Shihua Li

List of Publications by Year in descending order

652 papers	29,648 citations	5558 82 h-index	7333 152 g-index
658 all docs	658 docs citations	658 times ranked	15967 citing authors

#	Article	IF	Citations
1	Disturbance-Observer-Based Control and Related Methodsâ€”An Overview. IEEE Transactions on Industrial Electronics, 2016, 63, 1083-1095.	5.2	1,951
2	Sliding-Mode Control for Systems With Mismatched Uncertainties via a Disturbance Observer. IEEE Transactions on Industrial Electronics, 2013, 60, 160-169.	5.2	1,072
3	Finite-time consensus algorithm for multi-agent systems with double-integrator dynamics. Automatica, 2011, 47, 1706-1712.	3.0	788
4	Finite-Time Attitude Tracking Control of Spacecraft With Application to Attitude Synchronization. IEEE Transactions on Automatic Control, 2011, 56, 2711-2717.	3.6	649
5	Generalized Extended State Observer Based Control for Systems With Mismatched Uncertainties. IEEE Transactions on Industrial Electronics, 2012, 59, 4792-4802.	5.2	646
6	Speed Control for PMSM Servo System Using Predictive Functional Control and Extended State Observer. IEEE Transactions on Industrial Electronics, 2012, 59, 1171-1183.	5.2	629
7	Adaptive Speed Control for Permanent-Magnet Synchronous Motor System With Variations of Load Inertia. IEEE Transactions on Industrial Electronics, 2009, 56, 3050-3059.	5.2	545
8	Continuous nonsingular terminal sliding mode control for systems with mismatched disturbances. Automatica, 2013, 49, 2287-2291.	3.0	503
9	Disturbance/Uncertainty Estimation and Attenuation Techniques in PMSM Drivesâ€”A Survey. IEEE Transactions on Industrial Electronics, 2017, 64, 3273-3285.	5.2	453
10	Design and Implementation of Terminal Sliding Mode Control Method for PMSM Speed Regulation System. IEEE Transactions on Industrial Informatics, 2013, 9, 1879-1891.	7.2	379
11	Distributed Finite-Time Containment Control for Double-Integrator Multiagent Systems. IEEE Transactions on Cybernetics, 2014, 44, 1518-1528.	6.2	321
12	Non-linear disturbance observer-based robust control for systems with mismatched disturbances/uncertainties. IET Control Theory and Applications, 2011, 5, 2053-2062.	1.2	308
13	Nonlinear-Disturbance-Observer-Based Robust Flight Control for Airbreathing Hypersonic Vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1263-1275.	2.6	304
14	Finite-time consensus and collision avoidance control algorithms for multiple AUVs. Automatica, 2013, 49, 3359-3367.	3.0	295
15	Model-Based Predictive Direct Control Strategies for Electrical Drives: An Experimental Evaluation of PTC and PCC Methods. IEEE Transactions on Industrial Informatics, 2015, 11, 671-681.	7.2	293
16	CRISPR/Cas9-mediated gene editing ameliorates neurotoxicity in mouse model of Huntingtonâ€™s disease. Journal of Clinical Investigation, 2017, 127, 2719-2724.	3.9	282
17	Chattering-free discrete-time sliding mode control. Automatica, 2016, 68, 87-91.	3.0	257
18	Extended state observerâ€based sliding mode control for PWMâ€based DCâ€“DC buck power converter systems with mismatched disturbances. IET Control Theory and Applications, 2015, 9, 579-586.	1.2	250

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19	Exponential stabilization of nonholonomic dynamic systems by smooth time-varying control. Automatica, 2002, 38, 1139-1146.	3.0	242
20	High-Order Mismatched Disturbance Compensation for Motion Control Systems Via a Continuous Dynamic Sliding-Mode Approach. IEEE Transactions on Industrial Informatics, 2014, 10, 604-614.	7.2	233
21	A Huntingtin Knockin Pig Model Recapitulates Features of Selective Neurodegeneration in Huntingtonâ€™s Disease. Cell, 2018, 173, 989-1002.e13.	13.5	231
22	Stability analysis for discrete-time switched time-delay systems. Automatica, 2009, 45, 2265-2271.	3.0	217
23	Finite-time stability of cascaded time-varying systems. International Journal of Control, 2007, 80, 646-657.	1.2	210
24	Fuzzy Adaptive Internal Model Control Schemes for PMSM Speed-Regulation System. IEEE Transactions on Industrial Informatics, 2012, 8, 767-779.	7.2	209
