Joao L Afonso

List of Publications by Year
in descending order

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182 papers	2,673 citations	331259 21 h-index	288905 40 g-index
187 all docs	187 docs citations	187 times ranked	2099 citing authors

#	Article	IF	Citations
1	A Unified Topology for the Integration of Electric Vehicle, Renewable Energy Source, and Active Filtering for the Power Quality Improvement of the Electrical Power Grid: An Experimental Validation. Electronics (Switzerland), 2022, 11, 429.	1.8	5
2	Power Electronics Technologies and Applicationsfor EV Battery Charging Systems. Energies, 2022, 15, 1049.	1.6	0
3	A Review on Integrated Battery Chargers for Electric Vehicles. Energies, 2022, 15, 2756.	1.6	4
4	Experimental Validation of a Reduced-Scale Rail Power Conditioner Based on Modular Multilevel Converter for AC Railway Power Grids. Energies, 2021, 14, 484.	1.6	13
5	Submodule Topologies and PWM Techniques Applied in Modular Multilevel Converters: Review and Analysis. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 111-131.	0.2	2
6	A Single-Phase Current-Source Converter Combined with a Hybrid Converter for Interfacing an Electric Vehicle and a Renewable Energy Source. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 175-186.	0.2	1
7	Smart home power management system for electric vehicle battery charger and electrical appliance control. International Transactions on Electrical Energy Systems, 2021, 31, e12812.	1.2	3
8	Unified Power Converter Based on a Dual-Stator Permanent Magnet Synchronous Machine for Motor Drive and Battery Charging of Electric Vehicles. Energies, 2021, 14, 3344.	1.6	2
9	A Multilevel Bidirectional Four-Port DC-DC Converter to Create a DC-Grid in Solid-State Transformers with Hybrid AC/DC Grids. , 2021, , .		3
10	Review of a Disruptive Vision of Future Power Grids: A New Path Based on Hybrid AC/DC Grids and Solid-State Transformers. Sustainability, 2021, 13, 9423.	1.6	13
11	Model Predictive Control of a Single-Phase Five-Level VIENNA Rectifier. , 2021, , .		1
12	The Role of Front-End AC/DC Converters in Hybrid AC/DC Smart Homes: Analysis and Experimental Validation. Electronics (Switzerland), 2021, 10, 2601.	1.8	12
13	Interfacing Power Electronics Systems for Smart Grids: Innovative Perspectives of Unified Systems and Operation Modes. , 2021, , .		1
14	Continuous Control Set Model Predictive Control of a Bridgeless-Boost Three-Level Active Rectifier. , 2021, , .		0
15	A Novel Multilevel Interleaved-Based PFC Rectifier with Modular DC Interfaces. , 2021, , .		1
16	Blockchain and Internet of Things for Electrical Energy Decentralization: A Review and System Architecture. Energies, 2021, 14, 8043.	1.6	11
17	A Review on Power Electronics Technologies for Power Quality Improvement. Energies, 2021, 14, 8585.	1.6	23
18	Design of an Intrinsically Safe Series-Series Compensation WPT System for Automotive LiDAR. Electronics (Switzerland), 2020, 9, 86.	1.8	2

