Luis Felipe Giraldo Trujillo

List of Publications by Year
in descending order

36	401	933447	839539
papers	citations	10	18
		h-index	g-index

36	36	36	238
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Machine learning for site-adaptation and solar radiation forecasting. Renewable Energy, 2021, 167, 333-342.	8.9	86
2	Failure signature classification in solar photovoltaic plants using RGB images and convolutional neural networks. Renewable Energy, 2020, 162, 249-256.	8.9	46
3	Machine learning in photovoltaic systems: A review. Renewable Energy, 2022, 196, 298-318.	8.9	39
4	Solar irradiance forecasting models without on-site training measurements. Renewable Energy, 2020, 152, 557-566.	8.9	36
5	Dynamics of Metabolism and Decision Making During Alcohol Consumption: Modeling and Analysis. IEEE Transactions on Cybernetics, 2017, 47, 3955-3966.	9.5	17
6	Trajectory design for efficient crop irrigation with a UAV. , 2017, , .		16
7	Modeling and Analysis of Group Dynamics in Alcohol-Consumption Environments. IEEE Transactions on Cybernetics, 2017, 47, 165-176.	9.5	15
8	A Multi-Critic Reinforcement Learning Method: An Application to Multi-Tank Water Systems. IEEE Access, 2020, 8, 173227-173238.	4.2	15
9	Machine learning for manually-measured water quality prediction in fish farming. PLoS ONE, 2021, 16, e0256380.	2.5	14
10	A System Dynamic Model of Drinking Events: Multi€Level Ecological Approach. Systems Research and Behavioral Science, 2018, 35, 265-281.	1.6	13
11	Computational models of community resilience. Natural Hazards, 2022, 111, 1121-1152.	3.4	13
12	Dynamic Task Performance, Cohesion, and Communications in Human Groups. IEEE Transactions on Cybernetics, 2016, 46, 2207-2219.	9.5	11
13	Prediction of site-specific solar diffuse horizontal irradiance from two input variables in Colombia. Heliyon, 2021, 7, e08602.	3.2	10
14	Foraging theory for dimensionality reduction of clustered data. Machine Learning, 2011, 82, 71-90.	5.4	8
15	Open-source low-cost design of a buoy for remote water quality monitoring in fish farming. PLoS ONE, 2022, 17, e0270202.	2.5	7
16	A Clustering Approach for Domestic Smart Metering Data Preprocessing. , 2018, , .		6
17	Optimization of Energy and Water Consumption on Crop Irrigation using UAVs via Path Design. , 2019, , .		6
18	Deep Learning-Based Portable Device for Audio Distress Signal Recognition in Urban Areas. Applied Sciences (Switzerland), 2020, 10, 7448.	2.5	6

#	Article	IF	Citations
19	Feedback Control Engineering for Cooperative Community Development: Tools for Financial Management Advice for Low-Income Individuals. IEEE Control Systems, 2018, 38, 87-101.	0.8	5
20	Dynamics of Cooperation in a Task Completion Social Dilemma. PLoS ONE, 2017, 12, e0170604.	2.5	5
21	Structural sparsity for active control design in civil engineering. , 2017, , .		4
22	Structural Sparsity in Networked Control Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5152-5161.	9.3	4
23	Donation Networks in Underprivileged Communities. IEEE Transactions on Computational Social Systems, 2021, 8, 76-85.	4.4	4
24	Discrete-Time Distributed Population Dynamics for Optimization and Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7112-7122.	9.3	3
25	Structural sparsity in control design of active and semi‐active systems. Structural Control and Health Monitoring, 2021, 28, e2758.	4.0	2
26	Distributed Formation Control of Mobile Robots Using Discrete-Time Distributed Population Dynamics. IFAC-PapersOnLine, 2020, 53, 3131-3136.	0.9	2
27	You Make Me Tremble: A First Look at Attacks Against Structural Control Systems. , 2021, , .		2
28	Dynamics of a Differential Wheeled Robot: Control and Trajectory Error Bound. , 2021, , .		2
29	Distributed MPC and Potential Game Controller for Consensus in Multiple Differential-Drive Robots. , 2019, , .		1
30	Model Predictive Control and Structural Sparsity. , 2019, , .		1
31	Resilient Structural Sparsity in the Design of Consensus Networks. IEEE Transactions on Cybernetics, 2023, 53, 2717-2726.	9.5	1
32	Data-Driven Design of a Reference Governor Using Deep Reinforcement Learning. , 2021, , .		1
33	Distributed Reconfiguration for Resilient Synchronization of Multi-Agent Systems. IEEE Access, 2021, 9, 140235-140247.	4.2	0
34	Developing a Collaborative System Dynamics Model of College Drinking Events:. , 2020, , 215-240.		0
35	Kiosol: An Intelligent Distributed Energy Resources Living Laboratory. , 2021, , .		0
36	Variations of Rotating Savings and Credit Associations for Community Development. IEEE Transactions on Computational Social Systems, 2023, 10, 614-622.	4.4	0