

# Rosario Miceli

## List of Publications by Year in descending order

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247  
papers

3,884  
citations

279701

23  
h-index

233338

45  
g-index

250  
all docs

250  
docs citations

250  
times ranked

2571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling, Simulation, and Characterization of a Supercapacitor in Automotive Applications. IEEE Transactions on Industry Applications, 2022, 58, 2421-2429.	3.3	10
2	Switching Frequency Effects on the Efficiency and Harmonic Distortion in a Three-Phase Five-Level CHBMI Prototype with Multicarrier PWM Schemes: Experimental Analysis. Energies, 2022, 15, 586.	1.6	14
3	A Model of DC-DC Converter with Switched-Capacitor Structure for Electric Vehicle Applications. Energies, 2022, 15, 1224.	1.6	10
4	An Experimental Comparison between an Ironless and a Traditional Permanent Magnet Linear Generator for Wave Energy Conversion. Energies, 2022, 15, 2387.	1.6	12
5	Electrification of a Local Public Transportation System: a Case Study. , 2022, , .		0
6	Simple and Flexible Power Loss Minimizer With Low-Cost MCU Implementation for High-Efficiency Three-Phase Induction Motor Drives. IEEE Transactions on Industry Applications, 2021, 57, 1472-1481.	3.3	10
7	Enhanced Modelling for Extended Performance Analysis of Interior Permanent Magnet Synchronous Machine Drive fed with Cascaded H-Bridges Multilevel Inverter. , 2021, , .		3
8	Fuel Cell Based Inductive Power Transfer System for Supercapacitors Constant Current Charging. , 2021, , .		2
9	Power losses comparison between Silicon Carbide and Silicon devices for an isolated DC-DC converter. , 2021, , .		7
10	A Hybrid Storage Systems for All Electric Aircraft. , 2021, , .		8
11	Impact Evaluation of Innovative Selective Harmonic Mitigation Algorithm for Cascaded H-Bridge Inverter on IPMSM Drive Application. IEEE Open Journal of Industry Applications, 2021, 2, 347-365.	4.8	7
12	An Iterative Method for Bifurcation-Free Resonant Inductive Power Transfer System Design. , 2021, , .		0
13	Implementation on NI-SOM sbRIO-9651 and Experimental Validation of Multi-Carrier PWM Techniques for Three-Phase Five Level Cascaded H-Bridge Inverter. , 2021, , .		2
14	Experimental Comparative Analysis of Efficiency and THD for a Three-phase Five-level Cascaded H-Bridge Inverter Controlled by Several MC-PWM Schemes. , 2021, , .		6
15	Electric Mobility in Portugal: Current Situation and Forecasts for Fuel Cell Vehicles. Energies, 2021, 14, 7945.	1.6	18
16	A Quasi-Z-Source-Based Inductive Power Transfer System for Constant Current/Constant Voltage Charging Applications. Electronics (Switzerland), 2021, 10, 2900.	1.8	2
17	A Hybrid Energy Storage Sizing for a Vertical Take-off and Landing Electric Aircraft. , 2021, , .		9
18	Experimental investigation on a cascode-based three-phase inverter for AC drives. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	A prototypal PCB board for the EMI characterization of SiC-based innovative switching devices. , 2020, , .		10
20	A Battery-free Asset Monitoring System based on RF Wireless Power Transfer. , 2020, , .		5
21	A General and Accurate Measurement Procedure for the Detection of Power Losses Variations in Permanent Magnet Synchronous Motor Drives. Energies, 2020, 13, 5770.	1.6	15
22	Modelling, simulation and characterization of a supercapacitor. , 2020, , .		2
23	Energy Management Concepts for the Evolution of Smart Grids. , 2020, , .		25
24	Selective harmonic mitigation with asymmetrical staircase voltage waveform for a three-phase five-level Cascaded H-Bridge Inverter. , 2020, , .		0
25	Performance Comparison of modified modulation Techniques for Quasi-Z-Source Converters. , 2020, , .		1
26	From electric mobility to hydrogen mobility: current state and possible future expansions. , 2020, , .		4
27	Experimental Prototyping of a Microgrid with Mechanical Point of Common Coupling. , 2020, , .		4
28	Experimental Validation of Maximum Constant Boost Control and Switching Frequency Optimal for three-phase Quasi-Z-Source Converters. , 2020, , .		0
29	Battery Models for Battery Powered Applications: A Comparative Study. Energies, 2020, 13, 4085.	1.6	30
30	A Novel Symmetrical Boost Modulation Method for qZS-based CHB Inverters. , 2020, , .		0
31	Modelling, Simulation and Characterization of a Supercapacitor in Automotive Applications. , 2020, , .		11
32	A General Investigation on the Differential Leakage Factor for Symmetrical and Asymmetrical Multiphase Winding Design. Energies, 2020, 13, 5414.	1.6	2
33	Design and Realization of a Bidirectional Full Bridge Converter with Improved Modulation Strategies. Electronics (Switzerland), 2020, 9, 724.	1.8	4
34	Enhanced Flexible Algorithm for the Optimization of Slot Filling Factors in Electrical Machines. Energies, 2020, 13, 1041.	1.6	9
35	Different Scenarios of Electric Mobility: Current Situation and Possible Future Developments of Fuel Cell Vehicles in Italy. Sustainability, 2020, 12, 564.	1.6	24
36	Dynamic Reconfiguration Systems for PV Plant: Technical and Economic Analysis. Energies, 2020, 13, 2004.	1.6	7

