank 171, percentile 82)
- 2020:
- ? Applied Mathematics (Q1, rank 19, percentile 96)
  - ? Computer Science Applications (Q1, rank 96, percentile 86)
  - ? Electrical and Electronic Engineering (Q1, rank 97, percentile 86)
  - ? Control and Systems Engineering (Q1, rank 38, percentile 85)
- ? Source Id: 18174
- ? Author Ids: 6701827441;57195070159;21935399500;14422097400;58351076300
- ? Authoraffiliationids: 60025153;60025153;60025153;123668789;123668789
- ? Corresponding: Marchesoni M.
- 41.
- ? Title: Turbocompound power unit modelling for a supercapacitor-based series hybrid vehicle application
  - ? Venue: Energies
  - ? Year: 2020
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 6
  - ? DOI: 10.3390/en13020447
  - ? Scopus ID: 2-s2.0-85078198084
  - ? eISSN: 19961073
  - ? Volume: 13
  - ? Issue: 2
  - ? Authors: Repetto Matteo; Passalacqua Massimiliano; Vaccaro Luis; Marchesoni Mario; Prato Alessandro Pini
  - ? Keywords: Efficiency | Fuel economy | Hybrid electric vehicle (HEV), series architecture | Supercapacitor | Turbocharger | Turbocompound
  - ? 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: 56264520300;57195070159;21935399500;6701827441;55493328400
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Repetto M.
- 42.
- ? Title: A refined loss evaluation of a three-switch double input DC-DC converter for hybrid vehicle applications
  - ? Venue: Energies

? Year: 2020  
? Type: Journal  
? Subtype: Article  
? Citations: 14  
? DOI: 10.3390/en13010204  
? Scopus ID: 2-s2.0-85077446316  
? eISSN: 19961073  
? Volume: 13  
? Issue: 1  
? Authors: Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: Battery | DC-DC converter | Efficiency | Hybrid electric vehicle (HEV) | Multi-input converter | Supercapacitor  
? 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: 6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Marchesoni M.

43.

? Title: Solid-state transformers in locomotives fed through AC lines: A review and future developments  
? Venue: Energies  
? Year: 2019  
? Type: Journal  
? Subtype: Review  
? Citations: 19  
? DOI: 10.3390/en12244711  
? Scopus ID: 2-s2.0-85076947747  
? eISSN: 19961073  
? Volume: 12  
? Issue: 24  
? Authors: Farnesi Stefano; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: Medium frequency transformer | Modular Multilevel Converter (MMC) | Power electronic transformer | Railway electric traction | Soft-switching | Solid State Transformer (SST)  
? 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: 54392715100;6701827441;57195070159;21935399500

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Farnesi S.

44.

? Title: Fuel Economy and EMS for a Series Hybrid Vehicle Based on Supercapacitor Storage

? Venue: IEEE Transactions on Power Electronics

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 40

? Doi: 10.1109/Tpel.2019.2895209

? Scopus ID: 2-s2.0-85068677902

? Issn: 08858993

? eISSN: 19410107

? Volume: 34

? Issue: 10

? Pages: 9966-9977

? Authors: Passalacqua Massimiliano; Lanzarotto Damiano; Repetto Matteo; Vaccaro Luis; Bonfiglio Andrea; Marchesoni Mario

? Keywords: Energy efficiency | fuel economy | hybrid electric vehicles (HEVs) | series architecture | supercapacitors

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)

2019:

? Electrical and Electronic Engineering (Q1, rank 19, percentile 97)

? Source Id: 26055

? Author Ids: 57195070159;57195070345;56264520300;21935399500;36607521000;6701827441

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

? Corresponding: Passalacqua M.

45.

? Title: GaN E-HEMT based high flatness broadband power noise source for dynamic identification of mechatronic systems and batteries

? Venue: 2019 21st European Conference on Power Electronics and Applications EPE 2019 Ecce Europe

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.23919/Epe.2019.8914912

? Scopus ID: 2-s2.0-85076685178

? Authors: Tenca Pierluigi; Marchesoni Mario

? Keywords: Batteries | Converter machine interactions | Data analysis | Gallium Nitride | High frequency power converter | Measurement | Modulation strategy | Radio frequency (RF)

? Source Id: 21100958234

? Author Ids: 55962997800;6701827441

? Authoraffiliationids: 123668963;60025153

? Corresponding: Tenca P.

46.

? Title: A new common mode voltage reduction method in a generalized space vector modulator for cascaded multilevel converters

? Venue: 2019 21st European Conference on Power Electronics and Applications EPE 2019 Ecce Europe

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.23919/Epe.2019.8914889

? Scopus ID: 2-s2.0-85076668962

? Authors: Maragliano Gianmarco; Carpita Mauro; Kissling Simon; Marchesoni Mario; Passalacqua Massimiliano; Pidancier Thomas; Vaccaro Filippo; Vaccaro Luis

? Keywords: Common mode voltage | Multilevel converters | Space Vector Modulation (SVM) | Voltage Source Converter (VSC)

? Source Id: 21100939561

? Author Ids: 36778746300;6603270189;57189070776;6701827441;57195070159;57203972480;57204173615;21935399500

? Authoraffiliationids:

60025153;60101868;60101868;60025153;60025153;60101868;121671530;60025153

? Corresponding: Maragliano G.

47.

? Title: An Improved Low-Noise Sensorless PMSM Drive able to Face Highly Intermittent Load Torque

? Venue: 2019 IEEE 10th International Symposium on Sensorless Control for Electrical Drives Sled 2019

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Sled.2019.8896293

? Scopus ID: 2-s2.0-85075636678

? Authors: Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis; Calvini Marco; Venturini Marco

? Keywords: Permanent magnet motors (PMSM) | Rotor flux observer | Sensorless control | Speed control

? Source Id: 21100962400

? Author Ids: 6701827441;57195070159;21935399500;14422097400;58351076300

? Authoraffiliationids: 60025153;60025153;60025153;123668789;123668789

? Corresponding: Marchesoni M.

48.

? Title: Low speed performance improvement in a self-commissioned sensorless PMSM drive based on rotor flux observer

? Venue: 2019 21st European Conference on Power Electronics and Applications EPE 2019 Ecce Europe

? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.23919/Epe.2019.8915004  
? Scopus ID: 2-s2.0-85075632529  
? Authors: Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis; Calvini Marco; Venturini Marco  
? Keywords: Permanent Magnet Synchronous Motor (PMSM) | Rotor flux observer | Self-commissioning | Sensorless control | Speed control  
? Source Id: 21100958234  
? Author Ids: 6701827441;57195070159;21935399500;14422097400;58351076300  
? Authoraffiliationids: 60025153;60025153;60025153;123668963;123668963  
? Corresponding: Marchesoni M.

49.

? Title: Soft-Switching Power Converters for Efficient Grid Applications  
? 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: 2  
? Doi: 10.1109/Eeeic.2019.8783409  
? Scopus ID: 2-s2.0-85070835514  
? Authors: Farnesi Stefano; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: Grid Integration | Medium Voltage Converter | Modular Multilevel Converter | Soft Switching | Solid State Transformer  
? Source Id: 21100924363  
? Author Ids: 54392715100;6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Farnesi S.

50.

? Title: Supercapacitor storage sizing analysis for a series hybrid vehicle  
? Venue: Energies  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 15  
? DOI: 10.3390/en12091759  
? Scopus ID: 2-s2.0-85065866430  
? eISSN: 19961073  
? Volume: 12  
? Issue: 9  
? Authors: Passalacqua Massimiliano; Carpita Mauro; Gavin Serge; Marchesoni Mario; Repetto Matteo; Vaccaro Luis; Wasterlain Sbastien  
? Keywords: Energy efficiency | Energy Management System (EMS) | Hybrid Electric Vehicle (HEV) | Series architecture | Storage sizing | Supercapacitor  
? 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:  
57195070159;6603270189;36650500300;6701827441;56264520300;21935399500;59890575100  
? Authoraffiliationids: 60025153;60101868;60101868;60025153;60025153;60025153;60101868  
? Corresponding: Passalacqua M.

51.

? Title: Capacitor voltage ripple minimization in voltage source converter for HVDC applications  
? Venue: 2019 Aeit Hvdc International Conference Aeit Hvdc 2019  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/Aeit-Hvdc.2019.8740647  
? Scopus ID: 2-s2.0-85068558901  
? Authors: Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis; Carpita Mauro; Gavin Serge; Kissling Simon  
? Keywords: Efficiency | HVDC | MMC | Multilevel converters | Voltage ripple reduction  
? Source Id: 21100915608  
? Author Ids: 6701827441;57195070159;21935399500;6603270189;36650500300;57189070776  
? Authoraffiliationids: 60025153;60025153;60025153;60101868;60101868;60101868  
? Corresponding: Marchesoni M.

52.

? Title: Soft-switching cells for Modular Multilevel Converters for efficient grid integration of renewable sources  
? Venue: Aims Energy  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 2  
? DOI: 10.3934/energy.2019.3.246  
? Scopus ID: 2-s2.0-85066999039  
? Issn: 23338326  
? eISSN: 23338334  
? Volume: 7  
? Issue: 3  
? Pages: 246-263  
? Authors: Farnesi Stefano; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis  
? Keywords: Grid integration | Medium voltage converter | Modular Multilevel Converter | Soft switching | Solid state transformer  
? Quartile:  
2025:  
? Energy Engineering and Power Technology (Q2, rank 128, percentile 60)  
? Fuel Technology (Q2, rank 60, percentile 56)

? Renewable Energy, Sustainability and the Environment (Q3, rank 172, percentile 44)  
2019:  
? Energy Engineering and Power Technology (Q3, rank 133, percentile 38)  
? Fuel Technology (Q3, rank 66, percentile 33)  
? Renewable Energy, Sustainability and the Environment (Q3, rank 127, percentile 29)  
? Source Id: 21100836837  
? Author Ids: 54392715100;6701827441;57195070159;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Farnesi S.

