

Shihua Li

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Disturbance-rejection position tracking control of industrial robots via a discrete-time super-twisting observer-based fast terminal sliding mode approach. Transactions of the Institute of Measurement and Control, 2025, 47, 170-181.	2.0	0
2	Robust Predictive Disturbance Observer-Based Repetitive Control for Time-Delay Systems With Application to CVCF Inverters. IEEE Transactions on Industrial Electronics, 2025, 72, 1904-1913.	8.4	1
3	Prescribed-Time Nonsingular Terminal Sliding Mode Control and Its Application in PMSM Servo Systems. IEEE Transactions on Industrial Electronics, 2025, 72, 3072-3081.	8.4	4
4	Active Admittance Control With Iterative Learning for General-Purpose Contact-Rich Manipulation. IEEE Transactions on Industrial Electronics, 2025, 72, 2842-2851.	8.4	0
5	On Recursive Feasibility and Stability of Constrained Output Regulation. IEEE Transactions on Automatic Control, 2025, 70, 1289-1296.	6.9	2
6	Optimal Mismatched Disturbance Rejection Control for Continuous-Time Uncontrollable Systems. IEEE/ASME Transactions on Mechatronics, 2025, 30, 1179-1189.	7.8	0
7	Sampled-Data Based Second-Order Discrete-Time Sliding Mode Control via Output Feedback. International Journal of Robust and Nonlinear Control, 2025, 35, 789-799.	3.4	1
8	MPM: Multi Patterns Memory Model for Short-Term Time Series Forecasting. IEEE Transactions on Knowledge and Data Engineering, 2025, 37, 438-448.	9.5	0
9	Prescribed-time observer-based output feedback stabilisation of switched uncertain planar systems with asymmetric output constraints. International Journal of Control, 2025, 98, 1863-1874.	2.2	0
10	LMFE: Learning-Based Multiscale Feature Engineering in Partial Discharge Detection. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 5848-5856.	12.1	5
11	A Guidance Module Based Formation Control Scheme for Multi-Mobile Robot Systems With Collision Avoidance. IEEE Transactions on Automation Science and Engineering, 2024, 21, 382-393.	8.1	17
12	Adaptive Projection and Fuzzy Tracking Design for Unknown Control Coefficients and References. IEEE Transactions on Cybernetics, 2024, 54, 2235-2243.	12.4	7
13	Recurrent Neural Network Inspired Finite-Time Control Design. IEEE/CAA Journal of Automatica Sinica, 2024, 11, 1527-1529.	13.0	0
14	A Distributionally Robust Optimization Approach to Two-Sided Chance-Constrained Stochastic Model Predictive Control With Unknown Noise Distribution. IEEE Transactions on Automatic Control, 2024, 69, 574-581.	6.9	6
15	GPIO-based nonsingular terminal sliding mode control for high-pressure common rail systems. Transactions of the Institute of Measurement and Control, 2024, 46, 678-689.	2.0	1
16	Multi-Frequency-Band Uncertainties Rejection Control of Flexible Gimbal Servo Systems via a Comprehensive Disturbance Observer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2024, 71, 794-804.	5.5	4
17	Mismatched disturbance compensation enhanced robust H^∞ control for systems with nonvanishing uncertainties/disturbances. International Journal of Robust and Nonlinear Control, 2024, 34, 1845-1863.	3.4	1
18	Further Results on Fast Finite-Time Stability Criteria and Its Application in Circuit System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2024, 71, 2284-2288.	3.4	0

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19	Dynamic Event-Triggered Disturbance Rejection Control for Speed Regulation of Networked PMSM. IEEE Transactions on Industrial Informatics, 2024, 20, 6436-6445.	12.0	5
20	An Output Voltage Tracking Control Method With Overcurrent Protection Property for Disturbed DC-DC Boost Converters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2024, 71, 1889-1900.	5.5	1
21	Node Task Expansion Based Finite-Time Formation-Containment Control for Ground-Air Collaboration Systems. IEEE Transactions on Network Science and Engineering, 2024, 11, 3346-3357.	7.9	1
22	Optimal Speed Tracking Control of PMSM via Inverse Optimal Composite Controller. IEEE Transactions on Circuits and Systems II: Express Briefs, 2024, 71, 3880-3884.	3.4	1