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37	Design, implementation and experimental results of an inductive power transfer system for electric bicycle wireless charging. IET Renewable Power Generation, 2020, 14, 2908-2915.	1.7	15
38	Experimental Implementation of an Enhanced Field Oriented Control Strategy for Induction Motors Using a Low-Cost ATSAM3X8E Microcontroller. , 2020, , .		1
39	Hydrogen Supplied Wireless Charging System for Electric Vehicles. , 2020, , .		0
40	Interior Permanent Magnet Synchronous Machine Drive Powered by Fuel Cell for Automotive Applications. , 2020, , .		1
41	FOC with Resolver Implementation for PMSM Drives by Using a Low Cost Atmel SAM3X8E Microcontroller. , 2020, , .		3
42	Innovative Computational Approach to Harmonic Mitigation for Seven-level Cascaded H-Bridge Inverters. , 2020, , .		2
43	A comparison of different DC-DC converters for energy storage management in nearly-Zero Energy Buildings. , 2020, , .		1
44	Enhanced Mathematical Modelling of Interior Permanent Magnet Synchronous Machine Considering Saturation, Cross-Coupling and Spatial Harmonics effects. , 2020, , .		3
45	Experimental Characterization Of a Double Receiver Dynamic Wireless Charging System. , 2020, , .		1
46	A Quasi-Z-Source based Hybrid Energy Storage System with Battery and Ultracapacitor Integration. , 2020, , .		2
47	Experimental Validation of a Novel Method for Harmonic Mitigation for a Three-Phase Five-Level Cascaded H-Bridges Inverter. IEEE Transactions on Industry Applications, 2019, 55, 6089-6101.	3.3	25
48	Differential Leakage Factor in Electrical Machines Equipped with Asymmetrical Multiphase Windings: a General Investigation. , 2019, , .		1
49	Experimental Comparison of Efficiency Enhancement Algorithms for Three-Phase Induction Motors. , 2019, , .		2
50	Power Management of a Battery/Supercapacitor System for E-Mobility Applications. , 2019, , .		10
51	Forecasting the Diffusion of Hydrogen EV Refuelling Infrastructures in Italy. , 2019, , .		2
52	A 9-level three-phase multilevel converter with harmonic mitigation and integrated battery balancing. , 2019, , .		0
53	Experimental Investigation on the Performances of a Multilevel Inverter Using a Field Programmable Gate Array-Based Control System. Energies, 2019, 12, 1016.	1.6	27
54	A Bidirectional IPT system for Electrical Bicycle Contactless Energy Transfer. , 2019, , .		8