53.

? Title: Transformer Inrush Currents in a NPC Based Converter System for Cold Ironing Applications  
? Venue: 2018 20th European Conference on Power Electronics and Applications EPE 2018 Ecce Europe  
? Year: 2018  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Scopus ID: 2-s2.0-85057056879  
? Authors: Mantegazza Emanuele; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Filippo; Vaccaro Luis  
? Keywords: AC/AC converter | Interleaved converters | Multilevel converters | Voltage Source Converter (VSC)  
? Source Id: 21100887401  
? Author Ids: 57204173047;6701827441;57195070159;57204173615;21935399500  
? Authoraffiliationids: 121671530;60025153;60025153;121671530;60025153  
? Corresponding: Mantegazza E.

54.

? Title: Low Voltage Soft Open Point with Energy Storage: System Simulation and Prototype Preliminary Test Results  
? Venue: Speedam 2018 Proceedings International Symposium on Power Electronics Electrical Drives Automation and Motion  
? Year: 2018  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 15  
? Doi: 10.1109/Speedam.2018.8445244  
? Scopus ID: 2-s2.0-85053837915  
? Pages: 254-261  
? Authors: Attanasio Francesco; Wasterlain Sebastien; Pidancier Thomas; Marchesoni Mario; Favre-Perrod Patrick; Carpita Mauro  
? Keywords: Back-to-back voltage source inverter | Distribution grid | Power flow management | Reactive power compensation | Smart grid | Soft open point with energy Storage | Voltage control  
? Source Id: 21100878002  
? Author Ids: 57203966521;59890575100;57203972480;6701827441;15765258300;6603270189  
? Authoraffiliationids: 60025153;121384561;121384561;60025153;60101868;121384561  
? Corresponding: Attanasio F.

55.

? Title: A simplified design strategy for multi-resonant current control of a grid-connected voltage source Inverter with an LCL Filter  
? Venue: Energies  
? Year: 2018  
? Type: Journal

? Subtype: Article  
? Citations: 23  
? DOI: 10.3390/en11030609  
? Scopus ID: 2-s2.0-85053278783  
? eISSN: 19961073  
? Volume: 11  
? Issue: 3  
? Authors: Schiesser Matthias; Wasterlain S<sup>bastien</sup>; Marchesoni Mario; Carpita Mauro  
? Keywords: Current Harmonic Mitigation | Distributed Generation | Multi-Resonant Controller | Power Quality  
? 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: 57203864147;59890575100;6701827441;6603270189  
? Authoraffiliationids: 60101868;60101868;60025153;60025153  
? Corresponding: Schiesser M.

56.  
? Title: Small-scale modular multilevel converter for multi-terminal DC networks  
applications: System control validation  
? Venue: Energies  
? Year: 2018  
? Type: Journal  
? Subtype: Article  
? Citations: 11  
? DOI: 10.3390/en11071690  
? Scopus ID: 2-s2.0-85051191984  
? eISSN: 19961073  
? Volume: 11  
? Issue: 7  
? Authors: Louokdom Elie Talon; Gavin Serge; Siemaszko Daniel; Biya-Motto Fr<sup>d<sup>'</sup>ric</sup>; Zobo Bernard Essimbi; Marchesoni Mario; Carpita Mauro  
? Keywords: Digital controller | Digital signal processors (DSP) | Modular multilevel converters (MMC) | Multi-terminal DC network (MTDC)  
? 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:

57192820850;36650500300;22036558600;56166619100;59158005700;6701827441;6603270189

? Authoraffiliationids: 60070928;60101868;120065633;60070928;60070928;60025153;60101868

? Corresponding: Louokdom E.T.

57.

? Title: Overview of different hybrid vehicle architectures

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 44

? DOI: 10.1016/j.ifacol.2018.07.036

? Scopus ID: 2-s2.0-85050146720

? eISSN: 24058963

? Volume: 51

? Issue: 9

? Pages: 218-222

? Authors: Lanzarotto D.; Marchesoni M.; Passalacqua M.; Prato A. Pini; Repetto M.

? Keywords: energy efficiency | hybrid electric vehicle | parallel architecture |

series architecture | silicon carbide (SiC) | supercapacitor

? Quartile:

2025:

? Control and Systems Engineering (Q3, rank 218, percentile 42)

2018:

? Control and Systems Engineering (Q3, rank 161, percentile 32)

? Author Ids: 57195070345;6701827441;57195070159;55493328400;56264520300

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

? Corresponding: Lanzarotto D.

58.

? Title: Conceptual design upgrade on hybrid powertrains resulting from electric improvements

? Venue: International Journal of Transport Development and Integration

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 14

? Doi: 10.2495/Tdi-V2-N2-146-154

? Scopus ID: 2-s2.0-85050069606

? Issn: 20588305

? eISSN: 20588313

? Volume: 2

? Issue: 2

? Pages: 146-154

? Authors: Passalacqua M.; Lanzarotto D.; Repetto M.; Marchesoni M.

? Keywords: Hybrid vehicle | Parallel architecture | Powertrain efficiency | Series architecture | Supercapacitor

? Quartile:

2025:

- ? Automotive Engineering (Q2, rank 66, percentile 51)
- ? Civil and Structural Engineering (Q3, rank 248, percentile 40)
- ? Transportation (Q3, rank 102, percentile 35)
- ? Source Id: 21100922651
- ? Author Ids: 57195070159;57195070345;56264520300;6701827441
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153
- ? Corresponding: Passalacqua M.

59.

- ? Title: A soft switching modular multilevel converter for railway traction systems
- ? Venue: 2017 19th European Conference on Power Electronics and Applications EPE 2017 Ecce Europe
- ? Year: 2017
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 4
- ? DOI: 10.23919/EPE17ECCEurope.2017.8099381
- ? Scopus ID: 2-s2.0-85042046451
- ? Volume: 2017-January
- ? Authors: Farnesi Stefano; Marchesoni Mario; Vaccaro Luis
- ? Keywords: Converter Control | Multilevel Converters | Traction Application | Transformer | Zvs Converters
- ? Source Id: 21100851802
- ? Author Ids: 54392715100;6701827441;21935399500
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Farnesi S.

60.

- ? Title: IGBT-SiC dual fed ground power unit
- ? Venue: 2017 IEEE Energy Conversion Congress and Exposition Ecce 2017
- ? Year: 2017
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Doi: 10.1109/Ecce.2017.8096894
- ? Scopus ID: 2-s2.0-85041374316
- ? Volume: 2017-January
- ? Pages: 5332-5338
- ? Authors: Rovere Luca; Formentini Andrea; Calzo Giovanni Lo; Zanchetta Pericle; Cassia Andrea; Marchesoni Mario
- ? Keywords: Dual inverter | Ground power unit | Linear quadratic regulator | Silicon carbide technology
- ? Source Id: 21100849706
- ? Author Ids: 57190687733;55370605300;57191194891;6602830299;57200449388;6701827441
- ? Authoraffiliationids: 60015138;60015138;60015138;60015138;60025153;60025153
- ? Corresponding: Rovere L.

61.

- ? Title: A Switched Predictive Controller for an Electrical Powertrain System with Backlash
- ? Venue: IEEE Transactions on Power Electronics
- ? Year: 2017
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 49
- ? Doi: 10.1109/Tpel.2016.2587756

? Scopus ID: 2-s2.0-85012284294  
? Issn: 08858993  
? Volume: 32  
? Issue: 5  
? Pages: 4036-4047  
? Authors: Formentini Andrea; Oliveri Alberto; Marchesoni Mario; Storace Marco  
? Keywords: Backlash | Model predictive control (MPC) | Permanent magnet synchronous motors (PMSMs)  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)  
2017:  
? Electrical and Electronic Engineering (Q1, rank 9, percentile 98)  
? Source Id: 26055  
? Author Ids: 55370605300;57200399832;6701827441;7004134087  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Formentini A.

62.  
? Title: Electrical-loss analysis of power-split hybrid electric vehicles  
? Venue: Energies  
? Year: 2017  
? Type: Journal  
? Subtype: Article  
? Citations: 18  
? DOI: 10.3390/en10122142  
? Scopus ID: 2-s2.0-85041452438  
? eISSN: 19961073  
? Volume: 10  
? Issue: 12  
? Authors: Bonfiglio Andrea; Lanzarotto Damiano; Marchesoni Mario; Passalacqua Massimiliano; Procopio Renato; Repetto Matteo  
? Keywords: Continuously variable transmission | Electric machine | Energy efficiency | Hybrid electric vehicle | Hybrid synergy drive | Power-split device  
? 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: 36607521000;57195070345;6701827441;57195070159;7801615894;56264520300  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bonfiglio A.

63.  
? Title: Advantages of using supercapacitors and silicon carbide on hybrid vehicle

series architecture

? Venue: Energies

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 20

? DOI: 10.3390/en10070920

? Scopus ID: 2-s2.0-85025175637

? eISSN: 19961073

? Volume: 10

? Issue: 7

? Authors: Passalacqua Massimiliano; Lanzarotto Damiano; Repetto Matteo; Marchesoni Mario

? Keywords: Fuel economy | Hybrid vehicle | Power electronics | Series architecture | SiC | Supercapacitor

? 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: 57195070159;57195070345;56264520300;6701827441

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Passalacqua M.

