

VACCARO LUIS RAMON

Overview

- ? Unit: ELE
- ? Role: Professore associato
- ? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 0
- ? SSD: IIND-08/A (Convertitori, macchine e azionamenti elettrici)
- ? Scopus ID: 21935399500
- ? Unige Id: 701156
- ? Retrieved at: 2025-11-14T15:15:15.125951

Contact

- ? Email: luis.vaccaro@unige.it
- ? Phone: 010 33 52180
- ? Page: <https://rubrica.unige.it/personale/UkNGWI9v>
- ? Locations: Opera Pia - padiglione D (ED161450401), 1° piano, US161450401.I.027

Career

- ? Ar, 2013-03-02 ? 2018-09-30
- ? Cb, 2014-05-30 ? 2015-09-18
- ? Rd, 2018-10-01 ? 2024-09-30
- ? Pa, 2024-10-01 ? 2222-02-02

Responsibilities

- ? Title: Delegato del Rettore
 - ? Unit: Universit^ Degli Studi Di Genova
 - ? Period: 2025-03-20 ? 2026-10-31
- ? Title: Membro della Giunta di dipartimento
 - ? Unit: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN
 - ? Period: 2024-11-01 ? 2027-10-31

Teaching

2025

- ? Laboratorio Software E Hardware Per I Sistemi Elettronici Di Potenza (101447), Lm-28 - Ingegneria Elettrica
- ? Azionamenti Elettrici (72307), L-9 - Ingegneria Meccanica
- ? Azionamenti Elettrici (72307), L-9 - Ingegneria Meccanica

2024

- ? Laboratorio Software E Hardware Per I Sistemi Elettronici Di Potenza (101447), Lm-28 - Ingegneria Elettrica
- ? Azionamenti Elettrici (72307), L-9 - Ingegneria Meccanica

2023

- ? Laboratorio Software E Hardware Per I Sistemi Elettronici Di Potenza (101447), Lm-28 - Ingegneria Elettrica
- ? Laboratorio Software E Hardware Per I Sistemi Elettronici Di Potenza (101447), Lm-28 - Ingegneria Elettrica
- ? Azionamenti Elettrici (72307), L-9 - Ingegneria Meccanica

2022

- ? Laboratorio Software E Hardware Per I Sistemi Elettronici Di Potenza (101447), Lm-28 -

Ingegneria Elettrica

? Azionamenti Elettrici (72307), L-9 - Ingegneria Meccanica

2021

? Laboratorio Software E Hardware Per I Sistemi Elettronici Di Potenza (101447), Lm-28 -
Ingegneria Elettrica

2020

? Laboratorio Software E Hardware Per I Sistemi Elettronici Di Potenza (101447), Lm-28 -
Ingegneria Elettrica

Scopus Metrics

? absolute; Docs: 78; Journals: 26; Conferences: 52; Citations: 558; H-index: 14

? 15 years (2010-2025); Docs: 69; Journals: 26; Conferences: 43; Citations: 487; H-index:
14

? 10 years (2015-2025); Docs: 57; Journals: 26; Conferences: 31; Citations: 366; H-index:
12

? 05 years (2020-2025); Docs: 41; Journals: 22; Conferences: 19; Citations: 215; H-index:
9

Scopus Products

1.

? Title: Efficiency Performance of 7-Level Multiplexed and 3-Level Neutral Point
Clamped (NPC) Converters

? Venue: Energies

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? DOI: 10.3390/en18092161

? Scopus ID: 2-s2.0-105004856805

? eISSN: 19961073

? Volume: 18

? Issue: 9

? Authors: Hussain Shafquat; Cocco Simone; Passalacqua Massimiliano; Vaccaro Luis
Ramon; Formentini Andrea; Marchesoni Mario

? Keywords: balancing of flying capacitors | conduction losses | efficiency |
multiplexed multilevel converter | neutral point clamped converter | switching losses |
three phase

? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)

? Engineering (miscellaneous) (Q1, rank 38, percentile 86)

? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)

? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)

? Fuel Technology (Q2, rank 40, percentile 70)

? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)

? Energy (miscellaneous) (Q2, rank 39, percentile 64)

? Source Id: 62932

? Author Ids: 57225936087;57324695200;57195070159;21935399500;55370605300;6701827441

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

? Corresponding: Hussain S.