25	Functional disruption of the dystrophin gene in rhesus monkey using CRISPR/Cas9. Human Molecular Genetics, 2015, 24, 3764-3774.	1.4	209
26	Finite time integral sliding mode control of hypersonic vehicles. Nonlinear Dynamics, 2013, 73, 229-244.	2.7	207
27	Continuous Finite-Time Output Regulation for Disturbed Systems Under Mismatching Condition. IEEE Transactions on Automatic Control, 2015, 60, 277-282.	3.6	207
28	Simple homogeneous sliding-mode controller. Automatica, 2016, 67, 22-32.	3.0	198
29	Robust control of nonlinear MAGLEV suspension system with mismatched uncertainties via DOBC approach. ISA Transactions, 2011, 50, 389-396.	3.1	194
30	Finite-Time Attitude Stabilization for a Spacecraft Using Homogeneous Method. Journal of Guidance, Control, and Dynamics, 2012, 35, 740-748.	1.6	188
31	Second-order sliding mode controller design subject to mismatched term. Automatica, 2017, 77, 388-392.	3.0	188
32	Design of a Prediction-Accuracy-Enhanced Continuous-Time MPC for Disturbed Systems via a Disturbance Observer. IEEE Transactions on Industrial Electronics, 2015, 62, 5807-5816.	5.2	186
33	Distributed Active Anti-Disturbance Consensus for Leader-Follower Higher-Order Multi-Agent Systems With Mismatched Disturbances. IEEE Transactions on Automatic Control, 2017, 62, 5795-5801.	3.6	181
34	Robust Control for PWM-Based DCâ€“DC Buck Power Converters With Uncertainty Via Sampled-Data Output Feedback. IEEE Transactions on Power Electronics, 2015, 30, 504-515.	5.4	172
35	Robust Speed Regulation for PMSM Servo System With Multiple Sources of Disturbances via an Augmented Disturbance Observer. IEEE/ASME Transactions on Mechatronics, 2018, 23, 769-780.	3.7	170
36	Nonlinear disturbance observer-based control for multi-input multi-output nonlinear systems subject to mismatching condition. International Journal of Control, 2012, 85, 1071-1082.	1.2	169

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37	Finiteâ€time formation control of multiple nonholonomic mobile robots. International Journal of Robust and Nonlinear Control, 2014, 24, 140-165.	2.1	169
38	Finite-time boundedness and L2-gain analysis for switched delay systems with norm-bounded disturbance. Applied Mathematics and Computation, 2011, 217, 5982-5993.	1.4	168
39	Stabilization of the attitude of a rigid spacecraft with external disturbances using finite-time control techniques. Aerospace Science and Technology, 2009, 13, 256-265.	2.5	167
40	Nonsmooth stabilization of a class of nonlinear cascaded systems. Automatica, 2012, 48, 2597-2606.	3.0	166
41	Discrete-Time Terminal Sliding Mode Control Systems Based on Euler's Discretization. IEEE Transactions on Automatic Control, 2014, 59, 546-552.	3.6	163
42	Finite-time consensus of multiple nonholonomic chained-form systems based on recursive distributed observer. Automatica, 2015, 62, 236-242.	3.0	162
43	A New Second-Order Sliding Mode and Its Application to Nonlinear Constrained Systems. IEEE Transactions on Automatic Control, 2019, 64, 2545-2552.	3.6	159
44	Multi-rate distributed fusion estimation for sensor networks with packet losses. Automatica, 2012, 48, 2016-2028.	3.0	157
45	Attitude synchronization control for a group of flexible spacecraft. Automatica, 2014, 50, 646-651.	3.0	157
46	Uplink Scheduling and Link Adaptation for Narrowband Internet of Things Systems. IEEE Access, 2017, 5, 1724-1734.	2.6	152
47	Recursive design of finite-time convergent observers for a class of time-varying nonlinear systems. Automatica, 2013, 49, 601-609.	3.0	149
48	Fault-Tolerant Control of Dual Three-Phase Permanent-Magnet Synchronous Machine Drives Under Open-Phase Faults. IEEE Transactions on Power Electronics, 2017, 32, 2052-2063.	5.4	148
49	Micelle Formation of Long-Chain Imidazolium Ionic Liquids in Aqueous Solution Measured by Isothermal Titration Microcalorimetry. Journal of Chemical & Engineering Data, 2010, 55, 147-151.	1.0	144
50	Global set stabilisation of the spacecraft attitude using finite-time control technique. International Journal of Control, 2009, 82, 822-836.	1.2	140
