

Marcelo Godoy Simes

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168
papers

5,326
citations

36
h-index

70
g-index

186
ext. papers

6,702
ext. citations

4.4
avg, IF

5.93
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 168 | Future Renewable Energy Communities Based Flexible Power Systems. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 121 | 2.6 | 3 |
| 167 | Economic Planning and Comparative Analysis of Market-driven Multi-microgrid system for Peer-to-Peer energy trading. <i>IEEE Transactions on Industry Applications</i> , 2022 , 1-1 | 4.3 | 4 |
| 166 | Field-oriented control strategy for double-stator single-rotor and double-rotor single-stator permanent magnet machine: Design and operation. <i>Computers and Electrical Engineering</i> , 2021 , 90, 106943 | 4.3 | 13 |
| 165 | Multilevel Current Source Converter-Based STATCOM Suitable for Medium-Voltage Applications. <i>IEEE Transactions on Power Delivery</i> , 2021 , 36, 1222-1232 | 4.3 | 2 |
| 164 | A Robust Self-Attentive Capsule Network for Fault Diagnosis of Series-Compensated Transmission Line. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1 | 4.3 | 4 |
| 163 | Analysis of Stationary- and Synchronous-Reference Frames for Three-Phase Three-Wire Grid-Connected Converter AC Current Regulators. <i>Energies</i> , 2021 , 14, 8348 | 3.1 | 0 |
| 162 | Feasibility of water-cooled photovoltaic panels under the efficiency and durability aspects. <i>Solar Energy</i> , 2020 , 207, 103-109 | 6.8 | 9 |
| 161 | Current Balancing Algorithm for Three-Phase Multilevel Current Source Inverters. <i>Energies</i> , 2020 , 13, 860 | 3.1 | 2 |
| 160 | An Isolated High Voltage Boost Current-Fed DCDC Converter Based on 1:1 Transformer Multiplier Cells and ZVS Operation. <i>Electronics (Switzerland)</i> , 2020 , 9, 102 | 2.6 | 1 |
| 159 | Power management algorithm for a conservative power theory battery storage based multi-functional three phase grid connected PV inverter. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12605 | 2.2 | 0 |
| 158 | Highly Accurate Digital Current Controllers for Single-Phase LCL-Filtered Grid-Connected Inverters. <i>Electricity</i> , 2020 , 1, 12-36 | 1 | 2 |
| 157 | Shading position effects on photovoltaic panel output power. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12163 | 2.2 | 4 |
| 156 | Compressive Informative Sparse Representation-Based Power Quality Events Classification. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 909-921 | 11.9 | 7 |
| 155 | Compressive System Identification for Multiple Line Outage Detection in Smart Grids. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 4462-4473 | 4.3 | 9 |
| 154 | Frequency Support of Smart Grid Using Fuzzy Logic-Based Controller for Wind Energy Systems. <i>Energies</i> , 2019 , 12, 1550 | 3.1 | 2 |
| 153 | Scalable Single-Phase Multi-Functional Inverter for Integration of Rooftop Solar-PV to Low-Voltage Ideal and Weak Utility Grid. <i>Electronics (Switzerland)</i> , 2019 , 8, 302 | 2.6 | 6 |
| 152 | Advanced Three-Phase Instantaneous Power Theory Feature Extraction for Microgrid Islanding and Synchronized Measurements 2019 , | | 1 |

