Xinghuo Yu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1482318/publications.pdf

Version: 2024-02-01

775	36,699	3149 92	4419 172
papers	citations	h-index	g-index

788	788	788	16609
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Continuous finite-time control for robotic manipulators with terminal sliding mode. Automatica, 2005, 41, 1957-1964.	3.0	2,178
2	Non-singular terminal sliding mode control of rigid manipulators. Automatica, 2002, 38, 2159-2167.	3.0	1,882
3	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
4	Fast terminal sliding-mode control design for nonlinear dynamical systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 261-264.	0.1	691
5	Survey on Recent Advances in Networked Control Systems. IEEE Transactions on Industrial Informatics, 2016, 12, 1740-1752.	7.2	608
6	Energy-Sharing Model With Price-Based Demand Response for Microgrids of Peer-to-Peer Prosumers. IEEE Transactions on Power Systems, 2017, 32, 3569-3583.	4.6	604
7	Smart Grids: A Cyberâ€“Physical Systems Perspective. Proceedings of the IEEE, 2016, 104, 1058-1070.	16.4	507
8	Continuous nonsingular terminal sliding mode control for systems with mismatched disturbances. Automatica, 2013, 49, 2287-2291.	3.0	503
9	Chattering free full-order sliding-mode control. Automatica, 2014, 50, 1310-1314.	3.0	501
10	On nonsingular terminal sliding-mode control of nonlinear systems. Automatica, 2013, 49, 1715-1722.	3.0	480
11	Terminal sliding mode control design for uncertain dynamic systems. Systems and Control Letters, 1998, 34, 281-287.	1.3	476
12	Smart Electricity Meter Data Intelligence for Future Energy Systems: A Survey. IEEE Transactions on Industrial Informatics, 2016, 12, 425-436.	7.2	459
13	Sliding-Mode Control With Soft Computing: A Survey. IEEE Transactions on Industrial Electronics, 2009, 56, 3275-3285.	5.2	433
14	Characterizing the Synchronizability of Small-World Dynamical Networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 787-796.	0.1	396
15	Finite-time stability and instability of stochastic nonlinear systems. Automatica, 2011, 47, 2671-2677.	3.0	394
16	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
17	Chaos synchronization of general complex dynamical networks. Physica A: Statistical Mechanics and Its Applications, 2004, 334, 281-302.	1.2	378
18	An Overall Distribution Particle Swarm Optimization MPPT Algorithm for Photovoltaic System Under Partial Shading. IEEE Transactions on Industrial Electronics, 2019, 66, 265-275.	5.2	342

#	Article	IF	Citations
19	The New Frontier of Smart Grids. IEEE Industrial Electronics Magazine, 2011, 5, 49-63.	2.3	317
20	Distributed Event-Triggered Scheme for Economic Dispatch in Smart Grids. IEEE Transactions on Industrial Informatics, 2016, 12, 1775-1785.	7.2	307
21	Event-Triggering Load Frequency Control for Multiarea Power Systems With Communication Delays. IEEE Transactions on Industrial Electronics, 2016, 63, 1308-1317.	5.2	305
22	On the Discrete-Time Integral Sliding-Mode Control. IEEE Transactions on Automatic Control, 2007, 52, 709-715.	3.6	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.	7.2	276
25	Droop-Based Distributed Cooperative Control for Microgrids With Time-Varying Delays. IEEE Transactions on Smart Grid, 2016, 7, 1775-1789.	6.2	268
26	Finite-time stabilization of stochastic nonlinear systems in strict-feedback form. Automatica, 2013, 49, 1403-1410.	3.0	259
27	Chattering-free discrete-time sliding mode control. Automatica, 2016, 68, 87-91.	3.0	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.	7.2	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.	7.2	233
30	Distributed Secondary Voltage and Frequency Control for Islanded Microgrids With Uncertain Communication Links. IEEE Transactions on Industrial Informatics, 2017, 13, 448-460.	7.2	233
31	Optimal Denial-of-Service Attack Scheduling With Energy Constraint Over Packet-Dropping Networks. IEEE Transactions on Automatic Control, 2018, 63, 1648-1663.	3.6	232
32	Generating 3-D multi-scroll chaotic attractors: A hysteresis series switching method. Automatica, 2004, 40, 1677-1687.	3.0	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.	5.2	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.	5.2	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.	2.2	213
36	Efficient Computation for Sparse Load Shifting in Demand Side Management. IEEE Transactions on Smart Grid, 2017, 8, 250-261.	6.2	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.	5.9	209
38	Model reference adaptive control systems with terminal sliding modes. International Journal of Control, 1996, 64, 1165-1176.	1.2	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.	5.9	208
40	Continuous Finite-Time Output Regulation for Disturbed Systems Under Mismatching Condition. IEEE Transactions on Automatic Control, 2015, 60, 277-282.	3.6	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.	5.2	206
42	Optimizing rooftop photovoltaic distributed generation with battery storage for peer-to-peer energy trading. Applied Energy, 2018, 228, 2567-2580.	5.1	200
43	Anomaly detection in online social networks. Social Networks, 2014, 39, 62-70.	1.3	198
44	Discrete-Time Fast Terminal Sliding Mode Control for Permanent Magnet Linear Motor. IEEE Transactions on Industrial Electronics, 2018, 65, 9916-9927.	5.2	197
45	Consensus in Multi-Agent Systems With Second-Order Dynamics and Sampled Data. IEEE Transactions on Industrial Informatics, 2013, 9, 2137-2146.	7.2	194
46	Pulse-Modulated Intermittent Control in Consensus of Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 783-793.	5.9	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.	3.2	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.	7.2	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.	5.9	185
51	On the cluster consensus of discrete-time multi-agent systems. Systems and Control Letters, 2011, 60, 517-523.	1.3	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.	3.6	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.	7.2	172
54	Computer-Controlled Variable Structure Systems: The State-of-the-Art. IEEE Transactions on Industrial Informatics, 2012, 8, 197-205.	7.2	171