2.

? Title: Synchronous DTC for torque sub-harmonic reduction in low switching frequency

induction motor drives

? Venue: Control Engineering Practice

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 3

? DOI: 10.1016/j.conengprac.2024.106133

? Scopus ID: 2-s2.0-85207857965

? Issn: 09670661

? Volume: 154

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

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

Synchronous modulation

? Quartile:

2025:

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

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

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

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

? Source Id: 18174

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

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

? Corresponding: Benevieri A.

3.

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

? Venue: IEEE Transactions on Energy Conversion

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 2

? Doi: 10.1109/Tec.2024.3433590

? Scopus ID: 2-s2.0-85199493229

? Issn: 08858969

? eISSN: 15580059

? Volume: 40

? Issue: 1

? Pages: 3-15

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

? Keywords: induction motor | 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 Iccep 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iccep65222.2025.11143775
? Scopus ID: 2-s2.0-105016699228
? Pages: 798-802
? Authors: Mellado Nicolas; Benevieri Alessandro; Carrasco Claudia; Marchesoni Mario; Moran Luis; Vaccaro Luis
? Keywords: electrolyzer degradation | intermittent operation | minimum current operation | PEM water electrolyzer
? Source Id: 21101333300
? Author Ids: 60109262400;57226763007;7004451923;6701827441;57189078954;21935399500
? Authoraffiliationids: 60025153;60025153;60001282;60001282;60001282;60025153
? Corresponding: Mellado N.

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

7.
? Title: Reactive Power Compensation System for the Chilean HVDC Transmission Line

? Venue: 2025 Aeit Hvdc International Conference Aeit Hvdc 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Aeithvdc66044.2025.11079531
? Scopus ID: 2-s2.0-105012574207
? Authors: Jorge Araneda D.; Yuyuniz G^lvez C.; Luis Mor^jn T.; Vaccaro Luis
? Keywords: HVDC systems | renewable energy | STATCOM | synchronous condensers | var compensation
? Source Id: 21101318126
? Author Ids: 60029818000;60030691400;57220526233;21935399500
? Authoraffiliationids: 60001282;60001282;60001282;60025153
? Corresponding: Jorge Araneda D.

- 8.
- ? Title: Advances and Perspectives in Multilevel Converters: A Comprehensive Review
 - ? Venue: Electronics Switzerland
 - ? Year: 2024
 - ? Type: Journal
 - ? Subtype: Review
 - ? Citations: 6
 - ? DOI: 10.3390/electronics13234736
 - ? Scopus ID: 2-s2.0-85211943269
 - ? eISSN: 20799292
 - ? Volume: 13
 - ? Issue: 23
 - ? Authors: Benevieri Alessandro; Cocco Simone; Formentini Andrea; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
 - ? Keywords: high-power applications | medium-voltage drives | modulation | multilevel converters (MLCs) | power converters | power electronics | topologies | voltage source inverter (VSI)
 - ? Quartile:
 - 2025:
 - ? Signal Processing (Q1, rank 36, percentile 81)
 - ? Electrical and Electronic Engineering (Q1, rank 220, percentile 78)
 - ? Control and Systems Engineering (Q1, rank 91, percentile 76)
 - ? Computer Networks and Communications (Q1, rank 131, percentile 76)
 - ? Hardware and Architecture (Q2, rank 62, percentile 73)
 - 2024:
 - ? Electrical and Electronic Engineering (Q1, rank 228, percentile 76)
 - ? Signal Processing (Q1, rank 44, percentile 76)
 - ? Control and Systems Engineering (Q1, rank 93, percentile 75)
 - ? Computer Networks and Communications (Q2, rank 137, percentile 73)
 - ? Hardware and Architecture (Q2, rank 62, percentile 72)
 - ? Source Id: 21100829272
 - ? Author Ids: 57226763007;57324695200;55370605300;6701827441;57195070159;21935399500
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
 - ? Corresponding: Benevieri A.
- 9.
- ? Title: A New Topology of Multi-Input Bidirectional DC-DC Converters for Hybrid Energy Storage Systems
 - ? Venue: Energies
 - ? Year: 2024
 - ? Type: Journal