64.

? Title: Capacitor current minimization and losses analysis in modular multilevel converter for HVDC applications

? Venue: 2016 18th European Conference on Power Electronics and Applications EPE 2016 Ecce Europe

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Epe.2016.7695669

? Scopus ID: 2-s2.0-84996865941

? Authors: Farnesi Stefano; Marchesoni Mario; Vaccaro Luis

? Keywords: Converter control | HVDC | Multilevel converters | Reliability | Voltage Source Converter (VSC)

? Source Id: 21100786900

? Author Ids: 54392715100;6701827441;21935399500

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Farnesi S.

65.

? Title: Sensorless Finite-Control Set Model Predictive Control for IPMSM Drives

? Venue: IEEE Transactions on Industrial Electronics  
? Year: 2016  
? Type: Journal  
? Subtype: Article  
? Citations: 89  
? Doi: 10.1109/Tie.2016.2578281  
? Scopus ID: 2-s2.0-84982266854  
? Issn: 02780046  
? Volume: 63  
? Issue: 9  
? Pages: 5921-5931  
? Authors: Rovere Luca; Formentini Andrea; Gaeta Alberto; Zanchetta Pericle; Marchesoni Mario  
? Keywords: Interior permanent-magnet synchronous motor (IPMSM) drives | model predictive control | sensorless control  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)  
? Control and Systems Engineering (Q1, rank 17, percentile 95)  
2016:  
? Control and Systems Engineering (Q1, rank 1, percentile 99)  
? Electrical and Electronic Engineering (Q1, rank 5, percentile 99)  
? Source Id: 26053  
? Author Ids: 57190687733;55370605300;35274994100;6602830299;6701827441  
? Authoraffiliationids: 60015138;60015138;60113691;60015138;60025153  
? Corresponding: Rovere L.

66.  
? Title: Reliability improvement of Modular Multilevel Converter in HVDC systems  
? Venue: 19th Power Systems Computation Conference Pscc 2016  
? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 14  
? Doi: 10.1109/Pscc.2016.7540942  
? Scopus ID: 2-s2.0-84986587823  
? Authors: Farnesi Stefano; Marchesoni Mario; Vaccaro Luis  
? Keywords: Control | Efficiency | HVDC | reliability | VSC  
? Source Id: 21100778001  
? Author Ids: 54392715100;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Farnesi S.

67.  
? Title: Advances in locomotive Power Electronic systems directly fed through AC lines  
? Venue: 2016 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2016  
? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 25  
? Doi: 10.1109/Speedam.2016.7525932  
? Scopus ID: 2-s2.0-84994181489  
? Pages: 657-664  
? Authors: Farnesi Stefano; Marchesoni Mario; Vaccaro Luis  
? Keywords: Medium Frequency Transformer | Power Electronic Transformer | Railway

Electric Traction | Solid State Transformer

? Source Id: 21100784241

? Author Ids: 54392715100;6701827441;21935399500

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Farnesi S.

68.

? Title: The absolute and social comparative analysis of driver performance on a simulated road network

? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 2016

? Type: Book Series

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1007/978-3-319-40216-1\_42

? Scopus ID: 2-s2.0-84977143001

? Issn: 03029743

? eISSN: 16113349

? Volume: 9599

? Pages: 375-384

? Authors: Dange Gautam R.; Paranthaman Pratheep K.; Samaritani Marco; Smiai Oussama; Bellotti Francesco; Berta Riccardo; De Gloria Alessandro; Marchesoni Mario; Massucc Stefano; Pontow Jens

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

2016:

? Computer Science (all) (Q2, rank 79, percentile 60)

? Theoretical Computer Science (Q3, rank 79, percentile 33)

? Source Id: 25674

? Author Ids: 57118289600;57118159800;57190063686;57118049100;55890888700;6701751695;7004620974;6701827441;57190067596;14825758300

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60072186

? Corresponding: Dange G.R.

69.

? Title: Speed Finite Control Set Model Predictive Control of a PMSM Fed by Matrix Converter

? Venue: IEEE Transactions on Industrial Electronics

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 141

? Doi: 10.1109/Tie.2015.2442526

? Scopus ID: 2-s2.0-84944339646

? Issn: 02780046

? Volume: 62

? Issue: 11

? Pages: 6786-6796

? Authors: Formentini Andrea; Trentin Andrew; Marchesoni Mario; Zanchetta Pericle; Wheeler Pat

? Keywords: FCS-MPC | Matrix Converter | PMSM drive

? 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: 55370605300;16231836900;6701827441;6602830299;7101693838

? Authoraffiliationids: 60025153-60015138;60015138;60025153;60015138;60015138

? Corresponding: Formentini A.

70.

? Title: Study of the MMC circulating current for optimal operation mode in HVDC applications

? Venue: 2015 17th European Conference on Power Electronics and Applications EPE Ecce Europe 2015

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 12

? Doi: 10.1109/Epe.2015.7311781

? Scopus ID: 2-s2.0-84965064084

? Authors: Marchesoni Mario; Vaccaro Luis

? Keywords: Converter control | Efficiency | HVDC | Multilevel converters | Voltage Source Converter (VSC)

? Source Id: 21100457043

? Author Ids: 6701827441;21935399500

? Authoraffiliationids: 116607080;116607080

? Corresponding: Marchesoni M.

71.

? Title: PSO-based self-commissioning of electrical motor drives

? Venue: IEEE Transactions on Industrial Electronics

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 86

? Doi: 10.1109/Tie.2014.2349478

? Scopus ID: 2-s2.0-84920896516

? Issn: 02780046

? Volume: 62

? Issue: 2

? Pages: 768-776

? Authors: Calvini Marco; Carpita Mauro; Formentini Andrea; Marchesoni Mario

? Keywords: Backlash | particle swarm optimization (PSO) | permanent-magnet synchronous motor (PMSM) drive | self-commissioning

? 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: 14422097400;6603270189;55370605300;6701827441  
? Authoraffiliationids: 101296397;60101868;60025153;60025153  
? Corresponding: Calvini M.
72.  
? Title: A new mains voltage observer for PMSM drives fed by matrix converters  
? Venue: 2014 16th European Conference on Power Electronics and Applications EPE Ecce Europe 2014  
? Year: 2014  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 15  
? Doi: 10.1109/Epe.2014.6910946  
? Scopus ID: 2-s2.0-84923878736  
? Authors: Formentini Andrea; De Lillo Liliana; Marchesoni Mario; Trentin Andrew; Wheeler Patrick; Zanchetta Pericle  
? Keywords: FCS-MPC | Matrix Converter | PMSM  
? Source Id: 21100376109  
? Author Ids: 55370605300;16068115600;6701827441;16231836900;7101693838;6602830299  
? Authoraffiliationids: 60025153;60015138;60025153;60015138;60015138;60015138  
? Corresponding: Formentini A.
73.  
? Title: Effects of the 2nd order harmonic leg current in a MMC converter  
? Venue: 2014 16th European Conference on Power Electronics and Applications EPE Ecce Europe 2014  
? Year: 2014  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 12  
? Doi: 10.1109/Epe.2014.6911029  
? Scopus ID: 2-s2.0-84923872714  
? Authors: Bordignon P.; Maragliano Gianmarco; Marchesoni Mario; Vaccaro Luis  
? Keywords: Converter control | HVDC | Multilevel converters | Voltage Source Converter (VSC)  
? Source Id: 21100376109  
? Author Ids: 6603367451;36778746300;6701827441;21935399500  
? Authoraffiliationids: 60113332;60025153;60025153;60025153  
? Corresponding: Bordignon P.
74.  
? Title: Optimal operation mode for Modular Multilevel Converter based HVDC  
? Venue: 2014 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2014  
? Year: 2014  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 12  
? Doi: 10.1109/Speedam.2014.6872067  
? Scopus ID: 2-s2.0-84906654652  
? Pages: 784-789  
? Authors: Maragliano G.; Marchesoni M.; Vaccaro L.  
? Keywords: harmonic | HVDC | MMC | performance | ripple  
? Source Id: 21100332186  
? Author Ids: 36778746300;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Maragliano G.

75.

? Title: Modular multilevel converter in HVDC systems under fault conditions  
? Venue: 2013 15th European Conference on Power Electronics and Applications EPE 2013  
? Year: 2013  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 25  
? Doi: 10.1109/Epe.2013.6634467  
? Scopus ID: 2-s2.0-84890216940  
? Authors: Bordignon Paolo; Marchesoni Mario; Parodi Gianluca; Vaccaro Luis  
? Keywords: Fault ride-through | HVDC | Multilevel converters | Voltage Source Converter (VSC)  
? Source Id: 21100274262  
? Author Ids: 6603367451;6701827441;52364526400;21935399500  
? Authoraffiliationids: 60113332;60025153;60025153;60025153  
? Corresponding: Bordignon P.

76.

? Title: A new N-level space vector modulator for cascaded multilevel converters  
? Venue: 2013 15th European Conference on Power Electronics and Applications EPE 2013  
? Year: 2013  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Epe.2013.6634669  
? Scopus ID: 2-s2.0-84890143003  
? Authors: Maragliano Gianmarco; Marchesoni Mario; Vaccaro Luis  
? Keywords: Cascaded multilevel converters | Fault handling strategy | Modulation strategy | Multilevel converters | Space Vectors Modulation (SVM)  
? Source Id: 21100274262  
? Author Ids: 36778746300;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Maragliano G.

77.

