

Victor Alvarado Martinez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8028534/publications.pdf>

Version: 2024-02-01

36
papers

914
citations

471061
17
h-index

525886
27
g-index

36
all docs

36
docs citations

36
times ranked

870
citing authors

#	ARTICLE	IF	CITATIONS
1	Decomposed Mean Euler-Poincaré Characteristic Model for a Non-Gaussian Physiological Random Field. IEEE Access, 2021, 9, 21180-21191.	2.6	0
2	Classical and fractional-order modeling of equivalent electrical circuits for supercapacitors and batteries, energy management strategies for hybrid systems and methods for the state of charge estimation: A state of the art review. Microelectronics Journal, 2019, 85, 109-128.	1.1	78
3	New numerical approximation for solving fractional delay differential equations of variable order using artificial neural networks. European Physical Journal Plus, 2018, 133, 1.	1.2	54
4	Analysis of projectile motion: A comparative study using fractional operators with power law, exponential decay and Mittag-Leffler kernel. European Physical Journal Plus, 2018, 133, 1.	1.2	12
5	SIMULATION AND CONTROL OF A PRESSURE SWING ADSORPTION PROCESS TO DEHYDRATE ETHANOL. Revista Mexicana De Ingeniera Quimica, 2018, 17, 1051-1081.	0.2	8
6	An Alternative Approach to the Inference of the Extended Observability Matrix, and Its Relation With the PO-MOESP Algorithm. IEEE Transactions on Control Systems Technology, 2017, 25, 888-898.	3.2	2
7	Energy management control strategy to improve the FC/SC dynamic behavior on hybrid electric vehicles: A frequency based distribution. Renewable Energy, 2017, 105, 407-418.	4.3	32
8	Hybrid PEMFC-supercapacitor system: Modeling and energy management in energetic macroscopic representation. Applied Energy, 2017, 205, 1478-1494.	5.1	44
9	Actuator Fault Tolerant Control Based on a MIMO-MPC: Application in a Double-Pipe Heat Exchanger. Chemical Engineering Communications, 2017, 204, 86-96.	1.5	11
10	Control of the Air Supply Subsystem in a PEMFC with Balance of Plant Simulation. Sustainability, 2017, 9, 73.	1.6	31
11	Control Structures Evaluation for a Salt Extractive Distillation Pilot Plant: Application to Bio-Ethanol Dehydration. Energies, 2017, 10, 1276.	1.6	17
12	Chaos in a Cancer Model via Fractional Derivatives with Exponential Decay and Mittag-Leffler Law. Entropy, 2017, 19, 681.	1.1	70
13	On the Possibility of the Jerk Derivative in Electrical Circuits. Advances in Mathematical Physics, 2016, 2016, 1-8.	0.4	6
14	Computing the extended observability matrix in the PO-MOESP algorithm: an alternative point of view. IEEE Latin America Transactions, 2016, 14, 314-319.	1.2	0
15	Atangana-Baleanu fractional derivative applied to electromagnetic waves in dielectric media. Journal of Electromagnetic Waves and Applications, 2016, 30, 1937-1952.	1.0	65
16	Electromagnetic waves in conducting media described by a fractional derivative with non-singular kernel. Journal of Electromagnetic Waves and Applications, 2016, 30, 1493-1503.	1.0	10
17	Triple pendulum model involving fractional derivatives with different kernels. Chaos, Solitons and Fractals, 2016, 91, 248-261.	2.5	60
18	Modeling diffusive transport with a fractional derivative without singular kernel. Physica A: Statistical Mechanics and Its Applications, 2016, 447, 467-481.	1.2	93

#	ARTICLE	IF	CITATIONS
19	Modeling and simulation of the fractional space-time diffusion equation. Communications in Nonlinear Science and Numerical Simulation, 2016, 30, 115-127.	1.7	82
20	Fractional thermal diffusion and the heat equation. Open Physics, 2015, 13, .	0.8	5
21	Balanced simplicityâ€“accuracy neural network model families for system identification. Neural Computing and Applications, 2015, 26, 171-186.	3.2	26
22	Computational cost improvement of neural network models in black box nonlinear system identification. Neurocomputing, 2015, 166, 96-108.	3.5	37
23	Analysis Of Subspace Identification Methods Based On The Estimation Of The System Matrices. IEEE Latin America Transactions, 2015, 13, 1068-1076.	1.2	3
24	Neural network design and model reduction approach for black box nonlinear system identification with reduced number of parameters. Neurocomputing, 2013, 101, 170-180.	3.5	41
25	On a Robust Modeling of Piezo-Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	0.9	6
26	System Identification with an Extended Threshold M-Estimator for Pseudo-Linear Models Structure. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 233-238.	0.4	1
27	1/2 Nonlinear system identification: A balanced accuracy/complexity neural network approach. , 2012, , .		1
28	2/2 Training time optimization for balanced accuracy/complexity neural network models. , 2012, , .		1
29	A new robust estimation approach: An extended threshold M-estimator procedure. , 2011, , .		5
30	L<inf>1</inf> - L<inf>2</inf> robust estimation in prediction error system identification. , 2009, , .		4
31	Observer-based monitoring of heat exchangers. ISA Transactions, 2008, 47, 15-24.	3.1	46
32	TEST-BASED PARAMETER ESTIMATION OF A BENCH-SCALE DISTILLATION COLUMN FOR PREDICTIVE CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 315-320.	0.4	0
33	Performance monitoring of heat exchangers via adaptive observers. Measurement: Journal of the International Measurement Confederation, 2007, 40, 392-405.	2.5	29
34	A TEST-BASED METHODOLOGY FOR PARAMETER ESTIMATION FOR A PILOT PLANT DISTILLATION COLUMN. , 2007, , .		1
35	L/sub 1/ prediction error approach in system identification. , 2002, , .		1
36	Active noise control of a duct using robust control theory. IEEE Transactions on Control Systems Technology, 2000, 8, 930-938.	3.2	32