23	Recursive integral terminal sliding mode control with combined extended state observer and adaptive Kalman filter for MEMS gyroscopes. International Journal of Robust and Nonlinear Control, 2024, 34, 5706-5718.	3.4	2
24	Composite Current-Constrained Control of Stand-Alone Three-Phase Inverters Under Multiple Load Conditions. IEEE Transactions on Power Electronics, 2024, 39, 7876-7889.	7.3	2
25	Multistep Dual Control for Exploration and Exploitation in Autonomous Search With Convergence Guarantee. IEEE Transactions on Industrial Informatics, 2024, 20, 8207-8217.	12.0	1
26	Finite-Time Disturbance Rejection Control for Rigid Spacecraft Attitude Set Stabilization With Actuator Saturation. IEEE Transactions on Aerospace and Electronic Systems, 2024, 60, 4910-4922.	5.3	2
27	Fuzzy functional observer-based sliding mode control for fuzzy cyber-physical systems subject to disturbances and deception attacks. IET Control Theory and Applications, 2024, 18, 2062-2074.	2.6	1
28	Safe Autonomous Docking of Spacecraft: A RRT-combined Output-constrained Recursive Control Method. Research on World Agricultural Economy, 2024, 04, .	1.3	0
29	Prescribed Performance Motion Control: A Control Barrier Function Approach. IEEE Transactions on Industrial Electronics, 2024, 71, 16377-16387.	8.4	2
30	Robust Safe Motion Control for Compliantly Actuated Robots via Disturbance Observers. IEEE/ASME Transactions on Mechatronics, 2024, 29, 2794-2802.	7.8	2
31	Safety-Critical Disturbance Rejection Control of Overhead Crane Systems: Methods and Experimental Validation. IEEE Transactions on Control Systems Technology, 2024, 32, 2253-2266.	5.0	1
32	Robust Visual Landing Control of Quadrotor on a Moving Platform: A Sampled-Data Approach With Delayed Output and Disturbances. IEEE Transactions on Control Systems Technology, 2024, 32, 2283-2297.	5.0	1
33	Anti-disturbance inverse optimal control for systems with disturbances. Optimal Control Applications and Methods, 2023, 44, 1321-1340.	2.0	10
34	Robustly String Stable Longitudinal Control for Vehicle Platoons Under Communication Failures: A Generalized Extended State Observer-Based Control Approach. IEEE Transactions on Intelligent Vehicles, 2023, 8, 159-171.	14.8	45
35	Predictor-Based Global Sampled-Data Output Feedback Stabilization for Nonlinear Uncertain Systems Subject to Delayed Output. IEEE Transactions on Automatic Control, 2023, 68, 1839-1846.	6.9	19
36	Sliding-Mode-Based Robust Output Regulation and Its Application in PMSM Servo Systems. IEEE Transactions on Industrial Electronics, 2023, 70, 1852-1860.	8.4	28

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37	Disturbance observer-based tracking control with prescribed performance specifications for a class of nonlinear systems subject to mismatched disturbances. Asian Journal of Control, 2023, 25, 359-370.	2.7	15
38	Predictor-Based Extended State Observer for Disturbance Rejection Control of Multirate Systems With Measurement Delay. IEEE Transactions on Industrial Electronics, 2023, 70, 3003-3012.	8.4	16
39	Formation Control for Leader-Follower Wheeled Mobile Robots Based on Embedded Control Technique. IEEE Transactions on Control Systems Technology, 2023, 31, 265-280.	5.0	29
40	Chattering-free discrete-time sliding mode control for integrated missile guidance and control system. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Aerospace Engineering, 2023, 237, 1546-1556.	1.2	3
41	Global Finite-Time Stabilization of Spacecraft Attitude With Disturbances via Continuous Nonlinear Controller. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 2608-2620.	5.3	10
42	Finite-Time Discontinuous Control of Nonholonomic Chained-Form Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 2001-2005.	3.4	6
43	Prescribed-Time Second-Order Sliding Mode Controller Design Subject to Mismatched Term. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 1976-1980.	3.4	11