? Title: High penetration of very large scale PV Systems into the European electric network  
? Venue: 2012 IEEE International Energy Conference and Exhibition Energycon 2012  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? DOI: 10.1109/EnergyCon.2012.6348234  
? Scopus ID: 2-s2.0-84870836236  
? Pages: 658-662  
? Authors: Marchesoni M.; Marinopoulos A.; Massucco S.; Picco V.  
? Keywords: electric network analysis | generation expansion | photovoltaic generation | power system planning  
? Source Id: 21100223117  
? Author Ids: 6701827441;56170106000;6603357712;56703008000  
? Authoraffiliationids: 60025153;60012591;60025153;60025153  
? Corresponding: Marchesoni M.

78.

? Title: Extending the operating range in Diode-Clamped Multilevel inverters with Active Front Ends  
? Venue: 2012 IEEE International Energy Conference and Exhibition Energycon 2012

? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 14  
? DOI: 10.1109/EnergyCon.2012.6348230  
? Scopus ID: 2-s2.0-84870827370  
? Pages: 63-68  
? Authors: Marchesoni M.; Vaccaro L.  
? Keywords: Active Front-End | Converter Control | Grid interface | Modulation strategy | Multilevel converters  
? Source Id: 21100223117  
? Author Ids: 6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Marchesoni M.

79.

? Title: Fault detection and reconfiguration strategy for ANPC converters  
? Venue: 15th International Power Electronics and Motion Control Conference and Exposition EPE Pemc 2012 Ecce Europe  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 17  
? Doi: 10.1109/Epepemc.2012.6397217  
? Scopus ID: 2-s2.0-84874271617  
? Pages: DS1b.175  
? Authors: Fazio P.; Marchesoni M.; Parodi G.  
? Keywords: ANPC | Fault tolerance | Medium-Voltage Drive  
? Source Id: 21100229222  
? Author Ids: 52363412900;6701827441;52364526400  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Fazio P.

80.

? Title: Modular multilevel converter: Theoretical analysis and capacitor voltage ripple effects on the modulating signals  
? Venue: 15th International Power Electronics and Motion Control Conference and Exposition EPE Pemc 2012 Ecce Europe  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/Epepemc.2012.6397328  
? Scopus ID: 2-s2.0-84874229260  
? Pages: DS3b.188  
? Authors: Marchesoni M.; Bordignon P.; Parodi G.; Vaccaro L.  
? Keywords: Hvdc | M2c | Vsc  
? Source Id: 21100229222  
? Author Ids: 6701827441;6603367451;52364526400;21935399500  
? Authoraffiliationids: 60025153;60113332;60025153;60025153  
? Corresponding: Marchesoni M.

81.

? Title: A sensorless PMSM drive with inductance estimation based on FPGA  
? Venue: Speedam 2012 21st International Symposium on Power Electronics Electrical Drives Automation and Motion  
? Year: 2012

? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Speedam.2012.6264453  
? Scopus ID: 2-s2.0-84866921368  
? Pages: 1039-1044  
? Authors: Formentini A.; Maragliano G.; Marchesoni M.; Vaccaro L.  
? Keywords: Estimation technique | FPGA | Permanent magnet synchronous motor | Sensorless control  
? Source Id: 21100216928  
? Author Ids: 55370605300;36778746300;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Formentini A.

82.

? Title: Self-commissioning of direct drive systems  
? Venue: Speedam 2012 21st International Symposium on Power Electronics Electrical Drives Automation and Motion  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 7  
? Doi: 10.1109/Speedam.2012.6264436  
? Scopus ID: 2-s2.0-84866897648  
? Pages: 1348-1353  
? Authors: Calvini M.; Formentini A.; Maragliano G.; Marchesoni M.  
? Keywords: direct drive | PID | PSO | Self-commissioning  
? Source Id: 21100216928  
? Author Ids: 14422097400;55370605300;36778746300;6701827441  
? Authoraffiliationids: 113106893;60025153;60025153;60025153  
? Corresponding: Calvini M.

83.

? Title: Dynamic performance evaluation of sensorless permanent-magnet synchronous motor drives with reduced current sensors  
? Venue: IEEE Transactions on Industrial Electronics  
? Year: 2012  
? Type: Journal  
? Subtype: Article  
? Citations: 46  
? Doi: 10.1109/Tie.2012.2185010  
? Scopus ID: 2-s2.0-84863737706  
? Issn: 02780046  
? Volume: 59  
? Issue: 12  
? Pages: 4579-4589  
? Authors: Carpaneto Matteo; Fazio Paolo; Marchesoni Mario; Parodi Gianluca  
? Keywords: Direct current (dc)-link current sensor | low-cost implementation | permanent-magnet synchronous motors (PMSMs) | sensorless control  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)  
? Control and Systems Engineering (Q1, rank 17, percentile 95)  
2012:  
? Control and Systems Engineering (Q1, rank 1, percentile 99)  
? Subject (Q1, rank 2, percentile 99)

- ? Electrical and Electronic Engineering (Q1, rank 6, percentile 99)  
? Source Id: 26053  
? Author Ids: 14422109200;52363412900;6701827441;52364526400  
? Authoraffiliationids: 60083822;60025153;60025153;60025153  
? Corresponding: Carpaneto M.
84.  
? Title: A new generalized fault tolerant space vector modulator for cascaded multilevel converters  
? Venue: IECON Proceedings Industrial Electronics Conference  
? Year: 2011  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/lecon.2011.6119456  
? Scopus ID: 2-s2.0-84856527784  
? Pages: 1069-1074  
? Authors: Maragliano Gianmarco; Marchesoni Mario; Parodi Gianluca; Vaccaro Luis  
? Source Id: 56670  
? Author Ids: 36778746300;6701827441;52364526400;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Maragliano G.
85.  
? Title: A new fault tolerant NPC converter system for high power induction motor drives  
? Venue: Sdemped 2011 8th IEEE Symposium on Diagnostics for Electrical Machines Power Electronics and Drives  
? Year: 2011  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 36  
? Doi: 10.1109/Demped.2011.6063645  
? Scopus ID: 2-s2.0-81255147065  
? Pages: 337-343  
? Authors: Farnesi Stefano; Fazio Paolo; Marchesoni Mario  
? Keywords: converter control | converter diagnostics | Fault tolerance | induction motor drive | multilevel converters | NPC converter  
? Source Id: 20500195085  
? Author Ids: 54392715100;52363412900;6701827441  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Farnesi S.
86.  
? Title: A new capacitor balancing technique in diode-clamped multilevel converters with active front end for extended operation range  
? Venue: Proceedings of the 2011 14th European Conference on Power Electronics and Applications EPE 2011  
? Year: 2011  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 14  
? Scopus ID: 2-s2.0-80053525215  
? Authors: Fazio P.; Maragliano G.; Marchesoni M.; Vaccaro L.  
? Keywords: Active Front-End | Adjustable speed drive | Converter Control | Modulation strategy | Multilevel converters  
? Source Id: 20000195013

- ? Author Ids: 52363412900;36778746300;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Fazio P.
87.  
? Title: A new fault detection method for NPC converters  
? Venue: Proceedings of the 2011 14th European Conference on Power Electronics and Applications EPE 2011  
? Year: 2011  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 30  
? Scopus ID: 2-s2.0-80053524581  
? Authors: Fazio Paolo; Maragliano Gianmarco; Marchesoni Mario; Parodi Gianluca  
? Keywords: Diagnostics | Fault handling strategy | Fault tolerance | Industrial application | Multilevel converters  
? Source Id: 20000195013  
? Author Ids: 52363412900;36778746300;6701827441;52364526400  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Fazio P.
88.  
? Title: A novel direct torque control strategy for high power induction motor drives  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Isie.2010.5636610  
? Scopus ID: 2-s2.0-78650400747  
? Pages: 1175-1180  
? Authors: Maragliano G.; Marchesoni M.; Vaccaro L.  
? Source Id: 85690  
? Author Ids: 36778746300;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Maragliano G.
89.  
? Title: FPGA implementation of a sensorless PMSM drive control algorithm based on algebraic method  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 11  
? Doi: 10.1109/Isie.2010.5637857  
? Scopus ID: 2-s2.0-78650398027  
? Pages: 3083-3088  
? Authors: Maragliano G.; Marchesoni M.; Vaccaro L.  
? Source Id: 85690  
? Author Ids: 36778746300;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Maragliano G.
90.  
? Title: A sensorless PMSM drive operating in the field weakening region using only one current sensor  
? Venue: IEEE International Symposium on Industrial Electronics

? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Isie.2010.5636889  
? Scopus ID: 2-s2.0-78650381299  
? Pages: 1199-1204  
? Authors: Carpaneto M.; Marchesoni M.; Parodi G.  
? Source Id: 85690  
? Author Ids: 14422109200;6701827441;52364526400  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Carpaneto M.

91.

? Title: A simple induction motor speed estimator: Performance evaluation from low speed to field weakening region  
? Venue: 19th International Conference on Electrical Machines ICEM 2010  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Icelmach.2010.5608007  
? Scopus ID: 2-s2.0-78649611283  
? Authors: Carpaneto Matteo; Marchesoni Mario  
? Keywords: Direct torque control | Induction motor drives | Sensorless operation | Speed estimation | Vector control  
? Source Id: 19700182649  
? Author Ids: 14422109200;6701827441  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Carpaneto M.

92.

? Title: Operating limits in multilevel MPC inverters with Active Front Ends  
? Venue: Speedam 2010 International Symposium on Power Electronics Electrical Drives Automation and Motion  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 15  
? Doi: 10.1109/Speedam.2010.5542193  
? Scopus ID: 2-s2.0-77956607534  
? Pages: 192-197  
? Authors: Marchesoni M.; Vaccaro L.  
? Keywords: Balancing capacitors voltage | DCM | MPC | Multilevel converters  
? Source Id: 19700180524  
? Author Ids: 6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Marchesoni M.