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|-----|--|------|----|
| 151 | Load Disaggregation Using Microscopic Power Features and Pattern Recognition. <i>Energies</i> , 2019 , 12, 2641 | 3.1 | 14 |
| 150 | Understanding the Staircase Modulation Strategy and Its Application in Both Isolated and Grid-Connected Asymmetric Cascaded H-Bridge Multilevel Inverters. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 5371-5382 | 4.3 | 4 |
| 149 | Enhanced Dual-Spectrum Line Interpolated FFT with Four-Term Minimal Sidelobe Cosine Window for Real-Time Harmonic Estimation in Synchrophasor Smart-Grid Technology. <i>Electronics (Switzerland)</i> , 2019 , 8, 191 | 2.6 | 2 |
| 148 | Survey on time-domain power theories and their applications for renewable energy integration in smart-grids. <i>IET Smart Grid</i> , 2019 , 2, 491-503 | 2.7 | 6 |
| 147 | Direct Connection of Supercapacitor-Battery Hybrid Storage System to the Grid-Tied Photovoltaic System. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 1370-1379 | 8.2 | 29 |
| 146 | Grid-Connected Symmetrical Cascaded Multilevel Converter for Power Quality Improvement. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 2792-2805 | 4.3 | 25 |
| 145 | Enhanced Instantaneous Power Theory Decomposition for Power Quality Smart Converter Applications. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9344-9359 | 7.2 | 30 |
| 144 | Application of the Conservative Power Theory Current Decomposition in a Load Power-Sharing Strategy Among Distributed Energy Resources. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 3771-3781 | 4.3 | 13 |
| 143 | . <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 2964-2975 | 10.7 | 52 |
| 142 | Simplified Small-Signal Model for Output Voltage Control of Asymmetric Cascaded H-Bridge Multilevel Inverter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 3509-3519 | 7.2 | 19 |
| 141 | Solar Heat Underground Storage Based Air Conditioning Vis-à-Vis Conventional HVAC Experimental Validation. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2018 , 140, | 2.3 | 1 |
| 140 | Synergistic operation between battery energy storage and photovoltaic generator systems to assist management of microgrids. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 2944-2951 | 2.5 | 7 |
| 139 | Compressive Sensing for Power System Data Analysis 2018 , 159-178 | | 2 |
| 138 | Design Procedure for a Digital Proportional-Resonant Current Controller in a Grid Connected Inverter 2018 , | | 4 |
| 137 | Optimal Power Reserve of a Wind Turbine System Participating in Primary Frequency Control. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2022 | 2.6 | 5 |
| 136 | Distributed Generation Systems: An Approach in Instrumentation and Monitoring. <i>Electric Power Components and Systems</i> , 2018 , 46, 2189-2202 | 1 | 1 |
| 135 | Exploiting Compressive System Identification for Multiple Line Outage Detection in Smart Grids 2018 , | | 3 |
| 134 | Centralized Power Reserve Algorithm of De-loaded Wind Farm for Primary Frequency Regulation 2018 , | | 3 |

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|-----|---|------|-----|
| 133 | A Low Current-Ripple Coupled-Inductor Step-Up DC-DC Converter for Voltage-Multiplier Topology Solar PV Applications 2018 , | | 1 |
| 132 | A Bidirectional NPC-based Level 3 EV Charging System with Added Active Filter Functionality in Smart Grid Applications 2018 , | | 14 |
| 131 | A NILM Dataset for Cognitive Meters Based on Conservative Power Theory and Pattern Recognition Techniques. <i>Journal of Control, Automation and Electrical Systems</i> , 2018 , 29, 742-755 | 1.5 | 8 |
| 130 | Centralized Control of Distributed Single-Phase Inverters Arbitrarily Connected to Three-Phase Four-Wire Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2017 , 8, 437-446 | 10.7 | 51 |
| 129 | . <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 2495-2505 | 4.3 | 49 |
| 128 | Three-phase battery storage system with transformerless cascaded multilevel inverter for distribution grid applications. <i>IET Renewable Power Generation</i> , 2017 , 11, 742-749 | 2.9 | 7 |
| 127 | Selective Sharing of Load Current Components Among Parallel Power Electronic Interfaces in Three-phase Four-wire Stand-alone Microgrid. <i>Electric Power Components and Systems</i> , 2017 , 45, 864-880 ¹ | | 4 |
| 126 | Distributed Energy Management of PV-Storage Systems for Voltage Rise Mitigation. <i>Technology and Economics of Smart Grids and Sustainable Energy</i> , 2017 , 2, 1 | 2.1 | 8 |
| 125 | Online energy management strategy of fuel cell hybrid electric vehicles based on data fusion approach. <i>Journal of Power Sources</i> , 2017 , 366, 278-291 | 8.9 | 117 |
| 124 | Online energy management strategy of fuel cell hybrid electric vehicles based on time series prediction 2017 , | | 14 |
| 123 | . <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 1538-1551 | 4.3 | 44 |
| 122 | Real-time control of hybrid active power filter using conservative power theory in industrial power system. <i>IET Power Electronics</i> , 2017 , 10, 196-207 | 2.2 | 13 |
| 121 | Three-phase smart inverter for flexible power conditioning in low voltage distribution systems 2017 , | | 4 |
| 120 | Economic analysis, optimal sizing and management of energy storage for PV grid integration 2016 , | | 8 |
| 119 | . <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 4375-4384 | 4.3 | 21 |
| 118 | . <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 532-543 | 11.9 | 56 |
| 117 | Power control flexibilities for grid-connected multi-functional photovoltaic inverters. <i>IET Renewable Power Generation</i> , 2016 , 10, 504-513 | 2.9 | 104 |
| 116 | Interactive smart battery storage for a PV and wind hybrid energy management control based on conservative power theory. <i>International Journal of Control</i> , 2016 , 89, 850-870 | 1.5 | 25 |