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55	Sensorless Speed Control for Double-Sided Linear Induction Motor Applications. , 2019, , .		0
56	A Hybrid Storage System for Wireless Sensor Nodes powered with Energy Harvesting. , 2019, , .		7
57	Comparative Analysis of Modified Modulation Scheme for Three-phase Voltage fed QZS Inverters. , 2019, , .		4
58	Design, implementation and experimental results of a wireless charger for E-bikes. , 2019, , .		10
59	Optimal Integration of Hybrid Supercapacitor and IPT System for a Free-Catenary Tramway. IEEE Transactions on Industry Applications, 2019, 55, 794-801.	3.3	30
60	Experimental Investigation on Magnetic Field Effects of IPT for Electric Bikes. Electric Power Components and Systems, 2018, 46, 125-134.	1.0	19
61	The use of slightly asymmetrical windings for rotating electrical machines. International Transactions on Electrical Energy Systems, 2018, 28, e2569.	1.2	15
62	Effects of post-filtering in grid-synchronization algorithms under grid faults. Electric Power Systems Research, 2018, 161, 167-176.	2.1	4
63	Piezoelectric Rainfall Energy Harvester Performance by an Advanced Arduino-Based Measuring System. IEEE Transactions on Industry Applications, 2018, 54, 458-468.	3.3	39
64	Selective Harmonic Elimination in a 5-Level Single Phase Converter with FPGA Based Controller. , 2018, , .		4
65	Mixed Harmonic Elimination Control for a Single-Phase 9 Level Grid-Connected Inverter. , 2018, , .		4
66	Batteries for Aerospace: a Brief Review. , 2018, , .		22
67	Comparison between Different Dynamic Reconfigurations of Electrical Connections for partially shaded PV Modules. , 2018, , .		2
68	Novel Computational Method for Harmonic Mitigation for Three-phase Five-level Cascaded H-Bridge Inverter. , 2018, , .		3
69	Algorithmic Approach for Slot Filling Factors Determination in Electrical Machines. , 2018, , .		4
70	High Performance FOC for Induction Motors with Low Cost ATSAM3X8E Microcontroller. , 2018, , .		13
71	Design of a Battery/Ultracapacitor Energy Storage System for Electric Vehicle Applications. , 2018, , .		19
72	A Novel Computational Approach for Harmonic Mitigation in PV Systems with Single-Phase Five-Level CHBMI. Energies, 2018, 11, 2100.	1.6	24

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73	A novel method for harmonic mitigation for single-phase five-level cascaded H-Bridge inverter. , 2018, , .		13
74	Experimental investigation on different rainfall energy harvesting structures. , 2018, , .		6
75	Analysis and design of bi-directional DC-DC converters for ultracapacitors management in EVs. , 2018, , .		16
76	A General Mathematical Formulation for the Determination of Differential Leakage Factors in Electrical Machines With Symmetrical and Asymmetrical Full or Dead-Coil Multiphase Windings. IEEE Transactions on Industry Applications, 2018, 54, 5930-5940.	3.3	18
77	A General Mathematical Formulation for Winding Layout Arrangement of Electrical Machines. Energies, 2018, 11, 446.	1.6	37
78	Computer-aided analysis and design procedure for rotating induction machine magnetic circuits and windings. IET Electric Power Applications, 2018, 12, 885-893.	1.1	21
79	Characterization of the parameters of interior permanent magnet synchronous motors for a loss model algorithm. Measurement: Journal of the International Measurement Confederation, 2017, 106, 196-202.	2.5	37
80	Simulation of a single-phase five-level cascaded H-Bridge inverter with multicarrier SPWM B-Spline based modulation techniques. , 2017, , .		8
81	Technical and Economical Evaluation on the Use of Reconfiguration Systems in Some EU Countries for PV Plants. IEEE Transactions on Industry Applications, 2017, 53, 1308-1315.	3.3	37
82	Wireless battery charging for electric bicycles. , 2017, , .		4
83	Economic analysis on the use of wired and wireless recharging systems. , 2017, , .		1
84	Nanostructured lead acid battery for electric vehicles applications. , 2017, , .		14
85	Finite-element performance comparison of IPMSMs with unsymmetrical double-layer windings. , 2017, , .		4
86	Fast procedure for the calculation of maximum slot filling factors in electrical machines. , 2017, , .		15
87	Determination of differential leakage factors in electrical machines with non-symmetrical full and dead-coil windings. , 2017, , .		1
88	New approach for harmonic mitigation in single-phase five-level CHBML with fundamental frequency switching. , 2017, , .		3
89	Photovoltaic facade: Comparison of actual technologies. , 2017, , .		0
90	Ev charging station at university campus. , 2017, , .		3