51	Expression of Huntington's disease protein results in apoptotic neurons in the brains of cloned transgenic pigs. Human Molecular Genetics, 2010, 19, 3983-3994.	1.4	140
52	Accumulation of N-terminal mutant huntingtin in mouse and monkey models implicated as a pathogenic mechanism in Huntington's disease. Human Molecular Genetics, 2008, 17, 2738-2751.	1.4	139
53	Disturbance observer based multi-variable control of ball mill grinding circuits. Journal of Process Control, 2009, 19, 1205-1213.	1.7	138
54	Mutant Huntingtin Downregulates Myelin Regulatory Factor-Mediated Myelin Gene Expression and Affects Mature Oligodendrocytes. Neuron, 2015, 85, 1212-1226.	3.8	138

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55	Disturbance rejection of ball mill grinding circuits using DOB and MPC. Powder Technology, 2010, 198, 219-228.	2.1	136
56	Finite-Time Output Feedback Tracking Control for Autonomous Underwater Vehicles. IEEE Journal of Oceanic Engineering, 2015, 40, 727-751.	2.1	133
57	Optimized Active Disturbance Rejection Control for DC-DC Buck Converters With Uncertainties Using a Reduced-Order GPI Observer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 832-841.	3.5	132
58	Attitude Synchronization for Flexible Spacecraft With Communication Delays. IEEE Transactions on Automatic Control, 2016, 61, 3625-3630.	3.6	124
59	Continuous Fast Nonsingular Terminal Sliding Mode Control of Automotive Electronic Throttle Systems Using Finite-Time Exact Observer. IEEE Transactions on Industrial Electronics, 2018, 65, 7160-7172.	5.2	124
60	A speed control for a PMSM using finite-time feedback control and disturbance compensation. Transactions of the Institute of Measurement and Control, 2010, 32, 170-187.	1.1	122
61	Ablation of huntingtin in adult neurons is nondeleterious but its depletion in young mice causes acute pancreatitis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3359-3364.	3.3	120
62	Efficient and Selective Removal of Dyes Using Imidazolium-Based Supramolecular Gels. ACS Applied Materials & Interfaces, 2015, 7, 10258-10265.	4.0	119
63	Global sampled-data output feedback stabilization for a class of uncertain nonlinear systems. Automatica, 2019, 99, 403-411.	3.0	111
64	Global stabilization of a class of upperâ€triangular systems with unbounded or uncontrollable linearizations. International Journal of Robust and Nonlinear Control, 2011, 21, 271-294.	2.1	108
65	Promoting Cas9 degradation reduces mosaic mutations in non-human primate embryos. Scientific Reports, 2017, 7, 42081.	1.6	106
66	Finite time synchronization of chaotic systems. Chaos, Solitons and Fractals, 2003, 15, 303-310.	2.5	102
67	Periodic event-triggered robust output feedback control for nonlinear uncertain systems with time-varying disturbance. Automatica, 2018, 94, 324-333.	3.0	101
68	Sampled-Data-Based Event-Triggered Active Disturbance Rejection Control for Disturbed Systems in Networked Environment. IEEE Transactions on Cybernetics, 2019, 49, 556-566.	6.2	101
69	Distributed active anti-disturbance output consensus algorithms for higher-order multi-agent systems with mismatched disturbances. Automatica, 2016, 74, 30-37.	3.0	100
70	Robust consensus algorithm for second-order multi-agent systems with external disturbances. International Journal of Control, 2012, 85, 1913-1928.	1.2	98
71	Design and Implementation of Disturbance Compensation-Based Enhanced Robust Finite Control Set Predictive Torque Control for Induction Motor Systems. IEEE Transactions on Industrial Informatics, 2017, 13, 2645-2656.	7.2	98
72	Distributed Finite-Time Optimization for Integrator Chain Multiagent Systems With Disturbances. IEEE Transactions on Automatic Control, 2020, 65, 5296-5311.	3.6	98

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73	Finite-time tracking control of multiple nonholonomic mobile robots. Journal of the Franklin Institute, 2012, 349, 2834-2860.	1.9	92
