Seng-Chi Chen

List of Publications by Year
in descending order

21 papers	209 citations

1163117

8 h-index	

1058476

14 g-index	

22 all docs	22 docs citations
22 times ranked	145 citing authors

#	Article	IF	Citations
1	Realization of the Sensorless Permanent Magnet Synchronous Motor Drive Control System with an Intelligent Controller. Electronics (Switzerland), 2020, 9, 365.	3.1	27
2	Inductive Displacement Sensors with a Notch Filter for an Active Magnetic Bearing System. Sensors, 2014, 14, 12640-12657.	3.8	21
3	Trajectory planning for automated robotic deburring on an unknown contour. International Journal of Machine Tools and Manufacture, 2000, 40, 957-978.	13.4	19
4	Application of a rule self-regulating fuzzy controller for robotic deburring on unknown contours. Fuzzy Sets and Systems, 2000, 110, 341-350.	2.7	19
5	Experimental and analytical studies of the sinusoidal dither signal in a DC motor system. Journal of Dynamical and Control Systems, 1993, 3, 53-69.	0.4	18
6	Digital hardware implementation of a radial basis function neural network. Computers and Electrical Engineering, 2016, 53, 106-121.	4.8	17
7	Speed control of brushless DC motor by adaptive network-based fuzzy inference. Microsystem Technologies, 2018, 24, 33-39.	2.0	13
8	Realization of the Neural Fuzzy Controller for the Sensorless PMSM Drive Control System. Electronics (Switzerland), 2020, 9, 1371.	3.1	13
9	ANFIS controller for an Active Magnetic Bearing system. , 2013, , .		10
10	ARNISMC for MLS with global positioning tracking control. IET Electric Power Applications, 2018, 12, 518-526.	1.8	9
11	Design and implement of the recurrent radial basis function neural network control for brushless DC motor. , 2017, , .		7
12	Adaptive Network-Based Fuzzy Inference System (ANFIS) Controller for an Active Magnetic Bearing System with Unbalance Mass. Lecture Notes in Electrical Engineering, 2014, , 433-443.	0.4	7
13	A Novel Fuzzy Neural Network Controller for Maglev System with Controlled-PM Electromagnets. Lecture Notes in Electrical Engineering, 2013, , 551-561.	0.4	6
14	Design and Implementation of a Machine-Learning Observer for Sensorless PMSM Drive Control. Applied Sciences (Switzerland), 2022, 12, 2963.	2.5	6
15	Nonlinear Control of an Active Magnetic Bearing System Achieved Using a Fuzzy Control with Radial Basis Function Neural Network. Journal of Applied Mathematics, 2014, 2014, 1-18.	0.9	5
16	THE PERFORMANCE OF DIFFERENT DITHER SIGNALS IN NONLINEAR SYSTEMS. Modern Physics Letters B, 2009, 23, 2507-2520.	1.9	4
17	Neural Network Control-Based Drive Design of Servomotor and Its Application to Automatic Guided Vehicle. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	4
18	Quench limit cycle using different dither signal in a servo motor system. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Permanent magnet brushless motor field oriented control with dither signal injection. , 2018, , .		2
20	Nonlinearities stabilization using dithering injection in permanent magnet DC motor system. , 2018, , .		0
21	Designing Limit-Cycle Suppressor Using Dithering and Dual-Input Describing Function Methods. Mathematics, 2020, 8, 1978.	2.2	0