Joao L Afonso

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2009790/publications.pdf

Version: 2024-02-01

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	Eliminating Leakage Currents in Neutral Point Clamped Inverters for Photovoltaic Systems. IEEE Transactions on Industrial Electronics, 2012, 59, 435-443.	5.2	208
2	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
3	Onboard Reconfigurable Battery Charger for Electric Vehicles With Traction-to-Auxiliary Mode. IEEE Transactions on Vehicular Technology, 2014, 63, 1104-1116.	3.9	134
4	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
5	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
6	Bidirectional battery charger with Grid-to-Vehicle, Vehicle-to-Grid and Vehicle-to-Home technologies. , 2013, , .		86
7	Vehicle-to-Anything Application (V2Anything App) for Electric Vehicles. IEEE Transactions on Industrial Informatics, 2014, 10, 1927-1937.	7.2	72
8	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
9	Assessment of a battery charger for Electric Vehicles with reactive power control. , 2012, , .		63
10	p-q Theory power components calculations. , 0, , .		61
11	Impact of Electric Vehicles on power quality in a Smart Grid context. , 2011, , .		55
12	Model Predictive Control Applied to an Improved Five-Level Bidirectional Converter. IEEE Transactions on Industrial Electronics, 2016, 63, 5879-5890.	5.2	51
13	Route Planning for Electric Buses: A Case Study in Oporto. Procedia, Social and Behavioral Sciences, 2014, 111, 1004-1014.	0.5	44
14	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
15	New Perspectives for Vehicle-to-Vehicle (V2V) Power Transfer. , 2018, , .		41
16	Vehicle Electrification: New Challenges and Opportunities for Smart Grids. Energies, 2019, 12, 118.	1.6	36
17	The future of power systems: Challenges, trends, and upcoming paradigms. Wiley Interdisciplinary Reviews: Energy and Environment, 2020, 9, e368.	1.9	35
18	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

#	Article	IF	Citations
19	A Flexible Infrastructure for Dynamic Power Control of Electric Vehicle Battery Chargers. IEEE Transactions on Vehicular Technology, 2016, 65, 4535-4547.	3.9	32
20	Instantaneous p–q power theory for control of compensators in micro-grids. , 2010, , .		31
21	Performance Evaluation of Bluetooth Low Energy for High Data Rate Body Area Networks. Wireless Personal Communications, 2016, 90, 121-141.	1.8	31
22	Fuzzy logic speed control of an induction motor. Microprocessors and Microsystems, 1999, 22, 523-534.	1.8	30
23	Smart electric vehicle charging system. , 2011, , .		30
24	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
25	A Review on Power Electronics Technologies for Electric Mobility. Energies, 2020, 13, 6343.	1.6	26
26	Topologies and Operation Modes of Rail Power Conditioners in AC Traction Grids: Review and Comprehensive Comparison. Energies, 2020, 13, 2151.	1.6	26
27	Compensation algorithms based on the p-q and CPC theories for switching compensators in micro-grids. , 2009, , .		25
28	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
29	Dynamic range prediction for an electric vehicle. , 2013, , .		23
30	A Review on Power Electronics Technologies for Power Quality Improvement. Energies, 2021, 14, 8585.	1.6	23
31	Comprehensive comparison of a current-source and a voltage-source converter for three-phase EV fast battery chargers. , 2015, , .		22
32	An Energy Management Platform for Public Buildings. Electronics (Switzerland), 2018, 7, 294.	1.8	22
33	Single-phase Shunt Active Filter interfacing renewable energy sources with the power grid. , 2009, , .		20
34	A Novel Multilevel Bidirectional Topology for On-Board EV Battery Chargers in Smart Grids. Energies, 2018, 11, 3453.	1.6	19
35	IoT and Blockchain Paradigms for EV Charging System. Energies, 2019, 12, 2987.	1.6	19
36	A Case Study on the Conversion of an Internal Combustion Engine Vehicle into an Electric Vehicle. , 2014, , .		18