44	Mismatched Disturbance Compensation Enhanced Robust H_{∞} Control for the DC-DC Boost Converter Feeding Constant Power Loads. IEEE Transactions on Energy Conversion, 2023, 38, 1300-1310.	5.8	13
45	Robust Temporal Logic Motion Control via Disturbance Observers. IEEE Transactions on Industrial Electronics, 2023, 70, 8286-8295.	8.4	11
46	ADP-Based Optimal Control for Systems With Mismatched Disturbances: A PMSM Application. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 2057-2061.	3.4	16
47	A New Alternating Predictive Observer Approach for Higher Bandwidth Control of Dual-Rate Dynamic Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 2525-2529.	3.4	3
48	Single-Loop Robust Model Predictive Speed Regulation of PMSM Based on Exogenous Signal Preview. IEEE Transactions on Industrial Electronics, 2023, 70, 12719-12729.	8.4	30
49	Co-design of memorized controllers for global sampled-data stabilization a class of nonlinear system with input delay. IET Control Theory and Applications, 2023, 17, 1242-1254.	2.6	1
50	Composite finite-time control for PMSM with prescribed performance using disturbance compensation technique. Control Engineering Practice, 2023, 141, 105677.	5.2	14
51	Decentralized inverse optimal control for interconnected systems. Journal of the Franklin Institute, 2023, 360, 13033-13050.	3.8	0
52	Neural Network Learning-Based Control for Nonlinear Systems With Time-Varying Powers. , 2023, 7, 3579-3584.		0
53	Feedback Linearization-Based Perimeter Controllers for Oversaturated Regions. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 187-197.	5.0	12
54	Toward Sensorless Interaction Force Estimation for Industrial Robots Using High-Order Finite-Time Observers. IEEE Transactions on Industrial Electronics, 2022, 69, 7275-7284.	8.4	46

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55	Predictor-Based Periodic Event-Triggered Control for Dual-Rate Networked Control Systems With Disturbances. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 8179-8190.	12.4	32
56	A Modular Optimal Formation Control Scheme of Multiagent Systems With Application to Multiple Mobile Robots. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 9331-9341.	8.4	51
57	A Model-Based Unmatched Disturbance Rejection Control Approach for Speed Regulation of a Converter-Driven DC Motor Using Output-Feedback. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022, 9, 365-376.	13.0	19
58	Composite Control Design for Systems With Uncertainties and Noise Using Combined Extended State Observer and Kalman Filter. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 4119-4128.	8.4	67
59	Finite-Time Output Feedback Stabilization for a Class of Output-Constrained Planar Switched Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 164-168.	3.4	17
60	Active Disturbance Rejection Control Design With Suppression of Sensor Noise Effects in Application to DC-DC Buck Power Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 816-824.	8.4	99
61	On event-triggered nonsmooth attitude tracking controller for a rigid spacecraft. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 900-916.	3.4	10
62	Signal generator based finite-time formation control for disturbed heterogeneous multi-agent systems. <i>Journal of the Franklin Institute</i> , 2022, 359, 1041-1061.	3.8	16
63	Periodic Event-Triggered Control for a Class of Nonminimum-Phase Nonlinear Systems Using Dynamic Triggering Mechanism. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022, 69, 1302-1311.	5.5	21
64	Sampled-data robust visual servoing control for moving target tracking of an inertially stabilized platform with a measurement delay. <i>Automatica</i> , 2022, 137, 110105.	6.1	13
65	Adaptive output regulation for cyber-physical systems under time-delay attacks. <i>Control Theory and Technology</i> , 2022, , .	1.5	1
66	Finite-Time Distributed Approximate Optimization Algorithms of Higher Order Multiagent Systems via Penalty-Function-Based Method. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 6174-6182.	9.5	23
