

Juing-Shian Chiou

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Determining Neuronal Number in Each Hidden Layer Using Earthquake Catalogues as Training Data in Training an Embedded Back Propagation Neural Network for Predicting Earthquake Magnitude. IEEE Access, 2018, 6, 52582-52597.	4.2	24
2	A new D-stability criterion of multiparameter singularly perturbed discrete systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1226-1230.	0.1	23
3	Attitude Control of a Single Tilt Tri-Rotor UAV System: Dynamic Modeling and Each Channel's Nonlinear Controllers Design. Mathematical Problems in Engineering, 2013, 2013, 1-6.	1.1	19
4	An Arduino-Based Resonant Cradle Design with Infant Cries Recognition. Sensors, 2015, 15, 18934-18949.	3.8	15
5	Applications of PCA and SVM-PSO Based Real-Time Face Recognition System. Mathematical Problems in Engineering, 2014, 2014, 1-12.	1.1	14
6	PSO-Based Algorithm Applied to Quadcopter Micro Air Vehicle Controller Design. Micromachines, 2016, 7, 168.	2.9	14
7	A Simple Interface for 3D Position Estimation of a Mobile Robot with Single Camera. Sensors, 2016, 16, 435.	3.8	10
8	Particle swarm optimization algorithm reinforced fuzzy proportionalâ€“integralâ€“derivative for a quadrotor attitude control. Advances in Mechanical Engineering, 2016, 8, 168781401666870.	1.6	10
9	A fuzzy adaptive controller for cuckoo search algorithm in active suspension system. Journal of Low Frequency Noise Vibration and Active Control, 2020, 39, 761-771.	2.9	10
10	Performance Evaluation of Heart Sound Cancellation in FPGA Hardware Implementation for Electronic Stethoscope. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	9
11	Design of Immune-Algorithm-Based Adaptive Fuzzy Controllers for Active Suspension Systems. Advances in Mechanical Engineering, 2014, 6, 916257.	1.6	8
12	ANFIS based Controller Design for Biped Robots. , 2007, , .		7
13	Stability and stabilization of Takagiâ€“Sugeno fuzzy switched system with time-delay. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 615-621.	1.0	7
14	GSA-Tuning IPD Control of a Field-Sensed Magnetic Suspension System. Sensors, 2015, 15, 31781-31793.	3.8	4
15	Digital Control Analysis and Design of a Field-Sensed Magnetic Suspension System. Sensors, 2015, 15, 6174-6195.	3.8	4
16	Stabilization and the Design of Switching Laws of a Class of Switched Singularly Perturbed Systems via the Composite Control. Mathematics, 2021, 9, 1664.	2.2	3
17	System design and strategy integration for five-on-five robot soccer competition. , 0, , .		2
18	Stabilization Analysis for a Class of Switched Discrete-time Systems. , 2006, , .		2

#	ARTICLE	IF	CITATIONS
19	Two-Dimensional Fuzzy Sliding Mode Control of a Field-Sensed Magnetic Suspension System. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-9.	1.1	2
20	Detecting All Possible Ionospheric Precursors by Kernel-Based Two-Dimensional Principal Component Analysis. <i>IEEE Access</i> , 2019, 7, 53650-53666.	4.2	2
21	Stability Analysis and Robust Stabilization of Uncertain Fuzzy Time-Delay Systems. <i>Mathematics</i> , 2021, 9, 2441.	2.2	2
22	The optimization of the application of fuzzy ant colony algorithm in soccer robot. , 2009, , .		1
23	Adaptive classification and strategy making system for android soccer games. , 2012, , .		1
24	The disturbance attenuation analysis of T-S fuzzy models using composite quadratic Lyapunov functions. , 2010, , .		0
25	SOMNN based object segmentation for soccer robot system using adaptive background generation. , 2011, , .		0
26	Robust Delay Independent Stability Analysis for the Switched Interval Time-Delay Systems with Time-Driven Switching Strategy. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-5.	1.1	0
27	Robust Stabilization and Observer-Based Stabilization for a Class of Singularly Perturbed Bilinear Systems. <i>Mathematics</i> , 2021, 9, 2380.	2.2	0