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19	The future of power systems: Challenges, trends, and upcoming paradigms. Wiley Interdisciplinary Reviews: Energy and Environment, 2020, 9, e368.	1.9	35
20	Wireless Communication and Management System for E-Bike Dynamic Inductive Power Transfer Lanes. Electronics (Switzerland), 2020, 9, 1485.	1.8	7
21	New Reactive Power Compensation Strategies for Railway Infrastructure Capacity Increasing. Energies, 2020, 13, 4379.	1.6	10
22	New Multifunctional Isolated Microinverter with Integrated Energy Storage System for PV Applications. Energies, 2020, 13, 4016.	1.6	8
23	A Review on Power Electronics Technologies for Electric Mobility. Energies, 2020, 13, 6343.	1.6	26
24	Review of Five-Level Front-End Converters for Renewable-Energy Applications. Frontiers in Energy Research, 2020, 8, .	1.2	5
25	Deadbeat Predictive Current Control for Circulating Currents Reduction in a Modular Multilevel Converter Based Rail Power Conditioner. Applied Sciences (Switzerland), 2020, 10, 1849.	1.3	9
26	An Off-Board Multi-Functional Electric Vehicle Charging Station for Smart Homes: Analysis and Experimental Validation. Energies, 2020, 13, 1864.	1.6	9
27	The Role of Off-Board EV Battery Chargers in Smart Homes and Smart Grids: Operation with Renewables and Energy Storage Systems. , 2020, , 47-72.		2
28	A Novel Single-Phase Shunt Active Power Filter Based on a Current-Source Converter with Reduced Dc-Link. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 269-280.	0.2	1
29	Topologies and Operation Modes of Rail Power Conditioners in AC Traction Grids: Review and Comprehensive Comparison. Energies, 2020, 13, 2151.	1.6	26
30	The Electric Vehicle in Smart Homes: A Review and Future Perspectives. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 3-17.	0.2	0
31	STATCOM Evaluation in Electrified Railway Using V/V and Scott Power Transformers. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 18-32.	0.2	3
32	Towards Smart Railways: A Charging Strategy for On-Board Energy Storage Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 33-46.	0.2	0
33	A Three-Level dc-dc Converter for Bipolar dc Power Grids: Analysis and Experimental Validation. , 2020, , .		6
34	Comprehensive Analysis and Experimental Validation of Five-Level Converters for EV Battery Chargers Framed in Smart Grids. , 2019, , .		5
35	Sliding Mode Control of an Innovative Single-Switch Three-Level Active Rectifier. , 2019, , .		2
36	A Novel Multilevel Converter for On-Grid Interface of Renewable Energy Sources in Smart Grids. , 2019, , .		6

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37	Parallel Association of Power Semiconductors: An Experimental Evaluation with IGBTs and MOSFETs. , 2019, , .		1
38	IoT and Blockchain Paradigms for EV Charging System. Energies, 2019, 12, 2987.	1.6	19
39	Development of a Proposed Single-Phase Series Active Power Filter without External Power Sources. , 2019, , .		8
40	A Proposed Bidirectional Three-Level dc-dc Power Converter for Applications in Smart Grids: An Experimental Validation. , 2019, , .		6
41	Integrated System for Traction and Battery Charging of Electric Vehicles with Universal Interface to the Power Grid. IFIP Advances in Information and Communication Technology, 2019, , 355-366.	0.5	1
42	Experimental Evaluation of a Control System Based on a Dual-DSP Architecture for a Unified Power Quality Conditioner. Energies, 2019, 12, 1694.	1.6	4
43	Improved vehicle-for-grid (iV4G) mode: Novel operation mode for EVs battery chargers in smart grids. International Journal of Electrical Power and Energy Systems, 2019, 110, 579-587.	3.3	29
44	A Novel Hardware Protection Scheme for a Modular Multilevel Converter Half-Bridge Submodule. , 2019, , .		4
45	Experimental Validation of a Bidirectional Three-Level dc-dc Converter for On-Board or Off-Board EV Battery Chargers. , 2019, , .		10
46	A Proposed Single-Phase Five-Level PFC Rectifier for Smart Grid Applications: An Experimental Evaluation. , 2019, , .		1
47	Vehicle Electrification: New Challenges and Opportunities for Smart Grids. Energies, 2019, 12, 118.	1.6	36
48	Comprehensive Study for a Rail Power Conditioner Based on a Singleâ€“Phase Fullâ€“Bridge Backâ€“toâ€“Back Indirect Modular Multilevel Converter. , 2019, , 263-279.		0
49	Optimizing the Train-Catenary Electrical Interface Through Control Reconfiguration. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 24-39.	0.2	0
50	Power Electronics Converters for an Electric Vehicle Fast Charging Station with Storage Capability. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 119-130.	0.2	4
51	Performance Comparison of a Typical Nonlinear Load Connected to Ac and Dc Power Grids. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 54-63.	0.2	2
52	Improved Voltage Control of the Electric Vehicle Operating as UPS in Smart Homes. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 1-12.	0.2	0
53	Experimental Validation of a Novel Architecture Based on a Dual-Stage Converter for Off-Board Fast Battery Chargers of Electric Vehicles. IEEE Transactions on Vehicular Technology, 2018, 67, 1000-1011.	3.9	115
54	Experimental Validation of a Three-Port Integrated Topology to Interface Electric Vehicles and Renewables With the Electrical Grid. IEEE Transactions on Industrial Informatics, 2018, 14, 2364-2374.	7.2	106

