Moussa Labbadi

List of Publications by Year
in descending order

53 papers	**1,026** citations	758635 **12** h-index	454577 **30** g-index
64 all docs	**64** docs citations	**64** times ranked	**434** citing authors

#	Article	IF	Citations
1	Robust adaptive backstepping fast terminal sliding mode controller for uncertain quadrotor UAV. Aerospace Science and Technology, 2019, 93, 105306.	2.5	202
2	Robust adaptive nonsingular fast terminal sliding-mode tracking control for an uncertain quadrotor UAV subjected to disturbances. ISA Transactions, 2020, 99, 290-304.	3.1	182
3	CNN-LSTM: An efficient hybrid deep learning architecture for predicting short-term photovoltaic power production. Electric Power Systems Research, 2022, 208, 107908.	2.1	116
4	Short-term self consumption PV plant power production forecasts based on hybrid CNN-LSTM, ConvLSTM models. Renewable Energy, 2021, 177, 101-112.	4.3	112
5	Adaptive Fractional-Order Nonsingular Fast Terminal Sliding Mode Based Robust Tracking Control of Quadrotor UAV With Gaussian Random Disturbances and Uncertainties. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2265-2277.	2.6	65
6	Robust Integral Terminal Sliding Mode Control for Quadrotor UAV with External Disturbances. International Journal of Aerospace Engineering, 2019, 2019, 1-10.	0.5	43
7	Path Following Control of Quadrotor UAV With Continuous Fractional-Order Super Twisting Sliding Mode. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 1429-1451.	2.0	37
8	Fractional-order global sliding mode controller for an uncertain quadrotor UAVs subjected to external disturbances. Journal of the Franklin Institute, 2021, 358, 4822-4847.	1.9	34
9	Novel robust super twisting integral sliding mode controller for a quadrotor under external disturbances. International Journal of Dynamics and Control, 2020, 8, 805-815.	1.5	32
10	An improved adaptive fractional-order fast integral terminal sliding mode control for distributed quadrotor. Mathematics and Computers in Simulation, 2021, 188, 120-134.	2.4	24
11	Modeling and Robust Integral Sliding Mode Control for a Quadrotor Unmanned Aerial Vehicle. , 2018, , .		22
12	Robust Adaptive Global Time-varying Sliding-mode Control for Finite-time Tracker Design of Quadrotor Drone Subjected to Gaussian Random Parametric Uncertainties and Disturbances. International Journal of Control, Automation and Systems, 2021, 19, 2213-2223.	1.6	19
13	Fractional-order Fast Terminal Sliding Mode Control of Uncertain Quadrotor UAV with Time-varying Disturbances. , 2019, , .		14
14	Fixed-Time Fractional-Order Global Sliding Mode Control for Nonholonomic Mobile Robot Systems under External Disturbances. Fractal and Fractional, 2022, 6, 177.	1.6	13
15	Optimal Fractional Order Based on Fuzzy Control Scheme for Wind Farm Voltage Control with Reactive Power Compensation. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	10
16	Integral-type terminal sliding mode control approach for wind energy conversion system with uncertainties. Computers and Electrical Engineering, 2022, 99, 107775.	3.0	10
17	Fuel cell electric vehicles: A review of current power electronic converters Topologies and technical challenges. IOP Conference Series: Earth and Environmental Science, 2021, 785, 012011.	0.2	9
18	Optimal New Sliding Mode Controller Combined with Modified Supertwisting Algorithm for a Perturbed Quadrotor UAV. International Journal of Aerospace Engineering, 2020, 2020, 1-10.	0.5	8