? Subtype: Article
? Citations: 4
? DOI: 10.3390/en17205120
? Scopus ID: 2-s2.0-85207391518
? eISSN: 19961073
? Volume: 17
? Issue: 20
? Authors: Cocco Simone; Benevieri Alessandro; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis; Pozzobon Paolo
? Keywords: DC-DC converter | hybrid electric vehicle (HEV) | hybrid energy storage system (HESS) | multi-input topology
? Quartile:
2025:
? Control and Optimization (Q1, rank 11, percentile 94)
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
? Fuel Technology (Q2, rank 40, percentile 70)
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
? Energy (miscellaneous) (Q2, rank 39, percentile 64)
2024:
? Control and Optimization (Q1, rank 15, percentile 90)
? Engineering (miscellaneous) (Q1, rank 39, percentile 85)
? Electrical and Electronic Engineering (Q1, rank 173, percentile 82)
? Energy Engineering and Power Technology (Q1, rank 73, percentile 75)
? Fuel Technology (Q2, rank 38, percentile 71)
? Energy (miscellaneous) (Q2, rank 32, percentile 68)
? Renewable Energy, Sustainability and the Environment (Q2, rank 105, percentile 64)
? Source Id: 62932
? Author Ids: 57324695200;57226763007;6701827441;57195070159;21935399500;6601994662
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Cocco S.

10.
? 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.
- 11.
- ? Title: A New Feed-Forward Control for Dynamics Improvement in a Dual-Input DC?DC Converter for Hybrid Vehicle Applications
 - ? Venue: Energies
 - ? Year: 2024
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 3
 - ? DOI: 10.3390/en17092170
 - ? Scopus ID: 2-s2.0-85192750704
 - ? eISSN: 19961073
 - ? Volume: 17
 - ? Issue: 9
 - ? Authors: Benevieri Alessandro; Carbone Lorenzo; Cocco Simone; Marchesoni Mario; Passalacqua Massimiliano; Savio Stefano; Vaccaro Luis
 - ? Keywords: control strategy | DCM | DC?DC converter | feed forward | multi-input converter
 - ? Quartile:
 - 2025:
 - ? Control and Optimization (Q1, rank 11, percentile 94)
 - ? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
 - ? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
 - ? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
 - ? Fuel Technology (Q2, rank 40, percentile 70)
 - ? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
 - ? Energy (miscellaneous) (Q2, rank 39, percentile 64)
 - 2024:
 - ? Control and Optimization (Q1, rank 15, percentile 90)
 - ? Engineering (miscellaneous) (Q1, rank 39, percentile 85)
 - ? Electrical and Electronic Engineering (Q1, rank 173, percentile 82)
 - ? Energy Engineering and Power Technology (Q1, rank 73, percentile 75)
 - ? Fuel Technology (Q2, rank 38, percentile 71)
 - ? Energy (miscellaneous) (Q2, rank 32, percentile 68)
 - ? Renewable Energy, Sustainability and the Environment (Q2, rank 105, percentile 64) - ? Source Id: 62932
 - ? Author Ids: 57226763007;57324886200;57324695200;6701827441;57195070159;7004161333;21935399500
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
 - ? Corresponding: Benevieri A.
- 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: 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.

15.

? 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.

16.