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|-----|---|-----|----|
| 115 | Application of the current decomposition of the Conservative Power Theory in Distributed Energy Resources 2016 , | | 2 |
| 114 | Modeling and tracking Transmission Line Dynamic Behavior in Smart Grids using structured sparsity 2016 , | | 2 |
| 113 | Passive Filter Aided by Shunt Compensators Based on the Conservative Power Theory. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 3340-3347 | 4-3 | 23 |
| 112 | Restoration strategy in a self-healing distribution network with DG and flexible loads 2016 , | | 6 |
| 111 | Bidirectional direct current-direct current converter for fuel cell and renewable energy hybrid systems. <i>Journal of Renewable and Sustainable Energy</i> , 2015 , 7, 013119 | 2-5 | 5 |
| 110 | Small Wind Energy Systems. <i>Electric Power Components and Systems</i> , 2015 , 43, 1388-1405 | 1 | 9 |
| 109 | Bidirectional floating interleaved buck-boost DC-DC converter applied to residential PV power systems 2015 , | | 10 |
| 108 | Power quality enhancement by means of shunt compensators based on the conservative power theory 2015 , | | 2 |
| 107 | Cooperative operation based master-slave in islanded microgrid with CPT current decomposition 2015 , | | 10 |
| 106 | Application of compressive sensing for distributed and structured power line outage detection in smart grids 2015 , | | 8 |
| 105 | A multi task microgrid inverter based instantaneous Power Theory in islanded and grid-connected modes 2015 , | | 2 |
| 104 | Short transient recovery of low voltage-grid-tied DC distributed generation 2015 , | | 10 |
| 103 | Coordinated operation in a multi-inverter based microgrid for both grid-connected and islanded modes using conservative power theory 2015 , | | 8 |
| 102 | 5-level Cascaded H-Bridge Multilevel microgrid Inverter applicable to multiple DG resources with power quality enhancement capability 2015 , | | 5 |
| 101 | Multifunctional control strategy for asymmetrical cascaded H-Bridge Inverter in microgrid applications 2015 , | | 2 |
| 100 | Power quality achievement using grid connected converter of wind turbine system 2015 , | | 4 |
| 99 | Staircase modulation based battery storage system with Asymmetric Cascaded H-Bridge Multilevel Inverter 2015 , | | 3 |
| 98 | Designing smart inverter with unified controller and smooth transition between grid-connected and islanding modes for microgrid application 2015 , | | 16 |

