

Xinghuo Yu

List of Publications by Year in descending order

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775
papers

36,699
citations

3159

92
h-index

4432

172
g-index

788
all docs

788
docs citations

788
times ranked

16609
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous finite-time control for robotic manipulators with terminal sliding mode. <i>Automatica</i> , 2005, 41, 1957-1964.	5.0	2,178
2	Non-singular terminal sliding mode control of rigid manipulators. <i>Automatica</i> , 2002, 38, 2159-2167.	5.0	1,882
3	Sliding-Mode Control for Systems With Mismatched Uncertainties via a Disturbance Observer. <i>IEEE Transactions on Industrial Electronics</i> , 2013, 60, 160-169.	7.9	1,072
4	Fast terminal sliding-mode control design for nonlinear dynamical systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002, 49, 261-264.	0.1	691
5	Survey on Recent Advances in Networked Control Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2016, 12, 1740-1752.	11.3	608
6	Energy-Sharing Model With Price-Based Demand Response for Microgrids of Peer-to-Peer Prosumers. <i>IEEE Transactions on Power Systems</i> , 2017, 32, 3569-3583.	6.5	604
7	Smart Grids: A Cyber-Physical Systems Perspective. <i>Proceedings of the IEEE</i> , 2016, 104, 1058-1070.	21.3	507
8	Continuous nonsingular terminal sliding mode control for systems with mismatched disturbances. <i>Automatica</i> , 2013, 49, 2287-2291.	5.0	503
9	Chattering free full-order sliding-mode control. <i>Automatica</i> , 2014, 50, 1310-1314.	5.0	501
10	On nonsingular terminal sliding-mode control of nonlinear systems. <i>Automatica</i> , 2013, 49, 1715-1722.	5.0	480
11	Terminal sliding mode control design for uncertain dynamic systems. <i>Systems and Control Letters</i> , 1998, 34, 281-287.	2.3	476
12	Smart Electricity Meter Data Intelligence for Future Energy Systems: A Survey. <i>IEEE Transactions on Industrial Informatics</i> , 2016, 12, 425-436.	11.3	459
13	Sliding-Mode Control With Soft Computing: A Survey. <i>IEEE Transactions on Industrial Electronics</i> , 2009, 56, 3275-3285.	7.9	433
14	Characterizing the Synchronizability of Small-World Dynamical Networks. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004, 51, 787-796.	0.1	396
15	Finite-time stability and instability of stochastic nonlinear systems. <i>Automatica</i> , 2011, 47, 2671-2677.	5.0	394
16	Design and Implementation of Terminal Sliding Mode Control Method for PMSM Speed Regulation System. <i>IEEE Transactions on Industrial Informatics</i> , 2013, 9, 1879-1891.	11.3	379
17	Chaos synchronization of general complex dynamical networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 334, 281-302.	2.6	378
18	An Overall Distribution Particle Swarm Optimization MPPT Algorithm for Photovoltaic System Under Partial Shading. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 265-275.	7.9	342