? Title: Stability Issues in V/f Controlled Medium Voltage Induction Motor Drives Considering Magnetizing Inductance Variation
? Venue: IEEE Transactions on Energy Conversion
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 6
? Doi: 10.1109/Tec.2023.3288673
? Scopus ID: 2-s2.0-85163516463
? Issn: 08858969
? eISSN: 15580059
? Volume: 38
? Issue: 4
? Pages: 2909-2918
? Authors: Cocco Simone; Kumar Krishneel; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
? Keywords: Electrical drives | induction motor | stability | V/F control
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 62, percentile 93)
? Energy Engineering and Power Technology (Q1, rank 30, percentile 90)
2023:
? Electrical and Electronic Engineering (Q1, rank 77, percentile 90)
? Energy Engineering and Power Technology (Q1, rank 35, percentile 87)
? Source Id: 28824
? Author Ids: 57324695200;57438065800;6701827441;57195070159;21935399500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Cocco S.

17.

? Title: Double input DC-DC converter for highly flexible and reliable Battery Storage Systems
? Venue: E3s Web of Conferences
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1051/e3sconf/202341401006
? Scopus ID: 2-s2.0-85178325957
? Issn: 25550403
? eISSN: 22671242
? Volume: 414
? Authors: Benevieri Alessandro; Carbone Lorenzo; Cocco Simone; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
? Source Id: 21100795900

? Author Ids: 57226763007;57324886200;57324695200;6701827441;57195070159;21935399500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Benevieri A.

18.

? 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.

19.

? 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.
20.
? Title: Model Predictive Control of a Double Input Bidirectional Boost DC-DC Converter
? Venue: 2023 25th European Conference on Power Electronics and Applications EPE 2023 Ecce Europe
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.23919/EPE23ECCEurope58414.2023.10264606
? Scopus ID: 2-s2.0-85175145117
? Authors: Benevieri Alessandro; Formentini Andrea; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
? Keywords: Bi-directional converters | DC-DC converter | Double-input converter
? Source Id: 21101184577
? Author Ids: 57226763007;55370605300;6701827441;57195070159;21935399500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Benevieri A.
21.
? Title: Analysis of the energy matrix decarbonization in the operation of the large mining power distribution systems: The Chilean case
? Venue: Proceedings 2023 IEEE International Conference on Environment and Electrical Engineering and 2023 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/EEEIC/ICPSEurope57605.2023.10194614
? Scopus ID: 2-s2.0-85168684414
? Authors: Pessino Francesca; Moran Luis; Espinoza Jose; Araneda Juan Carlos; Silvestro Federico; Vaccaro Luis
? Keywords: harmonic mitigation | Renewable integration | Short-circuit power
? Source Id: 21101173009
? Author Ids: 58547377400;57189078954;35599816000;24779492400;23026343700;21935399500
? Authoraffiliationids: 60025153;60001282;60001282;122086385;60025153;60025153
? Corresponding: Pessino F.
22.
? Title: Analysis of the Chilean Power System Performance Considering a Long-Distance

HVDC Transmission Line

? Venue: 2023 Aeit Hvdc International Conference Aeit Hvdc 2023

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Aeithvdc58550.2023.10178998

? Scopus ID: 2-s2.0-85166967090

? Authors: Reyes Sebastian; Moran Luis; Vaccaro Luis; Espinoza Jose

? Keywords: LCC | Long distance Transmission Line | Power System Performance

? Source Id: 21101170028

? Author Ids: 58525754600;57189078954;21935399500;35599816000

? Authoraffiliationids: 60001282;60001282;60025153;60001282

? Corresponding: Reyes S.

23.

? Title: Surface Permanent Magnet Synchronous Motors? Passive Sensorless Control: A Review

? Venue: Energies

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 14

? DOI: 10.3390/en15207747

? Scopus ID: 2-s2.0-85140610785

? eISSN: 19961073

? Volume: 15

? Issue: 20

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

? Keywords: permanent magnet synchronous motors (PMSM) | review | sensorless control

? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)

? Engineering (miscellaneous) (Q1, rank 38, percentile 86)

? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)

? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)

? Fuel Technology (Q2, rank 40, percentile 70)

? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)

? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2022:

? Control and Optimization (Q1, rank 21, percentile 83)

? Engineering (miscellaneous) (Q1, rank 27, percentile 82)

? Electrical and Electronic Engineering (Q2, rank 197, percentile 73)

? Energy Engineering and Power Technology (Q2, rank 77, percentile 69)

? Energy (miscellaneous) (Q2, rank 18, percentile 67)

? Fuel Technology (Q2, rank 39, percentile 67)

? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 56)

? Source Id: 62932

? Author Ids:

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

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

? Corresponding: Benevieri A.