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|----|--|------|-----|
| 97 | Smart grid topology identification using sparse recovery 2015 , | | 4 |
| 96 | Selective operation of three-level NPC inverter based on synchronous reference frame method supplying nonlinear loads in microgrid system 2015 , | | 2 |
| 95 | Novel expert system for defining power quality compensators. <i>Expert Systems With Applications</i> , 2015 , 42, 3562-3570 | 7.8 | 8 |
| 94 | Development of a Quasi 2-D Modeling of Tubular Solid-Oxide Fuel Cell for Real-Time Control. <i>IEEE Transactions on Energy Conversion</i> , 2014 , 29, 9-19 | 5.4 | 14 |
| 93 | Evaluating the Long-Term Impact of a Continuously Increasing Harmonic Demand on Feeder-Level Voltage Distortion. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 2142-2149 | 4.3 | 35 |
| 92 | . <i>IEEE Transactions on Smart Grid</i> , 2014 , 5, 2967-2979 | 10.7 | 15 |
| 91 | Measurement-based performance analysis of wind energy systems. <i>IEEE Instrumentation and Measurement Magazine</i> , 2014 , 17, 15-20 | 1.4 | 2 |
| 90 | Fuzzy-Based Energy Management Control: Design of a Battery Auxiliary Power Unit for Remote Applications. <i>IEEE Industry Applications Magazine</i> , 2014 , 20, 41-49 | 0.6 | 12 |
| 89 | Experimental evaluation of an interleaved boost topology optimized for peak power tracking control 2014 , | | 3 |
| 88 | PQ, DQ and CPT control methods for shunt active compensators [A comparative study 2014 , | | 23 |
| 87 | Development of a four phase floating interleaved boost converter for photovoltaic systems 2014 , | | 15 |
| 86 | SLCL Filter Design and Performance Analysis for Grid-Interconnected Systems. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 1225-1232 | 4.3 | 290 |
| 85 | An Energy Management System for Building Structures Using a Multi-Agent Decision-Making Control Methodology. <i>IEEE Transactions on Industry Applications</i> , 2013 , 49, 322-330 | 4.3 | 147 |
| 84 | Small Hydroelectric Systems. <i>Green Energy and Technology</i> , 2013 , 151-184 | 0.6 | 0 |
| 83 | Advances in information technology for Smart Grids 2013 , | | 4 |
| 82 | Transient performance analysis of a small-scale PV-PHS power plant fed by a SVPWM drive applied for a distribution system 2013 , | | 5 |
| 81 | Experimental evaluation of four-phase floating interleaved boost converter design and control for fuel cell applications. <i>IET Power Electronics</i> , 2013 , 6, 215-226 | 2.2 | 51 |
| 80 | Improving Thermal Comfort in Residential Buildings Using Artificial Immune System 2013 , | | 2 |

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|----|--|------|-----|
| 79 | Considerations on the modeling and control scheme of grid connected inverter with voltage support capability 2013 , | | 3 |
| 78 | Power Electronics for Smart Distribution Grids. <i>Green Energy and Technology</i> , 2013 , 493-523 | 0.6 | |
| 77 | . <i>IEEE Transactions on Industry Applications</i> , 2012 , 48, 1154-1162 | 4.3 | 72 |
| 76 | Design of a Flux-Switching Electrical Generator for Wind Turbine Systems. <i>IEEE Transactions on Industry Applications</i> , 2012 , 48, 1808-1816 | 4.3 | 42 |
| 75 | Advanced hybrid dual loop control for multi-phases interleaved floating DC-DC converter for fuel cell applications 2012 , | | 10 |
| 74 | . <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 3430-3440 | 6.8 | 64 |
| 73 | Utilizing a Smart Grid Monitoring System to Improve Voltage Quality of Customers. <i>IEEE Transactions on Smart Grid</i> , 2012 , 3, 738-743 | 10.7 | 32 |
| 72 | LCL filter design and performance analysis for small wind turbine systems 2012 , | | 17 |
| 71 | Evaluating the long-term impact of a continuously increasing harmonic load demand on feeder level voltage distortion 2012 , | | 5 |
| 70 | Improving energy efficiency of cyber physical systems using multi-agent based control 2012 , | | 3 |
| 69 | Modeling and control of 4-phase floating interleaving boost converter 2011 , | | 5 |
| 68 | Multi agent based energy management control for commercial buildings 2011 , | | 6 |
| 67 | Aspects of the integration of alternative sources of energy for application in distributed generation systems 2011 , | | 1 |
| 66 | PEM Fuel Cell Stack Modeling for Real-Time Emulation in Hardware-in-the-Loop Applications. <i>IEEE Transactions on Energy Conversion</i> , 2011 , 26, 184-194 | 5.4 | 75 |
| 65 | Power Bipolar Transistors 2011 , 29-41 | | |
| 64 | Smart Grid Initiative. <i>IEEE Industry Applications Magazine</i> , 2011 , 17, 27-35 | 0.6 | 32 |
| 63 | The New Frontier of Smart Grids. <i>IEEE Industrial Electronics Magazine</i> , 2011 , 5, 49-63 | 6.2 | 229 |
| 62 | Locating the origin of feeder level harmonics utilizing remote THD measurements 2011 , | | 1 |