#	Article	IF	Citations
55	A Novel Distributed Secondary Coordination Control Approach for Islanded Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 2726-2740.	6.2	169
56	Discrete-Time Terminal Sliding Mode Control Systems Based on Euler's Discretization. IEEE Transactions on Automatic Control, 2014, 59, 546-552.	3.6	163
57	Finite-time consensus of multiple nonholonomic chained-form systems based on recursive distributed observer. Automatica, 2015, 62, 236-242.	3.0	162
58	Spatiotemporal Anomaly Detection Using Deep Learning for Real-Time Video Surveillance. IEEE Transactions on Industrial Informatics, 2020, 16, 393-402.	7.2	160
59	Anticontrol of chaos in continuous-time systems via time-delay feedback. Chaos, 2000, 10, 771.	1.0	153
60	A general backpropagation algorithm for feedforward neural networks learning. IEEE Transactions on Neural Networks, 2002, 13, 251-254.	4.8	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.	6.5	149
62	Second-Order Consensus in Multiagent Systems via Distributed Sliding Mode Control. IEEE Transactions on Cybernetics, 2017, 47, 1872-1881.	6.2	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.	7.2	145
64	Multi-Agent Systems with Dynamical Topologies: Consensus and Applications. IEEE Circuits and Systems Magazine, 2013, 13, 21-34.	2.6	143
65	Neuro-Adaptive Consensus Tracking of Multiagent Systems With a High-Dimensional Leader. IEEE Transactions on Cybernetics, 2017, 47, 1730-1742.	6.2	143
66	Design of fuzzy sliding-mode control systems. Fuzzy Sets and Systems, 1998, 95, 295-306.	1.6	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.	3.6	140
68	Terminal sliding mode observers for a class of nonlinear systems. Automatica, 2010, 46, 1401-1404.	3.0	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.	3.5	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.	7.2	134
71	Periodic event-triggered sliding mode control. Automatica, 2018, 96, 61-72.	3.0	134
72	Terminal Sliding Mode Control â€“ An Overview. IEEE Open Journal of the Industrial Electronics Society, 2021, 2, 36-52.	4.8	134

#	Article	IF	Citations
73	A simple and efficient hidden Markov model scheme for host-based anomaly intrusion detection. IEEE Network, 2009, 23, 42-47.	4.9	131
74	Composite Super-Twisting Sliding Mode Control Design for PMSM Speed Regulation Problem Based on a Novel Disturbance Observer. IEEE Transactions on Energy Conversion, 2021, 36, 2591-2599.	3.7	130
75	Multi-input uncertain linear systems with terminal sliding-mode control. Automatica, 1998, 34, 389-392.	3.0	127
76	A Generalized Hopfield Network for Nonsmooth Constrained Convex Optimization: Lie Derivative Approach. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 308-321.	7.2	120
77	Consensus of Discrete-Time Second-Order Multiagent Systems Based on Infinite Products of General Stochastic Matrices. SIAM Journal on Control and Optimization, 2013, 51, 3274-3301.	1.1	118
78	${cal H}_{infty}$ Pinning Synchronization of Directed Networks With Aperiodic Sampled-Data Communications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 3245-3255.	3.5	116
79	Fixed-Time Attitude Tracking Control for Spacecraft With Input Quantization. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 124-134.	2.6	115
80	Stochastic Distributed Secondary Control for AC Microgrids via Event-Triggered Communication. IEEE Transactions on Smart Grid, 2020, 11, 2746-2759.	6.2	114
81	Quantized feedback sliding-mode control: An event-triggered approach. Automatica, 2018, 91, 126-135.	3.0	111
82	Risk-Averse Energy Trading in Multienergy Microgrids: A Two-Stage Stochastic Game Approach. IEEE Transactions on Industrial Informatics, 2017, 13, 2620-2630.	7.2	108
83	Finite-Time Continuous Terminal Sliding Mode Control of Servo Motor Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 5647-5656.	5.2	107
84	Distributed Coordination of Islanded Microgrid Clusters Using a Two-Layer Intermittent Communication Network. IEEE Transactions on Industrial Informatics, 2018, 14, 3956-3969.	7.2	106
85	Distributed Multi-DER Cooperative Control for Master-Slave-Organized Microgrid Networks With Limited Communication Bandwidth. IEEE Transactions on Industrial Informatics, 2019, 15, 3443-3456.	7.2	105
86	Design and Implementation of Grid Multiwing Hyperchaotic Lorenz System Family via Switching Control and Constructing Super-Heteroclinic Loops. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 1015-1028.	3.5	104
87	Cluster-Oriented Distributed Cooperative Control for Multiple AC Microgrids. IEEE Transactions on Industrial Informatics, 2019, 15, 5906-5918.	7.2	104
88	Generating chaotic attractors with multiple merged basins of attraction: a switching piecewise-linear control approach. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 198-207.	0.1	101
89	Event-Triggered Masterâ€“Slave Synchronization With Sampled-Data Communication. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 304-308.	2.2	101
90	A New Adaptive Backpropagation Algorithm Based on Lyapunov Stability Theory for Neural Networks. IEEE Transactions on Neural Networks, 2006, 17, 1580-1591.	4.8	100