24.

? Title: Experimental Low-Speed Performance Evaluation and Comparison of Sensorless

Passive Algorithms for SPMSM

? Venue: IEEE Transactions on Energy Conversion

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 25

? Doi: 10.1109/Tec.2021.3101583

? Scopus ID: 2-s2.0-85112608002

? Issn: 08858969

? eISSN: 15580059

? Volume: 37

? Issue: 1

? Pages: 654-664

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

? Keywords: Permanent magnet synchronous motors (PMSM) | Sensorless control | Speed control

? Quartile:

2025:

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

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

2022:

? Electrical and Electronic Engineering (Q1, rank 76, percentile 89)

? Energy Engineering and Power Technology (Q1, rank 30, percentile 88)

? Source Id: 28824

? Author Ids: 57226763007;6701827441;57195070159;21935399500

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Benevieri A.

25.

? Title: Induction Motor Field-Oriented Sensorless Control with Filter and Long Cable

? Venue: Energies

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 12

? DOI: 10.3390/en15041484

? Scopus ID: 2-s2.0-85125071541

? eISSN: 19961073

? Volume: 15

? Issue: 4

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

? Keywords: Cable compensation | Eigenvalues | Field-oriented control | Induction motor drive | Long cable | Luenberger observer | Sensorless control | Speed estimation | Stability analysis | Submarine pump

? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)

? Engineering (miscellaneous) (Q1, rank 38, percentile 86)

? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)

? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)

? Fuel Technology (Q2, rank 40, percentile 70)

? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)

? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2022:

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

26.

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

2025:

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

2022:

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

27.

- ? Title: A fast control for a three-switch multi-input DC-DC converter
- ? Venue: 24th European Conference on Power Electronics and Applications EPE 2022 Ecce Europe

? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Scopus ID: 2-s2.0-85141581126
? Authors: Cocco Simone; Formentini Andrea; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
? Keywords: CCM | DC-DC Converter | DCM | Feed-Forward | Power Converters
? Source Id: 21101119900
? Author Ids: 57324695200;55370605300;6701827441;57195070159;21935399500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Cocco S.

28.

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

29.

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

30.

? Title: Series architecture on hybrid electric vehicles: A review
? Venue: Energies
? Year: 2021

? Type: Journal
? Subtype: Review
? Citations: 10
? DOI: 10.3390/en14227672
? Scopus ID: 2-s2.0-85121029388
? eISSN: 19961073
? Volume: 14
? Issue: 22
? Authors: Benevieri Alessandro; Carbone Lorenzo; Cocco Simone; Kumar Krishneel; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
? Keywords: Fuel economy | Hybrid Electric Vehicle (HEV) | Powertrain efficiency | Series architecture | Silicon Carbide (SiC) | Supercapacitor | Turbocompound
? Quartile:
2025:
? Control and Optimization (Q1, rank 11, percentile 94)
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
? Fuel Technology (Q2, rank 40, percentile 70)
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
? Energy (miscellaneous) (Q2, rank 39, percentile 64)
2021:
? Control and Optimization (Q1, rank 18, percentile 85)
? Engineering (miscellaneous) (Q1, rank 19, percentile 83)
? Subject (Q1, rank 51, percentile 76)
? Energy (miscellaneous) (Q2, rank 10, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 201, percentile 71)
? Energy Engineering and Power Technology (Q2, rank 73, percentile 69)
? Fuel Technology (Q2, rank 38, percentile 65)
? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 58)
? Source Id: 62932
? Author Ids:
57226763007;57324886200;57324695200;57438065800;6701827441;57195070159;21935399500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Benevieri A.
31.
? Title: State-space approach for spmsm sensorless passive algorithm tuning
? Venue: Energies
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 2
? DOI: 10.3390/en14217180
? Scopus ID: 2-s2.0-85118530745
? eISSN: 19961073
? Volume: 14
? Issue: 21
? Authors: Carbone Lorenzo; Cocco Simone; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
? Keywords: Permanent Magnet Synchronous Motors (PMSM) | Rotor flux observer | Sensorless control | Speed control | Stability analysis
? Quartile:
2025:
? Control and Optimization (Q1, rank 11, percentile 94)

