

Samuel Galceran-Arellano

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

506
citations

933264

10
h-index

839398

18
g-index

25
all docs

25
docs citations

25
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	Composed Index for the Evaluation of Energy Security in Power Systems within the Frame of Energy Transitionsâ€”The Case of Latin America and the Caribbean. <i>Energies</i> , 2021, 14, 2467.	1.6	8
2	Thermal Modeling of Large Electrolytic Capacitors Using FEM and Considering the Internal Geometry. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 6315-6328.	3.7	9
3	Transition to a greener Power Sector: Four different scopes on energy security. <i>Renewable Energy Focus</i> , 2020, 33, 23-36.	2.2	14
4	Optimal Operation of Isolated Microgrids Considering Frequency Constraints. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 223.	1.3	4
5	Integral approach to energy planning and electric grid assessment in a renewable energy technology integration for a 50/50 target applied to a small island. <i>Applied Energy</i> , 2019, 233-234, 524-543.	5.1	21
6	Optimal operation of hybrid high voltage direct current and alternating current networks based on OPF combined with droop voltage control. <i>International Journal of Electrical Power and Energy Systems</i> , 2018, 101, 176-188.	3.3	5
7	Design methodology for a dcâ€”dc power conversion system with EIS capability for battery packs. <i>Simulation Modelling Practice and Theory</i> , 2018, 87, 15-34.	2.2	8
8	PV, Wind and Storage Integration on Small Islands for the Fulfilment of the 50-50 Renewable Electricity Generation Target. <i>Sustainability</i> , 2017, 9, 905.	1.6	14
9	Operation and control of a Current Source Converter series tapping of an LCC-HVDC link for integration of Offshore Wind Power Plants. <i>Electric Power Systems Research</i> , 2016, 141, 510-521.	2.1	5
10	Flicker mitigation by reactive power control in wind farm with doubly fed induction generators. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 55, 285-296.	3.3	25
11	Design and Control of a Modular Multilevel DC/DC Converter for Regenerative Applications. <i>IEEE Transactions on Power Electronics</i> , 2013, 28, 3970-3979.	5.4	121
12	Multiterminal-HVDC scaled platform for offshore wind transmission systems emulation. , 2013, , .		4
13	A sensorless stable V/f control method for a five-phase PMSM. , 2013, , .		8
14	High-Accuracy All-Digital Resolver-to-Digital Conversion. <i>IEEE Transactions on Industrial Electronics</i> , 2012, 59, 326-333.	5.2	85
15	General asset management model in the context of an electric utility: Application to power transformers. <i>Electric Power Systems Research</i> , 2011, 81, 2015-2037.	2.1	52
16	Maximum generation power evaluation of variable frequency offshore wind farms when connected to a single power converter. <i>Applied Energy</i> , 2010, 87, 3103-3109.	5.1	47
17	A New Low-Cost DSP Educational Tool for a Laboratory for Motor Control. <i>International Journal of Electrical Engineering and Education</i> , 2009, 46, 183-197.	0.4	5
18	Full substation monitoring. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
19	Hydraulic actuator modeling for optimization of mechatronic and adaptronic systems. Mechatronics, 2008, 18, 634-640.	2.0	10
20	A buck-boost bidirectional converter to drive piezoelectric actuators. , 2007, , .		4
21	A new low-cost motion control educational equipment. , 2007, , .		4
22	IEC 61850 as a flexible tool for electrical systems monitoring. , 2007, , .		11
23	Linear electromagnetic actuator modeling for optimization of mechatronic and adaptronic systems. Mechatronics, 2007, 17, 153-163.	2.0	33
24	Sliding mode control based buck-boost bidirectional converter to drive piezoelectric loads. Electrical Engineering, 2007, 90, 115-125.	1.2	7
25	Monitoring Power Quality. , 0, , 445-462.		0