#	Article	IF	Citations
91	An unsupervised anomaly-based detection approach for integrity attacks on SCADA systems. Computers and Security, 2014, 46, 94-110.	4.0	98
92	Beyond smart gridâ€”cyberâ€“physicalâ€“social system in energy future [point of view]. Proceedings of the IEEE, 2017, 105, 2290-2292.	16.4	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.	5.5	94
94	Delayed Impulsive Control for Consensus of Multiagent Systems With Switching Communication Graphs. IEEE Transactions on Cybernetics, 2020, 50, 3045-3055.	6.2	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.	5.4	88
96	Fingerprint images encryption via multi-scroll chaotic attractors. Applied Mathematics and Computation, 2007, 185, 931-939.	1.4	87
97	A Data Mining Framework for Electricity Consumption Analysis From Meter Data. IEEE Transactions on Industrial Informatics, 2011, 7, 399-407.	7.2	87
98	Iterative learning control for discrete-time systems with event-triggered transmission strategy and quantization. Automatica, 2016, 72, 84-91.	3.0	87
99	Euler's Discretization of Single Input Sliding-Mode Control Systems. IEEE Transactions on Automatic Control, 2007, 52, 1726-1730.	3.6	85
100	Complex cyber-physical networks: From cybersecurity to security control. Journal of Systems Science and Complexity, 2017, 30, 46-67.	1.6	83
101	Controlling Lorenz chaos. International Journal of Systems Science, 1996, 27, 355-359.	3.7	82
102	Discretization behaviors of equivalent control based sliding-mode control systems. IEEE Transactions on Automatic Control, 2003, 48, 1641-1646.	3.6	82
103	Higher order finite-time consensus protocol for heterogeneous multi-agent systems. International Journal of Control, 2015, 88, 285-294.	1.2	81
104	Identification of Important Nodes in Directed Biological Networks: A Network Motif Approach. PLoS ONE, 2014, 9, e106132.	1.1	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.	5.9	80
107	Integral sliding mode control for offshore steel jacket platforms. Journal of Sound and Vibration, 2012, 331, 3271-3285.	2.1	79
108	Consensus-Based Distributed Coordination Between Economic Dispatch and Demand Response. IEEE Transactions on Smart Grid, 2019, 10, 3709-3719.	6.2	79

#	Article	IF	Citations
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.	3.7	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.	3.9	77
111	Detection of opinion spam based on anomalous rating deviation. Expert Systems With Applications, 2015, 42, 8650-8657.	4.4	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.	0.7	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.	6.2	74
114	Robust decentralized stabilization for a class of large-scale time-delay uncertain impulsive dynamical systems. Automatica, 2002, 38, 2075-2084.	3.0	72
115	Sliding-Mode-Based Differentiation and Filtering. IEEE Transactions on Automatic Control, 2018, 63, 3061-3067.	3.6	72
116	Robust Sliding Mode Control for T-S Fuzzy Systems via Quantized State Feedback. IEEE Transactions on Fuzzy Systems, 2018, 26, 2261-2272.	6.5	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.	3.6	72
118	Online Energy Sharing for Nanogrid Clusters: A Lyapunov Optimization Approach. IEEE Transactions on Smart Grid, 2018, 9, 4624-4636.	6.2	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.	2.2	69
120	Second-order tracking control for leaderâ€“follower multi-agent flocking in directed graphs with switching topology. Systems and Control Letters, 2011, 60, 1051-1058.	1.3	68
121	On controllability and observability for a class of impulsive systems. Systems and Control Letters, 2002, 47, 247-257.	1.3	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.	6.2	65
124	Hierarchical Controller-Estimator for Coordination of Networked Eulerâ€“Lagrange Systems. IEEE Transactions on Cybernetics, 2020, 50, 2450-2461.	6.2	65
125	Discretization Effect on Equivalent Control-Based Multi-Input Sliding-Mode Control Systems. IEEE Transactions on Automatic Control, 2008, 53, 1563-1569.	3.6	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.	3.5	64

#	Article	IF	Citations
127	Variable structure control approach for controlling chaos. Chaos, Solitons and Fractals, 1997, 8, 1577-1586.	2.5	63
128	Adaptive Decentralized Neural Network Tracking Control for Uncertain Interconnected Nonlinear Systems With Input Quantization and Time Delay. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1401-1409.	7.2	63
129	Adaptive Terminal Sliding Mode Tracking Control for Rigid Robotic Manipulators with Uncertain Dynamics.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 1997, 40, 493-502.	0.3	62
130	Suppressing EMI in Power Converters via Chaotic SPWM Control Based on Spectrum Analysis Approach. IEEE Transactions on Industrial Electronics, 2014, 61, 6128-6137.	5.2	62
131	Consensus of Second-Order Multiagent Systems With Both Velocity and Input Constraints. IEEE Transactions on Industrial Electronics, 2019, 66, 7946-7955.	5.2	62
132	A Robust Adaptive Terminal Sliding Mode Control for Rigid Robotic Manipulators. Journal of Intelligent and Robotic Systems: Theory and Applications, 1999, 24, 23-41.	2.0	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. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2803-2814.	3.7	61
135	ZOH discretization effect on single-input sliding mode control systems with matched uncertainties. Automatica, 2009, 45, 118-125.	3.0	60
136	Pinning Synchronization of Complex Switching Networks With a Leader of Nonzero Control Inputs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 3100-3112.	3.5	60
137	Robust learning control for a class of nonlinear systems with periodic and aperiodic uncertainties. Automatica, 2003, 39, 1957-1966.	3.0	59
138	Output Containment Control for Heterogeneous Linear Multiagent Systems With Fixed and Switching Topologies. IEEE Transactions on Cybernetics, 2019, 49, 4117-4128.	6.2	59
139	Coordination and Control of Complex Network Systems With Switching Topologies: A Survey. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6342-6357.	5.9	59
140	Synchronization of Resilient Complex Networks Under Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1116-1127.	5.9	59
141	On sliding mode control for networked control systems with semi-Markovian switching and random sensor delays. Information Sciences, 2016, 337-338, 44-58.	4.0	58
142	A fuzzy neural network approximator with fast terminal sliding mode and its applications. Fuzzy Sets and Systems, 2004, 148, 469-486.	1.6	57
143	Identification and Evolution of Structurally Dominant Nodes in Protein-Protein Interaction Networks. IEEE Transactions on Biomedical Circuits and Systems, 2014, 8, 87-97.	2.7	57
144	A Super-Twisting-Like Fractional Controller for SPMSM Drive System. IEEE Transactions on Industrial Electronics, 2022, 69, 9376-9384.	5.2	57