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| 61 | Smart-grid technologies and progress in Europe and the USA 2011 , | | 27 |
| 60 | Grid modernization efforts in the USA and Brazil - some common lessons based on the Smart Grid Initiative 2010 , | | 5 |
| 59 | Benefits of Power Electronic Interfaces for Distributed Energy Systems. <i>IEEE Transactions on Energy Conversion</i> , 2010 , 25, 901-908 | 5-4 | 189 |
| 58 | Fuzzy logic controller development of a hybrid fuel cell-battery auxiliary power unit for remote applications 2010 , | | 9 |
| 57 | A Real-Time Sharing Reference Voltage for Hybrid Generation Power System 2010 , | | 7 |
| 56 | An Energy Management System for Building Structures Using a Multi-Agent Decision-Making Control Methodology 2010 , | | 14 |
| 55 | dSPACE based implementation of a grid connected smart inverter system 2010 , | | 2 |
| 54 | A conceptual scheme for cyber-physical systems based energy management in building structures 2010 , | | 15 |
| 53 | 2009 , | | 7 |
| 52 | 2009 , | | 15 |
| 51 | Simulation and analysis of DQ frame and P+Resonant controls for voltage source inverter to distributed generation 2009 , | | 4 |
| 50 | Experimental Evaluation of Active Filtering in a Single-Phase High-Frequency AC Microgrid. <i>IEEE Transactions on Energy Conversion</i> , 2009 , 24, 673-682 | 5-4 | 64 |
| 49 | Benefits of utilizing a Smart Grid monitoring system to improve feeder voltage 2009 , | | 3 |
| 48 | Reducing distribution transformer losses through the use of Smart Grid monitoring 2009 , | | 5 |
| 47 | A Multiagent Fuzzy-Logic-Based Energy Management of Hybrid Systems. <i>IEEE Transactions on Industry Applications</i> , 2009 , 45, 2123-2129 | 4-3 | 111 |
| 46 | PV-Microgrid Operational Cost Minimization by Neural Forecasting and Heuristic Optimization 2008 , | | 46 |
| 45 | A Multi-Agent Fuzzy Logic Based Energy Management of Hybrid Systems 2008 , | | 7 |
| 44 | Optimal Design Analysis of a Stand-Alone Photovoltaic Hybrid System 2008 , | | 3 |

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|----|---|-----|-----|
| 43 | On-line fault diagnostic system for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2008 , 175, 419-429 | 8.9 | 45 |
| 42 | Energy cost analysis of a solar-hydrogen hybrid energy system for stand-alone applications. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 2871-2879 | 6.7 | 86 |
| 41 | A Bayesian network fault diagnostic system for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2007 , 165, 267-278 | 8.9 | 52 |
| 40 | Distributed Intelligent Energy Management System for a Single-Phase High-Frequency AC Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 97-109 | 8.9 | 268 |
| 39 | Performance Evaluation of a Novel Hybrid Multipulse Rectifier for Utility Interface of Power Electronic Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 3030-3041 | 8.9 | 14 |
| 38 | Three-Port Bidirectional Converter for Hybrid Fuel Cell Systems. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 480-487 | 7.2 | 238 |
| 37 | Power Bipolar Transistors 2007 , 27-39 | | |
| 36 | Bayesian Network Supervision on Fault Tolerant Fuel Cells. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2006 , | | 4 |
| 35 | Cost Considerations on Fuel Cell Renewable Energy Systems. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2006 , | | 2 |
| 34 | Fuzzy Modeling Approaches for the Prediction of Machine Utilization in Hard Rock Tunnel Boring Machines. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2006 , | | 11 |
| 33 | Programmable PFC based hybrid multipulse power rectifier for ultra clean power application. <i>IEEE Transactions on Power Electronics</i> , 2006 , 21, 959-966 | 7.2 | 25 |
| 32 | Neural optimal control of PEM fuel cells with parametric CMAC networks. <i>IEEE Transactions on Industry Applications</i> , 2005 , 41, 237-245 | 4.3 | 61 |
| 31 | Dynamic simulation and analysis of parallel self-excited induction generators for islanded wind farm systems. <i>IEEE Transactions on Industry Applications</i> , 2005 , 41, 1099-1106 | 4.3 | 22 |
| 30 | . <i>IEEE Transactions on Energy Conversion</i> , 2005 , 20, 211-218 | 5.4 | 116 |
| 29 | Fuzzy ARTMAP based forecast of renewable generation for a high frequency AC microgrid 2005 , | | 5 |
| 28 | Neural dynamic programming based online controller with a novel trim approach. <i>IET Control Theory and Applications</i> , 2005 , 152, 95-104 | | 5 |
| 27 | Full expandable model of parallel self-excited induction generators. <i>IET Electric Power Applications</i> , 2005 , 152, 96 | | 14 |
| 26 | ABET 2000 challenges in curricular compression: fluids and circuits - a pilot 2+1+1 approach. <i>IEEE Transactions on Education</i> , 2005 , 48, 503-512 | 2.1 | |