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19	The New Frontier of Smart Grids. IEEE Industrial Electronics Magazine, 2011, 5, 49-63.	2.6	317
20	Distributed Event-Triggered Scheme for Economic Dispatch in Smart Grids. IEEE Transactions on Industrial Informatics, 2016, 12, 1775-1785.	11.3	307
21	Event-Triggering Load Frequency Control for Multiarea Power Systems With Communication Delays. IEEE Transactions on Industrial Electronics, 2016, 63, 1308-1317.	7.9	305
22	On the Discrete-Time Integral Sliding-Mode Control. IEEE Transactions on Automatic Control, 2007, 52, 709-715.	5.7	301
23	Design and Analysis of Multiscroll Chaotic Attractors From Saturated Function Series. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 2476-2490.	0.1	289
24	Energy Sharing Management for Microgrids With PV Prosumers: A Stackelberg Game Approach. IEEE Transactions on Industrial Informatics, 2017, 13, 1088-1098.	11.3	276
25	Droop-Based Distributed Cooperative Control for Microgrids With Time-Varying Delays. IEEE Transactions on Smart Grid, 2016, 7, 1775-1789.	9.0	268
26	Finite-time stabilization of stochastic nonlinear systems in strict-feedback form. Automatica, 2013, 49, 1403-1410.	5.0	259
27	Chattering-free discrete-time sliding mode control. Automatica, 2016, 68, 87-91.	5.0	257
28	Pinning Synchronization of Directed Networks With Switching Topologies: A Multiple Lyapunov Functions Approach. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3239-3250.	11.3	239
29	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.	11.3	233
30	Distributed Secondary Voltage and Frequency Control for Islanded Microgrids With Uncertain Communication Links. IEEE Transactions on Industrial Informatics, 2017, 13, 448-460.	11.3	233
31	Optimal Denial-of-Service Attack Scheduling With Energy Constraint Over Packet-Dropping Networks. IEEE Transactions on Automatic Control, 2018, 63, 1648-1663.	5.7	232
32	Generating 3-D multi-scroll chaotic attractors: A hysteresis series switching method. Automatica, 2004, 40, 1677-1687.	5.0	228
33	Hybrid Terminal Sliding-Mode Observer Design Method for a Permanent-Magnet Synchronous Motor Control System. IEEE Transactions on Industrial Electronics, 2009, 56, 3424-3431.	7.9	228
34	High-Order Terminal Sliding-Mode Observer for Parameter Estimation of a Permanent-Magnet Synchronous Motor. IEEE Transactions on Industrial Electronics, 2013, 60, 4272-4280.	7.9	213
35	Bipartite Tracking Consensus of Linear Multi-Agent Systems With a Dynamic Leader. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1204-1208.	3.0	213
36	Efficient Computation for Sparse Load Shifting in Demand Side Management. IEEE Transactions on Smart Grid, 2017, 8, 250-261.	9.0	210

#	ARTICLE	IF	CITATIONS
37	Distributed Robust Fixed-Time Consensus for Nonlinear and Disturbed Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1464-1473.	9.3	209
38	Model reference adaptive control systems with terminal sliding modes. International Journal of Control, 1996, 64, 1165-1176.	1.9	208
39	Fuzzy Control for Uncertain Vehicle Active Suspension Systems via Dynamic Sliding-Mode Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 24-32.	9.3	208
40	Continuous Finite-Time Output Regulation for Disturbed Systems Under Mismatching Condition. IEEE Transactions on Automatic Control, 2015, 60, 277-282.	5.7	207
41	Energy-Sharing Provider for PV Prosumer Clusters: A Hybrid Approach Using Stochastic Programming and Stackelberg Game. IEEE Transactions on Industrial Electronics, 2018, 65, 6740-6750.	7.9	206
42	Optimizing rooftop photovoltaic distributed generation with battery storage for peer-to-peer energy trading. Applied Energy, 2018, 228, 2567-2580.	10.1	200
43	Anomaly detection in online social networks. Social Networks, 2014, 39, 62-70.	2.1	198
44	Discrete-Time Fast Terminal Sliding Mode Control for Permanent Magnet Linear Motor. IEEE Transactions on Industrial Electronics, 2018, 65, 9916-9927.	7.9	197
45	Consensus in Multi-Agent Systems With Second-Order Dynamics and Sampled Data. IEEE Transactions on Industrial Informatics, 2013, 9, 2137-2146.	11.3	194
46	Pulse-Modulated Intermittent Control in Consensus of Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 783-793.	9.3	193
47	Sliding Mode Control With Mixed Current and Delayed States for Offshore Steel Jacket Platforms. IEEE Transactions on Control Systems Technology, 2014, 22, 1769-1783.	5.2	192
48	On time-delayed feedback control of chaotic systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1999, 46, 767-772.	0.1	188
49	A Maximum-Flow-Based Complex Network Approach for Power System Vulnerability Analysis. IEEE Transactions on Industrial Informatics, 2013, 9, 81-88.	11.3	185
50	Distributed Tracking of Nonlinear Multiagent Systems Under Directed Switching Topology: An Observer-Based Protocol. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 869-881.	9.3	185
51	On the cluster consensus of discrete-time multi-agent systems. Systems and Control Letters, 2011, 60, 517-523.	2.3	182
52	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.	5.7	181
53	Distributed Optimal Consensus Over Resource Allocation Network and Its Application to Dynamical Economic Dispatch. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2407-2418.	11.3	172
54	Computer-Controlled Variable Structure Systems: The State-of-the-Art. IEEE Transactions on Industrial Informatics, 2012, 8, 197-205.	11.3	171