#	Article	IF	Citations
145	Finite-time synchronization of neutral complex networks with Markovian switching based on pinning controller. Neurocomputing, 2015, 153, 148-158.	3.5	56
146	Fixed-Time Connectivity-Preserving Distributed Average Tracking for Multiagent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1192-1196.	2.2	56
147	Voltage Control for Distribution Networks via Coordinated Regulation of Active and Reactive Power of DGs. IEEE Transactions on Smart Grid, 2020, 11, 4017-4031.	6.2	56
148	Modeling and Control of Islanded DC Microgrid Clusters With Hierarchical Event-Triggered Consensus Algorithm. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 376-386.	3.5	56
149	Full-order terminal sliding-mode control of MIMO systems with unmatched uncertainties. Journal of the Franklin Institute, 2018, 355, 653-674.	1.9	55
150	An intelligent system for automatic layout routing in aerospace design. Innovations in Systems and Software Engineering, 2007, 3, 117-128.	1.6	54
151	ULTIMATE BOUND ESTIMATION OF A CLASS OF HIGH DIMENSIONAL QUADRATIC AUTONOMOUS DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2679-2694.	0.7	54
152	Stochastic Distributed Frequency and Load Sharing Control for Microgrids With Communication Delays. IEEE Systems Journal, 2019, 13, 4269-4280.	2.9	54
153	Finite-Time Connectivity-Preserving Consensus for Second-Order Nonlinear Multiagent Systems. IEEE Transactions on Control of Network Systems, 2019, 6, 236-248.	2.4	54
154	Review on Oscillatory Stability in Power Grids With Renewable Energy Sources: Monitoring, Analysis, and Control Using Synchrophasor Technology. IEEE Transactions on Industrial Electronics, 2021, 68, 519-531.	5.2	54
155	Sliding Mode Control of a Three Degrees of Freedom Anthropoid Robot by Driving the Controller Parameters to an Equivalent Regime. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 632-640.	0.9	53
156	Conditions for the convergence of evolutionary algorithms. Journal of Systems Architecture, 2001, 47, 601-612.	2.5	53
157	Quantized Iterative Learning Consensus Tracking of Digital Networks With Limited Information Communication. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1473-1480.	7.2	53
158	Controllability and observability of linear time-varying impulsive systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1198-1208.	0.1	52
159	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
160	An invariant-manifold-based method for chaos control. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 930-937.	0.1	51
161	Variable structure control of a class of uncertain systems. Automatica, 2004, 40, 59-64.	3.0	51
162	Asynchronous impulsive containment control in switched multi-agent systems. Information Sciences, 2016, 370-371, 667-679.	4.0	51

#	Article	IF	Citations
163	Correlation of cascade failures and centrality measures in complex networks. Future Generation Computer Systems, 2018, 83, 390-400.	4.9	51
164	Economic power dispatch in smart grids: a framework for distributed optimization and consensus dynamics. Science China Information Sciences, 2018, 61, 1.	2.7	51
165	Consensus Disturbance Rejection for Linear Multiagent Systems With Directed Switching Communication Topologies. IEEE Transactions on Control of Network Systems, 2020, 7, 254-265.	2.4	51
166	Second-Order Sliding Mode Control Design Subject to an Asymmetric Output Constraint. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1278-1282.	2.2	51
167	Fuzzy Modelling and Consensus of Nonlinear Multiagent Systems With Variable Structure. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 1183-1191.	3.5	50
168	Distributed Adaptive Control for Synchronization in Directed Complex Networks. SIAM Journal on Control and Optimization, 2015, 53, 2980-3005.	1.1	50
169	Sliding-Mode Control of Memristive Chua's Systems via the Event-Based Method. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 81-85.	2.2	50
170	Adaptive Second-Order Sliding Mode Control: A Lyapunov Approach. IEEE Transactions on Automatic Control, 2022, 67, 5392-5399.	3.6	50
171	Bridging the gap between complex networks and smart grids. Journal of Control and Decision, 2014, 1, 102-114.	0.7	49
172	Finite-Time Control for Robust Tracking Consensus in MASs With an Uncertain Leader. IEEE Transactions on Cybernetics, 2017, 47, 1210-1223.	6.2	49
173	A Novel Class of Distributed Fixed-Time Consensus Protocols for Second-Order Nonlinear and Disturbed Multi-Agent Systems. IEEE Transactions on Network Science and Engineering, 2019, 6, 760-772.	4.1	49
174	Design and Implementation of Grid Multiwing Butterfly Chaotic Attractors From a Piecewise Lorenz System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 803-807.	2.2	48
175	Theoretical Research on New Laminated Structure Flux Switching Permanent Magnet Machine for Novel Topologic Plug-In Hybrid Electrical Vehicle. IEEE Transactions on Magnetics, 2012, 48, 4050-4053.	1.2	48
176	On Computing the Maximum Time-Delay Bound for Stability of Linear Neutral Systems. IEEE Transactions on Automatic Control, 2004, 49, 2281-2286.	3.6	47
177	Distributed Formation Navigation of Constrained Second-Order Multiagent Systems With Collision Avoidance and Connectivity Maintenance. IEEE Transactions on Cybernetics, 2022, 52, 2149-2162.	6.2	47
178	Multistep Model Predictive Control With Current and Voltage Constraints for Linear Induction Machine Based Urban Transportation. IEEE Transactions on Vehicular Technology, 2017, 66, 10817-10829.	3.9	46
179	Data-Driven Charging Strategy of PEVs Under Transformer Aging Risk. IEEE Transactions on Control Systems Technology, 2018, 26, 1386-1399.	3.2	46
180	Quantized super-twisting algorithm based sliding mode control. Automatica, 2019, 105, 43-48.	3.0	46