#	Article	IF	Citations
19	A Continuous Nonlinear Sliding Mode Control with Fractional Operators for Quadrotor UAV Systems in the Presence of Disturbances. Journal of Aerospace Engineering, 2022, 35, .	0.8	8
20	Comparison of the different control strategies for Quadrotor Unmanned Aerial Vehicle. , 2020, , .		7
21	A Comparative Analysis of Control Strategies for Stabilizing a Quadrotor. Smart Innovation, Systems and Technologies, 2019, , 625-630.	0.5	6
22	Adaptive Nonlinear Controller for the Trajectory Tracking of the Quadrotor with Uncertainties. , 2020, , .		6
23	Advanced Robust Nonlinear Control Approaches for Quadrotor Unmanned Aerial Vehicle. Studies in Systems, Decision and Control, 2022, , .	0.8	5
24	Short-Term Load Forecasting: Based on Hybrid CNN-LSTM Neural Network. , 2021, , .		5
25	Convolutional Neural Network (CNN) Extended Architectures for Photovoltaic Power Production Forecasting. , 2021, , .		4
26	A novel non-singular terminal sliding mode control combined with integral sliding surface for perturbed quadrotor. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2022, 236, 999-1009.	0.7	4
27	Robust adaptive global nonlinear sliding mode controller for a quadrotor under external disturbances and uncertainties. Advances in Mechanical Engineering, 2020, 12, 168781402097523.	0.8	3
28	A Comparison Study of Machine Learning Methods for Energy Consumption Forecasting in Industry. Lecture Notes in Networks and Systems, 2021, , 165-175.	0.5	3
29	A Continuous Nonlinear Fractional-Order PI Controller for Primary Frequency Control Application. Mathematical Problems in Engineering, 2021, 2021, 1-11.	0.6	3
30	Energy Consumption Forecasting in Industrial Sector Using Machine Learning Approaches. Learning and Analytics in Intelligent Systems, 2020, , 155-164.	0.5	3
31	Study of hybrid PV_CSP plants considering two dispatching strategies in Ouarzazate. , 2019, , .		2
32	New hybrid fractional-order control-based disturbances observer for autonomous quadrotor vehicles subjected to disturbances. , 2021, , .		2
33	A Novel Nonlinear Sliding Mode Control Scheme for PMSG Based on Wind Energy Conversion System. , 2021, , .		2
34	A Review on the Prediction of Energy Consumption in the Industry Sector Based on Machine Learning Approaches. , 2021, , .		2
35	Robust flight control for a quadrotor under external disturbances based on predefined-time terminal sliding mode manifold. JVC/Journal of Vibration and Control, 2023, 29, 2064-2076.	1.5	2
36	Sizing Optimization of Grid-Connected Hybrid PV-Wind Energy Systems: State of Art Review and Perspectives. Journal of Nano- and Electronic Physics, 2021, 13, 03006-1-03006-4.	0.2	1

#	Article	IF	Citations
37	Impact of the Electromagnetic Environment on UAV's Datalink. IOP Conference Series: Earth and Environmental Science, 2021, 785, 012010.	0.2	1
38	Robust Nonlinear Controller of the Speed for Double Star Induction Machine in the Presence of a Sensor Fault. International Journal of Intelligent Engineering and Systems, 2020, 13, 124-133.	0.8	1
39	The electromagnetic interferance caused by high voltage power lines along the electrical railway equipment. International Journal of Electrical and Computer Engineering, 2020, 10, 4581.	0.5	1
40	Supervisory andÂPower Control Systems ofÂaÂWF forÂParticipating inÂAuxiliary Services. Studies in Systems, Decision and Control, 2022, , 63-86.	0.8	1
41	Power Control for Wind Turbine Driving a Doubly Fed Induction Generator using Type-2 Fuzzy Logic Controller. , 2019, , .		0
42	Magnetic Chargers in Electrical Models: Operating Principle and Efficiency Analysis of an Inductively Coupled Power Transfer System. Lecture Notes in Networks and Systems, 2021, , 1561-1572.	0.5	0
43	QUAV Modeling. Studies in Systems, Decision and Control, 2022, , 19-47.	0.8	0
44	Robust Nonsingular Fast Terminal SMC for Unceratin QUAV Subjected to External Disturbances. Studies in Systems, Decision and Control, 2022, , 123-147.	0.8	0
45	Robust Nonlinear Backstepping SMC forÂQUAV Subjected to External Disturbances. Studies in Systems, Decision and Control, 2022, , 103-122.	0.8	0
46	Robust Adaptive Global Time-Varying SMC for QUAV Subjected to Gaussian Random Uncertainties/Disturbances. Studies in Systems, Decision and Control, 2022, , 149-164.	0.8	0
47	High Order Fractional Controller Based on PID-SMC for the QUAV Under Uncertainties and Disturbance. Studies in Systems, Decision and Control, 2022, , 165-190.	0.8	0
48	Stabilization of QUAV Under External Disturbances Using Modified Novel ST Based on Finite-Time SMC. Studies in Systems, Decision and Control, 2022, , 49-80.	0.8	0
49	Operation and Startup of Three-Phase Grid-Connected PWM Inverter for an Experimental Test Bench With DSPACE Real-Time Implementation of PQ Control. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 207-232.	0.3	0
50	Quadcopter Attitude Stabilization in a Gyroscopic Testbench. Learning and Analytics in Intelligent Systems, 2020, , 621-630.	0.5	0
51	The Impact of the High Voltage Power Lines Coupling on the Railway Signaling System. Journal of Engineering Science and Technology Review, 2020, 13, 141-146.	0.2	0
52	Impact of the Harmonic Pollution of Railway Locomotive on the Sound System: Experimental Measurement, Modelling and Simulating. International Journal of Intelligent Engineering and Systems, 2020, 13, 201-211.	0.8	0
53	Design of fractional-order finite-time sliding mode controllers for quadrotor UAVs subjected to disturbances and uncertainties. , 2022, , 151-178.		0