Muhammad Nasiruddin Mahyuddin

List of Publications by Year
in descending order

53	890	932766	525886
papers	citations	10 h-index	27 g-index

55	55	55	738
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Agrivoltaic Systems: An Innovative Approach to Combine Agricultural Production and Solar Photovoltaic System. Lecture Notes in Electrical Engineering, 2022, , 779-785.	0.3	1
2	Distributed Adaptive Cooperative Control With Fault Compensation Mechanism for Heterogeneous Multi-Robot System. IEEE Access, 2021, 9, 128550-128563.	2.6	3
3	Enhanced Dense Space Attention Network for Super-Resolution Construction From Single Input Image. IEEE Access, 2021, 9, 126837-126855.	2.6	3
4	Development and virtual validation of a novel digital workflow to rehabilitate palatal defects by using smartphone-integrated stereophotogrammetry (SPINS). Scientific Reports, 2021, 11, 8469.	1.6	10
5	Solar Photovoltaic Architecture and Agronomic Management in Agrivoltaic System: A Review. Sustainability, 2021, 13, 7846.	1.6	52
6	Network-Based Cooperative Synchronization Control of 3 Articulated Robotic Arms for Industry 4.0 Application. Lecture Notes in Electrical Engineering, 2021, , 435-447.	0.3	0
7	A Model-free Deep Reinforcement Learning Approach for Robotic Manipulators Path Planning. , 2021, , .		4
8	Dynamic Compensation Controller with Feedback Linearization Technique of 3 Degree of Freedom Exoskeleton Robotic Arm for Upper Limb Rehabilitation Purpose. Lecture Notes in Mechanical Engineering, 2020, , 557-568.	0.3	1
9	A Neural Network-Based Adaptive Backstepping Control Law With Covariance Resetting for Asymptotic Output Tracking of a CSTR Plant. IEEE Access, 2020, 8, 29755-29766.	2.6	5
10	Enhanced Time Synchronization Protocol for Wireless Sensor and Actuator Network. Lecture Notes in Mechanical Engineering, 2020, , 157-166.	0.3	0
11	A Bottle Neck Simulation System for a Generic Production Process. Lecture Notes in Mechanical Engineering, 2020, , 299-307.	0.3	0
12	An Advanced PID Based Control Technique With Adaptive Parameter Scheduling for A Nonlinear CSTR Plant. IEEE Access, 2019, 7, 158085-158094.	2.6	15
13	Adaptive Cooperative Localization Using Relative Position Estimation for Networked Systems With Minimum Number of Communication Links. IEEE Access, 2019, 7, 32368-32382.	2.6	10
14	Autonomous Test System for CAN-based Automotive Instrument Cluster. , 2019, , .		0
15	An enhanced distributed control-theoretic time synchronization protocol using sliding mode control for wireless sensor and actuator network. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 14, 688.	0.7	3
16	Adaptive Model-Free Control Based on an Ultra-Local Model With Model-Free Parameter Estimations for a Generic SISO System. IEEE Access, 2018, 6, 4266-4275.	2.6	42
17	Optimal modelâ€free control for a generic MIMO nonlinear system with application to autonomous mobile robots. International Journal of Adaptive Control and Signal Processing, 2018, 32, 792-815.	2.3	22
18	A Cost-Competitive Twin Programmable Microcontroller-based Digital Potentiometer for Low Range Resistance Application in Automotive Testing. , 2018, , .		0