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

2021:

? Control and Optimization (Q1, rank 18, percentile 85)
? Engineering (miscellaneous) (Q1, rank 19, percentile 83)
? Subject (Q1, rank 51, percentile 76)
? Energy (miscellaneous) (Q2, rank 10, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 201, percentile 71)
? Energy Engineering and Power Technology (Q2, rank 73, percentile 69)
? Fuel Technology (Q2, rank 38, percentile 65)
? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 58)
? Source Id: 62932
? Author Ids: 57324886200;57324695200;6701827441;57195070159;21935399500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Carbone L.

32.

? Title: A New Modulation Strategy for Exploiting Discontinuous Conduction Mode in a Double-Input Three-Switch Bidirectional DC-DC Converter
? Venue: IEEE Transactions on Industrial Electronics
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 15
? Doi: 10.1109/Tie.2020.3038059
? Scopus ID: 2-s2.0-85096868481
? Issn: 02780046
? eISSN: 15579948
? Volume: 68
? Issue: 11
? Pages: 10815-10825
? Authors: Passalacqua Massimiliano; Marchesoni Mario; Vaccaro Luis
? Keywords: DC-DC converter | discontinuous conduction mode (DCM) | efficiency | modulation strategy | multiinput converter
? Quartile:

2025:

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

2021:

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

? Source Id: 26053

? Author Ids: 57195070159;6701827441;21935399500

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Passalacqua M.

33.

? Title: Development and Evaluation of Sensorless Control Systems for SPMSM Drives in the Extreme Low-Speed Region
? Venue: 2021 23rd European Conference on Power Electronics and Applications EPE 2021 Ecce Europe
? Year: 2021

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85119066418
? Authors: Benevieri Alessandro; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
? Keywords: Control of drive | Electrical drive | Estimation technique | Permanent magnet motor | Sensorless control
? Source Id: 21101065464
? Author Ids: 57226763007;6701827441;57195070159;21935399500
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Benevieri A.

34.

? Title: Induction motor direct torque control with synchronous PWM
? Venue: Energies
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 8
? DOI: 10.3390/en14165025
? Scopus ID: 2-s2.0-85113255669
? eISSN: 19961073
? Volume: 14
? Issue: 16
? Authors: Benevieri Alessandro; Maragliano Gianmarco; Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis
? Keywords: Direct torque control | Induction motor drive | Synchronous PWM
? Quartile:
2025:
? Control and Optimization (Q1, rank 11, percentile 94)
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
? Fuel Technology (Q2, rank 40, percentile 70)
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
? Energy (miscellaneous) (Q2, rank 39, percentile 64)
2021:
? Control and Optimization (Q1, rank 18, percentile 85)
? Engineering (miscellaneous) (Q1, rank 19, percentile 83)
? Subject (Q1, rank 51, percentile 76)
? Energy (miscellaneous) (Q2, rank 10, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 201, percentile 71)
? Energy Engineering and Power Technology (Q2, rank 73, percentile 69)
? Fuel Technology (Q2, rank 38, percentile 65)
? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 58)
? Source Id: 62932
? Author Ids: 57226763007;36778746300;6701827441;57195070159;21935399500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Benevieri A.

35.

