

Mija J

List of Publications by Year in descending order

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124
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#	ARTICLE	IF	CITATIONS
1	Adaptive Emotional-Learning-Based Controller: A Practical Design Approach for Helicopters With Variable Speed Rotors. IEEE Transactions on Industrial Informatics, 2022, 18, 1132-1141.	7.2	5
2	Output feedback based adaptive composite nonlinear flight control design for a small-scale un-crewed helicopter. ISA Transactions, 2022, 126, 190-202.	3.1	3
3	Nonlinear analysis and estimation of the domain of attraction for a droop controlled microgrid system. Electric Power Systems Research, 2022, 204, 107712.	2.1	6
4	Model predictive consensus in networked autonomous systems using discrete Laguerre functions and event triggering approach. European Journal of Control, 2022, 64, 100607.	1.6	5
5	Discrete Laguerre-based model predictive control for dynamic consensus of a vehicle platoon with time delay. International Journal of Systems Science, 2022, 53, 2566-2583.	3.7	3
6	Design of a multivariable stimulus for Emotional-Learning based control of a 2-DOF laboratory helicopter. ISA Transactions, 2021, 118, 189-206.	3.1	4
7	Convex-Optimization-based Constrained Control Strategy for 3-DOF Tandem Helicopter using Feedback Linearization. Journal of Optimization Theory and Applications, 2021, 191, 736-755.	0.8	3
8	Composite Control of a Hovering Helicopter Based on Optimized Sliding Mode Control. Journal of Optimization Theory and Applications, 2021, 191, 756-775.	0.8	2
9	Emotional Learning Based Controller for Quadruple Tank System—An Improved Stimuli Design for Multiple Set-Point Tracking. IEEE Transactions on Industrial Electronics, 2021, 68, 11296-11308.	5.2	13
10	Trajectory Tracking of Unmanned Helicopter Using Super Twisting Control. , 2020, , .		2
11	Trajectory Tracking of Unmanned Helicopter Using Optimized Integral LQR Controller. , 2020, , .		3
12	Performance Enhancement of Relatively Optimal Controller for Continuous Time Systems. , 2020, , .		2
13	Small signal stability improvement of a microgrid by the optimised dynamic droop control method. IET Renewable Power Generation, 2020, 14, 822-833.	1.7	24
14	Consensus Control of Two Wheeled Mobile Robots with Time Delay. , 2020, , .		1
15	Adaptive Particle Swarm Optimized Trajectory Tracking of Unmanned Helicopter Under Unmatched Disturbances. , 2020, , .		0
16	Asymptotic Stabilization and Trajectory Tracking of 4 DOF Ball Balancer using LQR. , 2019, , .		0
17	Stabilisation of Ball and Beam Module Using Relatively Optimal Control. International Journal of Mechanical Engineering and Robotics Research, 2019, , 265-272.	0.7	4
18	Modelling of Hovering Helicopter and its Stability analysis using Participation factor. IFAC-PapersOnLine, 2018, 51, 504-511.	0.5	12

#	ARTICLE	IF	CITATIONS
19	Tele-operated trajectory tracking of differential drive wheeled mobile robot using haptic robot. , 2017, , .		0
20	State space modelling, analysis and optimization of microgrid droop controller. , 2017, , .		4
21	Robust controller for trajectory tracking of a Mobile Robot. , 2016, , .		1
22	Obstacle avoiding trajectory planning for 5 degree of freedom robot. , 2016, , .		0
23	Performance analysis of SOSMC and BELBIC for level control of quadruple tank system. , 2016, , .		4
24	Balancing of two wheeled inverted pendulum using SOSMC and validation on LEGO EV3. , 2016, , .		5
25	Robust trajectory tracking controller for 5 degree of freedom robotic manipulator. , 2015, , .		2
26	Dynamic SMC control scheme with adaptively tuned PID controller for speed control of DC motor. , 2015, , .		7
27	Design of H_2 controller for stabilization of two-wheeled inverted pendulum. , 2014, , .		4
28	Robust H_∞ control algorithm for Twin Rotor MIMO System. , 2014, , .		5
29	Design and performance evaluation of robust SMC schemes for speed control of DC motor. , 2014, , .		7
30	Design of Brain Emotional Learning Based Intelligent Controller (BELBIC) for uncertain systems. , 2014, , .		8
31	Effect of Copper Oxide, Titanium Dioxide, and Lithium Fluoride on the Thermal Behavior and Decomposition Kinetics of Ammonium Nitrate. Journal of Energetic Materials, 2014, 32, 146-161.	1.0	16
32	DESIGN OF OPTIMAL DISCRETE SLIDING MODE CONTROLLERS. Control and Intelligent Systems, 2012, 40, .	0.3	0
33	Reaching law based sliding mode control for discrete MIMO systems. , 2010, , .		34
34	Comparative Study of Sliding Mode and Relay Enhanced PI Controllers for MIMO Systems. , 2010, , 201-206.		0
35	Comparative study of fast output sampling feedback and relay free sliding mode controllers for power system stabilizer. , 2008, , .		0
36	Design of Fault Tolerant Control Laws for Jet Engines. Applied Mechanics and Materials, 0, 367, 96-100.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Improved small signal stability of microgridâ€™s droop control scheme with SMC. Electrical Engineering, 0, , 1.	1.2	1