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91	Low-cost smart energy management based on ATmega 328P-PU microcontroller. , 2017, , .		7
92	Optimal integration of hybrid supercapacitor and IPT system for a free catenary tramway. , 2017, , .		1
93	Economic assessments on the use of wired and wireless recharging systems in Italian and European market. , 2017, , .		0
94	Enhanced loss model algorithm for interior permanent magnet synchronous machines. , 2017, , .		1
95	Designing a Sustainable University Recharge Area for Electric Vehicles: Technical and Economic Analysis. Energies, 2017, 10, 1604.	1.6	41
96	Economic evaluation on the use of reconfiguration systems for increase of energy production in PV plants. , 2016, , .		3
97	Interior permanent magnet synchronous motors: Impact of the variability of the parameters on their efficiency. , 2016, , .		11
98	Sliding mode torque control of an induction motor for automotive application with sliding mode flux observer. , 2016, , .		10
99	Experimental analysis with FPGA controller-based of MC PWM techniques for three-phase five level cascaded H-bridge for PV applications. , 2016, , .		33
100	Speed control of tubular linear induction motors for industrial automated applications. , 2016, , .		5
101	Experimental characterization of a wind generator prototype for sustainable small wind farms. , 2016, , .		8
102	Contributed Review: Review of thermal methods for space charge measurement. Review of Scientific Instruments, 2016, 87, 111501.	0.6	28
103	Italian incentive strategy and regulations on small wind power turbines: A critical overview. , 2016, , .		1
104	Leading the way toward fuel parity in photovoltaics: The utility-scale market in Sicily, Italy. , 2016, , .		3
105	Overview and experimental analysis of MC SPWM techniques for single-phase five level cascaded H-bridge FPGA controller-based. , 2016, , .		28
106	An inductive charger for automotive applications. , 2016, , .		19
107	A DSP-Based Resolver-To-Digital Converter for High-Performance Electrical Drive Applications. IEEE Transactions on Industrial Electronics, 2016, 63, 4042-4051.	5.2	70
108	An Exact Method for the Determination of Differential Leakage Factors in Electrical Machines With Non-Symmetrical Windings. IEEE Transactions on Magnetics, 2016, 52, 1-9.	1.2	18

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109	Reliability Analysis of Three Homogeneous Fault-tolerant Inverter Topologies. Electric Power Components and Systems, 2016, 44, 1991-2005.	1.0	5
110	Current fault signatures of Voltage Source Inverters in different reference frames. , 2016, , .		2
111	A cogging torque minimization procedure for IPMSMs based on different laminate geometry. , 2016, , .		8
112	Physiological compatibility of wireless chargers for electric bicycles. , 2015, , .		31
113	Novel Energy Modelling and Forecasting Tools for Smart Energy Networks. , 2015, , .		3
114	Analysis of driving cycles effects on power supply requirements of a fuel cell powered light-weight electric vehicle. , 2015, , .		4
115	A low-cost, real-time monitoring system for PV plants based on ATmega 328P-PU microcontroller. , 2015, , .		11
116	Finite-difference time-domain simulation of tower and grounding subjected to lightning. , 2015, , .		1
117	Android tool to evaluate grounding resistance. , 2015, , .		0
118	A review of multiple faults diagnosis methods in Voltage Source Inverters. , 2015, , .		6
119	Technical and economical comparison between NdFeB and hard ferrites linear electrical generators from sea waves. , 2015, , .		4
120	DC link voltage swinging and load current unbalance in fault tolerant VSI. overview and compensation strategies. , 2015, , .		0
121	Optimal energy management of smart grids with plug-in hybrid electric vehicles. , 2015, , .		5
122	Proof of Concept of an Irradiance Estimation System for Reconfigurable Photovoltaic Arrays. Energies, 2015, 8, 6641-6657.	1.6	30
123	Graded Carrier Concentration Absorber Profile for High Efficiency CIGS Solar Cells. International Journal of Photoenergy, 2015, 2015, 1-9.	1.4	43
124	A New Software Tool for Design, Optimization, and Complete Analysis of Rotating Electrical Machines Windings. IEEE Transactions on Magnetics, 2015, 51, 1-10.	1.2	41
125	Experimental study on efficiency enhancement in Interior Permanent Magnet Synchronous machines. , 2015, , .		9
126	Investigation of inductive coupling solutions for E-bike wireless charging. , 2015, , .		28