#	Article	IF	Citations
181	ZOH Discretization Effect on Higher-Order Sliding-Mode Control Systems. IEEE Transactions on Industrial Electronics, 2008, 55, 4055-4064.	5.2	45
182	Advanced analytics for harnessing the power of smart meter big data. , 2013, , .		45
183	Enhancing Optimal Automatic Generation Control in a Multi-Area Power System With Diverse Energy Resources. IEEE Transactions on Power Systems, 2019, 34, 3465-3475.	4.6	45
184	Game Theoretic-Based Distributed Charging Strategy for PEVs in a Smart Charging Station. IEEE Transactions on Smart Grid, 2021, 12, 538-547.	6.2	45
185	Optimal pinning controllability of complex networks: Dependence on network structure. Physical Review E, 2015, 91, 012803.	0.8	44
186	Hybrid Energy Sharing for Smart Building Cluster With CHP System and PV Prosumers: A Coalitional Game Approach. IEEE Access, 2018, 6, 34098-34108.	2.6	44
187	Synchronization of Multi-Layer Networks: From Node-to-Node Synchronization to Complete Synchronization. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1141-1152.	3.5	43
188	Group Consensus for Heterogeneous Multiagent Systems in the Competition Networks With Input Time Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4655-4663.	5.9	43
189	Toward Intelligent Industrial Informatics: A Review of Current Developments and Future Directions of Artificial Intelligence in Industrial Applications. IEEE Industrial Electronics Magazine, 2020, 14, 57-72.	2.3	43
190	A Novel Secondary Power Management Strategy for Multiple AC Microgrids With Cluster-Oriented Two-Layer Cooperative Framework. IEEE Transactions on Industrial Informatics, 2021, 17, 1483-1495.	7.2	43
191	Stabilizing unstable periodic orbits of chaotic systems via an optimal principle. Journal of the Franklin Institute, 2000, 337, 771-779.	1.9	42
192	Analyzing power network vulnerability with maximum flow based centrality approach. , 2010, , .		42
193	Sliding mode control of MIMO Markovian jump systems. Automatica, 2016, 68, 286-293.	3.0	42
194	Integral-Type Terminal Sliding-Mode Control for Grid-Side Converter in Wind Energy Conversion Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 3702-3711.	5.2	41
195	Robust global terminal sliding mode control of SISO nonlinear uncertain systems. , 0, , .		39
196	Analysis of Zero-Order Holder Discretization of Two-Dimensional Sliding-Mode Control Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 1269-1273.	2.2	39
197	Synchronisation of directed coupled harmonic oscillators with sampledâ€data. IET Control Theory and Applications, 2014, 8, 937-947.	1.2	39
198	Node Importance in Controlled Complex Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 437-441.	2.2	39

#	Article	IF	Citations
199	Heat-Electricity Coupled Peak Load Shifting for Multi-Energy Industrial Parks: A Stackelberg Game Approach. IEEE Transactions on Sustainable Energy, 2020, 11, 1858-1869.	5.9	39
200	TIME DELAYED REPETITIVE LEARNING CONTROL FOR CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1057-1065.	0.7	38
201	Dynamical Behaviors of Discretized Second-Order Terminal Sliding-Mode Control Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 597-601.	2.2	38
202	Tracking Consensus of General Nonlinear Multiagent Systems With External Disturbances Under Directed Networks. IEEE Transactions on Automatic Control, 2019, 64, 4772-4779.	3.6	38
203	Distributed Consensus Tracking of Networked Agent Systems Under Denial-of-Service Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6183-6196.	5.9	38
204	DETECTING UNSTABLE PERIODIC ORBITS IN CHEN'S CHAOTIC ATTRACTOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 1987-1991.	0.7	37
205	Robust absolute stability criteria for uncertain Lur'e systems of neutral type. International Journal of Robust and Nonlinear Control, 2008, 18, 278-295.	2.1	37
206	Finite-time $$varvec{H_{infty }}$$ H âˆž control for linear systems with semi-Markovian switching. Nonlinear Dynamics, 2016, 85, 2297-2308.	2.7	37
207	Discrete-Time Terminal Sliding-Mode Tracking Control With Alleviated Chattering. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1808-1817.	3.7	37
208	Robust Second-Order Consensus Using a Fixed-Time Convergent Sliding Surface in Multiagent Systems. IEEE Transactions on Cybernetics, 2020, 50, 846-855.	6.2	37
209	A Survey on Event-Triggered Sliding Mode Control. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 206-217.	3.0	37
210	Fuzzy modelling and identification with genetic algorithm based learning. Fuzzy Sets and Systems, 2000, 113, 351-365.	1.6	36
211	Sliding-Mode-Based Differentiation and Its Application. IFAC-PapersOnLine, 2017, 50, 1699-1704.	0.5	36
212	Pinning a Complex Network to Follow a Target System With Predesigned Control Inputs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2293-2304.	5.9	36
213	n-scroll chaotic oscillators by second-order systems and double-hysteresis blocks. Electronics Letters, 2003, 39, 1636.	0.5	35
214	New Criteria of Passivity Analysis for Fuzzy Time-Delay Systems With Parameter Uncertainties. IEEE Transactions on Fuzzy Systems, 2015, 23, 2284-2301.	6.5	35
215	Finding the Most Influential Nodes in Pinning Controllability of Complex Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 685-689.	2.2	35
216	Neutralâ€point potential balancing control strategy of threeâ€level active NPC inverter based on SHEPWM. IET Power Electronics, 2017, 10, 1943-1950.	1.5	35