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55	A Novel Distributed Secondary Coordination Control Approach for Islanded Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 2726-2740.	9.0	169
56	Discrete-Time Terminal Sliding Mode Control Systems Based on Euler's Discretization. IEEE Transactions on Automatic Control, 2014, 59, 546-552.	5.7	163
57	Finite-time consensus of multiple nonholonomic chained-form systems based on recursive distributed observer. Automatica, 2015, 62, 236-242.	5.0	162
58	Spatiotemporal Anomaly Detection Using Deep Learning for Real-Time Video Surveillance. IEEE Transactions on Industrial Informatics, 2020, 16, 393-402.	11.3	160
59	Anticontrol of chaos in continuous-time systems via time-delay feedback. Chaos, 2000, 10, 771.	2.5	153
60	A general backpropagation algorithm for feedforward neural networks learning. IEEE Transactions on Neural Networks, 2002, 13, 251-254.	4.2	149
61	Aperiodic Sampled-Data Sliding-Mode Control of Fuzzy Systems With Communication Delays Via the Event-Triggered Method. IEEE Transactions on Fuzzy Systems, 2016, 24, 1048-1057.	9.8	149
62	Second-Order Consensus in Multiagent Systems via Distributed Sliding Mode Control. IEEE Transactions on Cybernetics, 2017, 47, 1872-1881.	9.5	145
63	Adaptive Consensus-Based Robust Strategy for Economic Dispatch of Smart Grids Subject to Communication Uncertainties. IEEE Transactions on Industrial Informatics, 2018, 14, 2484-2496.	11.3	145
64	Multi-Agent Systems with Dynamical Topologies: Consensus and Applications. IEEE Circuits and Systems Magazine, 2013, 13, 21-34.	2.3	143
65	Neuro-Adaptive Consensus Tracking of Multiagent Systems With a High-Dimensional Leader. IEEE Transactions on Cybernetics, 2017, 47, 1730-1742.	9.5	143
66	Design of fuzzy sliding-mode control systems. Fuzzy Sets and Systems, 1998, 95, 295-306.	2.7	142
67	Observer Design for Tracking Consensus in Second-Order Multi-Agent Systems: Fractional Order Less Than Two. IEEE Transactions on Automatic Control, 2017, 62, 894-900.	5.7	140
68	Terminal sliding mode observers for a class of nonlinear systems. Automatica, 2010, 46, 1401-1404.	5.0	139
69	Flocking of Multi-Agent Non-Holonomic Systems With Proximity Graphs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 199-210.	5.4	139
70	Multiparty Energy Management for Grid-Connected Microgrids With Heat- and Electricity-Coupled Demand Response. IEEE Transactions on Industrial Informatics, 2018, 14, 1887-1897.	11.3	134
71	Periodic event-triggered sliding mode control. Automatica, 2018, 96, 61-72.	5.0	134
72	Terminal Sliding Mode Control – An Overview. IEEE Open Journal of the Industrial Electronics Society, 2021, 2, 36-52.	6.8	134