74	Robust Autopilot Design for Bank-to-Turn Missiles using Disturbance Observers. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 558-579.	2.6	92
75	Global Stabilization of a Class of Feedforward Systems with Lower-Order Nonlinearities. IEEE Transactions on Automatic Control, 2010, 55, 691-696.	3.6	91
76	Terminal guidance laws of missile based on ISMC and NDOB with impact angle constraint. Aerospace Science and Technology, 2013, 31, 30-41.	2.5	91
77	Differential ubiquitination and degradation of huntingtin fragments modulated by ubiquitin-protein ligase E3A. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5706-5711.	3.3	91
78	Age-Dependent Decrease in Chaperone Activity Impairs MANF Expression, Leading to Purkinje Cell Degeneration in Inducible SCA17 Mice. Neuron, 2014, 81, 349-365.	3.8	90
79	Multiple pathways contribute to the pathogenesis of Huntington disease. Molecular Neurodegeneration, 2006, 1, 19.	4.4	89
80	Global output regulation for strict-feedback nonlinear systems with mismatched nonvanishing disturbances. International Journal of Robust and Nonlinear Control, 2015, 25, 2631-2645.	2.1	89
81	Discrete-Time Fast Terminal Sliding Mode Control Design for DCâ€“DC Buck Converters With Mismatched Disturbances. IEEE Transactions on Industrial Informatics, 2020, 16, 1204-1213.	7.2	89
82	Disturbance rejection control method for permanent magnet synchronous motor speed-regulation system. Mechatronics, 2012, 22, 706-714.	2.0	86
83	Finiteâ€time disturbance observer based nonâ€singular terminal slidingâ€mode control for pulse width modulation based DCâ€“DC buck converters with mismatched load disturbances. IET Power Electronics, 2016, 9, 1995-2002.	1.5	86
84	A composite speed controller based on a second-order model of permanent magnet synchronous motor system. Transactions of the Institute of Measurement and Control, 2011, 33, 522-541.	1.1	85
85	Distributed Finite-Horizon Fusion Kalman Filtering for Bandwidth and Energy Constrained Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2014, 62, 797-812.	3.2	83
86	Mutant Huntingtin Impairs BDNF Release from Astrocytes by Disrupting Conversion of Rab3a-GTP into Rab3a-GDP. Journal of Neuroscience, 2016, 36, 8790-8801.	1.7	83
87	Finiteâ€time formation control of multiagent systems via dynamic output feedback. International Journal of Robust and Nonlinear Control, 2013, 23, 1609-1628.	2.1	82
88	Finiteâ€time stability and finiteâ€time weighted L ₂ â€gain analysis for switched systems with timeâ€varying delay. IET Control Theory and Applications, 2013, 7, 1058-1069.	1.2	82
89	Early Parkinson's disease symptoms in Â-synuclein transgenic monkeys. Human Molecular Genetics, 2015, 24, 2308-2317.	1.4	82
90	Distributed Covariance Intersection Fusion Estimation for Cyber-Physical Systems With Communication Constraints. IEEE Transactions on Automatic Control, 2016, 61, 4020-4026.	3.6	82

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91	Therapeutic Effect of Berberine on Huntingtonâ€™s Disease Transgenic Mouse Model. PLoS ONE, 2015, 10, e0134142.	1.1	81
92	Generalized Proportional Integral Observer-Based Robust Finite Control Set Predictive Current Control for Induction Motor Systems with Time-Varying Disturbances. IEEE Transactions on Industrial Informatics, 2018, , 1-1.	7.2	81
93	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.	5.2	81
94	Simultaneous Detection of Multiple Tumor Markers in Blood by Functional Liquid Crystal Sensors Assisted with Target-Induced Dissociation of Aptamer. Analytical Chemistry, 2020, 92, 3867-3873.	3.2	77
95	Global set stabilization of the spacecraft attitude control problem based on quaternion. International Journal of Robust and Nonlinear Control, 2010, 20, 84-105.	2.1	76
96	Disturbance rejection of dead-time processes using disturbance observer and model predictive control. Chemical Engineering Research and Design, 2011, 89, 125-135.	2.7	76
97	Nonâ€linear disturbance observerâ€based backâ€stepping control for airbreathing hypersonic vehicles with mismatched disturbances. IET Control Theory and Applications, 2014, 8, 1852-1865.	1.2	76