93.

? Title: Practical implementation of a sensorless field oriented PMSM drive with output AC filter  
? Venue: Speedam 2010 International Symposium on Power Electronics Electrical Drives Automation and Motion  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper

- ? Citations: 3  
? Doi: 10.1109/Speedam.2010.5545088  
? Scopus ID: 2-s2.0-77956585755  
? Pages: 318-323  
? Authors: Carpaneto M.; Marchesoni M.; Vallini G.  
? Keywords: AC power filter | Field orientation | Permanent Magnet Synchronous Motor | Sensorless control  
? Source Id: 19700180524  
? Author Ids: 14422109200;6701827441;56835893500  
? Authoraffiliationids: 60025153;60025153;60083822  
? Corresponding: Carpaneto M.
94.  
? Title: A new procedure to detect rotor position during startup in medium voltage synchronous motor drives with incremental encoder  
? Venue: 2009 13th European Conference on Power Electronics and Applications EPE 09  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Scopus ID: 2-s2.0-72949101805  
? Authors: Segarich Paolo; Carpaneto Matteo; Marchesoni Mario; De Cian Alessio; Ladisa Claudia; Soso Francesco  
? Keywords: Absolute encoder | Brushless exciter | Synchronous motors | Voltage source inverter  
? Source Id: 19500157487  
? Author Ids: 7801596700;14422109200;6701827441;12790325500;24721849300;35249557100  
? Authoraffiliationids: 101156469;60025153;60025153;60122276;60122276;60122276  
? Corresponding: Segarich P.
95.  
? Title: A new sensorless permanent magnet synchronous motor algorithm based on algebraic method  
? Venue: 2009 13th European Conference on Power Electronics and Applications EPE 09  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 7  
? Scopus ID: 2-s2.0-72949089350  
? Authors: Carpaneto M.; Maragliano G.; Marchesoni M.; Vaccaro L.  
? Keywords: Estimation technique | Permanent magnet motor | Sensorless control  
? Source Id: 19500157487  
? Author Ids: 14422109200;36778746300;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Carpaneto M.
96.  
? Title: A new energy storage and conversion system for boat propulsion in protected marine areas  
? Venue: 2009 International Conference on Clean Electrical Power Iccep 2009  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 11  
? Doi: 10.1109/Iccep.2009.5212030  
? Scopus ID: 2-s2.0-70350733905  
? Pages: 363-369

? Authors: Barabino G.; Carpaneto M.; Comacchio L.; Marchesoni M.; Novella G. P.  
? Keywords: Boat propulsion | Energy storage system | Hybrid system | Multiple-input converter  
? Source Id: 19400157404  
? Author Ids: 7004625296;14422109200;35182664200;6701827441;35183839000  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;107984761  
? Corresponding: Barabino G.

97.

? Title: Faults analysis and remedial strategies in high power neutral point clamped converters  
? Venue: PESC Record IEEE Annual Power Electronics Specialists Conference  
? Year: 2008  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 21  
? Doi: 10.1109/Pesc.2008.4592366  
? Scopus ID: 2-s2.0-52349093427  
? Issn: 02759306  
? Pages: 2778-2783  
? Authors: Bordignon P.; Carpaneto M.; Marchesoni M.; Tenca P.  
? Source Id: 29048  
? Author Ids: 6603367451;14422109200;6701827441;55962997800  
? Authoraffiliationids: 60122276;60025153;60000251-60025153;60000251-60122276  
? Corresponding: Bordignon P.

98.

? Title: Adjustment of machine voltage in drives operating at constant power:  
Consequences for the inverter  
? Venue: Speedam 2008 International Symposium on Power Electronics Electrical Drives  
Automation and Motion  
? Year: 2008  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Speedham.2008.4581266  
? Scopus ID: 2-s2.0-51849133194  
? Pages: 1518-1524  
? Authors: Tenca P.; Borghetti G.; Carpaneto M.; Marchesoni M.; Vaccaro L.  
? Keywords: Electrical motor drives | Inverter saturation | Maximum power transfer |  
Voltage source inverters  
? Source Id: 12100156803  
? Author Ids: 55962997800;24823916700;14422109200;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Tenca P.

99.

? Title: Induction motor direct torque control with improvement in low frequency  
harmonic content  
? Venue: Speedam 2008 International Symposium on Power Electronics Electrical Drives  
Automation and Motion  
? Year: 2008  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Speedham.2008.4581127  
? Scopus ID: 2-s2.0-51849125961

- ? Pages: 124-129  
? Authors: Borghetti G.; Carpaneto M.; Marchesoni M.; Vaccaro L.  
? Keywords: DTC | Induction motor drive | Synchronous PWM | Torque harmonic reduction  
? Source Id: 12100156803  
? Author Ids: 24823916700;14422109200;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Borghetti G.
100.  
? Title: Energy efficiency improvement in AC/DC/AC diode-clamped multilevel conversion systems  
? Venue: Speedam 2008 International Symposium on Power Electronics Electrical Drives Automation and Motion  
? Year: 2008  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Speedham.2008.4581267  
? Scopus ID: 2-s2.0-51749126068  
? Pages: 798-803  
? Authors: Borghetti G.; Carpaneto M.; Marchesoni M.; Tenca P.; Vaccaro L.  
? Keywords: Adjustable speed drive | Converter control | Efficiency | Multilevel converters  
? Source Id: 12100156803  
? Author Ids: 24823916700;14422109200;6701827441;55962997800;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Borghetti G.
101.  
? Title: Multilevel converter for traction applications: Small-scale prototype tests results  
? Venue: IEEE Transactions on Industrial Electronics  
? Year: 2008  
? Type: Journal  
? Subtype: Article  
? Citations: 99  
? Doi: 10.1109/Tie.2008.918645  
? Scopus ID: 2-s2.0-44349120125  
? Issn: 02780046  
? Volume: 55  
? Issue: 5  
? Pages: 2203-2212  
? Authors: Carpita Mauro; Moser David; Marchesoni Mario; Pellerin Marc  
? Keywords: AC/DC converter | Multilevel systems | Traction motors drives | Transformer  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)  
? Control and Systems Engineering (Q1, rank 17, percentile 95)  
? Source Id: 26053  
? Author Ids: 6603270189;57196801284;6701827441;15623466300  
? Authoraffiliationids: 60101868;60101868;60025153;60004881  
? Corresponding: Carpita M.
102.  
? Title: Implementation of a mixed recursive least-squares and kalman filter approach in parameters, flux, and speed estimation for vector-controlled induction motor drives  
? Venue: Electric Power Components and Systems

? Year: 2008  
? Type: Journal  
? Subtype: Article  
? Citations: 5  
? Doi: 10.1080/15325000701658516  
? Scopus ID: 2-s2.0-41449087955  
? Issn: 15325008  
? eISSN: 15325016  
? Volume: 36  
? Issue: 4  
? Pages: 359-386  
? Authors: Maragliano G.; Marchesoni M.  
? Keywords: Induction motor drive | Kalman filter | Parameter estimation | Recursive least-squares algorithm  
? Quartile:  
2025:  
? Mechanical Engineering (Q2, rank 221, percentile 69)  
? Electrical and Electronic Engineering (Q2, rank 305, percentile 69)  
? Energy Engineering and Power Technology (Q2, rank 113, percentile 65)  
? Source Id: 16031  
? Author Ids: 36778746300;6701827441  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Maragliano G.

103.

? Title: A new cascaded multilevel converter based on NPC cells  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 2007  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 20  
? Doi: 10.1109/Isie.2007.4374740  
? Scopus ID: 2-s2.0-50049131168  
? Pages: 1033-1038  
? Authors: Carpaneto M.; Marchesoni M.; Vaccaro L.  
? Source Id: 85690  
? Author Ids: 14422109200;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Carpaneto M.

104.

? Title: New dc-dc converter for energy storage system interfacing in fuel cell hybrid electric vehicles  
? Venue: IEEE Transactions on Power Electronics  
? Year: 2007  
? Type: Journal  
? Subtype: Article  
? Citations: 251  
? Doi: 10.1109/Tpel.2006.886650  
? Scopus ID: 2-s2.0-33846905513  
? Issn: 08858993  
? Volume: 22  
? Issue: 1  
? Pages: 301-308  
? Authors: Marchesoni Mario; Vacca Camillo  
? Keywords: Bidirectional converter | Dc-dc power conversion | Fuel cell vehicles

(FCVs) | Multiple-input converter

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)

? Source Id: 26055

? Author Ids: 6701827441;7007051729

? Authoraffiliationids: 60025153;60025153-60077470

? Corresponding: Marchesoni M.

105.

? Title: A novel approach for DC-link voltage ripple reduction in cascaded multilevel converters

? Venue: International Symposium on Power Electronics Electrical Drives Automation and Motion 2006 Speedam 2006

? Year: 2006

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 14

? Doi: 10.1109/Speedam.2006.1649837

? Scopus ID: 2-s2.0-33845578972

? Volume: 2006

? Pages: 571-576

? Authors: Carpaneto M.; Maragliano G.; Marchesoni M.; Vaccaro L. R.

? Keywords: Boost converter | Cascade multilevel converter | Dc-link filter reduction | Medium voltage drives

? Source Id: 5100153512

? Author Ids: 14422109200;36778746300;6701827441;21935399500

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Carpaneto M.

106.