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127	Comprehensive Modelling and and Experimental Testing of Fault Detection and Management of a Non-Redundant Fault-Tolerant VSI. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	5.2	67
128	Efficiency optimization in bi-directional inductive power transfer systems. , 2015, , .		18
129	Comparison of models of fuel cells based on experimental data for the design of power electronics systems. IET Renewable Power Generation, 2015, 9, 660-668.	1.7	7
130	Analysis, characterization and minimization of IPMSMs cogging torque with different rotor structures. , 2015, , .		12
131	Design of a solar-battery-thermoelectric power converter prototype. , 2015, , .		1
132	Rainfall Energy Harvester. Advances in Environmental Engineering and Green Technologies Book Series, 2015, , 116-142.	0.3	4
133	A novel heuristics-based energy management system for a multi-carrier hub enriched with solid hydrogen storage. , 2014, , .		3
134	A modular approach in teaching thyristor rectifiers with equation-oriented softwares. , 2014, , .		2
135	Speed control of a two-degrees of freedom induction motor with rotor Helical Motion for industrial applications. , 2014, , .		7
136	Automotive brushless motor powered by fuel cell. , 2014, , .		3
137	Mixed heuristic-non linear optimization of energy management for hydrogen storage-based multi carrier hubs. , 2014, , .		7
138	Fuel Cell power system with LLC resonant DC/DC converter. , 2014, , .		4
139	A platform-independent software for the design and analysis of windings of rotating electrical machines. , 2014, , .		2
140	Performance comparison of tubular linear induction motors with different primary winding connections. , 2014, , .		12
141	Manufacturing tolerances effects on PV array energy production. , 2014, , .		7
142	Experimental investigation on high efficiency real-time control algorithms for IPMSMs. , 2014, , .		40
143	Control subsystem design for wireless power transfer. , 2014, , .		7
144	Economical evaluation of ecological benefits of the demand side management. , 2014, , .		33

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145	Achieving maximum power transfer in a multisource renewable system. , 2014, , .		2
146	Assisted software design of a wide variety of windings in rotating electrical machinery. , 2014, , .		7
147	Vibration signature analysis for monitoring rotor broken bar in double squirrel cage induction motors based on wavelet analysis. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2014, 33, 1625-1641.	0.5	14
148	Design and control of a novel multi-source renewable energy system. , 2014, , .		1
149	Technical and economical comparison between different topologies of PV plant under mismatch effect. , 2014, , .		13
150	Photovoltaic plant array reconfiguration: Design of a new device. , 2014, , .		5
151	Uncertainty management in the measurements for the electric power quality analysis. , 2014, , .		0
152	Piezoelectric model of rainfall energy harvester. , 2014, , .		26
153	Energy Consumption/Generation Model: Data collected, architecture conceived and scenarios addressed. , 2014, , .		2
154	Energy and network models for the intelligent control of distributed systems. , 2014, , .		0
155	CIGS PV module characteristic curves under chemical composition and thickness variations. , 2014, , .		2
156	Power tracking with maximum efficiency for wireless charging of E-bikes. , 2014, , .		14
157	Parametrical study of multilayer structures for CIGS solar cells. , 2014, , .		15
158	Experimental test on a fuel cell powered brushless synchronous motor for automotive applications. , 2014, , .		2
159	Performance evaluation of a multisource renewable power converter prototype. , 2014, , .		3
160	A review of fuel cell based hybrid power supply architectures and algorithms for household appliances. International Journal of Hydrogen Energy, 2014, 39, 1195-1209.	3.8	41
161	Perspective on hydrogen energy carrier and its automotive applications. International Journal of Hydrogen Energy, 2014, 39, 8482-8494.	3.8	339
162	A simple and accurate model of photovoltaic modules for power system design. , 2014, , .		8

