Shu-Mei Guo

List of Publications by Year
in descending order

28 papers	531 citations

1477746

6 h-index	

1058022

14 g-index	

28 all docs	28 docs citations

28 times ranked	527 citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing Differential Evolution Utilizing Eigenvector-Based Crossover Operator. IEEE Transactions on Evolutionary Computation, 2015, 19, 31-49.	7.5	182
2	Improving Differential Evolution With a Successful-Parent-Selecting Framework. IEEE Transactions on Evolutionary Computation, 2015, 19, 717-730.	7.5	145
3	A self-optimization approach for L-SHADE incorporated with eigenvector-based crossover and successful-parent-selecting framework on CEC 2015 benchmark set. , 2015, , .		88
4	State-Space Self-Tuning Control for Stochastic Fractional-Order Chaotic Systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 632-642.	0.1	29
5	Robust observer-based optimal linear quadratic tracker for five-degree-of-freedom sampled-data active magnetic bearing system. International Journal of Systems Science, 2018, 49, 1273-1299.	3.7	22
6	STATEâ€SPACE DIGITAL PID CONTROLLER DESIGN FOR MULTIVARIABLE ANALOG SYSTEMS WITH MULTIPLE TIME DELAYS. Asian Journal of Control, 2006, 8, 161-173.	1.9	17
7	Realization of DCâ€"DC Buck Converter Based on Hybrid ${H_2}$ Model Following Control. IEEE Transactions on Industrial Electronics, 2022, 69, 1782-1790.	5.2	8
8	Adaptive Chattering-Free Sliding Mode Control of Chaotic Systems with Unknown Input Nonlinearity via Smooth Hyperbolic Tangent Function. Mathematical Problems in Engineering, 2019, 2019, 1-9.	0.6	6
9	Visual-Guided Robot Arm Using Multi-Task Faster R-CNN. , 2019, , .		5
10	Evolutionary Fuzzy Block-Matching-Based Camera Raw Image Denoising. IEEE Transactions on Cybernetics, 2017, 47, 2862-2871.	6.2	4
11	Wavelet octave energy for breast tumor classification on sonography : A new shape feature. , 2009, , .		3
12	Intelligent-based PID fault tolerant tracking control for unknown nonlinear MIMO systems. , 2009, , .		3
13	Visual-Guided Robot Arm Using Self-Supervised Deep Convolutional Neural Networks. , 2019, , .		3
14	A PCB Alignment System Using RST Template Matching with CUDA on Embedded GPU Board. Sensors, 2020, 20, 2736.	2.1	3
15	Secure Data Transmission and Image Encryption Based on a Digital-Redesign Sliding Mode Chaos Synchronization. Mathematics, 2022, 10, 518.	1.1	3
16	Adaptive control for nonlinear stochastic hybrid systems with input saturation. , 0, , .		2
17	Predictive Kalman filter-based fault estimator and control for sampled-data linear time-varying systems. , 2010, , .		2
18	Fault-tolerant tracker for a class of unknown interconnected large-scale sampled-data nonlinear systems with input constraint and actuator failure. JVC/Journal of Vibration and Control, 2014, 20, 2417-2442.	1.5	2

#	Article	IF	Citations
19	An efficient SVDD-base boundary method for multiclass classification problems. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2012, 35, 379-389.	0.6	1
20	An Improved Empirical Mode Decomposition Based on Time Scale Allocation Method and the 2D Mode Mixing Phenomenon Judgement. Advances in Data Science and Adaptive Analysis, 2017, 09, 1750002.	0.2	1
21	An effective optimal linear quadratic analog tracker for the system with unknown disturbances. , 2017, , .		1
22	H-Infinity Model Following Control for Uncertain Systems by Using Digital Redesign Sliding Mode Control. IEEE Access, 2020, 8, 147199-147210.	2.6	1
23	Weighted fuzzy ontology for Chinese e-news summarization. , 0, , .		0
24	Enhanced SLCCA Image Compression. , 2006, , .		0
25	Optimal Digital Tracker for Analog Neutral Multiple Time-Delay Systems via Evolutionary Programming and High Gain Approach. , 2007, , .		0
26	Fault-tolerant tracker for a class of unknown interconnected nonlinear systems with input constraint. , 2011, , .		0
27	Effective tracker design based on iterative learning control methodology with input constraint for a class of unknown interconnected large-scale sampled-data nonlinear systems. , 2013, , .		0
28	Tracker design for the unknown sampled-data system consisting of randomly switched multi-subsystems with input constraint. WIT Transactions on Engineering Sciences, 2014, , .	0.0	0