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55	Modeling and Validation of the Dynamics and Energy Consumption for Train Simulation. , 2018, , .		2
56	Heuristic-based Speed Profile Generation for Multi-Train Simulator. , 2018, , .		1
57	A Novel Five-Level Semi-Bridgeless Power Factor Correction Topology. , 2018, , .		1
58	An Energy Management Platform for Public Buildings. Electronics (Switzerland), 2018, 7, 294.	1.8	22
59	Performance Evaluation of a Proportional-Integral with Proportional-Derivative Feedforward Voltage Control for UPSs. , 2018, , .		0
60	A Novel Control Strategy Based on Predictive Control for a Bidirectional Interleaved Three-Phase Converter. , 2018, , .		1
61	A Novel Multilevel Bidirectional Topology for On-Board EV Battery Chargers in Smart Grids. Energies, 2018, 11, 3453.	1.6	19
62	New Perspectives for Vehicle-to-Vehicle (V2V) Power Transfer. , 2018, , .		41
63	A Novel Multi-Objective Off-Board EV Charging Station for Smart Homes. , 2018, , .		5
64	Development of an IoT System with Smart Charging Current Control for Electric Vehicles. , 2018, , .		7
65	A Novel Fixed Switching Frequency Control Strategy Applied to an Improved Five-Level Active Rectifier. , 2018, , .		0
66	A Novel Single-Phase Bidirectional Nine-Level Converter Employing Four Quadrant Switches. , 2018, , .		1
67	Selective Harmonic Measurement and Compensation Using Smart Inverters in a Microgrid with Distributed Generation. , 2018, , .		2
68	Innovative Off-Board EV Home Charging Station as a Smart Home Enabler: Present and Proposed Perspectives. , 2018, , .		5
69	Single-Phase Shunt Active Power Filter Based on a 5-Level Converter Topology. Energies, 2018, 11, 1019.	1.6	12
70	Power quality phenomena in electrified railways: Conventional and new trends in power quality improvement toward public power systems. , 2018, , .		15
71	A novel two-switch three-level active rectifier for grid-connected electrical appliances in smart grids. , 2018, , .		1
72	Improved Vehicle-to-Home (iV2H) Operation Mode: Experimental Analysis of the Electric Vehicle as Off-Line UPS. IEEE Transactions on Smart Grid, 2017, 8, 2702-2711.	6.2	71

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73	Decision Process to Manage Renewable Energy Production in Smart Grid Environment. Communications in Computer and Information Science, 2017, , 299-306.	0.4	0
74	A novel single-phase five-level active rectifier for on-board EV battery chargers. , 2017, , .		13
75	Model Predictive Current Control of a Slow Battery Charger for Electric Mobility Applications. Lecture Notes in Electrical Engineering, 2017, , 643-653.	0.3	1
76	OpenADRâ€"Intelligent Electrical Energy Consumption Towards Internet-of-Things. Lecture Notes in Electrical Engineering, 2017, , 725-736.	0.3	3
77	A Low-Cost ZigBee-Based Wireless Industrial Automation System. Lecture Notes in Electrical Engineering, 2017, , 739-749.	0.3	3
78	Renewable Energy System for an Isolated Sustainable Social Centre. Lecture Notes in Electrical Engineering, 2017, , 701-711.	0.3	0
79	Model Predictive Control of an On-Board Fast Battery Charger for Electric Mobility Applications. Lecture Notes in Electrical Engineering, 2017, , 679-689.	0.3	2
80	IoT system for anytime/anywhere monitoring and control of vehicles' parameters. , 2017, , .		9
81	Mobile device sensing system for urban goods distribution logistics. , 2017, , .		1
82	Single-phase shunt active power filter with UPS operation using a bidirectional Dc-Dc converter for energy storage interface. , 2017, , .		3
83	Novel single-phase five-level VIENNA-type rectifier with model predictive current control. , 2017, , .		12
84	RFID-triggered power activation for smart dynamic inductive wireless power transfer. , 2017, , .		4
85	Simplified rail power conditioner based on a half-bridge indirect AC/DC/AC Modular Multilevel Converter and a V/V power transformer. , 2017, , .		6
86	New multifunctional push-pull converter operating with MPPT and integrated energy storage system for PV micro-inverter applications. , 2017, , .		1
87	Mobile Sensing System for Cycling Power Output Control. Lecture Notes in Electrical Engineering, 2017, , 773-783.	0.3	1
88	Evaluation of the Introduction of Electric Vehicles in the Power Gridâ€"A Study for the Island of Maio in Cape Verde. Lecture Notes in Electrical Engineering, 2017, , 713-724.	0.3	2
89	Comprehensive Analysis and Comparison of Digital Current Control Techniques for Active Rectifiers. Lecture Notes in Electrical Engineering, 2017, , 655-666.	0.3	2
90	Digital Control of a Novel Single-Phase Three-Port Bidirectional Converter to Interface Renewables and Electric Vehicles with the Power Grid. Lecture Notes in Electrical Engineering, 2017, , 667-677.	0.3	0