#	Article	IF	Citations
217	Arbitrary-Order Continuous Finite-Time Sliding Mode Controller for Fixed-Time Convergence. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1988-1992.	2.2	35
218	Locating Phase-to-Ground Short-Circuit Faults on Radial Distribution Lines. IEEE Industrial Electronics Magazine, 2007, 54, 1581-1590.	2.3	33
219	Pinning impulsive control algorithms for complex network. Chaos, 2014, 24, 013141.	1.0	33
220	Branch-Wise Parallel Successive Algorithm for Online Voltage Regulation in Distribution Networks. IEEE Transactions on Smart Grid, 2019, 10, 6678-6689.	6.2	33
221	Price-Based Residential Demand Response Management in Smart Grids: A Reinforcement Learning-Based Approach. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 123-134.	8.5	33
222	Ontology based automatic feature recognition framework. Computers in Industry, 2014, 65, 1041-1052.	5.7	32
223	Similarity and duality of electromagnetic and piezoelectric vibration energy harvesters. Mechanical Systems and Signal Processing, 2015, 52-53, 672-684.	4.4	32
224	A Nine-Level Inverter for Low-Voltage Applications. IEEE Transactions on Power Electronics, 2020, 35, 1659-1671.	5.4	32
225	Distributed Adaptive Observer-Based Control for Output Consensus of Heterogeneous MASs With Input Saturation Constraint. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 995-1007.	3.5	32
226	A Newton Method-Based Distributed Algorithm for Multi-Area Economic Dispatch. IEEE Transactions on Power Systems, 2020, 35, 986-996.	4.6	32
227	Velocity and Input Constrained Coordination of Second-Order Multi-Agent Systems With Relative Output Information. IEEE Transactions on Network Science and Engineering, 2020, 7, 1925-1938.	4.1	32
228	Design of variable structure controllers with continuous switching control. International Journal of Control, 1996, 65, 409-431.	1.2	31
229	Eulerâ€™s discretization effect on a twisting algorithm based sliding mode control. Automatica, 2016, 68, 203-208.	3.0	31
230	An Interval Arithmetic-Based State Estimation Framework for Power Distribution Networks. IEEE Transactions on Industrial Electronics, 2019, 66, 8509-8520.	5.2	31
231	Free-Will Arbitrary Time Consensus for Multiagent Systems. IEEE Transactions on Cybernetics, 2022, 52, 4636-4646.	6.2	31
232	Adaptive robust fast control for induction motors. IEEE Transactions on Industrial Electronics, 2000, 47, 854-862.	5.2	30
233	Robust consensus of multi-agent systems with time-varying delays in noisy environment. Science China Technological Sciences, 2011, 54, 2014-2023.	2.0	30
234	A Novel Mixed Cascade Finite-Time Switching Control Design for Induction Motor. IEEE Transactions on Industrial Electronics, 2019, 66, 1172-1181.	5.2	30

#	Article	IF	Citations
235	Finite-Iteration Tracking of Singular Coupled Systems Based on Learning Control With Packet Losses. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 245-255.	5.9	30
236	Fully Distributed Anti-Windup Consensus Protocols for Linear MASs With Input Saturation: The Case With Directed Topology. IEEE Transactions on Cybernetics, 2021, 51, 2359-2371.	6.2	30
237	Evaluating Host-Based Anomaly Detection Systems: Application of the Frequency-Based Algorithms to ADFA-LD. Lecture Notes in Computer Science, 2014, , 542-549.	1.0	30
238	Graphical Features of Functional Genes in Human Protein Interaction Network. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 707-720.	2.7	29
239	Cooperative Mining in Blockchain Networks With Zero-Determinant Strategies. IEEE Transactions on Cybernetics, 2020, 50, 4544-4549.	6.2	29
240	Bounded Synchronization of Heterogeneous Complex Dynamical Networks: A Unified Approach. IEEE Transactions on Automatic Control, 2021, 66, 1756-1762.	3.6	29
241	Resilient Event-Triggered Control Strategies for Second-Order Consensus. IEEE Transactions on Automatic Control, 2022, 67, 4226-4233.	3.6	29
242	Terminal sliding modes with fast transient performance. , 0, , .		28
243	Geometric Features-Based Filtering for Suppression of Impulse Noise in Color Images. IEEE Transactions on Image Processing, 2009, 18, 1742-1759.	6.0	28
244	Noise cancellation of memristive neural networks. Neural Networks, 2014, 60, 74-83.	3.3	28
245	Resilient Consensus of Higher Order Multiagent Networks: An Attack Isolation-Based Approach. IEEE Transactions on Automatic Control, 2022, 67, 1001-1007.	3.6	28
246	Practical Terminal Sliding-Mode Control and Its Applications in Servo Systems. IEEE Transactions on Industrial Electronics, 2023, 70, 752-761.	5.2	28
247	Analysis of discrete variable structure systems with pseudo-sliding modes. International Journal of Systems Science, 1992, 23, 503-516.	3.7	27
248	Adaptive control of chaotic dynamical systems using invariant manifold approach. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 1537-1542.	0.1	27
249	On sliding mode control of single input Markovian jump systems. Automatica, 2014, 50, 2897-2904.	3.0	27
250	Hierarchical Distributed Scheme for Demand Estimation and Power Reallocation in a Future Power Grid. IEEE Transactions on Industrial Informatics, 2017, 13, 2279-2290.	7.2	27
251	Robust Faulted Line Identification in Power Distribution Networks via Hybrid State Estimator. IEEE Transactions on Industrial Informatics, 2019, 15, 5365-5377.	7.2	27
252	Virtual power plants for a sustainable urban future. Sustainable Cities and Society, 2021, 65, 102640.	5.1	27