? Title: Development of open-loop and closed-loop techniques for the optimization of modular multilevel conversion structures

? Venue: International Symposium on Power Electronics Electrical Drives Automation and Motion 2006 Speedam 2006

? Year: 2006

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Speedam.2006.1649838

? Scopus ID: 2-s2.0-33845578385

? Volume: 2006

? Pages: 577-582

? Authors: Leskovar S.; Marchesoni M.; Mazzucchelli M.

? Keywords: Cascade multilevel converters | Dc-link filter reduction | Medium voltage drives | Pulse width modulation

? Source Id: 5100153512

? Author Ids: 15623632400;6701827441;15623683200

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Leskovar S.

107.

? Title: A new modular multilevel conversion structure with passive filter minimization

? Venue: IECON Proceedings Industrial Electronics Conference

? Year: 2006

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2  
? Doi: 10.1109/lecon.2006.347332  
? Scopus ID: 2-s2.0-50049089347  
? Pages: 2432-2437  
? Authors: Carpaneto Matteo; Ferrando Giuseppe; Marchesoni Mario; Vaccaro Luis R.  
? Source Id: 56670  
? Author Ids: 14422109200;57199552745;6701827441;21935399500  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Carpaneto M.

108.

? Title: A new conversion system for the interface of generating and storage devices in hybrid fuel-cell vehicles  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/lsie.2005.1529150  
? Scopus ID: 2-s2.0-33748376650  
? Volume: IV  
? Pages: 1477-1482  
? Authors: Carpaneto M.; Ferrando G.; Marchesoni M.; Savio S.  
? Source Id: 85690  
? Author Ids: 14422109200;57199552745;6701827441;7004161333  
? Authoraffiliationids: 60025153;60025153;60000251-60025153;60000251-60025153  
? Corresponding: Carpaneto M.

109.

? Title: The average switch model of a new double-input DC/DC boost converter for hybrid fuel-cell vehicles  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/lsie.2005.1528985  
? Scopus ID: 2-s2.0-33748366045  
? Volume: II  
? Pages: 601-607  
? Authors: Carpaneto M.; Ferrando G.; Marchesoni M.; Vacca C.  
? Source Id: 85690  
? Author Ids: 14422109200;57199552745;6701827441;7007051729  
? Authoraffiliationids: 60025153;60025153;60000251-60025153;60025153  
? Corresponding: Carpaneto M.

110.

? Title: Failures impact analysis for a fuel cell vehicle based on current and future stochastic performances of traction chain power components  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/lsie.2005.1529147  
? Scopus ID: 2-s2.0-33748343628  
? Volume: IV

- ? Pages: 1459-1464  
? Authors: Marchesoni Mario; Savio Stefano  
? Source Id: 85690  
? Author Ids: 6701827441;7004161333  
? Authoraffiliationids: 60000251-60025153;60000251-60025153  
? Corresponding: Marchesoni M.
111.  
? Title: A new control strategy for neutral-point-clamped active rectifiers  
? Venue: IEEE Transactions on Industrial Electronics  
? Year: 2005  
? Type: Journal  
? Subtype: Article  
? Citations: 33  
? Doi: 10.1109/Tie.2005.843909  
? Scopus ID: 2-s2.0-17744367262  
? Issn: 02780046  
? Volume: 52  
? Issue: 2  
? Pages: 462-470  
? Authors: Marchesoni Mario; Segarich Paolo; Soressi Ernesto  
? Keywords: AC-DC power conversion | Active rectifiers | High-power drives | Medium-voltage drives | Neutral-point-clamped (NPC) rectifiers | Pulsewidth modulation (PWM)  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)  
? Control and Systems Engineering (Q1, rank 17, percentile 95)  
? Source Id: 26053  
? Author Ids: 6701827441;7801596700;6505875138  
? Authoraffiliationids: 60025153;100801606;60086239-60122276  
? Corresponding: Marchesoni M.
112.  
? Title: Control techniques for dc-link voltage ripples minimization in cascaded multilevel converter structures  
? Venue: 2005 European Conference on Power Electronics and Applications  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 13  
? DOI: 10.1109/epe.2005.219659  
? Scopus ID: 2-s2.0-33947687855  
? Volume: 2005  
? Authors: Leskovar S.; Marchesoni M.  
? Keywords: Adjustable speed drive | Converter control | Modulation strategy | Multilevel converter | Passive filter  
? Source Id: 5300152709  
? Author Ids: 15623632400;6701827441  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Leskovar S.
113.  
? Title: Reliability analysis of a fuel cell electric city car  
? Venue: 2005 European Conference on Power Electronics and Applications  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper

? Citations: 18  
? DOI: 10.1109/epe.2005.219673  
? Scopus ID: 2-s2.0-33947652316  
? Volume: 2005  
? Authors: Marchesoni Mario; Savio Stefano  
? Keywords: Battery management systems | Fuel cells system | Hybrid electric vehicle | Reliability | Supercapacitor  
? Source Id: 5300152709  
? Author Ids: 6701827441;7004161333  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Marchesoni M.

114.

? Title: Stochastic estimate of redundancy effects for non conventional ac locomotive traction drives  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 2004  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Isie.2004.1571967  
? Scopus ID: 2-s2.0-66549124384  
? Volume: 2  
? Pages: 1099-1104  
? Authors: Fazio Vincenzo; Marchesoni Mario; Savio Stefano  
? Keywords: Power electronics | Redundant architecture | Reliability | Stochastic performance. | Traction drive  
? Source Id: 85690  
? Author Ids: 26641843100;6701827441;7004161333  
? Authoraffiliationids: 100801606;60025153-60000251;60025153-60000251  
? Corresponding: Fazio V.

115.

? Title: A new dc-dc converter structure for power flow management in fuel-cell electric vehicles with energy storage systems  
? Venue: PESC Record IEEE Annual Power Electronics Specialists Conference  
? Year: 2004  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 15  
? Doi: 10.1109/Pesc.2004.1355831  
? Scopus ID: 2-s2.0-8744223322  
? Issn: 02759306  
? Volume: 1  
? Pages: 683-689  
? Authors: Marchesoni M.; Vacca C.  
? Source Id: 29048  
? Author Ids: 6701827441;7007051729  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Marchesoni M.

116.

? Title: Hybrid reactive power compensation system: Advanced control strategy development  
? Venue: 2003 IEEE Bologna Powertech Conference Proceedings  
? Year: 2003  
? Type: Conference Proceeding

? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Ptc.2003.1304773  
? Scopus ID: 2-s2.0-79551483355  
? Volume: 4  
? Pages: 501-508  
? Authors: Marchesoni M.; Mazzucchelli M.; Monne A.  
? Keywords: Active power filters | Flicker | Fourier transform | Harmonics | Instantaneous active and reactive power | Parameter estimation | Power system harmonics | Statcom | Thyristor applications  
? Source Id: 21100496130  
? Author Ids: 6701827441;15623683200;55229305500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Marchesoni M.

117.

? Title: Diode-clamped multilevel converters: A practicable way to balance DC-link voltages  
? Venue: IEEE Transactions on Industrial Electronics  
? Year: 2002  
? Type: Journal  
? Subtype: Article  
? Citations: 320  
? Doi: 10.1109/Tie.2002.801237  
? Scopus ID: 2-s2.0-0036687556  
? Issn: 02780046  
? Volume: 49  
? Issue: 4  
? Pages: 752-765  
? Authors: Marchesoni Mario; Tenca Pierluigi  
? Keywords: High-power drives | Medium-voltage drives | Multilevel converters | Multipoint-clamped converters | Pulsewidth modulation  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)  
? Control and Systems Engineering (Q1, rank 17, percentile 95)  
? Source Id: 26053  
? Author Ids: 6701827441;55962997800  
? Authoraffiliationids: 60000251-60025153;60000251-60025153-60028673  
? Corresponding: Marchesoni M.

118.

? Title: AC locomotive conversion systems without heavy transformers: Is it a practicable solution?  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 2002  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 37  
? DOI: 10.1109/isie.2002.1025955  
? Scopus ID: 2-s2.0-84863296148  
? Volume: 4  
? Pages: 1172-1177  
? Authors: Marchesoni Mario; Novaro Roberto; Savio Stefano  
? Source Id: 85690  
? Author Ids: 6701827441;9235503200;7004161333

? Authoraffiliationids: 60025153;100860496;60025153

? Corresponding: Marchesoni M.

119.

? Title: DC-link filter capacitors reduction in multilevel modular H-bridge converter structures  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 2002  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? DOI: 10.1109/isie.2002.1025853  
? Scopus ID: 2-s2.0-79954511244  
? Volume: 3  
? Pages: 902-907  
? Authors: Marchesoni Mario  
? Source Id: 85690  
? Author Ids: 6701827441  
? Authoraffiliationids: 60025153  
? Corresponding: Marchesoni M.

120.

? Title: Optimal controller for voltage balance and power losses reduction in MPC AC/DC/AC converters  
? Venue: PESC Record IEEE Annual Power Electronics Specialists Conference  
? Year: 2000  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 22  
? Doi: 10.1109/Pesc.2000.879896  
? Scopus ID: 2-s2.0-0034472698  
? Issn: 02759306  
? Volume: 2  
? Pages: 662-667  
? Authors: Marchesoni M.; Mazzucchelli M.; Tenca P.  
? Source Id: 29048  
? Author Ids: 6701827441;15623683200;55962997800  
? Authoraffiliationids: 60032259;60032259;60032259  
? Corresponding: Marchesoni M.

121.