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91	Single phase NPC inverter controller with integrated MPPT for PV grid connection. , 2016, , .		4
92	Model predictive current control of a proposed single-switch three-level active rectifier applied to EV battery chargers. , 2016, , .		17
93	On the validation of an electric bus simulation model through sensitivity analysis. , 2016, , .		1
94	Dynamic inductive power transfer lane design for e-bikes. , 2016, , .		7
95	Assessment of the use of vanadium redox flow batteries for energy storage and fast charging of electric vehicles in gas stations. Energy, 2016, 115, 1478-1494.	4.5	42
96	Performance Evaluation of Bluetooth Low Energy for High Data Rate Body Area Networks. Wireless Personal Communications, 2016, 90, 121-141.	1.8	31
97	Model Predictive Control Applied to an Improved Five-Level Bidirectional Converter. IEEE Transactions on Industrial Electronics, 2016, 63, 5879-5890.	5.2	51
98	Control algorithms based on the active and nonâ€active currents for a UPQC without series transformers. IET Power Electronics, 2016, 9, 1985-1994.	1.5	24
99	Real-time simulation of renewable energy transactions in microgrid context using real hardware resources. , 2016, , .		6
100	A novel modular voltage balancing topology for active battery management system. , 2016, , .		4
101	Energy rating methodology for light-duty vehicles: geographical impact. Environment, Development and Sustainability, 2016, 18, 1501-1519.	2.7	4
102	Wireless Body Area Network for Cycling Posture Monitoring. , 2016, , 503-517.		0
103	Operation Modes for the Electric Vehicle in Smart Grids and Smart Homes: Present and Proposed Modes. IEEE Transactions on Vehicular Technology, 2016, 65, 1007-1020.	3.9	207
104	A Flexible Infrastructure for Dynamic Power Control of Electric Vehicle Battery Chargers. IEEE Transactions on Vehicular Technology, 2016, 65, 4535-4547.	3.9	32
105	Tracking Users Mobility Patterns Towards CO2 Footprint. Advances in Intelligent Systems and Computing, 2016, , 87-96.	0.5	3
106	Development of a solar concentrator withÂtrackingÂsystem. Mechanical Sciences, 2016, 7, 233-245.	0.5	13
107	A single chip FPGA-based cross-coupling multi-motor drive system. IEICE Electronics Express, 2015, 12, 20150383-20150383.	0.3	3
108	Experimental validation of a proposed single-phase five-level active rectifier operating with model predictive current control. , 2015, , .		17