67	Nonsmooth Observer-Based Sensorless Speed Control for Permanent Magnet Synchronous Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 13514-13523.	8.4	18
68	Global finite-time set stabilization of spacecraft attitude with disturbances using second-order sliding mode control. <i>Nonlinear Dynamics</i> , 2022, 108, 1305-1318.	5.3	23
69	A Finite-Time Observer-Based Identification of Sinusoidal Signal With Unknown Frequency. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 7435-7443.	12.0	8
70	Finite time observer-based super-twisting sliding mode control for vehicle platoons with guaranteed strong string stability. <i>IET Intelligent Transport Systems</i> , 2022, 16, 1726-1737.	2.9	13
71	A Label-Free Colorimetric Assay Based on Gold Nanoparticles for the Detection of H ₂ O ₂ and Glucose. <i>Chemosensors</i> , 2022, 10, 100.	3.6	10
72	Prediction Method for Fine Particle Loss Rate of Sandy Soil under Suffusion. <i>KSCE Journal of Civil Engineering</i> , 2022, 26, 2600-2609.	1.9	4

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73	Robust Tracking Control for Electrohydraulic System Using an Internal Model-Based Sliding Surface. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2022, 144, .	1.4	0
74	Disturbance observer based inverse optimal control for a class of nonlinear systems. Neurocomputing, 2022, 500, 821-831.	7.2	11
75	Robust Voltage Regulation for DC-DC Converters via a Predictive GPIO-Based Control Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4864-4868.	3.4	4
76	Selective Periodic Disturbance Elimination Using Extended Harmonic State Observer for Smooth Speed Control in PMSM Drives. IEEE Transactions on Power Electronics, 2022, 37, 13288-13298.	7.3	30
77	Finite-time tracking control for second-order nonlinear systems with prescribed performance subject to mismatched disturbances. International Journal of Robust and Nonlinear Control, 2022, 32, 10309-10325.	3.4	9
78	Distributed Finite-Time Optimization for Disturbed Second-Order Multiagent Systems. IEEE Transactions on Cybernetics, 2021, 51, 4634-4647.	12.4	81
79	A Disturbance Observer-Based Current-Constrained Controller for Speed Regulation of PMSM Systems Subject to Unmatched Disturbances. IEEE Transactions on Industrial Electronics, 2021, 68, 767-775.	8.4	128
80	Invariant Manifold Based Output-Feedback Sliding Mode Control for Systems With Mismatched Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 933-937.	3.4	16
81	Robust converter-fed motor control based on active rejection of multiple disturbances. Control Engineering Practice, 2021, 107, 104696.	5.2	32
82	Estimate-Based Dynamic Event-Triggered Output Feedback Control of Networked Nonlinear Uncertain Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3148-3158.	9.5	45
83	Fe-Mn Oxides Based Multifunctional Adsorptive/Electrosensing Nanoplatfoms: Dynamic Site Rearrangement for Metal Ion Selectivity. Environmental Science & Technology, 2021, 55, 3967-3975.	11.3	6
84	Robust predictive visual servoing control for an inertially stabilized platform with uncertain kinematics. ISA Transactions, 2021, 114, 347-358.	6.4	26
85	A Lyapunov-Based Approach for Recursive Continuous Higher Order Nonsingular Terminal Sliding-Mode Control. IEEE Transactions on Automatic Control, 2021, 66, 4424-4431.	6.9	25
86	A pendant droplet-based sensor for the detection of acetylcholinesterase and its inhibitors. Chemical Communications, 2021, 57, 8909-8912.	4.2	7
87	Design of Output-Based Finite-Time Convergent Composite Controller for a Class of Perturbed Second-Order Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6768-6778.	9.5	23
88	On Disturbance Rejection for Gimbal Servo System of Flexible Mounting Control Moment Gyroscope. , 2021, , .		1
89	Event-triggered state feedback control for p -normal uncertain nonlinear systems. International Journal of Systems Science, 2021, 52, 1284-1296.	4.9	2
90	Non-singular Fast Terminal Sliding Mode Tracking Control of a 2-DOF Robotic Manipulator Using Finite-Time Extended State Observer. , 2021, 39, 4713-4718.		3

