

Jorge Aurelio Herrera-Cuartas

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

358
citations

1039880

9
h-index

839398

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g-index

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31
docs citations

31
times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Fractional Order Terminal Sliding Mode Control of a Doubly Fed Induction Generator-Based Wind Energy System. <i>IEEE Access</i> , 2017, 5, 21368-21381.	2.6	60
2	Inventory control for the supply chain: An adaptive control approach based on the identification of the lead-time. <i>Omega</i> , 2012, 40, 314-327.	3.6	44
3	Maximum Power Point Tracking of Photovoltaic Panels by Using Improved Pattern Search Methods. <i>Energies</i> , 2017, 10, 1316.	1.6	38
4	Non-Linear Sliding Mode Controller for Photovoltaic Panels with Maximum Power Point Tracking. <i>Processes</i> , 2020, 8, 108.	1.3	27
5	Ocean Thermal Energy Conversion and Other Uses of Deep Sea Water: A Review. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 356.	1.2	27
6	Robust Control of Grid-Tied Parallel Inverters Using Nonlinear Backstepping Approach. <i>IEEE Access</i> , 2019, 7, 111982-111992.	2.6	23
7	Improving the Hardware Complexity by Exploiting the Reduced Dynamics-Based Fractional Order Systems. <i>IEEE Access</i> , 2017, 5, 7714-7723.	2.6	16
8	On-line delay estimation for stable, unstable and integrating systems under step response. <i>ISA Transactions</i> , 2012, 51, 351-361.	3.1	15
9	Identification and control of integrative MIMO systems using pattern search algorithms: An application to irrigation channels. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 334-346.	4.3	15
10	Identification and control of delayed SISO systems through pattern search methods. <i>Journal of the Franklin Institute</i> , 2013, 350, 3128-3148.	1.9	9
11	Cement rotary kiln model using fractional identification. <i>IEEE Latin America Transactions</i> , 2014, 12, 87-92.	1.2	9
12	Discrete-time observer-based state feedback control of heart rate during treadmill exercise. , 2016, , .		9
13	Quantized Adaptive Decentralized Control for a Class of Interconnected Nonlinear Systems With Hysteretic Actuators Faults. <i>IEEE Access</i> , 2018, 6, 6572-6584.	2.6	9
14	A new methodology to model and simulate microgrids operating in low latitude countries. <i>Energy Procedia</i> , 2019, 157, 825-836.	1.8	9
15	MPPT of a Photovoltaic Panels Array with Partial Shading Using the IPSM with Implementation Both in Simulation as in Hardware. <i>Energies</i> , 2020, 13, 815.	1.6	8
16	Fractional PID Controller with LQR Proportional Action Applied to Fractional Model of Cement Rotary Kiln. <i>IEEE Latin America Transactions</i> , 2015, 13, 37-42.	1.2	7
17	Solution to the multiple products transportation problem: linear programming optimization with Excel Solver. <i>IEEE Latin America Transactions</i> , 2016, 14, 1018-1023.	1.2	7
18	Optimization Based on Pattern Search Algorithm Applied to pH Non-Linear Control: Application to Alkalinization Process of Sugar Juice. <i>Processes</i> , 2021, 9, 2283.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Control deslizante fraccionario de la trayectoria y orientaci3n de un quadrotor con cargas suspendidas desconocidas. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 321.	0.6	5
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	Identification and control of delayed unstable and integrative LTI MIMO systems using pattern search methods. Advances in Difference Equations, 2013, 2013, .	3.5	3
22	Economic Viability Analysis for an OTEC Power Plant at San Andr�s Island. Journal of Marine Science and Engineering, 2022, 10, 713.	1.2	3
23	Lead-time identification for inventory control of the supply chain. , 2012, , .		2
24	Colombian Caribbean Bathymetry for an OTEC System Location. Journal of Marine Science and Engineering, 2022, 10, 519.	1.2	2
25	Estimaci3n de los par�metros del modelo de un solo diodo del m3dulo fotovoltaico aplicando el m3todo de optimizaci3n basado en b�squeda de patrones mejorado. Revista Ingenier�as Universidad De Medell�n, 2021, 20, 13-32.	0.1	1
26	Centralized inventory control approach for supply chain systems. , 2012, , .		0
27	Delay identification and control of irrigation channels using Pattern Search algorithms. , 2012, , .		0
28	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
29	Static Var Compensator with Fractional Order Dynamics for Enhanced Stability and Control. , 0, , .		0
30	Emulaci3n de una turbina de viento con MPPT en tiempo real. Revista Ingenier�as Universidad De Medell�n, 2019, 18, 163-183.	0.1	0
31	An�lisis de la estabilidad de un convertidor buck multicelular de dos celdas. Mutis, 2014, 4, 26-34.	0.1	0