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163	A DC-DC power converter for PV module characterization. , 2014, , .		3
164	An IPMSM torque/weight and torque/moment of inertia ratio optimization. , 2014, , .		21
165	Speed control of double-sided linear induction motors for automated manufacturing systems. , 2014, , .		5
166	Overview and performance comparison of grid synchronization algorithms. , 2014, , .		5
167	Experimental test on a Contactless Power Transfer system. , 2014, , .		20
168	Reconfiguration strategies to reduce mismatch effects on PV array: An Arduino-based prototype. , 2014, , .		6
169	A standard-compliant prototype for PV module curve detection. , 2014, , .		1
170	A PV plant simulator for testing MPPT techniques. , 2013, , .		20
171	A Novel Fuel Cell-Based Power System Modeling Approach. , 2013, , .		5
172	A semi-empirical multipurpose steady-state model of a fuel cell for household appliances. , 2013, , .		7
173	Vibration signature analysis for rotor broken bar diagnosis in double cage induction motor drives. , 2013, , .		20
174	Fuel cell modelling and test: Experimental validation of model accuracy. , 2013, , .		12
175	MATLAB-based simulator of a 5kW fuel cell for power electronics design. International Journal of Hydrogen Energy, 2013, 38, 7924-7934.	3.8	38
176	E-bike battery charging: Methods and circuits. , 2013, , .		34
177	A software for the evaluation of winding factor harmonic distribution in high efficiency electrical motors and generators. , 2013, , .		20
178	Demand side management and distributed on site actions benefits. , 2013, , .		6
179	A device for PV modules I-V characteristic detection. , 2013, , .		13
180	Controlled Fault-Tolerant Power Converters for Power Quality Enhancement. , 2013, , .		2

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181	Simplified hybrid PD model in voids: Pattern validation. , 2013, , .		17
182	Fuel cells for household appliances: Experimental test of power management algorithms. , 2013, , .		4
183	Design, sizing and set up of a specific low cost electronic load for PV modules characterization. , 2013, , .		9
184	Closed-loop bandwidth impact on MVSA for rotor broken bar diagnosis in IRFOC double squirrel cage induction motor drives. , 2013, , .		10
185	Quantitative rotor broken bar evaluation in double squirrel cage induction machines under dynamic operating conditions. , 2013, , .		2
186	Economic analysis on dynamic photovoltaic systems in new Italian &#x201C;feed in tariffs&#x201D; context. , 2013, , .		20
187	Photovoltaic module characteristics from CIGS solar cell modelling. , 2013, , .		8
188	Diagnosis of mechanical unbalance for double cage induction motor load in time-varying conditions based on motor vibration signature analysis. , 2013, , .		7
189	Inductive Power Transfer for 100W battery charging. , 2013, , .		17
190	A Perspective on the Future of Distribution: Smart Grids, State of the Art, Benefits and Research Plans. Energy and Power Engineering, 2013, 05, 36-42.	0.5	15
191	A photovoltaic charging system of an electrically assisted tricycle for touristic purposes. , 2013, , .		11
192	Harvesting rainfall energy by means of piezoelectric transducer. , 2013, , .		37
193	Wireless battery charging: E-bike application. , 2013, , .		27
194	Evaluation of performance and efficiency and type approval of an electrically assisted bicycle drive. , 2013, , .		4
195	On the harvest of rainfall energy by means of piezoelectric transducer. , 2013, , .		10
196	Thin Film CIGS Solar Cells, Photovoltaic Modules, and the Problems of Modeling. International Journal of Photoenergy, 2013, 2013, 1-11.	1.4	18
197	Energy Management and Smart Grids. Energies, 2013, 6, 2262-2290.	1.6	97
198	A multi-input, single-inductor power system for multisource energy harvesting. , 2013, , .		5

