

Haritza Camblong

List of Publications by Year in descending order

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73
papers

2,435
citations

304602
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all docs

73
docs citations

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times ranked

2503
citing authors

#	ARTICLE	IF	CITATIONS
1	A Nonlinear Autoregressive Exogenous (NARX) Neural Network Model for the Prediction of the Daily Direct Solar Radiation. <i>Energies</i> , 2018, 11, 620.	1.6	232
2	Survey on microgrids: Unplanned islanding and related inverter control techniques. <i>Renewable Energy</i> , 2011, 36, 2052-2061.	4.3	156
3	Connection requirements for wind farms: A survey on technical requirements and regulation. <i>Renewable and Sustainable Energy Reviews</i> , 2007, 11, 1858-1872.	8.2	152
4	Transient Operation of a Four-Leg Inverter for Autonomous Applications With Unbalanced Load. <i>IEEE Transactions on Power Electronics</i> , 2010, 25, 399-407.	5.4	149
5	Comparison of three topologies and controls of a hybrid energy storage system for microgrids. <i>Energy Conversion and Management</i> , 2012, 54, 113-121.	4.4	137
6	Adaptive energy management strategy and optimal sizing applied on a battery-supercapacitor based tramway. <i>Applied Energy</i> , 2016, 169, 831-845.	5.1	136
7	Sliding-Mode Control for DFIG Rotor- and Grid-Side Converters Under Unbalanced and Harmonically Distorted Grid Voltage. <i>IEEE Transactions on Energy Conversion</i> , 2012, 27, 328-339.	3.7	128
8	A critical review on self-adaptive Li-ion battery ageing models. <i>Journal of Power Sources</i> , 2018, 401, 85-101.	4.0	115
9	Experimental evaluation of wind turbines maximum power point tracking controllers. <i>Energy Conversion and Management</i> , 2006, 47, 2846-2858.	4.4	113
10	Hybrid Energy Storage Systems for renewable Energy Sources Integration in microgrids: A review. , 2010, , .		97
11	Micro-grids project, Part 1: Analysis of rural electrification with high content of renewable energy sources in Senegal. <i>Renewable Energy</i> , 2009, 34, 2141-2150.	4.3	77
12	Microgrids project, Part 2: Design of an electrification kit with high content of renewable energy sources in Senegal. <i>Renewable Energy</i> , 2009, 34, 2151-2159.	4.3	72
13	Control of four leg inverter for hybrid power system applications with unbalanced load. <i>Energy Conversion and Management</i> , 2007, 48, 2119-2128.	4.4	57
14	Digital robust control of a variable speed pitch regulated wind turbine for above rated wind speeds. <i>Control Engineering Practice</i> , 2008, 16, 946-958.	3.2	56
15	DFIG Power Generation Capability and Feasibility Regions Under Unbalanced Grid Voltage Conditions. <i>IEEE Transactions on Energy Conversion</i> , 2011, 26, 1051-1062.	3.7	56
16	Comparison of Sliding Mode and PI Control of a Hybrid Energy Storage System in a Microgrid Application. <i>Energy Procedia</i> , 2011, 12, 966-974.	1.8	52
17	Battery aging conscious intelligent energy management strategy and sensitivity analysis of the critical factors for plug-in hybrid electric buses. <i>ETransportation</i> , 2020, 5, 100061.	6.8	39
18	Data-driven nonparametric Li-ion battery ageing model aiming at learning from real operation data - Part B: Cycling operation. <i>Journal of Energy Storage</i> , 2020, 30, 101410.	3.9	29

#	ARTICLE	IF	CITATIONS
19	Design of a SOFC/GT/SCs hybrid power system to supply a rural isolated microgrid. Energy Conversion and Management, 2016, 117, 12-20.	4.4	26
20	Design and Characterization of a Meander-Type Dynamic Inductively Coupled Power Transfer Coil. IEEE Transactions on Industry Applications, 2017, 53, 3950-3959.	3.3	26
21	Control of wind turbines for fatigue loads reduction and contribution to the grid primary frequency regulation. Energy, 2012, 48, 284-291.	4.5	25
22	Control of power converters for microgrids. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, 30, 300-309.	0.5	24
23	Data-driven nonparametric Li-ion battery ageing model aiming at learning from real operation data "Part A: Storage operation. Journal of Energy Storage, 2020, 30, 101409.	3.9	24
24	Principles of a Simulation Model for a Variable-Speed Pitch-Regulated Wind Turbine. Wind Engineering, 2004, 28, 157-175.	1.1	22
25	Comparison of an island wind turbine collective and individual pitch LQG controllers designed to alleviate fatigue loads. IET Renewable Power Generation, 2012, 6, 267.	1.7	21
26	Comparison of wind turbine LQG controllers using Individual Pitch Control to alleviate fatigue loads. , 2010, , .		20
27	Wind turbine mechanical stresses reduction and contribution to frequency regulation. Control Engineering Practice, 2014, 30, 140-149.	3.2	20
28	Sizing and control of a Solid Oxide Fuel Cell/Gas microTurbine hybrid power system using a unique inverter for rural microgrid integration. Applied Energy, 2016, 176, 272-281.	5.1	20
29	Digital control of a three-phase four-leg inverter under unbalanced voltage conditions. , 2007, , .		19
30	Design and Experimental Comparison of Energy Management Strategies for Hybrid Electric Buses Based on Test-Bench Simulation. IEEE Transactions on Industry Applications, 2019, 55, 3066-3075.	3.3	19
31	Plug-in hybrid electric buses total cost of ownership optimization at fleet level based on battery aging. Applied Energy, 2020, 280, 115887.	5.1	19
32	LPV Control of Wind Turbines for Fatigue Loads Reduction using Intelligent Micro Sensors. Proceedings of the American Control Conference, 2007, , .	0.0	18
33	Diagnosis and fault signature analysis of a wind turbine at a variable speed. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2009, 223, 41-50.	0.6	17
34	Diagnosis of the Doubly-Fed Induction Generator of a Wind Turbine. Wind Engineering, 2005, 29, 431-447.	1.1	16
35	Adaptive and Non-Adaptive Strategies for Optimal Energy Management and Sizing of a Dual Storage System in a Hybrid Electric Bus. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3435-3447.	4.7	16
36	Optimal energy management of a hybrid electric bus with a battery-supercapacitor storage system using genetic algorithm. , 2015, , .		15

