

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

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? 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; Cosso 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 | luenberger 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 Icccep 2025
 - ? Year: 2025
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.1109/Icccep65222.2025.11143775
 - ? 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 Icccep 2025
 - ? Year: 2025
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.1109/Icccep65222.2025.11143723
 - ? Scopus ID: 2-s2.0-105016628730
 - ? Pages: 823-829
 - ? Authors: Cosso 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: Cosso 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; Cosso 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: Cosso 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: Cosso S.
- 9.
- ? Title: H2-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) | rmH2-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; Cosso 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: Cosso 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: Cosso 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; Cosso 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/EPE23ECCEEurope58414.2023.10264606

? 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; Cosso 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; Cosso 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; Cosso 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: Cosso 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: Cosso 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; Cosso 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; Cosso 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
? 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; Cosso 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/EPE20ECCEurope43536.2020.9215752
? 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 S^{bastien}
? 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[^]bastien; 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[^]d[^]ric; 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/EPE17ECCEEurope.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 Psc 2016
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 14
? Doi: 10.1109/Psc.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;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 Pcmc 2012 Ecce Europe
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 17
? Doi: 10.1109/Epepcmc.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 Pcmc 2012 Ecce Europe
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Epepcmc.2012.6397328
? Scopus ID: 2-s2.0-84874229260
? Pages: DS3b.188
? Authors: Marchesoni M.; Bordinon 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 Icccep 2009
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Icccep.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/Isie.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/Isie.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/Isie.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

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? 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.