#	Article	IF	Citations
37	Field results on developed three-phase four-wire Shunt Active Power Filters. , 2009, , .		17
38	Comparison of current-source and voltage-source Shunt Active Power Filters for harmonic compensation and reactive power control. , 2012, , .		17
39	Experimental validation of a proposed single-phase five-level active rectifier operating with model predictive current control. , 2015, , .		17
40	Model predictive current control of a proposed single-switch three-level active rectifier applied to EV battery chargers. , 2016, , .		17
41	Comparison of three control theories for single-phase Active Power Filters. , 2009, , .		16
42	Electric Vehicles On-Board Battery Charger for the Future Smart Grids. IFIP Advances in Information and Communication Technology, 2013, , 351-358.	0.5	16
43	Mobile Cockpit System for Enhanced Electric Bicycle Use. IEEE Transactions on Industrial Informatics, 2015, 11, 1017-1027.	7.2	16
44	Power quality phenomena in electrified railways: Conventional and new trends in power quality improvement toward public power systems. , 2018, , .		15
45	Custom Power Interfaces for Renewable Energy Sources. , 2007, , .		14
46	A control strategy for a three-phase four-wire shunt active filter. , 2008, , .		13
47	On-board electric vehicle battery charger with enhanced V2H operation mode. , 2014, , .		13
48	A novel single-phase five-level active rectifier for on-board EV battery chargers. , 2017, , .		13
49	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
50	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
51	Development of a solar concentrator withÂtrackingÂsystem. Mechanical Sciences, 2016, 7, 233-245.	0.5	13
52	A Combined Series Active Filter and Passive Filters for Harmonics, Unbalances and Flicker Compensation. , 2007, , .		12
53	Transformerless photovoltaic systems using neutral point clamped multilevel inverters. , 2010, , .		12
54	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

#	Article	IF	Citations
55	Novel single-phase five-level VIENNA-type rectifier with model predictive current control. , 2017, , .		12
56	Single-Phase Shunt Active Power Filter Based on a 5-Level Converter Topology. Energies, 2018, 11, 1019.	1.6	12
57	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
58	New Control Algorithm for Single-Phase Series Active Power Filter. Electric Power Components and Systems, 2015, 43, 1752-1760.	1.0	11
59	Blockchain and Internet of Things for Electrical Energy Decentralization: A Review and System Architecture. Energies, 2021, 14, 8043.	1.6	11
60	Shunt Active Power Filter with Dynamic Output Current Limitation. , 2007, , .		10
61	iV2G Charging Platform. , 2010, , .		10
62	Collaborative Broker for Distributed Energy Resources. Intelligent Systems, Control and Automation: Science and Engineering, 2013, , 365-376.	0.3	10
63	Low-cost I-V tracer for photovoltaic modules and strings. , 2014, , .		10
64	Three-phase current-source shunt active power filter with solar photovoltaic grid interface. , 2015, , .		10
65	Experimental Validation of a Bidirectional Three-Level dc-dc Converter for On-Board or Off-Board EV Battery Chargers. , 2019, , .		10
66	New Reactive Power Compensation Strategies for Railway Infrastructure Capacity Increasing. Energies, 2020, 13, 4379.	1.6	10
67	Experimental Results of a Single-Phase Shunt Active Filter Prototype with Different Switching Techniques. , 2007, , .		9
68	Smart Charging Management for Electric Vehicle Battery Chargers. , 2014, , .		9
69	Predictive control of a current-source inverter for solar photovoltaic grid interface. , 2015, , .		9
70	IoT system for anytime/anywhere monitoring and control of vehicles' parameters. , 2017, , .		9
71	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
72	An Off-Board Multi-Functional Electric Vehicle Charging Station for Smart Homes: Analysis and Experimental Validation. Energies, 2020, 13, 1864.	1.6	9

#	Article	IF	Citations
73	Development of an Electrical Power Quality Monitor based on a PC. , 2009, , .		8
74	Comparisons between synchronizing circuits to control algorithms for single-phase active converters. , 2009, , .		8
75	Development of a Proposed Single-Phase Series Active Power Filter without External Power Sources. , 2019, , .		8
76	New Multifunctional Isolated Microinverter with Integrated Energy Storage System for PV Applications. Energies, 2020, 13, 4016.	1.6	8
77	Electric vehicle assistant based on driver profile. International Journal of Electric and Hybrid Vehicles, 2014, 6, 335.	0.2	7
78	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
79	Dynamic inductive power transfer lane design for e-bikes. , 2016, , .		7
80	Development of an IoT System with Smart Charging Current Control for Electric Vehicles. , 2018, , .		7
81	Wireless Communication and Management System for E-Bike Dynamic Inductive Power Transfer Lanes. Electronics (Switzerland), 2020, 9, 1485.	1.8	7
82	Single phase shunt active filter with digital control. Renewable Energy and Power Quality Journal, 2007, 1, 619-624.	0.2	7
83	Three Phase Four Wire Shunt Active Power Filter from theory to industrial facility tests. , 2011, , .		6
84	Three-phase three-level current-source converter for EVs fast battery charging systems. , 2015, , .		6
85	Real-time simulation of renewable energy transactions in microgrid context using real hardware resources. , 2016, , .		6
86	Simplified rail power conditioner based on a half-bridge indirect AC/DC/AC Modular Multilevel Converter and a V/V power transformer. , 2017, , .		6
87	A Novel Multilevel Converter for On-Grid Interface of Renewable Energy Sources in Smart Grids. , 2019, , .		6
88	A Proposed Bidirectional Three-Level dc-dc Power Converter for Applications in Smart Grids: An Experimental Validation. , 2019, , .		6
89	A Three-Level dc-dc Converter for Bipolar dc Power Grids: Analysis and Experimental Validation. , 2020, , .		6
90	Parallel Association of Shunt Active Power Filters. , 2007, , .		5

