

# Musa Mailah

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

417  
citations

840776

11  
h-index

794594

19  
g-index

33  
all docs

33  
docs citations

33  
times ranked

320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent active force control of a 3-RRR parallel manipulator incorporating fuzzy resolved acceleration control. <i>Applied Mathematical Modelling</i> , 2012, 36, 2370-2383.	4.2	47
2	Genetic algorithm-based identification of transfer function parameters for a rectangular flexible plate system. <i>Engineering Applications of Artificial Intelligence</i> , 2010, 23, 1388-1397.	8.1	42
3	Path Planning and Control of Mobile Robot in Road Environments Using Sensor Fusion and Active Force Control. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 2176-2195.	6.3	42
4	Control Strategies and Novel Techniques for Autonomous Rotorcraft Unmanned Aerial Vehicles: A Review. <i>IEEE Access</i> , 2020, 8, 195142-195169.	4.2	41
5	Robust Motion Control for Mobile Manipulator Using Resolved Acceleration and Proportional-Integral Active Force Control. <i>International Journal of Advanced Robotic Systems</i> , 2005, 2, 14.	2.1	34
6	Two degree-of-freedom spacecraft attitude controller. <i>Advances in Space Research</i> , 2011, 47, 685-689.	2.6	19
7	Roll Movement Control of a Spray Boom Structure Using Active Force Control with Artificial Neural Network Strategy. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2013, 32, 189-201.	2.9	19
8	Robust Intelligent Self-Tuning Active Force Control of a Quadrotor With Improved Body Jerk Performance. <i>IEEE Access</i> , 2020, 8, 150037-150050.	4.2	18
9	Vibration suppression of sprayer boom structure using active torque control and iterative learning. Part I: Modelling and control via simulation. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4689-4699.	2.6	16
10	Modelling and control of a piezo actuated micro robot with active force control capability for in-pipe application. <i>International Journal of Modelling, Identification and Control</i> , 2011, 13, 301.	0.2	15
11	Active Force Control Applied to Spray Boom Structure. <i>Applied Mechanics and Materials</i> , 0, 315, 616-620.	0.2	13
12	Practical Real-Time Implementation of a Disturbance Rejection Control Scheme for a Twin-Rotor Helicopter System Using Intelligent Active Force Control. <i>IEEE Access</i> , 2021, 9, 4886-4901.	4.2	13
13	Attitude pointing enhancement for combined energy and attitude control system. <i>Acta Astronautica</i> , 2011, 68, 2025-2028.	3.2	12
14	Autonomous Road Roundabout Detection and Navigation System for Smart Vehicles and Cities Using Laser Simulatorâ€“Fuzzy Logic Algorithms and Sensor Fusion. <i>Sensors</i> , 2020, 20, 3694.	3.8	9
15	Vibration suppression of sprayer boom structure using active torque control and iterative learning. Part II: Experimental implementation. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4740-4750.	2.6	8
16	A novel inertia moment estimation algorithm collaborated with Active Force Control scheme for wheeled mobile robot control in constrained environments. <i>Expert Systems With Applications</i> , 2021, 183, 115454.	7.6	8
17	Modeling and Simulation of an Active Vibration Control System for a Flexible Structure Using Finite Difference Method. , 2009, , .		6
18	A Novel Voice-Coil Actuated Mini Crawler for In-Pipe Application Employing Active Force Control With Iterative Learning Algorithm. <i>IEEE Access</i> , 2021, 9, 28156-28166.	4.2	6

#	ARTICLE	IF	CITATIONS
19	Mechatronic design and development of an autonomous mobile robotics system for road marks painting. , 2016, , .		5
20	Coal fired power plant: A review on coal blending and emission issues. AIP Conference Proceedings, 2019, , .	0.4	5
21	Coal combustion analysis tool in coal fired power plant for slagging and fouling guidelines. AIP Conference Proceedings, 2019, , .	0.4	5
22	Improving Disturbance Rejection Capability for a Quadcopter UAV System Using Self-Regulating Fuzzy PID Controller. , 2021, , .		5
23	Main Steam Temperature Modeling Based on Levenberg-Marquardt Learning Algorithm. Applied Mechanics and Materials, 0, 388, 307-311.	0.2	4
24	Sensitivity Analysis on Neural Network Algorithm for Primary Superheater Spray Modeling. Heat Transfer Engineering, 2017, 38, 417-422.	1.9	4
25	Gyroscopic stabilisation of rolling motion in simplified marine hull model. , 2017, , .		4
26	Development of an Autonomous Robotics Platform for Road Marks Painting Using Laser Simulator and Sensor Fusion Technique. Robotica, 2021, 39, 535-556.	1.9	4
27	Development of experimental-rig for human postural tremor behaviour. International Journal of Human Factors Modelling and Simulation, 2010, 1, 339.	0.2	3
28	Identification and Control of a Piezoelectric Bender Actuator. , 2012, , .		3
29	Disturbance rejection for a quadrotor using robust active force control with genetic algorithm. International Journal of Modelling, Identification and Control, 2020, 36, 200.	0.2	3
30	Development of System Identification for Piezoelectric Patch Actuator. Applied Mechanics and Materials, 0, 761, 245-249.	0.2	2
31	Simulator for Control of Autonomous Nonholonomic Wheeled Mobile Robot. Journal of Applied Sciences, 2008, 8, 2534-2543.	0.3	1
32	Sensitivity Analysis of Intelligent Active Force Control Applied to a Quadrotor System. Lecture Notes in Networks and Systems, 2022, , 153-163.	0.7	1
33	An active control method to reduce the effect of negative damping in disk brake system. , 2009, , .		0