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199	Numerical and experimental validation of a $\text{LiFePO}_4$ battery model at steady state and transient operations. , 2013, , .		12
200	Electric power quality evaluation in the presence of electromagnetic emissions. , 2013, , .		5
201	Uncertainty evaluation in the measurements for the electric power quality analysis. , 2013, , .		7
202	A circuit model of a 5kW fuel cell. , 2013, , .		6
203	Performance of the shape of Partial Discharge signal wireless probes. , 2013, , .		12
204	Fault Tolerant Ancillary Function of Power Converters in Distributed Generation Power System within a Microgrid Structure. <i>Advances in Power Electronics</i> , 2013, 2013, 1-12.	0.8	8
205	Numerical analysis of medium scale PV plants and their power-flow control system with a simple three phase inverter. , 2012, , .		3
206	Experimental validation of a general model for three phase inverters operating in healthy and faulty modes. , 2012, , .		10
207	Analytical Investigation and Control System Set-up of Medium Scale PV Plants for Power Flow Management. <i>Energies</i> , 2012, 5, 4399-4416.	1.6	30
208	A geometrical simple approach for power silicon devices fault detection and fault-tolerant operation of a voltage source inverter. , 2012, , .		12
209	Investigation of motor current signature and vibration analysis for diagnosing rotor broken bars in double cage induction motors. , 2012, , .		30
210	A small power transmission prototype for electric vehicle wireless battery charge applications. , 2012, , .		21
211	Computer aided optimization via simulation tools of energy generation systems with universal small wind turbines. , 2012, , .		35
212	A general mathematical model for non-redundant fault-tolerant inverters. , 2011, , .		26
213	Monitoring and diagnosis of failures in squirrel-cage induction motors due to cracked or broken bars. , 2011, , .		14
214	A suitable control technique for fault-tolerant converters in Distributed Generation. , 2011, , .		30
215	Main Fuel Cells mathematical models: Comparison and analysis in terms of free parameters. , 2010, , .		6
216	Dynamics photovoltaic generators: Technical aspects and economical valuation. , 2010, , .		30

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217	An electrochemical route towards the fabrication of nanostructured semiconductor solar cells. , 2010, , .		19
218	Flexible power converters for the fault tolerant operation of Micro-Grids. , 2010, , .		12
219	Back EMF Sensorless-Control Algorithm for High-Dynamic Performance PMSM. IEEE Transactions on Industrial Electronics, 2010, 57, 2092-2100.	5.2	287
220	Development of diagnostic systems for the fault tolerant operation of Micro-Grids.. , 2010, , .		16
221	Improvement of IPMSM performance through a mixed radial-tangential rotor structure. , 2010, , .		6
222	Integration of distributed on site control actions via combined photovoltaic and solar panels system. , 2009, , .		16
223	Implementation and experimental validation of a real-time PWM algorithm based on B-Spline carriers for three phase voltage source inverters. , 2009, , .		3
224	Digital demodulation for fast set-up of sensorless PMSM electrical drives based on magnetic anisotropy. , 2009, , .		1
225	A mathematical model to determine the electrical energy production in photovoltaic fields under mismatch effect. , 2009, , .		51
226	Algebraic real-time algorithm for B-Spline sinusoidal pulse width modulation in three phase voltage source inverters.. , 2008, , .		4
227	New digital demodulator for sensorless control of electrical drives with Permanent Magnet Synchronous Motors. , 2008, , .		1
228	Active power maximizing for Wind Electrical Energy Generating Systems moved by a Modular Multiple Blade Fixed Pitch Wind Turbine. , 2008, , .		33
229	Wind Electrical energy generating systems EMC. A dedicated experimental simulator for tests. , 2008, , .		4
230	Environmental benefits through new distributed on site control actions inside European apartments. , 2008, , .		11
231	A novel correction method for a low cost sensorless control system of IPMSM electrical drives. , 2008, , .		3
232	Integrated mathematical model of proton exchange membrane fuel cell stack (PEMFC) with automotive synchronous electrical power drive. , 2008, , .		26
233	The use of sea waves for generation of electrical energy: a linear tubular asynchronous electrical generator. , 2007, , .		13
234	Economical Incentives and Systems of Certification for the Production of Electrical Energy from Renewable Energy Resources. , 2007, , .		27

#	ARTICLE	IF	CITATIONS
235	Optimum Performance of Permanent Magnet Synchronous Generators Coupled to Wind Turbines. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	10
236	Evaluation of the power quality from a seawave power farm for different interconnection schemes. , 2007, , .		6
237	Efficiency Maximization of Permanent Magnet Synchronous Generators Coupled Coupled to Wind Turbines. , 2007, , .		40
238	Efficiency Control for Permanent Magnet Synchronous Generators. , 2006, , .		13
239	Test Bench Realization and Application of Specific Working Cycles for the Characterization of Wheelchair Electrical Drives. , 2006, , .		7
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