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91	Output feedback based high-order sliding mode control design of electrohydraulic system using an exact differentiator. , 2021, 3, 759-764.		0
92	Seismocardiographic Signals Detection Based on Circulant Singular Spectrum Analysis through Millimeter Wave Radar. , 2021, 4, 720-724.		1
93	Finite-Time Sliding Mode Control for DC-DC Buck Converters Subject to Time-Varying Disturbances. , 2021, 13, 7806-7811.		0
94	Finite-Time Continuous Terminal Sliding-Mode Speed Control of Micro Gas Turbine System with Mismatched Disturbances. , 2021, , .		1
95	Single-Loop Robust Predictive Speed Control of PMSM System with Overcurrent Protection: A Disturbance Preview Approach. , 2021, , 645-650.		14
96	Sliding Mode Control for Nanomanipulation System with Disturbance Compensation Based on Inverse System Decoupling Algorithm. , 2021, 35, 1-6.		2
97	Realization of Exact Tracking Control for Nonlinear Systems via a Nonrecursive Dynamic Design. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 577-589.	9.5	16
98	Output-Based Dynamic Event-Triggered Mechanisms for Disturbance Rejection Control of Networked Nonlinear Systems. IEEE Transactions on Cybernetics, 2020, 50, 1978-1988.	12.4	57
99	Study of the basement structure load under the dynamic loading of heavy-haul railway tunnel. International Journal of Pavement Engineering, 2020, 21, 1362-1373.	3.5	8
100	Disturbance Rejection for Nonlinear Uncertain Systems With Output Measurement Errors: Application to a Helicopter Model. IEEE Transactions on Industrial Informatics, 2020, 16, 3133-3144.	12.0	24
101	Nonlinearity Estimator-Based Control of A Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2020, 65, 2230-2236.	6.9	31
102	Modeling and Robust Continuous TSM Control for an Inertially Stabilized Platform With Couplings. IEEE Transactions on Control Systems Technology, 2020, 28, 2548-2555.	5.0	32
103	Semiglobal Finite-Time Trajectory Tracking Realization for Disturbed Nonlinear Systems via Higher-Order Sliding Modes. IEEE Transactions on Automatic Control, 2020, 65, 2185-2191.	6.9	40
104	Discrete-Time Fast Terminal Sliding Mode Control Design for DC-DC Buck Converters With Mismatched Disturbances. IEEE Transactions on Industrial Informatics, 2020, 16, 1204-1213.	12.0	130
105	Reduced-order GPIO based dynamic event-triggered tracking control of a networked one-DOF link manipulator without velocity measurement. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 725-734.	13.0	17
106	Semiglobal output feedback control for uncertain nontriangular nonlinear systems with sector-bounded unknown measurement. International Journal of Robust and Nonlinear Control, 2020, 30, 1-16.	3.4	8
107	Continuous Nonsingular Terminal Sliding Mode Control of DC-DC Boost Converters Subject to Time-Varying Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2552-2556.	3.4	74
108	Universal finite-time observer based second-order sliding mode control for DC-DC buck converters with only output voltage measurement. Journal of the Franklin Institute, 2020, 357, 11863-11879.	3.8	24

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109	Distributed Optimization for Disturbed Second-Order Multiagent Systems Based on Active Antidisturbance Control. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2104-2117.	12.1	54
110	A distributed fixed-time optimization algorithm for multi-agent systems. Automatica, 2020, 122, 109289.	6.1	98
111	Event-triggered output consensus disturbance rejection algorithm for multi-agent systems with time-varying disturbances. Journal of the Franklin Institute, 2020, 357, 12870-12885.	3.8	17
112	Disturbance observer-based autonomous landing control of unmanned helicopters on moving shipboard. Nonlinear Dynamics, 2020, 102, 131-150.	5.3	11
113	Composite Single-Loop Model Predictive Control Design for PMSM Servo System Speed Regulation Based on Disturbance Observer. , 2020, 32, 2886-2892.		16
