

# Haritza Camblong

## List of Publications by Year in descending order

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73  
papers

2,435  
citations

304602

22  
h-index

254106

43  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2503  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Data-Driven Nonparametric Li-Ion Battery Ageing Model Aiming At Learning From Real Operation Data: Holistic Validation With Ev Driving Profiles. , 2020, , .		4
4	Data-driven nonparametric Li-ion battery ageing model aiming at learning from real operation data - Part B: Cycling operation. Journal of Energy Storage, 2020, 30, 101410.	3.9	29
5	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
6	Battery aging conscious intelligent energy management strategy and sensitivity analysis of the critical factors for plug-in hybrid electric buses. ETransportation, 2020, 5, 100061.	6.8	39
7	Hardware-in-the-Loop Experimental Validation of a Learning based Neuro-Fuzzy Energy Management Strategy for Plug-in Hybrid Electric Buses. , 2020, , .		0
8	Battery Aging Conscious Intelligent Energy Management Strategy for Hybrid Electric Buses. , 2019, , .		3
9	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
10	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
11	Energy Management Improvement Based on Fleet Digitalization Data Exploitation for Hybrid Electric Buses. Springer Optimization and Its Applications, 2019, , 321-355.	0.6	9
12	Energy Management Improvement Based on Fleet Learning for Hybrid Electric Buses. , 2018, , .		5
13	A critical review on self-adaptive Li-ion battery ageing models. Journal of Power Sources, 2018, 401, 85-101.	4.0	115
14	Experimental comparison of energy management strategies for a hybrid electric bus in a test-bench. , 2018, , .		7
15	A Nonlinear Autoregressive Exogenous (NARX) Neural Network Model for the Prediction of the Daily Direct Solar Radiation. Energies, 2018, 11, 620.	1.6	232
16	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
17	Experimental Validation of an Optimal Energy Management Strategy for a Hybrid Bus with Dual Storage System. , 2017, , .		3
18	Design and characterization of a meander type dynamic inductively coupled power transfer coil. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Multi-Objective Optimization of Energy Management and Sizing for a Hybrid Bus with Dual Energy Storage System. , 2016, , .		11
20	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
21	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
22	Multi-agent systems for the dependability and safety of microgrids. International Journal on Interactive Design and Manufacturing, 2016, 10, 1-13.	1.3	14
23	Adaptive energy management strategy and optimal sizing applied on a battery-supercapacitor based tramway. Applied Energy, 2016, 169, 831-845.	5.1	136
24	Optimal energy management of a hybrid electric bus with a battery-supercapacitor storage system using genetic algorithm. , 2015, , .		15
25	Control of a Solid Oxide Fuel Cell/Gas MicroTurbine hybrid system using a multilevel convertor. , 2015, , .		2
26	A Generic Ontology-Based Information Model for Better Management of Microgrids. IFIP Advances in Information and Communication Technology, 2015, , 451-466.	0.5	5
27	CONTROL DE TENSIÃO DE UN INVERSOR AISLADO QUE ALIMENTA UNA CARGA VARIABLE. Dyna Energia Y Sostenibilidad, 2015, 4, [16 p.]-[16 p.].	0.1	0
28	Analysis and validation of a biogas hybrid SOFC/GT emulator. , 2014, , .		7
29	Control of a microgrid-connected hybrid energy storage system. , 2014, , .		7
30	Gain Scheduling Control of an Islanded Microgrid Voltage. Energies, 2014, 7, 4498-4518.	1.6	7
31	Wind turbine mechanical stresses reduction and contribution to frequency regulation. Control Engineering Practice, 2014, 30, 140-149.	3.2	20
32	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
33	Analysis, design & simulation of an electromechanical energy harvesting system using a linear movement. , 2014, , .		4
34	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
35	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
36	Hybrid energy storage system with unique power electronic interface for microgrids. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
37	Control of a hybrid Energy Storage System using a three level neutral point clamped converter. , 2012, , .		11
38	Sliding-Mode Control for DFIG Rotor- and Grid-Side Converters Under Unbalanced and Harmonically Distorted Grid Voltage. IEEE Transactions on Energy Conversion, 2012, 27, 328-339.	3.7	128
39	Control of wind turbines for fatigue loads reduction and contribution to the grid primary frequency regulation. Energy, 2012, 48, 284-291.	4.5	25
40	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
41	Comparison of three topologies and controls of a hybrid energy storage system for microgrids. Energy Conversion and Management, 2012, 54, 113-121.	4.4	137
42	Three-level Neutral Point Clamped Inverter Interface for flow battery/supercapacitor Energy Storage System used for microgrids. , 2011, , .		10
43	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
44	Comparison of Sliding Mode and PI Control of a Hybrid Energy Storage System in a Microgrid Application. Energy Procedia, 2011, 12, 966-974.	1.8	52
45	DFIG Power Generation Capability and Feasibility Regions Under Unbalanced Grid Voltage Conditions. IEEE Transactions on Energy Conversion, 2011, 26, 1051-1062.	3.7	56
46	Survey on microgrids: Unplanned islanding and related inverter control techniques. Renewable Energy, 2011, 36, 2052-2061.	4.3	156
47	Comparison of wind turbine LQG controllers using Individual Pitch Control to alleviate fatigue loads. , 2010, , .		20
48	Transient Operation of a Four-Leg Inverter for Autonomous Applications With Unbalanced Load. IEEE Transactions on Power Electronics, 2010, 25, 399-407.	5.4	149
49	Hybrid Energy Storage Systems for renewable Energy Sources Integration in microgrids: A review. , 2010, , .		97
50	Comparison of wind turbine LQG controllers designed to alleviate fatigue loads. , 2010, , .		9
51	A PLD-Microcontroller based DC-link voltage controller for Hybrid Power System applications. , 2009, , .		1
52	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
53	Microgrids project, Part 2: Design of an electrification kit with high content of renewable energy sources in Senegal. Renewable Energy, 2009, 34, 2151-2159.	4.3	72
54	Micro-grids project, Part 1: Analysis of rural electrification with high content of renewable energy sources in Senegal. Renewable Energy, 2009, 34, 2141-2150.	4.3	77