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109	Control algorithms for a unified power quality conditioner based on three-level converters. International Transactions on Electrical Energy Systems, 2015, 25, 2394-2411.	1.2	12
110	Three-phase current-source shunt active power filter with solar photovoltaic grid interface. , 2015, , .		10
111	A novel concept of unidirectional bridgeless combined boost-buck converter for EV battery chargers. , 2015, , .		5
112	Three-phase three-level current-source converter for EVs fast battery charging systems. , 2015, , .		6
113	A novel architecture of a bidirectional bridgeless interleaved converter for EV battery chargers. , 2015, , .		3
114	New Control Algorithm for Single-Phase Series Active Power Filter. Electric Power Components and Systems, 2015, 43, 1752-1760.	1.0	11
115	Mobile Cockpit System for Enhanced Electric Bicycle Use. IEEE Transactions on Industrial Informatics, 2015, 11, 1017-1027.	7.2	16
116	A single chip FPGA-based solution for controlling of multi-unit PMSM motor with time-division multiplexing scheme. Microprocessors and Microsystems, 2015, 39, 621-633.	1.8	7
117	Predictive control of a current-source inverter for solar photovoltaic grid interface. , 2015, , .		9
118	Comprehensive comparison of a current-source and a voltage-source converter for three-phase EV fast battery chargers. , 2015, , .		22
119	Smart Platform towards Batteries Analysis Based on Internet-of-Things. Procedia Technology, 2014, 17, 520-527.	1.1	5
120	Implementation and comparison of different switching techniques for shunt active power filters. , 2014, , .		4
121	Smart Charging Management for Electric Vehicle Battery Chargers. , 2014, , .		9
122	Field oriented control of an axial flux permanent magnet synchronous motor for traction solutions. , 2014, , .		3
123	On-board electric vehicle battery charger with enhanced V2H operation mode. , 2014, , .		13
124	A Case Study on the Conversion of an Internal Combustion Engine Vehicle into an Electric Vehicle. , 2014, , .		18
125	Power Outage Detection Methods for the Operation of a Shunt Active Power Filter as Energy Backup System. IFIP Advances in Information and Communication Technology, 2014, , 409-416.	0.5	0
126	Various strategies comparison of NPC inverter current control connected to the grid for photovoltaic system. , 2014, , .		0

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127	Renewable energy system for an isolated micro grid. , 2014, , .		0
128	FPGA Field Oriented Control of an Axial Flux motor-in-wheel. , 2014, , .		0
129	Onboard Reconfigurable Battery Charger for Electric Vehicles With Traction-to-Auxiliary Mode. IEEE Transactions on Vehicular Technology, 2014, 63, 1104-1116.	3.9	134
130	Low-cost I-V tracer for photovoltaic modules and strings. , 2014, , .		10
131	Vehicle-to-Anything Application (V2Anything App) for Electric Vehicles. IEEE Transactions on Industrial Informatics, 2014, 10, 1927-1937.	7.2	72
132	Route Planning for Electric Buses: A Case Study in Oporto. Procedia, Social and Behavioral Sciences, 2014, 111, 1004-1014.	0.5	44
133	Electric vehicle assistant based on driver profile. International Journal of Electric and Hybrid Vehicles, 2014, 6, 335.	0.2	7
134	Operation Modes of Battery Chargers for Electric Vehicles in the Future Smart Grids. IFIP Advances in Information and Communication Technology, 2014, , 401-408.	0.5	5
135	Driver Attitude and Its Influence on the Energy Waste of Electric Buses. Lecture Notes in Computer Science, 2014, , 99-108.	1.0	2
136	Dynamic range prediction for an electric vehicle. , 2013, , .		23
137	Evaluation of a Shunt Active Power Filter with energy backup capability. , 2013, , .		4
138	Multilevel Inverter for Grid-Connected Photovoltaic Systems with Active Filtering Function. IFIP Advances in Information and Communication Technology, 2013, , 289-298.	0.5	5
139	Bidirectional battery charger with Grid-to-Vehicle, Vehicle-to-Grid and Vehicle-to-Home technologies. , 2013, , .		86
140	Collaborative Broker for Distributed Energy Resources. Intelligent Systems, Control and Automation: Science and Engineering, 2013, , 365-376.	0.3	10
141	Electric Vehicles On-Board Battery Charger for the Future Smart Grids. IFIP Advances in Information and Communication Technology, 2013, , 351-358.	0.5	16
142	Analysis of the Features of a UPQC to Improve Power Quality in Smart Grids. IFIP Advances in Information and Communication Technology, 2013, , 299-306.	0.5	2
143	Comparison of current-source and voltage-source Shunt Active Power Filters for harmonic compensation and reactive power control. , 2012, , .		17
144	Eliminating Leakage Currents in Neutral Point Clamped Inverters for Photovoltaic Systems. IEEE Transactions on Industrial Electronics, 2012, 59, 435-443.	5.2	208

