Omar RodrÃ-guez-Abreo

List of Publications by Year
in descending order

15 papers	185 citations	1307366 7 h-index	1125617 13 g-index
15 all docs	15 docs citations	15 times ranked	89 citing authors

#	Article	IF	Citations
1	Artificial Neural Networks in MPPT Algorithms for Optimization of Photovoltaic Power Systems: A Review. Micromachines, 2021, 12, 1260.	1.4	68
2	Self-Tuning Neural Network PID With Dynamic Response Control. IEEE Access, 2021, 9, 65206-65215.	2.6	38
3	Genetic Algorithm-Based Tuning of Backstepping Controller for a Quadrotor-Type Unmanned Aerial Vehicle. Electronics (Switzerland), 2020, 9, 1735.	1.8	15
4	Backstepping control for a UAV-manipulator tuned by Cuckoo Search algorithm. Robotics and Autonomous Systems, 2022, 147, 103910.	3.0	12
5	Parameter Identification of Motors by Cuckoo Search Using Steady-State Relations. IEEE Access, 2021, 9, 72017-72024.	2.6	11
6	Non-Linear Regression Models with Vibration Amplitude Optimization Algorithms in a Microturbine. Sensors, 2022, 22, 130.	2.1	9
7	Metaheuristic Parameter Identification of Motors Using Dynamic Response Relations. Sensors, 2022, 22, 4050.	2.1	8
8	Sustainable Glass Recycling Culture-Based on Semi-Automatic Glass Bottle Cutter Prototype. Sustainability, 2021, 13, 6405.	1.6	7
9	Estimation of Transfer Function Coefficients for Second-Order Systems via Metaheuristic Algorithms. Sensors, 2021, 21, 4529.	2.1	7
10	Sensorless Estimation Based on Neural Networks Trained with the Dynamic Response Points. Sensors, 2021, 21, 6719.	2.1	3
11	Self-Tuning Control Using an Online-Trained Neural Network to Position a Linear Actuator. Micromachines, 2022, 13, 696.	1.4	3
12	Neural Network and Spatial Model to Estimate Sustainable Transport Demand in an Extensive Metropolitan Area. Sustainability, 2022, 14, 4872.	1.6	2
13	Novel Mathematical Method to Obtain the Optimum Speed and Fuel Reduction in Heavy Diesel Trucks. Energies, 2021, 14, 8121.	1.6	1
14	Spatial Models and Neural Network for Identifying Sustainable Transportation Projects with Study Case in Querétaro, an Intermediate Mexican City. Sustainability, 2022, 14, 7796.	1.6	1
15	Metaheuristic Algorithm-Based Vibration Response Model for a Gas Microturbine. Sensors, 2022, 22, 4317.	2.1	0