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73	A simple and efficient hidden Markov model scheme for host-based anomaly intrusion detection. <i>IEEE Network</i> , 2009, 23, 42-47.	6.9	131
74	Composite Super-Twisting Sliding Mode Control Design for PMSM Speed Regulation Problem Based on a Novel Disturbance Observer. <i>IEEE Transactions on Energy Conversion</i> , 2021, 36, 2591-2599.	5.2	130
75	Multi-input uncertain linear systems with terminal sliding-mode control. <i>Automatica</i> , 1998, 34, 389-392.	5.0	127
76	A Generalized Hopfield Network for Nonsmooth Constrained Convex Optimization: Lie Derivative Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 308-321.	11.3	120
77	Consensus of Discrete-Time Second-Order Multiagent Systems Based on Infinite Products of General Stochastic Matrices. <i>SIAM Journal on Control and Optimization</i> , 2013, 51, 3274-3301.	2.1	118
78	\mathcal{H}_{∞} Pinning Synchronization of Directed Networks With Aperiodic Sampled-Data Communications. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014, 61, 3245-3255.	5.4	116
79	Fixed-Time Attitude Tracking Control for Spacecraft With Input Quantization. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019, 55, 124-134.	4.7	115
80	Stochastic Distributed Secondary Control for AC Microgrids via Event-Triggered Communication. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 2746-2759.	9.0	114
81	Quantized feedback sliding-mode control: An event-triggered approach. <i>Automatica</i> , 2018, 91, 126-135.	5.0	111
82	Risk-Averse Energy Trading in Multienergy Microgrids: A Two-Stage Stochastic Game Approach. <i>IEEE Transactions on Industrial Informatics</i> , 2017, 13, 2620-2630.	11.3	108
83	Finite-Time Continuous Terminal Sliding Mode Control of Servo Motor Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 5647-5656.	7.9	107
84	Distributed Coordination of Islanded Microgrid Clusters Using a Two-Layer Intermittent Communication Network. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 3956-3969.	11.3	106
85	Distributed Multi-DER Cooperative Control for Master-Slave-Organized Microgrid Networks With Limited Communication Bandwidth. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 3443-3456.	11.3	105
86	Design and Implementation of Grid Multiwing Hyperchaotic Lorenz System Family via Switching Control and Constructing Super-Heteroclinic Loops. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2012, 59, 1015-1028.	5.4	104
87	Cluster-Oriented Distributed Cooperative Control for Multiple AC Microgrids. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 5906-5918.	11.3	104
88	Generating chaotic attractors with multiple merged basins of attraction: a switching piecewise-linear control approach. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003, 50, 198-207.	0.1	101
89	Event-Triggered Master-Slave Synchronization With Sampled-Data Communication. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016, 63, 304-308.	3.0	101
90	A New Adaptive Backpropagation Algorithm Based on Lyapunov Stability Theory for Neural Networks. <i>IEEE Transactions on Neural Networks</i> , 2006, 17, 1580-1591.	4.2	100

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91	An unsupervised anomaly-based detection approach for integrity attacks on SCADA systems. Computers and Security, 2014, 46, 94-110.	6.0	98
92	Beyond smart gridâ€”cyberâ€”physicalâ€”social system in energy future [point of view]. Proceedings of the IEEE, 2017, 105, 2290-2292.	21.3	98
93	A Unified Approach to the Stability of Generalized Static Neural Networks With Linear Fractional Uncertainties and Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1275-1286.	5.0	94
94	Delayed Impulsive Control for Consensus of Multiagent Systems With Switching Communication Graphs. IEEE Transactions on Cybernetics, 2020, 50, 3045-3055.	9.5	93
95	An Improved Virtual Space Vector Modulation Scheme for Three-Level Active Neutral-Point-Clamped Inverter. IEEE Transactions on Power Electronics, 2017, 32, 7419-7434.	7.9	88
96	Fingerprint images encryption via multi-scroll chaotic attractors. Applied Mathematics and Computation, 2007, 185, 931-939.	2.2	87
97	A Data Mining Framework for Electricity Consumption Analysis From Meter Data. IEEE Transactions on Industrial Informatics, 2011, 7, 399-407.	11.3	87
98	Iterative learning control for discrete-time systems with event-triggered transmission strategy and quantization. Automatica, 2016, 72, 84-91.	5.0	87
99	Euler's Discretization of Single Input Sliding-Mode Control Systems. IEEE Transactions on Automatic Control, 2007, 52, 1726-1730.	5.7	85
100	Complex cyber-physical networks: From cybersecurity to security control. Journal of Systems Science and Complexity, 2017, 30, 46-67.	2.8	83
101	Controlling Lorenz chaos. International Journal of Systems Science, 1996, 27, 355-359.	5.5	82
102	Discretization behaviors of equivalent control based sliding-mode control systems. IEEE Transactions on Automatic Control, 2003, 48, 1641-1646.	5.7	82
103	Higher order finite-time consensus protocol for heterogeneous multi-agent systems. International Journal of Control, 2015, 88, 285-294.	1.9	81
104	Identification of Important Nodes in Directed Biological Networks: A Network Motif Approach. PLoS ONE, 2014, 9, e106132.	2.5	81
105	Stability criteria for linear discrete-time systems with interval-like time-varying delay. , 0, , .		80
106	Distributed Voltage Regulation for Cyber-Physical Microgrids With Coupling Delays and Slow Switching Topologies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 100-110.	9.3	80
107	Integral sliding mode control for offshore steel jacket platforms. Journal of Sound and Vibration, 2012, 331, 3271-3285.	3.9	79
108	Consensus-Based Distributed Coordination Between Economic Dispatch and Demand Response. IEEE Transactions on Smart Grid, 2019, 10, 3709-3719.	9.0	79