#	Article	IF	Citations
253	Recent progress on the study of distributed economic dispatch in smart grid: an overview. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 25-39.	1.5	27
254	An improved estimate of the robust stability bound of time-delay systems with norm-bounded uncertainty. IEEE Transactions on Automatic Control, 2003, 48, 1629-1634.	3.6	26
255	Optimal Automatic Generation Control of an Interconnected Power System Under Network Constraints. IEEE Transactions on Industrial Electronics, 2018, 65, 7220-7228.	5.2	26
256	Synchronization of the Networked System With Continuous and Impulsive Hybrid Communications. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 960-971.	7.2	26
257	Optimizing Dynamical Network Structure for Pinning Control. Scientific Reports, 2016, 6, 24252.	1.6	25
258	Multisynchronization of Interconnected Memristor-Based Impulsive Neural Networks With Fuzzy Hybrid Control. IEEE Transactions on Fuzzy Systems, 2018, 26, 3069-3084.	6.5	25
259	Predefined-time optimization for distributed resource allocation. Journal of the Franklin Institute, 2020, 357, 11323-11348.	1.9	25
260	Resilient Consensus of Multiagent Systems Under Malicious Attacks: Appointed-Time Observer-Based Approach. IEEE Transactions on Cybernetics, 2022, 52, 10187-10199.	6.2	25
261	Analysis of a class of discrete-time systems with power rule. Automatica, 2007, 43, 562-566.	3.0	24
262	BIFURCATION ANALYSIS OF SYNCHRONIZED REGIONS IN COMPLEX DYNAMICAL NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250282.	0.7	24
263	Duplication and Divergence Effect on Network Motifs in Undirected Bio-Molecular Networks. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 312-320.	2.7	24
264	Saturated Finite Interval Iterative Learning for Tracking of Dynamic Systems With HNN-Structural Output. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1578-1584.	7.2	24
265	On Consensus of Multiagent Systems With Input Saturation: Fully Distributed Adaptive Antiwindup Protocol Design Approach. IEEE Transactions on Control of Network Systems, 2020, 7, 1127-1139.	2.4	24
266	Finite-Time Stability for Network Systems With Nonlinear Protocols Over Signed Digraphs. IEEE Transactions on Network Science and Engineering, 2020, 7, 1557-1569.	4.1	24
267	Distributed Event-Based Control for Thermostatically Controlled Loads Under Hybrid Cyber Attacks. IEEE Transactions on Cybernetics, 2021, 51, 5314-5327.	6.2	24
268	New Coordinated Control Design for Thermal-Power-Generation Units. IEEE Transactions on Industrial Electronics, 2010, 57, 3848-3856.	5.2	23
269	Robust synchronisation of secondâ€order multiâ€agent system via pinning control. IET Control Theory and Applications, 2015, 9, 775-783.	1.2	23
270	Gaussian Approximation-Based Lossless Compression of Smart Meter Readings. IEEE Transactions on Smart Grid, 2018, 9, 5047-5056.	6.2	23

#	Article	IF	Citations
271	Quantized sliding mode control in delta operator framework. International Journal of Robust and Nonlinear Control, 2018, 28, 519-535.	2.1	23
272	Fast Distributed Average Tracking in Multiagent Networks: The Case With General Linear Agent Dynamics. IEEE Transactions on Control of Network Systems, 2021, 8, 997-1009.	2.4	23
273	SECOND-ORDER TERMINAL SLIDING MODE CONTROL OF INPUT-DELAY SYSTEMS. Asian Journal of Control, 2008, 8, 12-20.	1.9	22
274	Stability Analysis of Second-Order Sliding Mode Control Systems With Input-Delay Using PoincarÃ© Map. IEEE Transactions on Automatic Control, 2013, 58, 2410-2415.	3.6	22
275	Enhancement of Synchronizability in Networks with Community Structure through Adding Efficient Inter-Community Links. IEEE Transactions on Network Science and Engineering, 2016, 3, 106-116.	4.1	22
276	An Improved Sliding-Mode Current Control of Induction Machine in Presence of Voltage Constraints. IEEE Transactions on Industrial Informatics, 2020, 16, 1182-1191.	7.2	22
277	Finite-Time Bipartite Tracking Control for Double-Integrator Networked Systems With Cooperative and Antagonistic Interactions. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5223-5232.	3.5	22
278	Sliding Mode Control of Networked Control Systems: An Auxiliary Matrices-Based Approach. IEEE Transactions on Automatic Control, 2022, 67, 3574-3581.	3.6	22
279	Continuous-Time Distributed Proximal Gradient Algorithms for Nonsmooth Resource Allocation Over General Digraphs. IEEE Transactions on Network Science and Engineering, 2021, 8, 1733-1744.	4.1	22
280	Non-singular terminal sliding mode control and its application for robot manipulators. , 0, , .		21
281	Incremental pattern characterization learning and forecasting for electricity consumption using smart meters. , 2011, , .		21
282	Sliding Mode Control Made Smarter: A Computational Intelligence Perspective. IEEE Systems, Man, and Cybernetics Magazine, 2017, 3, 31-34.	1.2	21
283	Incremental knowledge acquisition and self-learning for autonomous video surveillance. , 2017, , .		21
284	Fullâ€Order Slidingâ€Mode Control of Rigid Robotic Manipulators. Asian Journal of Control, 2019, 21, 1228-1236.	1.9	21
285	Accurate Analysis of Weighted Centroid Localization. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 153-164.	4.9	21
286	Hierarchical Two-Stream Growing Self-Organizing Maps With Transience for Human Activity Recognition. IEEE Transactions on Industrial Informatics, 2020, 16, 7756-7764.	7.2	21
287	On Convergence Performance of Discrete-Time Optimal Control Based Tracking Differentiator. IEEE Transactions on Industrial Electronics, 2021, 68, 3359-3369.	5.2	21
288	Iterative Learning Tracking for Multisensor Systems: A Weighted Optimization Approach. IEEE Transactions on Cybernetics, 2021, 51, 1286-1299.	6.2	21

