

Daniel Gonzalez Montoya

List of Publications by Year in descending order

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45
docs citations

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times ranked

622
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of the parameters of the mathematical model of an equivalent diode of a photovoltaic panel using a continuous genetic algorithm. IEEE Latin America Transactions, 2022, 20, 616-623.	1.2	12
2	PV Array Reconfiguration Based on Genetic Algorithm for Maximum Power Extraction and Energy Impact Analysis. Sustainability, 2022, 14, 3764.	1.6	7
3	Diseño y control digital de un convertidor elevador entrelazado para sistemas de carga/descarga de baterías. Tecno Lógicas, 2021, 24, e1556.	0.1	1
4	Systematic analysis of control techniques for the dual active bridge converter in photovoltaic applications. International Journal of Circuit Theory and Applications, 2021, 49, 3031-3052.	1.3	14
5	Sliding-mode controller for a photovoltaic system based on a Cuk converter. International Journal of Electrical and Computer Engineering, 2021, 11, 2027.	0.5	1
6	Control-Oriented Model of Photovoltaic Systems Based on a Dual Active Bridge Converter. Sustainability, 2021, 13, 7689.	1.6	5
7	Charger/discharger DC/DC converter with interleaved configuration for DC-bus regulation and battery protection. Energy Science and Engineering, 2020, 8, 530-543.	1.9	10
8	Sliding-mode control of a CuK converter for voltage regulation of a dc-bus. Sustainable Energy Technologies and Assessments, 2020, 42, 100807.	1.7	6
9	Charging/discharging system based on zeta/sepic converter and a sliding mode controller for dc bus voltage regulation. IET Power Electronics, 2020, 13, 1514-1527.	1.5	16
10	A Solution of Implicit Model of Series-Parallel Photovoltaic Arrays by Using Deterministic and Metaheuristic Global Optimization Algorithms. Energies, 2020, 13, 801.	1.6	3
11	Energy Management in PV Based Microgrids Designed for the Universidad Nacional de Colombia. Sustainability, 2020, 12, 1219.	1.6	18
12	Design Method of Dual Active Bridge Converters for Photovoltaic Systems with High Voltage Gain. Energies, 2020, 13, 1711.	1.6	15
13	Matlab/Simulink Interface Design and Implementation for PV Arrays Reconfiguration. Lecture Notes in Electrical Engineering, 2020, , 473-486.	0.3	0
14	Fixed-frequency implementation of sliding-mode controllers for photovoltaic systems. International Journal of Energy and Environmental Engineering, 2019, 10, 287-305.	1.3	6
15	A Non-Invasive Procedure for Estimating the Exponential Model Parameters of Bypass Diodes in Photovoltaic Modules. Energies, 2019, 12, 303.	1.6	7
16	Emulación de una turbina de viento con MPPT en tiempo real. Revista Ingenierías Universidad De Medellín, 2019, 18, 163-183.	0.1	0
17	General modeling procedure for photovoltaic arrays. Electric Power Systems Research, 2018, 155, 67-79.	2.1	27
18	Current equalization of mismatched PV panels based on a capacitor energy storage. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Sliding-Mode Control of Distributed Maximum Power Point Tracking Converters Featuring Overvoltage Protection. <i>Energies</i> , 2018, 11, 2220.	1.6	8
20	Linear power flow formulation for low-voltage DC power grids. <i>Electric Power Systems Research</i> , 2018, 163, 375-381.	2.1	80
21	Control of a Charger/Discharger DC/DC Converter with Improved Disturbance Rejection for Bus Regulation. <i>Energies</i> , 2018, 11, 594.	1.6	24
22	A Procedure for Modeling Photovoltaic Arrays under Any Configuration and Shading Conditions. <i>Energies</i> , 2018, 11, 767.	1.6	12
23	Optimal Sizing and Location of Distributed Generators Based on PBIL and PSO Techniques. <i>Energies</i> , 2018, 11, 1018.	1.6	85
24	Advances in Power and Energy Systems. <i>Tecnol3gicas</i> , 2018, 21, 9-11.	0.1	0
25	An3lisis de factibilidad t3cnico-econ3mico de microrredes que integran celdas de combustible en zonas no interconectadas de Colombia. <i>Tecnol3gicas</i> , 2018, 21, 71-89.	0.1	2
26	Model of series-parallel photovoltaic arrays designed for parallel computing. , 2017, , .		3
27	Design and Control of a Buck-Boost Charger-Discharger for DC-Bus Regulation in Microgrids. <i>Energies</i> , 2017, 10, 1847.	1.6	13
28	An3lisis de la estabilidad de alto orden de un convertidor buck entrelazado basado en el m3todo de Filippov. <i>Tecnol3gicas</i> , 2017, 20, 55.	0.1	1
29	Reconfiguraci3n de paneles fotovoltaicos para reducci3n del consumo de hidr3geno en las celdas de combustible de sistemas h3bridos. <i>Tecnol3gicas</i> , 2017, 20, 83-97.	0.1	1
30	Sliding-Mode Control of a Charger/Discharger DC/DC Converter for DC-Bus Regulation in Renewable Power Systems. <i>Energies</i> , 2016, 9, 245.	1.6	38
31	Improved Design of Sliding-Mode Controllers Based on the Requirements of MPPT Techniques. <i>IEEE Transactions on Power Electronics</i> , 2016, 31, 235-247.	5.4	120
32	Maximum power point tracking of photovoltaic systems based on the sliding mode control of the module admittance. <i>Electric Power Systems Research</i> , 2016, 136, 125-134.	2.1	58
33	Modelo matem3tico de sistemas fotovoltaicos para b3squeda distribuida del punto de m3xima potencia. <i>Tecnol3gicas</i> , 2016, 19, 107.	0.1	2
34	Reconfiguration of photovoltaic arrays based on genetic algorithm. <i>Revista Facultad De Ingenier3a</i> , 2015, , .	0.5	7
35	Reducing the Fuel Consumption of Hybrid Fuel Cell/Photovoltaic Power Systems Using PBIL-Based Reconfiguration. , 2015, , .		0
36	Reconfiguration of Photovoltaic Arrays Based on a GPU-Accelerated Exhaustive Search Algorithm. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Maximum power point tracking based on the sliding mode control of the average PV admittance. , 2014, , .		0
38	A new solution of maximum power point tracking based on sliding mode control. , 2013, , .		3
39	Modeling of Step-up Grid-Connected Photovoltaic Systems for Control Purposes. Energies, 2012, 5, 1900-1926.	1.6	41
40	Design method of the perturb and observe controller parameters for photovoltaic applications. , 2012, , .		4
41	Predictive control of a photovoltaic DC/DC converter. , 2012, , .		1
42	Automatic Parameters Calculation of Controllers for Photovoltaic dc/dc Converters. Lecture Notes in Electrical Engineering, 2011, , 431-440.	0.3	0
43	Modeling and control of grid-connected photovoltaic systems for 100 Hz oscillations mitigation. , 2011, , .		3
44	Minimizing the effects of shadowing in a PV module by means of active voltage sharing. , 2010, , .		42
45	Modeling of full Photovoltaic Systems Applied to Advanced Control Strategies. Renewable Energy and Power Quality Journal, 2010, 1, 1530-1435.	0.2	7