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145	A three-phase four-wire Unified Power Quality Conditioner without series transformers. , 2012, , .		5
146	Real time digital control system for a single-phase shunt active power filter. , 2012, , .		3
147	Assessment of a battery charger for Electric Vehicles with reactive power control. , 2012, , .		63
148	On the Potential of Regenerative Braking of Electric Buses as a Function of Their Itinerary. Procedia, Social and Behavioral Sciences, 2012, 54, 1156-1167.	0.5	32
149	A simplified methodology for parameters measurement of an Axial Flux Permanent Magnet motor without neutral point. , 2012, , .		2
150	Current-Source Shunt Active Power Filter with Periodic-Sampling Modulation Technique. , 2012, , .		4
151	Evaluation of two fundamental Positive-Sequence Detectors for highly distorted and unbalanced systems. , 2011, , .		2
152	Single-Phase Series Active Conditioner for the compensation of Voltage Harmonics, Sags, Swell and Flicker. , 2011, , .		4
153	Three Phase Four Wire Shunt Active Power Filter from theory to industrial facility tests. , 2011, , .		6
154	Smart electric vehicle charging system. , 2011, , .		30
155	Impact of Electric Vehicles on power quality in a Smart Grid context. , 2011, , .		55
156	Mobi_System: A personal travel assistance for electrical vehicles in smart cities. , 2011, , .		4
157	Electric Vehicle Communities for Electric Market. World Electric Vehicle Journal, 2010, 4, 683-692.	1.6	0
158	Transformerless photovoltaic systems using neutral point clamped multilevel inverters. , 2010, , .		12
159	iV2G Charging Platform. , 2010, , .		10
160	Simulation of Electrical Distributed Energy Resources for Electrical Vehicles Charging Process Strategy. , 2010, , .		3
161	Instantaneous p–q power theory for control of compensators in micro-grids. , 2010, , .		31
162	Development of an Electrical Power Quality Monitor based on a PC. , 2009, , .		8

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163	Comparisons between synchronizing circuits to control algorithms for single-phase active converters. , 2009, , .		8
164	Electric power quality monitoring results in different facilities. , 2009, , .		0
165	Comparison of three control theories for single-phase Active Power Filters. , 2009, , .		16
166	Single-phase Shunt Active Filter interfacing renewable energy sources with the power grid. , 2009, , .		20
167	Field results on developed three-phase four-wire Shunt Active Power Filters. , 2009, , .		17
168	Compensation algorithms based on the p-q and CPC theories for switching compensators in micro-grids. , 2009, , .		25
169	A control strategy for a three-phase four-wire shunt active filter. , 2008, , .		13
170	Simple camera calibration for light measurements. , 2008, , .		0
171	Custom Power Interfaces for Renewable Energy Sources. , 2007, , .		14
172	Experimental Results of a Single-Phase Shunt Active Filter Prototype with Different Switching Techniques. , 2007, , .		9
173	A Combined Series Active Filter and Passive Filters for Harmonics, Unbalances and Flicker Compensation. , 2007, , .		12
174	Shunt Active Power Filter with Dynamic Output Current Limitation. , 2007, , .		10
175	Parallel Association of Shunt Active Power Filters. , 2007, , .		5
176	Sistema Digital de Bajo Coste para la MonitorizaciÃ³n de la Calidad de EnergÃa ElÃ©ctrica. Informacion Tecnologica (discontinued), 2007, 18, .	0.1	1
177	Single phase shunt active filter with digital control. Renewable Energy and Power Quality Journal, 2007, 1, 619-624.	0.2	7
178	Low-Cost Digital System for Power Quality Monitoring. Renewable Energy and Power Quality Journal, 2003, 1, 377-382.	0.2	4
179	Fuzzy logic speed control of an induction motor. Microprocessors and Microsystems, 1999, 22, 523-534.	1.8	30
180	p-q Theory power components calculations. , 0, , .		61

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181	A personal computer based controller for an active power filter. , 0, , .		4
182	Vehicle Electrification: Technologies, Challenges, and a Global Perspective for Smart Grids. , 0, , .		5