98	Adaptive Terminal Sliding Mode Control for Magnetic Levitation Systems With Enhanced Disturbance Compensation. IEEE Transactions on Industrial Electronics, 2021, 68, 756-766.	5.2	76
99	Global stabilization of inherently non-linear systems using continuously differentiable controllers. Nonlinear Dynamics, 2014, 77, 739-752.	2.7	75
100	Distributed attitude control for multiple spacecraft with communication delays. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 1765-1773.	2.6	73
101	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.	5.2	73
102	Application of model predictive control in ball mill grinding circuit. Minerals Engineering, 2007, 20, 1099-1108.	1.8	70
103	Robust Sliding Mode Control for Robots Driven by Compliant Actuators. IEEE Transactions on Control Systems Technology, 2019, 27, 1259-1266.	3.2	70
104	Finite-time Hâˆž control for a class of discrete-time switched time-delay systems with quantized feedback. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4802-4814.	1.7	69
105	Antibacterial Thin-Film Nanocomposite Membranes Incorporated with Graphene Oxide Quantum Dot-Mediated Silver Nanoparticles for Reverse Osmosis Application. ACS Sustainable Chemistry and Engineering, 2019, 7, 8724-8734.	3.2	69
106	Distributed Robust Fusion Estimation With Application to State Monitoring Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2994-3005.	5.9	68
107	Mutant Huntingtin Inhibits Î±B-Crystallin Expression and Impairs Exosome Secretion from Astrocytes. Journal of Neuroscience, 2017, 37, 9550-9563.	1.7	68
108	Finiteâ€time tracking control of a nonholonomic mobile robot. Asian Journal of Control, 2009, 11, 344-357.	1.9	66

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109	Global finite-time stabilisation for a class of stochastic nonlinear systems by output feedback. International Journal of Control, 2015, 88, 494-506.	1.2	66
110	Design and Implementation of Clutch Control for Automotive Transmissions Using Terminal-Sliding-Mode Control and Uncertainty Observer. IEEE Transactions on Vehicular Technology, 2016, 65, 1890-1898.	3.9	66
111	Wormlike Micelles with Photoresponsive Viscoelastic Behavior Formed by Surface Active Ionic Liquid/Azobenzene Derivative Mixed Solution. Langmuir, 2015, 31, 3789-3798.	1.6	65
112	Finite-Time Output Feedback Control for PWM-Based DCâ€“DC Buck Power Converters of Current Sensorless Mode. IEEE Transactions on Control Systems Technology, 2017, 25, 1359-1371.	3.2	65
113	A composite control scheme for 6DOF spacecraft formation control. Acta Astronautica, 2011, 69, 595-611.	1.7	64
114	Distributed Fusion Estimation With Communication Bandwidth Constraints. IEEE Transactions on Automatic Control, 2015, 60, 1398-1403.	3.6	64
115	Design and Qualitative Robustness Analysis of an DOBC Approach for DC-DC Buck Converters With Unmatched Circuit Parameter Perturbations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 551-560.	3.5	64
116	A distributed fixed-time optimization algorithm for multi-agent systems. Automatica, 2020, 122, 109289.	3.0	64
117	Finite-time boundedness and finite-time l2 gain analysis of discrete-time switched linear systems with average dwell time. Journal of the Franklin Institute, 2013, 350, 911-928.	1.9	63
118	Composite guidance laws based on sliding mode control with impact angle constraint and autopilot lag. Transactions of the Institute of Measurement and Control, 2013, 35, 764-776.	1.1	63
119	Active Security Control Approach Against DoS Attacks in Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2021, 66, 4303-4310.	3.6	63
120	Distributed Mixed H₂/H Fusion Estimation With Limited Communication Capacity. IEEE Transactions on Automatic Control, 2016, 61, 805-810.	3.6	61
121	Dynamic Control of Sacrificial Bond Transformation in the Feâ^'Nâ^'C Singleâ€Atom Catalyst for Molecular Oxygen Reduction. Angewandte Chemie - International Edition, 2021, 60, 25296-25301.	7.2	61
122	Semiâ€global stabilization via linear sampledâ€data output feedback for a class of uncertain nonlinear systems. International Journal of Robust and Nonlinear Control, 2015, 25, 2041-2061.	2.1	60