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55	Digital robust control of a variable speed pitch regulated wind turbine for above rated wind speeds. Control Engineering Practice, 2008, 16, 946-958.	3.2	56
56	LPV Control of Wind Turbines for Fatigue Loads Reduction using Intelligent Micro Sensors. Proceedings of the American Control Conference, 2007, , .	0.0	18
57	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
58	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
59	Digital control of a three-phase four-leg inverter under unbalanced voltage conditions. , 2007, , .		19
60	Connection requirements for wind farms: A survey on technical requirements and regulation. Renewable and Sustainable Energy Reviews, 2007, 11, 1858-1872.	8.2	152
61	Control of four leg inverter for hybrid power system applications with unbalanced load. Energy Conversion and Management, 2007, 48, 2119-2128.	4.4	57
62	Gross Error Detection Applied to a Wind Turbine. , 2006, , .		1
63	Experimental evaluation of wind turbines maximum power point tracking controllers. Energy Conversion and Management, 2006, 47, 2846-2858.	4.4	113
64	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
65	Alleviation of Wind Turbines Loads with a LQG Controller associated to Intelligent Micro Sensors. , 2006, , .		7
66	Comparison of wind turbines technical regulations. , 2006, , .		6
67	Comparison of Three Wind Turbine Controller Synthesis Methodologies. , 2006, , .		1
68	Diagnosis of the Doubly-Fed Induction Generator of a Wind Turbine. Wind Engineering, 2005, 29, 431-447.	1.1	16
69	Small-scale test bench of a hybrid power system. , 2005, , .		2
70	Modelling and control of four-wire voltage source inverter under unbalanced voltage condition for hybrid power system applications. , 2005, , .		4
71	Modelling and control of single VSI leading experimental hybrid power system integrating a wind turbine simulator. , 2005, , .		3
72	Principles of a Simulation Model for a Variable-Speed Pitch-Regulated Wind Turbine. Wind Engineering, 2004, 28, 157-175.	1.1	22

#	ARTICLE	IF	CITATIONS
73	Prediction of the Daily Direct Solar Radiation Using Nonlinear Autoregressive Exogenous (Narx) Network Model. , O, , .		2