#	Article	IF	Citations
91	A three-phase four-wire Unified Power Quality Conditioner without series transformers. , 2012, , .		5
92	Multilevel Inverter for Grid-Connected Photovoltaic Systems with Active Filtering Function. IFIP Advances in Information and Communication Technology, 2013, , 289-298.	0.5	5
93	Smart Platform towards Batteries Analysis Based on Internet-of-Things. Procedia Technology, 2014, 17, 520-527.	1.1	5
94	A novel concept of unidirectional bridgeless combined boost-buck converter for EV battery chargers. , 2015, , .		5
95	A Novel Multi-Objective Off-Board EV Charging Station for Smart Homes. , 2018, , .		5
96	Innovative Off-Board EV Home Charging Station as a Smart Home Enabler: Present and Proposed Perspectives. , 2018, , .		5
97	Comprehensive Analysis and Experimental Validation of Five-Level Converters for EV Battery Chargers Framed in Smart Grids. , 2019, , .		5
98	Vehicle Electrification: Technologies, Challenges, and a Global Perspective for Smart Grids. , 0, , .		5
99	Review of Five-Level Front-End Converters for Renewable-Energy Applications. Frontiers in Energy Research, 2020, 8, .	1.2	5
100	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
101	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
102	A personal computer based controller for an active power filter. , 0, , .		4
103	Single-Phase Series Active Conditioner for the compensation of Voltage Harmonics, Sags, Swell and Flicker. , 2011, , .		4
104	Mobi_System: A personal travel assistance for electrical vehicles in smart cities. , 2011, , .		4
105	Current-Source Shunt Active Power Filter with Periodic-Sampling Modulation Technique. , 2012, , .		4
106	Evaluation of a Shunt Active Power Filter with energy backup capability. , 2013, , .		4
107	Implementation and comparison of different switching techniques for shunt active power filters. , 2014, , .		4
108	Single phase NPC inverter controller with integrated MPPT for PV grid connection. , 2016, , .		4

#	Article	IF	Citations
109	A novel modular voltage balancing topology for active battery management system. , 2016, , .		4
110	Energy rating methodology for light-duty vehicles: geographical impact. Environment, Development and Sustainability, 2016, 18, 1501-1519.	2.7	4
111	RFID-triggered power activation for smart dynamic inductive wireless power transfer. , 2017, , .		4
112	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
113	A Novel Hardware Protection Scheme for a Modular Multilevel Converter Half-Bridge Submodule. , 2019, , .		4
114	Low-Cost Digital System for Power Quality Monitoring. Renewable Energy and Power Quality Journal, 2003, 1, 377-382.	0.2	4
115	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
116	A Review on Integrated Battery Chargers for Electric Vehicles. Energies, 2022, 15, 2756.	1.6	4
117	Simulation of Electrical Distributed Energy Resources for Electrical Vehicles Charging Process Strategy. , 2010, , .		3
118	Real time digital control system for a single-phase shunt active power filter. , 2012, , .		3
119	Field oriented control of an axial flux permanent magnet synchronous motor for traction solutions. , 2014, , .		3
120	A single chip FPGA-based cross-coupling multi-motor drive system. IEICE Electronics Express, 2015, 12, 20150383-20150383.	0.3	3
121	A novel architecture of a bidirectional bridgeless interleaved converter for EV battery chargers. , 2015, , .		3
122	OpenADRâ€"Intelligent Electrical Energy Consumption Towards Internet-of-Things. Lecture Notes in Electrical Engineering, 2017, , 725-736.	0.3	3
123	A Low-Cost ZigBee-Based Wireless Industrial Automation System. Lecture Notes in Electrical Engineering, 2017, , 739-749.	0.3	3
124	Single-phase shunt active power filter with UPS operation using a bidirectional Dc-Dc converter for energy storage interface. , 2017, , .		3
125	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
126	A Multilevel Bidirectional Four-Port DC-DC Converter to Create a DC-Grid in Solid-State Transformers with Hybrid AC/DC Grids. , 2021, , .		3