? Title: Minimum-energy-based capacitor voltage balancing control strategy for MPC conversion systems  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 1999  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 31  
? Scopus ID: 2-s2.0-0033314854  
? Volume: 1  
? Pages: 20-25  
? Authors: Marchesoni Mario; Mazzucchelli Maurizio; Robinson Francis V.P.; Tenca Pierluigi  
? Source Id: 85690  
? Author Ids: 6701827441;15623683200;7202156357;55962997800  
? Authoraffiliationids: 60032259;60032259;60032259;60032259  
? Corresponding: Marchesoni M.

122.

- ? Title: A microcontroller-based sensorless stator flux-oriented asynchronous motor drive for traction applications
- ? Venue: IEEE Transactions on Power Electronics
- ? Year: 1998
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 18
- ? Doi: 10.1109/63.704156
- ? Scopus ID: 2-s2.0-0032124065
- ? Issn: 08858993
- ? Volume: 13
- ? Issue: 4
- ? Pages: 777-785
- ? Authors: Lovati Valter; Marchesoni Mario; Oberti Maurizio; Segarich Paolo
- ? Keywords: Electrical traction | Induction motor | Microcontroller | Sensorless | Vector control
- ? Quartile:
- 2025:
  - ? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)
- ? Source Id: 26055
- ? Author Ids: 6506977434;6701827441;6603279791;7801596700
- ? Authoraffiliationids: 100630279;60000251-60032259;100630279;102036459
- ? Corresponding: Lovati V.

123.

- ? Title: About the DC-link capacitors voltage balance in multi-point clamped converters
- ? Venue: IECON Proceedings Industrial Electronics Conference
- ? Year: 1998
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 18
- ? Scopus ID: 2-s2.0-0032293151
- ? Volume: 1
- ? Pages: 548-553
- ? Authors: Marchesoni Mario; Mazzucchelli Maurizio; Tenca Pierluigi
- ? Source Id: 56670
- ? Author Ids: 6701827441;15623683200;55962997800
- ? Authoraffiliationids: 60032259;60032259;60032259
- ? Corresponding: Marchesoni M.

124.

- ? Title: Chattering reduction and robust position control in induction motor with second-order VSS
- ? Venue: International Journal of Systems Science
- ? Year: 1998
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 8
- ? Doi: 10.1080/00207729808929490
- ? Scopus ID: 2-s2.0-0031682367
- ? Issn: 00207721
- ? eISSN: 14645319
- ? Volume: 29
- ? Issue: 1
- ? Pages: 1-12

? Authors: Bartolini G.; Marchesoni M.; Pisu P.; Usai E.

? Quartile:

2025:

? Theoretical Computer Science (Q1, rank 22, percentile 84)

? Control and Systems Engineering (Q1, rank 63, percentile 83)

? Computer Science Applications (Q1, rank 183, percentile 81)

? Source Id: 12419

? Author Ids: 24439045900;6701827441;57206310268;7005556689

? Authoraffiliationids: 60032259;60032259;60025153;60032259

? Corresponding: Bartolini G.

125.

? Title: Optimization of harmonic performances in multilevel converter structures

? Venue: IEEE International Symposium on Industrial Electronics

? Year: 1997

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 16

? Scopus ID: 2-s2.0-0031332689

? Volume: 2

? Pages: 341-346

? Authors: Damiano Alfonso; Marchesoni Mario; Marongiu Ignazio; Taffone Andrea

? Source Id: 85690

? Author Ids: 7005770813;6701827441;6603917482;6506446305

? Authoraffiliationids: 60032259;60032259;60032259;60032259

? Corresponding: Damiano A.

126.

? Title: A simple approach to flux and speed observation in induction motor drives

? Venue: IEEE Transactions on Industrial Electronics

? Year: 1997

? Type: Journal

? Subtype: Article

? Citations: 42

? Doi: 10.1109/41.605630

? Scopus ID: 2-s2.0-0031199603

? Issn: 02780046

? Volume: 44

? Issue: 4

? Pages: 528-535

? Authors: Marchesoni Mario

? Keywords: Flux and speed estimation | Induction motor | Low-cost | Microcontroller | Vector control

? Quartile:

2025:

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

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

? Source Id: 26053

? Author Ids: 6701827441

? Authoraffiliationids: 60032259

? Corresponding: Marchesoni M.

127.

? Title: High computational power and great interfacing capability for electric drives control: a new surface-mount DSP based system

? Venue: Proceedings of the Mediterranean Electrotechnical Conference MELECON

? Year: 1996

? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Scopus ID: 2-s2.0-0030357552  
? Volume: 1  
? Pages: 346-349  
? Authors: Marchesoni M.; Sciutto G.; Segarich P.; Soressi E.; Taffone A.  
? Source Id: 57064  
? Author Ids: 6701827441;7003892246;7801596700;6505875138;6506446305  
? Authoraffiliationids: 60032259;60032259;60032259;60032259;60032259  
? Corresponding: Marchesoni M.

128.

? Title: Experimental study of a power conditioning system using sliding mode control  
? Venue: IEEE Transactions on Power Electronics  
? Year: 1996  
? Type: Journal  
? Subtype: Article  
? Citations: 156  
? Doi: 10.1109/63.535405  
? Scopus ID: 2-s2.0-0030241638  
? Issn: 08858993  
? Volume: 11  
? Issue: 5  
? Pages: 731-742  
? Authors: Carpita Mauro; Marchesoni Mario  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)  
? Source Id: 26055  
? Author Ids: 6603270189;6701827441  
? Authoraffiliationids: 60073836;60000251-60032259  
? Corresponding: Carpita M.

129.

? Title: Induction motor drive with stator flux oriented control low-cost implementation  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 1996  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Scopus ID: 2-s2.0-0029746931  
? Volume: 1  
? Pages: 168-173  
? Authors: Lovati V.; Oberti M.; Marchesoni M.; Segarich P.  
? Source Id: 85690  
? Author Ids: 6506977434;6603279791;6701827441;7801596700  
? Authoraffiliationids: 100689503;100689503;100689503;100689503  
? Corresponding: Lovati V.

130.

? Title: Implementation of a sensorless stator flux oriented asynchronous motor drive with high performances at low-speed operation  
? Venue: PESC Record IEEE Annual Power Electronics Specialists Conference  
? Year: 1996  
? Type: Unknown

? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Pesc.1996.548769  
? Scopus ID: 2-s2.0-0029727154  
? Issn: 02759306  
? Volume: 2  
? Pages: 1427-1433  
? Authors: Lovati V.; Marchesoni M.; Oberti M.; Segarich P.  
? Source Id: 29048  
? Author Ids: 6506977434;6701827441;6603279791;7801596700  
? Authoraffiliationids: 100689503;100689503;100689503;100689503  
? Corresponding: Lovati V.

131.

? Title: Exploitation of low-cost microcontroller potentialities to develop fully digital rotor flux oriented induction motor drives  
? Venue: IECON Proceedings Industrial Electronics Conference  
? Year: 1995  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Scopus ID: 2-s2.0-0029532719  
? Volume: 1  
? Pages: 506-511  
? Authors: Giacobbe F.; Marchesoni M.; Segarich P.; Taffone A.  
? Source Id: 56670  
? Author Ids: 7003285852;6701827441;7801596700;6506446305  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Giacobbe F.

132.

? Title: Analysis and modelling of the auxiliary quasi-resonant DC link inverter applied to ac electric vehicle drives  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 1995  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Scopus ID: 2-s2.0-0029493052  
? Volume: 2  
? Pages: 558-563  
? Authors: Marchesoni M.; Puglisi L.; Rebora A.  
? Source Id: 85690  
? Author Ids: 6701827441;7006443886;35796300500  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Marchesoni M.

133.

? Title: Sliding Mode Multilevel Control for Improved Performances in Power Conditioning Systems  
? Venue: IEEE Transactions on Power Electronics  
? Year: 1995  
? Type: Journal  
? Subtype: Article  
? Citations: 28  
? Doi: 10.1109/63.391943  
? Scopus ID: 2-s2.0-0029341239

? Issn: 08858993  
? eISSN: 19410107  
? Volume: 10  
? Issue: 4  
? Pages: 453-463  
? Authors: Casini Dante; Marchesoni Mario; Puglisi Luciano  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)  
? Source Id: 26055  
? Author Ids: 6701575250;6701827441;7006443886  
? Authoraffiliationids: 60028868;60025153;60025153  
? Corresponding: Casini D.

134.  
? Title: Simple approach to flux and speed observation in induction motor drives  
? Venue: IECON Proceedings Industrial Electronics Conference  
? Year: 1994  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Scopus ID: 2-s2.0-0028754197  
? Volume: 1  
? Pages: 305-310  
? Authors: Marchesoni M.; Segarich P.; Soressi E.  
? Source Id: 56670  
? Author Ids: 6701827441;7801596700;6505875138  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Marchesoni M.

135.  
? Title: Low cost microcontroller based system for high performance AC motor drives development  
? Venue: IECON Proceedings Industrial Electronics Conference  
? Year: 1994  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Scopus ID: 2-s2.0-0028745415  
? Volume: 3  
? Pages: 1802-1806  
? Authors: Marchesoni M.; Puglisi L.; Segarich P.  
? Source Id: 56670  
? Author Ids: 6701827441;7006443886;7801596700  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Marchesoni M.

136.  
? Title: Development and use of a new object oriented simulator for analysing industrial plant power and control system  
? Venue: Mediterranean Electrotechnical Conference MELECON  
? Year: 1994  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Scopus ID: 2-s2.0-0028727321  
? Volume: 3

? Authors: Ghiara T.; Imovilli A.; Marchesoni M.; Rinaldi G.  
? Source Id: 95558  
? Author Ids: 6603501030;57214635444;6701827441;57196696532  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Ghiara T.