114	Nonsingular Terminal Sliding Mode Control for PMSM Servo System Based on Backlash Compensation and High-order Sliding Mode Observer. , 2020, 2, 2873-2878.		5
115	Finite-time tracking control for a class of nonlinear systems with multiple mismatched disturbances. International Journal of Robust and Nonlinear Control, 2020, 30, 4095-4111.	3.4	22
116	Effects of ambient pressure on smoke movement patterns in vertical shafts in tunnel fires with natural ventilation systems. Building Simulation, 2020, 13, 931-941.	4.9	32
117	Event-triggered tracking control for nonlinear systems subject to time-varying external disturbances. Automatica, 2020, 119, 109070.	6.1	45
118	Distributed Finite-Time Optimization for Integrator Chain Multiagent Systems With Disturbances. IEEE Transactions on Automatic Control, 2020, 65, 5296-5311.	6.9	143
119	Composite control of fuel quantity actuator system for diesel engines via backstepping control technique and generalised proportional integral observer. IET Control Theory and Applications, 2020, 14, 605-613.	2.6	5
120	On the Actuator Dynamics of Dynamic Control Allocation for a Small Fixed-Wing UAV With Direct Lift Control. IEEE Transactions on Control Systems Technology, 2020, 28, 984-991.	5.0	38
121	Finite-time path following control for small-scale fixed-wing UAVs under wind disturbances. Journal of the Franklin Institute, 2020, 357, 7879-7903.	3.8	29
122	Continuous dynamic sliding mode control of converter-fed DC motor system with high order mismatched disturbance compensation. Transactions of the Institute of Measurement and Control, 2020, 42, 2812-2821.	2.0	24
123	Consensus control of higher-order Lipschitz nonlinear multi-agent systems based on backstepping method. IET Control Theory and Applications, 2020, 14, 490-498.	2.6	19
124	Composite sliding-mode consensus algorithms for higher-order multi-agent systems subject to disturbances. IET Control Theory and Applications, 2020, 14, 291-303.	2.6	10
125	Finite-time consensus algorithms of leader-follower higher-order multi-agent systems with uncertain nonlinearities. Journal of the Franklin Institute, 2020, 357, 11939-11952.	3.8	19
126	Active disturbance rejection control of torsional plant with unknown frequency harmonic disturbance. Control Engineering Practice, 2020, 100, 104413.	5.2	49

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127	Immersion and Invariance-based Sliding Mode Attitude Control of Tilt Tri-rotor UAV in Helicopter Mode. International Journal of Control, Automation and Systems, 2020, 19, 722-735.	2.9	16
128	Surface modification via 2-thenoyltrifluoroacetone and the photophysical studies. Chemical Papers, 2020, 75, 873-881.	2.3	3
129	Reduced-order Generalized Proportional Integral Observer Based Continuous Dynamic Sliding Mode Control for Magnetic Levitation System with Time-varying Disturbances. International Journal of Control, Automation and Systems, 2020, 19, 439-448.	2.9	5
130	Extended State based Kalman Filter for Uncertain Systems with Bias. IFAC-PapersOnLine, 2020, 53, 2299-2304.	1.1	4
131	Non-linear disturbance observer enhanced MPC for motion control systems with multiple disturbances. IET Control Theory and Applications, 2020, 14, 63-72.	2.6	31
132	Friction-Compensation and Extended State Observer Based Model Predictive Control for PMSM Servo Systems. IEEJ Journal of Industry Applications, 2020, 9, 351-357.	1.8	10
133	Robust Output-Constrained Control for Position Tracking of Piezoelectric Actuator Systems with Disturbances. , 2020, 14, 418-423.		0
134	A Simple Current-Constrained Controller for Permanent-Magnet Synchronous Motor. IEEE Transactions on Industrial Informatics, 2019, 15, 1486-1495.	12.0	78
135	A New Second-Order Sliding Mode and Its Application to Nonlinear Constrained Systems. IEEE Transactions on Automatic Control, 2019, 64, 2545-2552.	6.9	171
136	Sliding Mode Control of Converter-fed DC Motor with Mismatched Load Torque Compensation. , 2019, , .		12