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109	Precision Position Tracking for Piezoelectric-Driven Motion System Using Continuous Third-Order Sliding Mode Control. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1521-1531.	5.8	77
110	A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 6856-6868.	6.3	77
111	Detection of opinion spam based on anomalous rating deviation. Expert Systems With Applications, 2015, 42, 8650-8657.	7.6	76
112	CHAOS SYNCHRONIZATION VIA CONTROLLING PARTIAL STATE OF CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 1737-1741.	1.7	74
113	Data-Driven Planning of Electric Vehicle Charging Infrastructure: A Case Study of Sydney, Australia. IEEE Transactions on Smart Grid, 2021, 12, 3289-3304.	9.0	74
114	Robust decentralized stabilization for a class of large-scale time-delay uncertain impulsive dynamical systems. Automatica, 2002, 38, 2075-2084.	5.0	72
115	Sliding-Mode-Based Differentiation and Filtering. IEEE Transactions on Automatic Control, 2018, 63, 3061-3067.	5.7	72
116	Robust Sliding Mode Control for T-S Fuzzy Systems via Quantized State Feedback. IEEE Transactions on Fuzzy Systems, 2018, 26, 2261-2272.	9.8	72
117	On Synchronization of Dynamical Systems Over Directed Switching Topologies: An Algebraic and Geometric Perspective. IEEE Transactions on Automatic Control, 2020, 65, 5083-5098.	5.7	72
118	Online Energy Sharing for Nanogrid Clusters: A Lyapunov Optimization Approach. IEEE Transactions on Smart Grid, 2018, 9, 4624-4636.	9.0	71
119	Generating Grid Multiwing Chaotic Attractors by Constructing Heteroclinic Loops Into Switching Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 314-318.	3.0	69
120	Second-order tracking control for leader-follower multi-agent flocking in directed graphs with switching topology. Systems and Control Letters, 2011, 60, 1051-1058.	2.3	68
121	On controllability and observability for a class of impulsive systems. Systems and Control Letters, 2002, 47, 247-257.	2.3	67
122	Building a SCADA Security Testbed. , 2009, , .		66
123	Distributed Average Tracking for Lipschitz-Type of Nonlinear Dynamical Systems. IEEE Transactions on Cybernetics, 2019, 49, 4140-4152.	9.5	65
124	Hierarchical Controller-Estimator for Coordination of Networked Euler-Lagrange Systems. IEEE Transactions on Cybernetics, 2020, 50, 2450-2461.	9.5	65
125	Discretization Effect on Equivalent Control-Based Multi-Input Sliding-Mode Control Systems. IEEE Transactions on Automatic Control, 2008, 53, 1563-1569.	5.7	64
126	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.	5.4	64