137.

? Title: Multilevel converters for high power AC drives: A review  
? Venue: IEEE International Symposium on Industrial Electronics  
? Year: 1993  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 101  
? Doi: 10.1109/Isie.1993.268818  
? Scopus ID: 2-s2.0-84988781886  
? Pages: 38-43  
? Authors: Marchesoni M.; Mazzucchelli M.  
? Source Id: 85690  
? Author Ids: 6701827441;15623683200  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Marchesoni M.

138.

? Title: Development and test of a new advanced DSP based architecture for robotics drives control  
? Venue: IECON Proceedings Industrial Electronics Conference  
? Year: 1993  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/lecon.1993.339355  
? Scopus ID: 2-s2.0-84939741567  
? Volume: 3  
? Pages: 1848-1853  
? Authors: Marchesoni M.; Rossi G.; Scaglia A.; Segarich P.  
? Source Id: 56670  
? Author Ids: 6701827441;57202002708;57073673400;7801596700  
? Authoraffiliationids: 60025153;60073836;60025153;60025153  
? Corresponding: Marchesoni M.

139.

? Title: AC/DC/AC High Voltage Traction Drives with Quasi-Zero Reactive Power Demand  
? Venue: IEEE Transactions on Power Electronics  
? Year: 1993  
? Type: Journal  
? Subtype: Article  
? Citations: 6  
? Doi: 10.1109/63.261036  
? Scopus ID: 2-s2.0-0027678446  
? Issn: 08858993  
? eISSN: 19410107  
? Volume: 8  
? Issue: 4  
? Pages: 632-639  
? Authors: Bertini Sandro; Ghiara Tommaso; Marchesoni Mario  
? Quartile:  
2025:

- ? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)
  - ? Source Id: 26055
  - ? Author Ids: 7005563446;6603501030;6701827441
  - ? Authoraffiliationids: 60025153;60025153;60025153
  - ? Corresponding: Bertini S.
- 140.
- ? Title: Direct self control versus field orientation in high power induction motor drives
  - ? Venue: IEEE AFRICON Conference
  - ? Year: 1992
  - ? Type: Conference Proceeding
  - ? Subtype: Conference Paper
  - ? Citations: 0
  - ? Doi: 10.1109/Afrcon.1992.624431
  - ? Scopus ID: 2-s2.0-85065605980
  - ? Issn: 21530025
  - ? eISSN: 21530033
  - ? Volume: 1992-September
  - ? Pages: 115-118
  - ? Authors: Fracchia M.; Marchesoni M.
  - ? Quartile:
    - 2025:
      - ? Electrical and Electronic Engineering (Q3, rank 667, percentile 33)
      - ? Computer Science Applications (Q3, rank 705, percentile 28)
  - ? Source Id: 88865
  - ? Author Ids: 7004022170;6701827441
  - ? Authoraffiliationids: 60025153;60025153
  - ? Corresponding: Fracchia M.
- 141.
- ? Title: Optimized modulation techniques for the generalized n-level converter
  - ? Venue: PESC Record IEEE Annual Power Electronics Specialists Conference
  - ? Year: 1992
  - ? Type: Conference Proceeding
  - ? Subtype: Conference Paper
  - ? Citations: 112
  - ? Doi: 10.1109/Pesc.1992.254737
  - ? Scopus ID: 2-s2.0-85053980961
  - ? Issn: 02759306
  - ? Pages: 1205-1213
  - ? Authors: Fracchia M.; Ghiara T.; Marchesoni M.; Mazzucchelli M.
  - ? Source Id: 29048
  - ? Author Ids: 7004022170;6603501030;6701827441;15623683200
  - ? Authoraffiliationids: 60025153;60025153;60025153;60025153
  - ? Corresponding: Fracchia M.
- 142.
- ? Title: A New Multilevel PWM Method: A Theoretical Analysis
  - ? Venue: IEEE Transactions on Power Electronics
  - ? Year: 1992
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 966
  - ? Doi: 10.1109/63.145137
  - ? Scopus ID: 2-s2.0-0026884881
  - ? Issn: 08858993

? eISSN: 19410107

? Volume: 7

? Issue: 3

? Pages: 497-505

? Authors: Carrara Giuseppe; Gardella Simone; Marchesoni Mario; Salutari Raffaele; Sciutto Giuseppe

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)

? Source Id: 26055

? Author Ids: 7004859304;6603909515;6701827441;6507453462;7003892246

? Authoraffiliationids: 60028868;;60025153;60028868;60025153

? Corresponding: Carrara G.

143.

? Title: High-performance current control techniques for applications to multilevel high-power voltage source inverters

? Venue: IEEE Transactions on Power Electronics

? Year: 1992

? Type: Journal

? Subtype: Article

? Citations: 104

? Doi: 10.1109/63.124591

? Scopus ID: 2-s2.0-0026627013

? Issn: 08858993

? Volume: 7

? Issue: 1

? Pages: 189-204

? Authors: Marchesoni Mario

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)

? Source Id: 26055

? Author Ids: 6701827441

? Authoraffiliationids: 60025153

? Corresponding: Marchesoni M.

144.

? Title: A new multilevel PWM method: A theoretical analysis

? Venue: PESC Record IEEE Annual Power Electronics Specialists Conference

? Year: 1990

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 97

? Scopus ID: 2-s2.0-0025641517

? Issn: 02759306

? Pages: 363-371

? Authors: Carrara G.; Gardella S.; Marchesoni M.; Salutari R.; Sciutto G.

? Source Id: 29048

? Author Ids: 7004859304;6603909515;6701827441;6507453462;7003892246

? Authoraffiliationids: 100343190;100343190;100343190;100343190;100343190

? Corresponding: Carrara G.

145.

? Title: High power factor control system in multilevel converters for AC heavy traction drives

? Venue: Conference Proceedings IEEE Applied Power Electronics Conference and Exhibition

APEC

? Year: 1990  
? Type: Journal  
? Subtype: Article  
? Citations: 5  
? DOI: 10.1109/apec.1990.66368  
? Scopus ID: 2-s2.0-0025629782  
? Pages: 672-680  
? Authors: Ghiara T.; Marchesoni M.; Sciutto G.  
? Source Id: 95641  
? Author Ids: 6603501030;6701827441;7003892246  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Ghiara T.

146.

? Title: A Nonconventional Power Converter for Plasma Stabilization  
? Venue: IEEE Transactions on Power Electronics  
? Year: 1990  
? Type: Journal  
? Subtype: Article  
? Citations: 152  
? Doi: 10.1109/63.53158  
? Scopus ID: 2-s2.0-0024650487  
? Issn: 08858993  
? eISSN: 19410107  
? Volume: 5  
? Issue: 2  
? Pages: 212-219  
? Authors: Marchesoni Mario; Mazzucchelli Maurizio; Tenconi Sandro  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)  
? Source Id: 26055  
? Author Ids: 6701827441;15623683200;6701663536  
? Authoraffiliationids: 60025153;60025153;60073836  
? Corresponding: Marchesoni M.

147.

? Title: High performance current control techniques for applications to multilevel high power voltage source inverters  
? Venue: PESC Record IEEE Annual Power Electronics Specialists Conference  
? Year: 1989  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 18  
? Scopus ID: 2-s2.0-0024897484  
? Issn: 02759306  
? Volume: 2  
? Pages: 672-682  
? Authors: Marchesoni M.  
? Source Id: 29048  
? Author Ids: 6701827441  
? Authoraffiliationids: 60025153  
? Corresponding: Marchesoni M.

148.

? Title: Variable structure control system applied to multilevel power conditioning

converters

? Venue: European Space Agency Special Publication ESA SP

? Year: 1989

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Scopus ID: 2-s2.0-0024719519

? Issn: 03796566

? Issue: 294

? Pages: 381-388

? Authors: Casini D.; Marchesoni M.; Puglisi L.

? Source Id: 27179

? Author Ids: 6701575250;6701827441;7006443886

? Authoraffiliationids: 60028868;60028868;60028868

? Corresponding: Casini D.

149.

? Title: Approach to filter design for UPS systems using PRM modulators

? Venue: IEE Conference Publication

? Year: 1988

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-0024132859

? Issn: 05379989

? Issue: 291

? Pages: 169-172

? Authors: Cesario P.; Marchesoni M.; Mazzucchelli M.; Oberti M.

? Source Id: 34914

? Author Ids: 7801585159;6701827441;15623683200;6603279791

? Authoraffiliationids: 60028868;60028868;60028868;60028868

? Corresponding: Cesario P.

150.

? Title: Power conditioning system using sliding mode control.

? Venue: PESC Record IEEE Annual Power Electronics Specialists Conference

? Year: 1988

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 45

? Scopus ID: 2-s2.0-0024132318

? Issn: 02759306

? Pages: 626-633

? Authors: Carpita M.; Marchesoni M.; Oberti M.; Puglisi L.

? Source Id: 29048

? Author Ids: 6603270189;6701827441;6603279791;7006443886

? Corresponding: Carpita M.

151.

? Title: Non-conventional power converter for plasma stabilization.

? Venue: PESC Record IEEE Annual Power Electronics Specialists Conference

? Year: 1988

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 199

? Scopus ID: 2-s2.0-0024127639

? Issn: 02759306

? Pages: 122-129

? Authors: Marchesoni M.; Mazzucchelli M.; Tenconi S.

? Source Id: 29048

? Author Ids: 6701827441;15623683200;6701663536

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Marchesoni M.