#	Article	IF	Citations
127	Tracking Users Mobility Patterns Towards CO2 Footprint. Advances in Intelligent Systems and Computing, 2016, , 87-96.	0.5	3
128	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
129	Evaluation of two fundamental Positive-Sequence Detectors for highly distorted and unbalanced systems. , 2011, , .		2
130	A simplified methodology for parameters measurement of an Axial Flux Permanent Magnet motor without neutral point. , 2012, , .		2
131	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
132	Modeling and Validation of the Dynamics and Energy Consumption for Train Simulation. , 2018, , .		2
133	Selective Harmonic Measurement and Compensation Using Smart Inverters in a Microgrid with Distributed Generation. , 2018, , .		2
134	Sliding Mode Control of an Innovative Single-Switch Three-Level Active Rectifier. , 2019, , .		2
135	Design of an Intrinsically Safe Series-Series Compensation WPT System for Automotive LiDAR. Electronics (Switzerland), 2020, 9, 86.	1.8	2
136	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
137	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
138	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
139	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
140	Driver Attitude and Its Influence on the Energy Waste of Electric Buses. Lecture Notes in Computer Science, 2014, , 99-108.	1.0	2
141	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
142	Comprehensive Analysis and Comparison of Digital Current Control Techniques for Active Rectifiers. Lecture Notes in Electrical Engineering, 2017, , 655-666.	0.3	2
143	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
144	Sistema Digital de Bajo Coste para la MonitorizaciÃ³n de la Calidad de EnergÃa ElÃ©ctrica. Informacion Tecnologica (discontinued), 2007, 18, .	0.1	1

#	Article	IF	Citations
145	On the validation of an electric bus simulation model through sensitivity analysis. , 2016, , .		1
146	Model Predictive Current Control of a Slow Battery Charger for Electric Mobility Applications. Lecture Notes in Electrical Engineering, 2017, , 643-653.	0.3	1
147	Mobile device sensing system for urban goods distribution logistics. , 2017, , .		1
148	New multifunctional push-pull converter operating with MPPT and integrated energy storage system for PV micro-inverter applications. , 2017, , .		1
149	Heuristic-based Speed Profile Generation for Multi-Train Simulator. , 2018, , .		1
150	A Novel Five-Level Semi-Bridgeless Power Factor Correction Topology. , 2018, , .		1
151	A Novel Control Strategy Based on Predictive Control for a Bidirectional Interleaved Three-Phase Converter. , 2018, , .		1
152	A Novel Single-Phase Bidirectional Nine-Level Converter Employing Four Quadrant Switches. , 2018, , .		1
153	A novel two-switch three-level active rectifier for grid-connected electrical appliances in smart grids. , 2018, , .		1
154	Parallel Association of Power Semiconductors: An Experimental Evaluation with IGBTs and MOSFETs. , 2019, , .		1
155	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
156	A Proposed Single-Phase Five-Level PFC Rectifier for Smart Grid Applications: An Experimental Evaluation. , 2019, , .		1
157	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
158	Model Predictive Control of a Single-Phase Five-Level VIENNA Rectifier. , 2021, , .		1
159	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
160	Mobile Sensing System for Cycling Power Output Control. Lecture Notes in Electrical Engineering, 2017, , 773-783.	0.3	1
161	Interfacing Power Electronics Systems for Smart Grids: Innovative Perspectives of Unified Systems and Operation Modes. , 2021, , .		1
162	A Novel Multilevel Interleaved-Based PFC Rectifier with Modular DC Interfaces. , 2021, , .		1

#	Article	IF	Citations
163	Simple camera calibration for light measurements. , 2008, , .		0
164	Electric power quality monitoring results in different facilities. , 2009, , .		0
165	Electric Vehicle Communities for Electric Market. World Electric Vehicle Journal, 2010, 4, 683-692.	1.6	0
166	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
167	Various strategies comparison of NPC inverter current control connected to the grid for photovoltaic system. , 2014, , .		0
168	Renewable energy system for an isolated micro grid. , 2014, , .		0
169	FPGA Field Oriented Control of an Axial Flux motor-in-wheel. , 2014, , .		0
170	Wireless Body Area Network for Cycling Posture Monitoring. , 2016, , 503-517.		0
171	Decision Process to Manage Renewable Energy Production in Smart Grid Environment. Communications in Computer and Information Science, 2017, , 299-306.	0.4	0
172	Renewable Energy System for an Isolated Sustainable Social Centre. Lecture Notes in Electrical Engineering, 2017, , 701-711.	0.3	0
173	Performance Evaluation of a Proportional-Integral with Proportional-Derivative Feedforward Voltage Control for UPSs. , 2018, , .		0
174	A Novel Fixed Switching Frequency Control Strategy Applied to an Improved Five-Level Active Rectifier. , 2018, , .		0
175	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
176	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
177	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
178	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
179	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
180	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

#	Article	IF	Citations
181	Continuous Control Set Model Predictive Control of a Bridgeless-Boost Three-Level Active Rectifier. , 2021, , .		0
182	Power Electronics Technologies and Applicationsfor EV Battery Charging Systems. Energies, 2022, 15, 1049.	1.6	0