Shubo Wang

List of Publications by Year
in descending order

29 papers	1,175 citations	471509 17 h-index	610901 24 g-index
29 all docs	29 docs citations	29 times ranked	784 citing authors

#	ARTICLE	IF	CITATIONS
1	Extended-State-Observer-Based Funnel Control for Nonlinear Servomechanisms With Prescribed Tracking Performance. IEEE Transactions on Automation Science and Engineering, 2017, 14, 98-108.	5.2	144
2	RISE-Based Asymptotic Prescribed Performance Tracking Control of Nonlinear Servo Mechanisms. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2359-2370.	9.3	124
3	Neural-Network-Based Adaptive Funnel Control for Servo Mechanisms With Unknown Dead-Zone. IEEE Transactions on Cybernetics, 2020, 50, 1383-1394.	9.5	118
4	USDE-Based Sliding Mode Control for Servo Mechanisms With Unknown System Dynamics. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1056-1066.	5.8	118
5	Finite-Time Convergence Adaptive Neural Network Control for Nonlinear Servo Systems. IEEE Transactions on Cybernetics, 2020, 50, 2568-2579.	9.5	102
6	Parameter Estimation and Adaptive Control for Servo Mechanisms With Friction Compensation. IEEE Transactions on Industrial Informatics, 2020, 16, 6816-6825.	11.3	83
7	Adaptive Optimal Parameter Estimation and Control of Servo Mechanisms: Theory and Experiments. IEEE Transactions on Industrial Electronics, 2021, 68, 598-608.	7.9	65
8	Finite-Time Approximation-Free Attitude Control of Quadrotors: Theory and Experiments. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1780-1792.	4.7	54
9	Adaptive Predefined Performance Sliding Mode Control of Motor Driving Systems With Disturbances. IEEE Transactions on Energy Conversion, 2021, 36, 1931-1939.	5.2	50
10	Unknown input observer–based robust adaptive funnel motion control for nonlinear servomechanisms. International Journal of Robust and Nonlinear Control, 2018, 28, 6163-6179.	3.7	47
11	Robust adaptive tracking control for servo mechanisms with continuous friction compensation. Control Engineering Practice, 2019, 87, 76-82.	5.5	41
12	Parameter Estimation-Based Time-Varying Sliding Mode Control for Multimotor Driving Servo Systems. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2330-2341.	5.8	37
13	Unknown Dynamics Estimator-Based Output-Feedback Control for Nonlinear Pure-Feedback Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3832-3843.	9.3	36
14	Modified dynamic surface approach with bias torque for multi-motor servomechanism. Control Engineering Practice, 2016, 50, 57-68.	5.5	31
15	Adaptive dynamic surface control based on fuzzy disturbance observer for drive system with elastic coupling. Journal of the Franklin Institute, 2016, 353, 1899-1919.	3.4	25
16	Neural network-based adaptive funnel sliding mode control for servo mechanisms with friction compensation. Neurocomputing, 2020, 377, 16-26.	5.9	24
17	Asymptotic Tracking Control for Nonaffine Systems With Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 479-483.	3.0	22
18	Finite time parameter estimation-based adaptive predefined performance control for servo mechanisms. ISA Transactions, 2019, 87, 174-186.	5.7	14

#	ARTICLE	IF	CITATIONS
19	Robust tracking and vibration suppression for nonlinear two-inertia system via modified dynamic surface control with error constraint. Neurocomputing, 2016, 203, 73-85.	5.9	10
20	Funnel tracking control for nonlinear servo drive systems with unknown disturbances. ISA Transactions, 2022, 128, 328-335.	5.7	9
21	Adaptive Neural Funnel Control for Nonlinear Two-Inertia Servo Mechanisms With Backlash. IEEE Access, 2019, 7, 33338-33345.	4.2	8
22	Approximation-Free Control for Nonlinear Helicopters With Unknown Dynamics. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3254-3258.	3.0	6
23	Adaptive Barrier Control for Nonlinear Servomechanisms with Friction Compensation. Complexity, 2018, 2018, 1-10.	1.6	3
24	ESO-Based Adaptive Sliding Control for Nonlinear Servo System with Unknown Disturbance and Uncertainties. , 2018, , .		2
25	TSM-Based Adaptive Fuzzy Control of Robotic Manipulators with Output Constraints. Computational Intelligence and Neuroscience, 2021, 2021, 1-11.	1.7	2
26	Adaptive Fuzzy Finite-Time Constraint Control for Attitude Tracking of Rigid Spacecrafts. Lecture Notes in Electrical Engineering, 2022, , 401-411.	0.4	0
27	An Adaptive Finite Time Control for the Electrical Drive with Elastic Coupling. Lecture Notes in Electrical Engineering, 2018, , 585-598.	0.4	0
28	Hopfield Neural Network Identification for Prandtl-Ishlinskii Hysteresis Nonlinear System. Lecture Notes in Electrical Engineering, 2019, , 153-161.	0.4	0
29	Global Output Feedback Control of Strict-Feedback Nonlinear Systems with Prescribed Performance and Applications. , 2021, , .		0