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19	Application of the Optimal Adaptive Model-Free Control Algorithm on an Autonomous Underwater Vehicle. , 2018, , .		2
20	Distributed adaptive model-free cooperative control for a network of generic unknown nonlinear systems. International Journal of Advanced Robotic Systems, 2018, 15, 172988141880148.	1.3	3
21	A solution for the cooperative formation-tracking problem in a network of completely unknown nonlinear dynamic systems without relative position information. International Journal of Systems Science, 2018, 49, 3459-3475.	3.7	4
22	Adopting Hardware-In-the-Loop for Testing Vehicle Instrument Panel using Economical Approach. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 10, 50.	0.7	2
23	Obstacles Avoidance Control for Autonomous Mobile Robot Based on Fuzzy Logic Controller. Advanced Science Letters, 2018, 24, 7895-7899.	0.2	1
24	Brief Reviews: Time Synchronization Protocols in Wireless Sensor Networkâ€"Centralized Versus Distributed. Lecture Notes in Electrical Engineering, 2017, , 435-441.	0.3	3
25	Modeling and Adaptive Control Design for a Quadrotor. Lecture Notes in Electrical Engineering, 2017, , 443-452.	0.3	1
26	Adaptive model-free control for robotic manipulators. , 2017, , .		9
27	A study of walking gait stability and gait efficiency of a cost-effective small humanoid bipedal robot: Analysis, simulation and implementation. , 2017, , .		3
28	Adaptive model-free consensus control for a network of nonlinear agents under the presence of measurement noise. , 2017, , .		5
29	Cost-effective microcontroller-based hardware-in-the-loop test equipment for testing vehicle instrument panel. , 2017, , .		2
30	Distributed observer for a team of autonomous underwater vehicles utilizing a beacon unit on the surface. , 2017, , .		1
31	An optimal adaptive model-free control with a Kalman-filter-based observer for a generic nonlinear MIMO system. , 2017, , .		7
32	Novel Robust Adaptive Algorithms for Estimation and Control. , 2016, , 661-709.		0
33	Cooperative formation control algorithm of a generic multi-agent system applicable for multi-autonomous surface vehicles. , 2016, , .		4
34	Robotic hand posture and compliant grasping control using operational space and integral sliding mode control. Robotica, 2016, 34, 2163-2185.	1.3	14
35	Lyapunov-based nonlinear controller for quadrotor position and attitude tracking with GA optimization. , 2016, , .		8
36	Network server load balancing using consensus-based control algorithm. , 2016, , .		1

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37	Time synchronization using distributed observer algorithm with sliding mode control element in wireless sensor networks. , 2015, , .		1
38	Leader-following distributed control of multiple nonholonomic wheeled mobile robots. , 2015, , .		1
39	Adaptive optimal tracking control applied for a humanoid robot arm. , 2015, , .		3
40	Robust adaptive finiteâ€time parameter estimation and control for robotic systems. International Journal of Robust and Nonlinear Control, 2015, 25, 3045-3071.	2.1	285
41	Adaptive Observer-Based Parameter Estimation With Application to Road Gradient and Vehicle Mass Estimation. IEEE Transactions on Industrial Electronics, 2014, 61, 2851-2863.	5.2	100
42	A novel robust adaptive control algorithm with finite-time online parameter estimation of a humanoid robot arm. Robotics and Autonomous Systems, 2014, 62, 294-305.	3.0	39
43	Distributed adaptive leader-following control for multi-agent multi-degree manipulators with finite-time guarantees. , 2013, , .		6
44	Cooperative Robot Manipulator Control with Human â€˜pinningâ€™ for Robot Assistive Task Execution. Lecture Notes in Computer Science, 2013, , 521-530.	1.0	8
45	Distributed Motion Synchronisation Control of Humanoid Arms. Communications in Computer and Information Science, 2013, , 21-35.	0.4	4
46	Finite-time adaptive distributed control for double integrator leader-agent synchronisation. , 2012, , .		10
47	An adaptive observer-based parameter estimation algorithm with application to road gradient and vehicle's mass estimation. , 2012, , .		12
48	A Novel Adaptive Control Algorithm in Application to a Humanoid Robot Arm. Lecture Notes in Computer Science, 2012, , 25-36.	1.0	13
49	Robust adaptive finite-time parameter estimation and control of nonlinear systems. , 2011, , .		54
50	Neuro-fuzzy algorithm for obstacle avoidance mission of a mobile robot using FPGA. , 2009, , .		1
51	Implementation of behaviour-based mobile robot for obstacle avoidance using a single ultrasonic sensor. , 2009, , .		2
52	Neuro-fuzzy algorithm implemented in Altera's FPGA for mobile robot's obstacle avoidance mission. , 2009, , .		9
53	Salt-and-pepper noise detection and reduction using fuzzy switching median filter. IEEE Transactions on Consumer Electronics, 2008, 54, 1956-1961.	3.0	100