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|----|--|-----|-----|
| 25 | 2005, | | 95 |
| 24 | A Five-Phase Brushless Dc-Machine Direct Drive System. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2004 , 14, 15-24 | 0.4 | 1 |
| 23 | . <i>IEEE Transactions on Industrial Electronics</i> , 2004 , 51, 1103-1112 | 8.9 | 331 |
| 22 | A comprehensive review for industrial applicability of artificial neural networks. <i>IEEE Transactions on Industrial Electronics</i> , 2003 , 50, 585-601 | 8.9 | 228 |
| 21 | . <i>IEEE Transactions on Industry Applications</i> , 2003 , 39, 1136-1142 | 4.3 | 80 |
| 20 | Parametric CMAC networks: fundamentals and applications of a fast convergence neural structure. <i>IEEE Transactions on Industry Applications</i> , 2003 , 39, 1551-1557 | 4.3 | 40 |
| 19 | Neural-network-based prediction of mooring forces in floating production storage and offloading systems. <i>IEEE Transactions on Industry Applications</i> , 2002 , 38, 457-466 | 4.3 | 8 |
| 18 | . <i>IEEE Transactions on Industrial Electronics</i> , 2002 , 49, 1154-1164 | 8.9 | 77 |
| 17 | A novel competitive learning neural network based acoustic transmission system for oil-well monitoring. <i>IEEE Transactions on Industry Applications</i> , 2000 , 36, 484-491 | 4.3 | 6 |
| 16 | Applications of Cellular Neural Networks for Shape from Shading Problem. <i>Lecture Notes in Computer Science</i> , 1999 , 51-63 | 0.9 | 3 |
| 15 | Fuzzy logic based intelligent control of a variable speed cage machine wind generation system. <i>IEEE Transactions on Power Electronics</i> , 1997 , 12, 87-95 | 7.2 | 313 |
| 14 | Design and performance evaluation of a fuzzy-logic-based variable-speed wind generation system. <i>IEEE Transactions on Industry Applications</i> , 1997 , 33, 956-965 | 4.3 | 185 |
| 13 | Neural network-based estimation of power electronic waveforms. <i>IEEE Transactions on Power Electronics</i> , 1996 , 11, 383-389 | 7.2 | 19 |
| 12 | . <i>IEEE Transactions on Industry Applications</i> , 1995 , 31, 620-629 | 4.3 | 127 |
| 11 | Dynamic Interaction of an Intergrated Doubly-Fed Induction generator and a Fuel Cell connected to Grid | | 2 |
| 10 | Advanced Active Filtering in a Single Phase High Frequency AC Microgrid | | 8 |
| 9 | Application of a Modified Single-Phase P-Q Theory in the Control of Shunt and Series Active Filters in a 400 Hz Microgrid | | 10 |
| 8 | State space modeling of parallel self-excited induction generators for wind farm simulation | | 4 |

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|---|---|----|
| 7 | Optical sensor for transformer monitoring | 2 |
| 6 | A three-port bi-directional converter for hybrid fuel cell systems | 58 |
| 5 | A novel programmable PFC based hybrid rectifier for ultra clean power application | 5 |
| 4 | Programmable PFC Based Hybrid Multipulse Power Rectifier for Utility Interface of Power Electronic Converters | 4 |
| 3 | A high torque low-speed multi-phase brushless machine a perspective application for electric vehicles | 1 |
| 2 | Mobile telephony RF mapping using fuzzy-CMAC neural networks | 2 |
| 1 | | 16 |