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37	Robust digital control of a wind turbine for rated-speed and variable-power operation regime. IET Control Theory and Applications, 2006, 153, 81-91.	1.7	14
38	Multi-agent systems for the dependability and safety of microgrids. International Journal on Interactive Design and Manufacturing, 2016, 10, 1-13.	1.3	14
39	Bifurcation Limits and Non-Idealities Effects in a Three-Phase Dynamic IPT System. IEEE Transactions on Power Electronics, 2020, 35, 208-219.	5.4	13
40	Data reconciliation and gross error detection applied to wind power. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2007, 221, 497-506.	0.7	11
41	Control of a hybrid Energy Storage System using a three level neutral point clamped converter. , 2012, , .		11
42	Control of a Vanadium Redox Battery and supercapacitor using a Three-Level Neutral Point Clamped converter. Journal of Power Sources, 2014, 248, 1170-1176.	4.0	11
43	Multi-Objective Optimization of Energy Management and Sizing for a Hybrid Bus with Dual Energy Storage System. , 2016, , .		11
44	Three-level Neutral Point Clamped Inverter Interface for flow battery/supercapacitor Energy Storage System used for microgrids. , 2011, , .		10
45	Comparison of wind turbine LQG controllers designed to alleviate fatigue loads. , 2010, , .		9
46	Operational limits of a three level neutral point clamped converter used for controlling a hybrid energy storage system. Energy Conversion and Management, 2014, 79, 97-103.	4.4	9
47	Energy Management Improvement Based on Fleet Digitalization Data Exploitation for Hybrid Electric Buses. Springer Optimization and Its Applications, 2019, , 321-355.	0.6	9
48	Alleviation of Wind Turbines Loads with a LQG Controller associated to Intelligent Micro Sensors. , 2006, , .		7
49	Analysis and validation of a biogas hybrid SOFC/GT emulator. , 2014, , .		7
50	Control of a microgrid-connected hybrid energy storage system. , 2014, , .		7
51	Gain Scheduling Control of an Islanded Microgrid Voltage. Energies, 2014, 7, 4498-4518.	1.6	7
52	Experimental comparison of energy management strategies for a hybrid electric bus in a test-bench. , 2018, , .		7
53	Comparison of wind turbines technical regulations. , 2006, , .		6
54	Energy Management Improvement Based on Fleet Learning for Hybrid Electric Buses. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
55	A Generic Ontology-Based Information Model for Better Management of Microgrids. IFIP Advances in Information and Communication Technology, 2015, , 451-466.	0.5	5
56	Modelling and control of four-wire voltage source inverter under unbalanced voltage condition for hybrid power system applications. , 2005, , .		4
57	Analysis, design & simulation of an electromechanical energy harvesting system using a linear movement. , 2014, , .		4
58	Wind turbine controller comparison on an island grid in terms of frequency control and mechanical stress. Renewable Energy, 2014, 63, 37-45.	4.3	4
59	Data-Driven Nonparametric Li-Ion Battery Ageing Model Aiming At Learning From Real Operation Data: Holistic Validation With Ev Driving Profiles. , 2020, , .		4
60	Modelling and control of single VSI leading experimental hybrid power system integrating a wind turbine simulator. , 2005, , .		3
61	An Innovative VSI Controller for the Generation of Balanced Voltage in Spite of the Presence of Unbalanced Loads. Proceedings of the American Control Conference, 2007, , .	0.0	3
62	Hybrid energy storage system with unique power electronic interface for microgrids. , 2013, , .		3
63	Experimental Validation of an Optimal Energy Management Strategy for a Hybrid Bus with Dual Storage System. , 2017, , .		3
64	Battery Aging Conscious Intelligent Energy Management Strategy for Hybrid Electric Buses. , 2019, , .		3
65	Small-scale test bench of a hybrid power system. , 2005, , .		2
66	Control of a Solid Oxide Fuel Cell/Gas MicroTurbine hybrid system using a multilevel convertor. , 2015, , .		2
67	Design and characterization of a meander type dynamic inductively coupled power transfer coil. , 2016, , .		2
68	Prediction of the Daily Direct Solar Radiation Using Nonlinear Autoregressive Exogenous (Narx) Network Model. , 0, , .		2
69	Gross Error Detection Applied to a Wind Turbine. , 2006, , .		1
70	Comparison of Three Wind Turbine Controller Synthesis Methodologies. , 2006, , .		1
71	A PLD-Microcontroller based DC-link voltage controller for Hybrid Power System applications. , 2009, , .		1
72	CONTROL DE TENSIÓN DE UN INVERSOR AISLADO QUE ALIMENTA UNA CARGA VARIABLE. Dyna Energia Y Sostenibilidad, 2015, 4, [16 p.]-[16 p.].	0.1	0

#	ARTICLE	IF	CITATIONS
73	Hardware-in-the-Loop Experimental Validation of a Learning based Neuro-Fuzzy Energy Management Strategy for Plug-in Hybrid Electric Buses. , 2020, , .		0