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127	Variable structure control approach for controlling chaos. <i>Chaos, Solitons and Fractals</i> , 1997, 8, 1577-1586.	5.1	63
128	Adaptive Decentralized Neural Network Tracking Control for Uncertain Interconnected Nonlinear Systems With Input Quantization and Time Delay. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 1401-1409.	11.3	63
129	Adaptive Terminal Sliding Mode Tracking Control for Rigid Robotic Manipulators with Uncertain Dynamics.. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 1997, 40, 493-502.	0.3	62
130	Suppressing EMI in Power Converters via Chaotic SPWM Control Based on Spectrum Analysis Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 6128-6137.	7.9	62
131	Consensus of Second-Order Multiagent Systems With Both Velocity and Input Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 7946-7955.	7.9	62
132	A Robust Adaptive Terminal Sliding Mode Control for Rigid Robotic Manipulators. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 1999, 24, 23-41.	3.4	61
133	Identifying vulnerable lines in a power network using complex network theory. , 2009, , .		61
134	An EKF-Based Fast Tube MPC Scheme for Moving Target Tracking of a Redundant Underwater Vehicle-Manipulator System. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 2803-2814.	5.8	61
135	ZOH discretization effect on single-input sliding mode control systems with matched uncertainties. <i>Automatica</i> , 2009, 45, 118-125.	5.0	60
136	Pinning Synchronization of Complex Switching Networks With a Leader of Nonzero Control Inputs. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019, 66, 3100-3112.	5.4	60
137	Robust learning control for a class of nonlinear systems with periodic and aperiodic uncertainties. <i>Automatica</i> , 2003, 39, 1957-1966.	5.0	59
138	Output Containment Control for Heterogeneous Linear Multiagent Systems With Fixed and Switching Topologies. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 4117-4128.	9.5	59
139	Coordination and Control of Complex Network Systems With Switching Topologies: A Survey. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 6342-6357.	9.3	59
140	Synchronization of Resilient Complex Networks Under Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 1116-1127.	9.3	59
141	On sliding mode control for networked control systems with semi-Markovian switching and random sensor delays. <i>Information Sciences</i> , 2016, 337-338, 44-58.	6.9	58
142	A fuzzy neural network approximator with fast terminal sliding mode and its applications. <i>Fuzzy Sets and Systems</i> , 2004, 148, 469-486.	2.7	57
143	Identification and Evolution of Structurally Dominant Nodes in Protein-Protein Interaction Networks. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2014, 8, 87-97.	4.0	57
144	A Super-Twisting-Like Fractional Controller for SPMSM Drive System. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 9376-9384.	7.9	57

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145	Finite-time synchronization of neutral complex networks with Markovian switching based on pinning controller. <i>Neurocomputing</i> , 2015, 153, 148-158.	5.9	56
146	Fixed-Time Connectivity-Preserving Distributed Average Tracking for Multiagent Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017, 64, 1192-1196.	3.0	56
147	Voltage Control for Distribution Networks via Coordinated Regulation of Active and Reactive Power of DGs. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 4017-4031.	9.0	56
148	Modeling and Control of Islanded DC Microgrid Clusters With Hierarchical Event-Triggered Consensus Algorithm. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 376-386.	5.4	56
149	Full-order terminal sliding-mode control of MIMO systems with unmatched uncertainties. <i>Journal of the Franklin Institute</i> , 2018, 355, 653-674.	3.4	55
150	An intelligent system for automatic layout routing in aerospace design. <i>Innovations in Systems and Software Engineering</i> , 2007, 3, 117-128.	2.1	54
151	ULTIMATE BOUND ESTIMATION OF A CLASS OF HIGH DIMENSIONAL QUADRATIC AUTONOMOUS DYNAMICAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 2679-2694.	1.7	54
152	Stochastic Distributed Frequency and Load Sharing Control for Microgrids With Communication Delays. <i>IEEE Systems Journal</i> , 2019, 13, 4269-4280.	4.6	54
153	Finite-Time Connectivity-Preserving Consensus for Second-Order Nonlinear Multiagent Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2019, 6, 236-248.	3.7	54
154	Review on Oscillatory Stability in Power Grids With Renewable Energy Sources: Monitoring, Analysis, and Control Using Synchrophasor Technology. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 519-531.	7.9	54
155	Sliding Mode Control of a Three Degrees of Freedom Anthropoid Robot by Driving the Controller Parameters to an Equivalent Regime. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2000, 122, 632-640.	1.6	53
156	Conditions for the convergence of evolutionary algorithms. <i>Journal of Systems Architecture</i> , 2001, 47, 601-612.	4.3	53
157	Quantized Iterative Learning Consensus Tracking of Digital Networks With Limited Information Communication. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 1473-1480.	11.3	53
158	Controllability and observability of linear time-varying impulsive systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002, 49, 1198-1208.	0.1	52
159	Continuous Output Feedback TSM Control for Uncertain Systems With a DC-AC Inverter Example. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018, 65, 71-75.	3.0	52
160	An invariant-manifold-based method for chaos control. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2001, 48, 930-937.	0.1	51
161	Variable structure control of a class of uncertain systems. <i>Automatica</i> , 2004, 40, 59-64.	5.0	51
162	Asynchronous impulsive containment control in switched multi-agent systems. <i>Information Sciences</i> , 2016, 370-371, 667-679.	6.9	51

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163	Correlation of cascade failures and centrality measures in complex networks. <i>Future Generation Computer Systems</i> , 2018, 83, 390-400.	7.5	51
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