? Title: Modulating Signals Effect on Capacitor Voltage Ripple in Full Bridge Modular Multilevel Converters
? Venue: 2021 Aeit Hvdc International Conference Aeit Hvdc 2021
? Year: 2021

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Aeithvdc52364.2021.9474595
? Scopus ID: 2-s2.0-85112867086
? Authors: Marchesoni Mario; Passalacqua Massimiliano; Vaccaro Luis; Bordignon Paolo
? Keywords: Full Bridge Cell | HVDC | MMC | Voltage Ripple
? Source Id: 21101056105
? Author Ids: 6701827441;57195070159;21935399500;6603367451
? Authoraffiliationids: 60025153;60025153;60025153;126760071
? Corresponding: Marchesoni M.

36.

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

37.

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

38.

? 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.

39.

? 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.

40.

? 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.

41.

? 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.

42.

? 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.

43.

? Title: Fast mpc algorithm for a grid tied photovoltaic system based on a multilevel inverter
? Venue: IECON Proceedings Industrial Electronics Conference
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3

? Doi: 10.1109/lecon.2019.8927053
? Scopus ID: 2-s2.0-85084056535
? Volume: 2019-October
? Pages: 3989-3994
? Authors: Silva J.; Espinoza J.; Sbarbaro D.; Moran L.; Rohten Jaime; Vaccaro Luis
? Keywords: Grid tied inverter | Model predictive control | Neutral point clamped | Photovoltaic systems
? Source Id: 56670
? Author Ids: 57190765306;35599816000;7003572137;57189078954;54947327900;21935399500
? Authoraffiliationids: 60001282;60001282;60001282;60001282;60023195;60025153
? Corresponding: Silva J.

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: 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.
46.
? 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.
47.
? Title: Low speed performance improvement in a self-commisioned 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-commisioning | Sensorlcss control | Speed control
? Source Id: 21100958234
? Author Ids: 6701827441;57195070159;21935399500;14422097400;58351076300
? Authoraffiliationids: 60025153;60025153;60025153;123668963;123668963
? Corresponding: Marchesoni M.
48.
? 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.

49.

? 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.

50.

? 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.

51.

? 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.

52.

? 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.
53.
? 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.
54.
? 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.
55.
? Title: Reliability improvement of Modular Multilevel Converter in HVDC systems
? Venue: 19th Power Systems Computation Conference Pscc 2016
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 14
? Doi: 10.1109/Pscc.2016.7540942
? Scopus ID: 2-s2.0-84986587823
? Authors: Farnesi Stefano; Marchesoni Mario; Vaccaro Luis
? Keywords: Control | Efficiency | HVDC | reliability | VSC
? Source Id: 21100778001
? Author Ids: 54392715100;6701827441;21935399500
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Farnesi S.

56.

? 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.

57.

? 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.

58.

? 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.

59.

- ? 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.
60.
? 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.
61.
? 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.
62.
? 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.

63.

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

64.

? 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.

65.

? 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.

66.

? 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.

67.

? 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/lsie.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.

68.

? 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/lsie.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.
69.
? 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.
70.
? 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.
71.
? 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.
72.
? 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.
73.
? 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.
74.
? Title: A Rogowski coil for high voltage applications
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 17
? Doi: 10.1109/Imtc.2008.4547197
? Scopus ID: 2-s2.0-51349142588
? Issn: 10915281
? Pages: 1069-1073
? Authors: Mariscotti Andrea; Vaccaro Luis
? Keywords: Current measurement | Electric field effects | Insulation | UHV insulation
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)

? Source Id: 15045

? Author Ids: 23091663200;21935399500

? Authoraffiliationids: 60025153;60025153

? Corresponding: Mariscotti A.

75.

? 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.

76.

? Title: Design of a pulse generator for wideband applications

? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? DOI: 10.1109/imtc.2007.379248

? Scopus ID: 2-s2.0-34648827837

? Issn: 10915281

? Authors: Mariscotti Andrea; Vaccaro Luis

? Keywords: Logic circuits | Microwave circuits | Pulse generation

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)

? Source Id: 15045

? Author Ids: 23091663200;21935399500

? Authoraffiliationids: 60025153;60025153

? Corresponding: Mariscotti A.

77.

? 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.

78.

? 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.