123	GPIO-Based Robust Control of Nonlinear Uncertain Systems Under Time-Varying Disturbance With Application to DCâ€“DC Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 1074-1078.	2.2	60
124	Comments on the paper: Robust controllers design with finite time convergence for rigid spacecraft attitude tracking control. Aerospace Science and Technology, 2011, 15, 193-195.	2.5	59
125	Leaderâ€“Follower Consensus of Multiagent Systems With Energy Constraints: A Markovian System Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1727-1736.	5.9	59
126	Active Disturbance Rejection Control Design With Suppression of Sensor Noise Effects in Application to DCâ€“DC Buck Power Converter. IEEE Transactions on Industrial Electronics, 2022, 69, 816-824.	5.2	59

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127	Stability analysis for a second-order continuous finite-time control system subject to a disturbance. Journal of Control Theory and Applications, 2009, 7, 271-276.	0.8	56
128	Mutant Alpha-Synuclein Causes Age-Dependent Neuropathology in Monkey Brain. Journal of Neuroscience, 2015, 35, 8345-8358.	1.7	56
129	A Simple Current-Constrained Controller for Permanent-Magnet Synchronous Motor. IEEE Transactions on Industrial Informatics, 2019, 15, 1486-1495.	7.2	55
130	CRISPR/Cas9-mediated PINK1 deletion leads to neurodegeneration in rhesus monkeys. Cell Research, 2019, 29, 334-336.	5.7	55
131	Nested saturation control for overhead crane systems. Transactions of the Institute of Measurement and Control, 2012, 34, 862-875.	1.1	53
132	A cationic surfactant-decorated liquid crystal sensing platform for simple and sensitive detection of acetylcholinesterase and its inhibitor. Biosensors and Bioelectronics, 2015, 72, 25-30.	5.3	53
133	Continuous Nonsingular Terminal Sliding Mode Control of DCâ€“DC Boost Converters Subject to Time-Varying Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2552-2556.	2.2	53
134	Dynamic Event-Triggered Output Feedback Control for Load Frequency Control in Power Systems With Multiple Cyber Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6246-6258.	5.9	53
135	Siloxane surfactant induced self-assembly of gold nanoparticles and their application to SERS. CrystEngComm, 2011, 13, 6179.	1.3	52
136	Finite-time stability of switched nonlinear systems with finite-time unstable subsystems. Journal of the Franklin Institute, 2015, 352, 1192-1214.	1.9	52
137	Continuous Output Feedback TSM Control for Uncertain Systems With a DCâ€“AC Inverter Example. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 71-75.	2.2	52
138	Global finite-time stabilisation using bounded feedback for a class of non-linear systems. IET Control Theory and Applications, 2012, 6, 2326-2336.	1.2	51
139	Composite predictive flight control for airbreathing hypersonic vehicles. International Journal of Control, 2014, 87, 1970-1984.	1.2	51
140	Robust control for disturbed buck converters based on two GPI observers. Control Engineering Practice, 2017, 66, 13-22.	3.2	51
141	Fabrication of Liquid-Crystal-Based Optical Sensing Platform for Detection of Hydrogen Peroxide and Blood Glucose. Analytical Chemistry, 2018, 90, 11607-11613.	3.2	51
142	A New Approach to Linear/Nonlinear Distributed Fusion Estimation Problem. IEEE Transactions on Automatic Control, 2019, 64, 1301-1308.	3.6	50
143	Bounded Consensus Algorithms for Multiâ€Agent Systems in Directed Networks. Asian Journal of Control, 2013, 15, 282-291.	1.9	49
144	Global stabilization of a class of uncertain upperâ€triangular systems under sampledâ€data control. International Journal of Robust and Nonlinear Control, 2013, 23, 620-637.	2.1	49

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145	Output-Based Dynamic Event-Triggered Mechanisms for Disturbance Rejection Control of Networked Nonlinear Systems. IEEE Transactions on Cybernetics, 2020, 50, 1978-1988.	6.2	48
