

Jorge Aurelio Herrera-Cuartas

List of Publications by Year in descending order

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31
papers

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1039880

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18
g-index

31
all docs

31
docs citations

31
times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	Colombian Caribbean Bathymetry for an OTEC System Location. Journal of Marine Science and Engineering, 2022, 10, 519.	1.2	2
2	Economic Viability Analysis for an OTEC Power Plant at San Andrés Island. Journal of Marine Science and Engineering, 2022, 10, 713.	1.2	3
3	Ocean Thermal Energy Conversion and Other Uses of Deep Sea Water: A Review. Journal of Marine Science and Engineering, 2021, 9, 356.	1.2	27
4	Estimación de los parámetros del modelo de un solo diodo del módulo fotovoltaico aplicando el método de optimización basado en búsqueda de patrones mejorado. Revista Ingenierías Universidad De Medellín, 2021, 20, 13-32.	0.1	1
5	Optimization Based on Pattern Search Algorithm Applied to pH Non-Linear Control: Application to Alkalinization Process of Sugar Juice. Processes, 2021, 9, 2283.	1.3	6
6	Non-Linear Sliding Mode Controller for Photovoltaic Panels with Maximum Power Point Tracking. Processes, 2020, 8, 108.	1.3	27
7	MPPT of a Photovoltaic Panels Array with Partial Shading Using the IPSM with Implementation Both in Simulation as in Hardware. Energies, 2020, 13, 815.	1.6	8
8	A new methodology to model and simulate microgrids operating in low latitude countries. Energy Procedia, 2019, 157, 825-836.	1.8	9
9	Robust Control of Grid-Tied Parallel Inverters Using Nonlinear Backstepping Approach. IEEE Access, 2019, 7, 111982-111992.	2.6	23
10	Control deslizante fraccionario de la trayectoria y orientación de un quadrotor con cargas suspendidas desconocidas. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 321.	0.6	5
11	Emulación de una turbina de viento con MPPT en tiempo real. Revista Ingenierías Universidad De Medellín, 2019, 18, 163-183.	0.1	0
12	Quantized Adaptive Decentralized Control for a Class of Interconnected Nonlinear Systems With Hysteretic Actuators Faults. IEEE Access, 2018, 6, 6572-6584.	2.6	9
13	Improving the Hardware Complexity by Exploiting the Reduced Dynamics-Based Fractional Order Systems. IEEE Access, 2017, 5, 7714-7723.	2.6	16
14	Adaptive Fractional Order Terminal Sliding Mode Control of a Doubly Fed Induction Generator-Based Wind Energy System. IEEE Access, 2017, 5, 21368-21381.	2.6	60
15	Maximum Power Point Tracking of Photovoltaic Panels by Using Improved Pattern Search Methods. Energies, 2017, 10, 1316.	1.6	38
16	Discrete-time observer-based state feedback control of heart rate during treadmill exercise. , 2016, , .		9
17	Solution to the multiple products transportation problem: linear programming optimization with Excel Solver. IEEE Latin America Transactions, 2016, 14, 1018-1023.	1.2	7
18	On fixed points and convergence results of sequences generated by uniformly convergent and point-wisely convergent sequences of operators in Menger probabilistic metric spaces. SpringerPlus, 2016, 5, 557.	1.2	0

#	ARTICLE	IF	CITATIONS
19	Fractional PID Controller with LQR Proportional Action Applied to Fractional Model of Cement Rotary Kiln. IEEE Latin America Transactions, 2015, 13, 37-42.	1.2	7
20	Generalized Pattern Search Methods for control of stable, unstable and integrating systems with unknown delay under step input. Mathematics and Computers in Simulation, 2015, 115, 37-48.	2.4	4
21	Cement rotary kiln model using fractional identification. IEEE Latin America Transactions, 2014, 12, 87-92.	1.2	9
22	Análisis de la estabilidad de un convertidor buck multicelular de dos celdas. Mutis, 2014, 4, 26-34.	0.1	0
23	Identification and control of integrative MIMO systems using pattern search algorithms: An application to irrigation channels. Engineering Applications of Artificial Intelligence, 2013, 26, 334-346.	4.3	15
24	Identification and control of delayed SISO systems through pattern search methods. Journal of the Franklin Institute, 2013, 350, 3128-3148.	1.9	9
25	Identification and control of delayed unstable and integrative LTI MIMO systems using pattern search methods. Advances in Difference Equations, 2013, 2013, .	3.5	3
26	Centralized inventory control approach for supply chain systems. , 2012, , .		0
27	Lead-time identification for inventory control of the supply chain. , 2012, , .		2
28	Delay identification and control of irrigation channels using Pattern Search algorithms. , 2012, , .		0
29	On-line delay estimation for stable, unstable and integrating systems under step response. ISA Transactions, 2012, 51, 351-361.	3.1	15
30	Inventory control for the supply chain: An adaptive control approach based on the identification of the lead-time. Omega, 2012, 40, 314-327.	3.6	44
31	Static Var Compensator with Fractional Order Dynamics for Enhanced Stability and Control. , 0, , .		0