137	DOB-Based Generalized Predictive Cross-Coupling Position Control for Biaxial System. , 2019, 35, 1-6.		2
138	Finite-time control for double-layer Peltier system based on finite-time observer. Advances in Mechanical Engineering, 2019, 11, .	1.8	4
139	Output feedback based simultaneous stabilization of two Port-controlled Hamiltonian systems with disturbances. Journal of the Franklin Institute, 2019, 356, 8154-8166.	3.8	20
140	Robust Finite-Time Trajectory Tracking Control of Wheeled Mobile Robots with Parametric Uncertainties and Disturbances. Journal of Systems Science and Complexity, 2019, 32, 1358-1374.	2.6	32
141	Experimental Study on Bond-Slip Behavior between Corroded I-Shaped Steel and Concrete in Subsea Tunnel. Materials, 2019, 12, 2863.	2.9	8
142	Two composite guidance laws based on the backstepping control and disturbance observers with autopilot lag. Transactions of the Institute of Measurement and Control, 2019, 41, 2957-2969.	2.0	4
143	Output feedback continuous terminal sliding mode guidance law for missile-target interception with autopilot dynamics. Aerospace Science and Technology, 2019, 86, 256-267.	5.5	48
144	Research on the Earth Pressure and Internal Force of a High-Fill Open-Cut Tunnel Using a Bilayer Lining Design: A Field Test Using an FBG Automatic Data Acquisition System. Sensors, 2019, 19, 1487.	4.0	10

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145	Finite-time boundedness and finite-time weighted H_2 -gain analysis for a class of neutral type switched systems with time-varying delays. International Journal of Systems Science, 2019, 50, 1703-1717.	4.9	7
146	Expression of AHI1 Rescues Amyloidogenic Pathology in Alzheimer's Disease Model Cells. Molecular Neurobiology, 2019, 56, 7572-7582.	3.8	14
147	Globally exponential stabilization for a class of nonlinear systems with time delays both in nonlinearities and input. Applied Mathematics and Computation, 2019, 359, 478-489.	1.9	7
148	GPI observer-based composite current-constrained control approach for DC-DC buck converters. Journal of Engineering, 2019, 2019, 581-586.	0.9	3
149	Three-dimensional suboptimal guidance law based on H_∞ technique and nonlinear disturbance observer. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 5122-5133.	1.2	4
150	Predictive control for visual servoing control of cyber physical systems with packet loss. Peer-to-Peer Networking and Applications, 2019, 12, 1774-1784.	3.1	6
151	Mutant Ahi1 Affects Retinal Axon Projection in Zebrafish via Toxic Gain of Function. Frontiers in Cellular Neuroscience, 2019, 13, .	3.5	7
152	Adaptive finite-time practical consensus protocols for second-order multiagent systems with nonsymmetric input dead zone and uncertain dynamics. Journal of the Franklin Institute, 2019, 356, 3217-3244.	3.8	24
153	GPIO-based rail pressure control for diesel high pressure common rail injection system. Journal of Engineering, 2019, 2019, 8293-8298.	0.9	5
154	Height and attitude tracking control of an unmanned helicopter via a HDOB-backstepping composite control method. Journal of Engineering, 2019, 2019, 8303-8309.	0.9	1
155	Nonsingular Terminal Sliding Mode Control for Fuel Quantity Actuator System Using High-order Sliding Mode Observer. , 2019, 35, 6784-6789.		1
156	Observer-Based Output Feedback Stabilization for Perturbed Second-Order Uncertain System with Finite-Time Convergence. , 2019, 60, 612-617.		1
157	An Offset-free Model Predictive Controller for DC/DC Boost Converter Feeding Constant Power Loads in DC Microgrids. , 2019, 6, 4045-4049.		6
158	Sliding Mode Control with Extended State Observer for Multi-axis Motion Control System. , 2019, 32, 3196-3201.		3
159	Composite block backstepping trajectory tracking control for disturbed unmanned helicopters. Aerospace Science and Technology, 2019, 85, 386-398.	5.5	35
160	Robust Predictive Speed Regulation of Converter-Driven DC Motors via a Discrete-Time Reduced-Order GPIO. IEEE Transactions on Industrial Electronics, 2019, 66, 7893-7903.	8.4	92
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