146	Distributed Finite-Time Optimization for Disturbed Second-Order Multiagent Systems. IEEE Transactions on Cybernetics, 2021, 51, 4634-4647.	6.2	48
147	Progressive Cognitive Deficit, Motor Impairment and Striatal Pathology in a Transgenic Huntington Disease Monkey Model from Infancy to Adulthood. PLoS ONE, 2015, 10, e0122335.	1.1	47
148	MANF regulates hypothalamic control of food intake and body weight. Nature Communications, 2017, 8, 579.	5.8	47
149	Output feedback continuous terminal sliding mode guidance law for missile-target interception with autopilot dynamics. Aerospace Science and Technology, 2019, 86, 256-267.	2.5	47
150	Delay-dependent H â^ž control for 2-D discrete state delay systems in the second FM model. Multidimensional Systems and Signal Processing, 2009, 20, 333-349.	1.7	46
151	Global Stabilization via Sampled-Data Output Feedback for a Class of Linearly Uncontrollable and Unobservable Systems. IEEE Transactions on Automatic Control, 2016, 61, 4088-4093.	3.6	46
152	Composite Backstepping Consensus Algorithms of Leaderâ€“Follower Higher-Order Nonlinear Multiagent Systems Subject to Mismatched Disturbances. IEEE Transactions on Cybernetics, 2018, 48, 1935-1946.	6.2	46
153	Finite-time super-twisting sliding mode control for Mars entry trajectory tracking. Journal of the Franklin Institute, 2015, 352, 5226-5248.	1.9	45
154	Cytoplasmic mislocalization of RNA splicing factors and aberrant neuronal gene splicing in TDP-43 transgenic pig brain. Molecular Neurodegeneration, 2015, 10, 42.	4.4	45
155	Continuous terminal sliding mode control with extended state observer for PMSM speed regulation system. Transactions of the Institute of Measurement and Control, 2017, 39, 1195-1204.	1.1	45
156	Finite-Time Output Consensus of Higher-Order Multiagent Systems With Mismatched Disturbances and Unknown State Elements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2571-2581.	5.9	45
157	Species-dependent neuropathology in transgenic SOD1 pigs. Cell Research, 2014, 24, 464-481.	5.7	44
158	Stimuli-Responsive Polyoxometalate/Ionic Liquid Supramolecular Spheres: Fabrication, Characterization, and Biological Applications. Langmuir, 2016, 32, 421-427.	1.6	44
159	Finite-time stability and stabilization of switched linear systems. , 2009, , .		43
160	Transgenic animal models for study of the pathogenesis of Huntington’s disease and therapy. Drug Design, Development and Therapy, 2015, 9, 2179.	2.0	43
161	Active disturbance rejection control of torsional plant with unknown frequency harmonic disturbance. Control Engineering Practice, 2020, 100, 104413.	3.2	43
162	Continuous finite-time anti-disturbance control for a class of uncertain nonlinear systems. Transactions of the Institute of Measurement and Control, 2014, 36, 300-311.	1.1	42

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163	Stabilisation for a class of highâ€order nonâ€linear systems with output constraints. IET Control Theory and Applications, 2016, 10, 2128-2135.	1.2	42
164	Composite controller design for an airbreathing hypersonic vehicle. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 651-664.	0.7	41
165	Static disturbanceâ€toâ€output decoupling for nonlinear systems with arbitrary disturbance relative degree. International Journal of Robust and Nonlinear Control, 2013, 23, 562-577.	2.1	41
166	Aggregation Behavior of Imidazolium-Based Surface-Active Ionic Liquids with Photoresponsive Cinnamate Counterions in the Aqueous Solution. Langmuir, 2015, 31, 12597-12608.	1.6	41
167	Trace Detection of RDX, HMX and PETN Explosives Using a Fluorescence Spot Sensor. Scientific Reports, 2016, 6, 25015.	1.6	41
168	Detection of Biomarkers in Blood Using Liquid Crystals Assisted with Aptamer-Target Recognition Triggered in Situ Rolling Circle Amplification on Magnetic Beads. Analytical Chemistry, 2019, 91, 11653-11660.	3.2	41
169	Finiteâ€time stability of switched linear systems with subsystems which are not finiteâ€time stable. IET Control Theory and Applications, 2014, 8, 1137-1146.	1.2	40
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