#	Article	IF	Citations
289	Vulnerability Assessment for Coupled Network Consisting of Power Grid and EV Traffic Network. IEEE Transactions on Smart Grid, 2022, 13, 589-598.	6.2	21
290	Controlling Chaos Using Inputâ€“Output Linearization Approach. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 1659-1664.	0.7	20
291	Periodic behaviors in a digital filter with two's complement arithmetic. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 1177-1190.	0.1	20
292	Accuracy of Some Popular Non-Homogeneous 2-Sliding Modes. IEEE Transactions on Automatic Control, 2013, 58, 2615-2619.	3.6	20
293	The Mean-Square Stability Probability of <inline-formula> <tex-math notation="LaTeX">H_{infty}</tex-math> </inline-formula> Control of Continuous Markovian Jump Systems. IEEE Transactions on Automatic Control, 2016, 61, 1918-1924.	3.6	20
294	Detecting Anomalous Behavior in Cloud Servers by Nested-Arc Hidden SEMI-Markov Model with State Summarization. IEEE Transactions on Big Data, 2019, 5, 305-316.	4.4	20
295	Tracking inherent periodic orbits in chaotic dynamic systems via adaptive variable structure time-delayed self control. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1999, 46, 1408-1411.	0.1	19
296	On global stabilization of nonlinear dynamical systems. , 1999, , 109-122.		19
297	Finite time synchronization of chaotic systems with unmatched uncertainties. , 0, , .		19
298	Real-Time ECG Monitoring System Based on FPGA. , 2007, , .		19
299	SCADA system security: Complexity, history and new developments. , 2008, , .		19
300	Colour image enhancement by virtual histogram approach. IEEE Transactions on Consumer Electronics, 2010, 56, 704-712.	3.0	19
301	Evolution and maintenance of cooperation via inheritance of neighborhood relationship. Science Bulletin, 2013, 58, 3491-3498.	1.7	19
302	Synchronization of coupled harmonic oscillators with random noises. Nonlinear Dynamics, 2015, 79, 473-484.	2.7	19
303	Free-will Arbitrary Time Terminal Sliding Mode Control. IEEE Transactions on Circuits and Systems II: Express Briefs, 2024, , 1-1.	2.2	19
304	Discrete variable structure control systems. International Journal of Systems Science, 1993, 24, 373-386.	3.7	18
305	On finite time mechanism: terminal sliding modes. , 0, , .		18
306	Discrete Sliding Mode Control Design With Invariant Sliding Sectors. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 776-782.	0.9	18

#	Article	IF	Citations
307	A multi-objective constraint-handling method with PSO algorithm for constrained engineering optimization problems. , 2008, , .		18
308	Fault location in radial distribution lines using travelling waves and network theory. , 2011, , .		18
309	Stability Analysis of the Shunt Regulator With Nonlinear Controller in PCU Based on Describing Function Method. IEEE Transactions on Industrial Electronics, 2017, 64, 2044-2053.	5.2	18
310	Global Frequency Synchronization of Complex Power Networks Via Coordinating Switching Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 3123-3133.	3.5	18
311	Admissible Leader-Following Consensus of Fractional-Order Singular Multiagent System via Observer-Based Protocol. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1406-1410.	2.2	18
312	Structural Balance Preserving and Bipartite Static Consensus of Heterogeneous Agents in Cooperation-Competition Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 3223-3234.	4.1	18
313	Distributed Stabilization of Heterogeneous MASs in Uncertain Strong-Weak Competition Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1755-1767.	5.9	18
314	Variable structure control design for uncertain dynamic systems with disturbances in input and output channels. Automatica, 1999, 35, 311-319.	3.0	17
315	Adaptive fast terminal sliding mode tracking control of robotic manipulator. , 0, , .		17
316	Variable Structure Systems with Terminal Sliding Modes. , 2002, , 109-127.		17
317	TIME-DELAYED IMPULSIVE CONTROL OF CHAOTIC HYBRID SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 1091-1104.	0.7	17
318	Higher Order Sliding Mode Control-Based Finite-Time Constrained Stabilization. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 295-299.	2.2	17
319	Fully Distributed Adaptive NN-Based Consensus Protocol for Nonlinear MASs: An Attack-Free Approach. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1561-1570.	7.2	17
320	Switching control strategy for the power system stabilization problem. International Journal of Control, 1995, 62, 1021-1036.	1.2	16
321	SECONDâ€ORDER NONSINGULAR TERMINAL SLIDING MODE DECOMPOSED CONTROL OF UNCERTAIN MULTIVARIABLE SYSTEMS. Asian Journal of Control, 2003, 5, 505-512.	1.9	16
322	A fixed time distributed optimization: A sliding mode perspective. , 2017, , .		16
323	Selecting pinning nodes to control complex networked systems. Science China Technological Sciences, 2018, 61, 1537-1545.	2.0	16
324	Model Predictive Power Dispatch and Control With Price-Elastic Load in Energy Internet. IEEE Transactions on Industrial Informatics, 2019, 15, 1775-1787.	7.2	16

#	Article	IF	Citations
325	Incentive Mechanism for Macrotasking Crowdsourcing: A Zero-Determinant Strategy Approach. IEEE Internet of Things Journal, 2019, 6, 8589-8601.	5.5	16
326	A Cognitive Model for Emotion Awareness in Industrial Chatbots. , 2019, , .		16
327	Averaging Techniques for Balancing Learning and Tracking Abilities Over Fading Channels. IEEE Transactions on Automatic Control, 2021, 66, 2636-2651.	3.6	16
328	Parameter Estimation of Vehicle Batteries in V2G Systems: An Exogenous Function-Based Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 9535-9546.	5.2	16
329	Discretization Effect on a Sliding Mode Control System with Bangâ€“Bang Type Switching. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 1245-1257.	0.7	15
330	Guest Editorial Special Section on Information Technologies in Smart Grids. IEEE Transactions on Industrial Informatics, 2013, 9, 1380-1383.	7.2	15
331	Pinning observability in complex networks. IET Control Theory and Applications, 2014, 8, 2136-2144.	1.2	15
332	Which Generation Unit Should be Selected as Control Leader in Secondary Frequency Control of Microgrids?. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 393-402.	2.7	15
333	Characteristic Modeling Approach for Complex Network Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1383-1388.	5.9	15
334	Robust Distributed Average Tracking for Disturbed Second-Order Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3187-3199.	5.9	15
335	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.	5.9	15
336	Optimal economic dispatch by fast distributed gradient. , 2014, , .		14
337	Stability of Singular Discrete-Time Neural Networks With State-Dependent Coefficients and Run-to-Run Control Strategies. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6415-6420.	7.2	14
338	Designing Event-Triggered Observers for Distributed Tracking Consensus of Higher-Order Multiagent Systems. IEEE Transactions on Cybernetics, 2022, 52, 3302-3313.	6.2	14
339	Learning Tracking Control Over Unknown Fading Channels Without System Information. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2721-2732.	7.2	14
340	Nonsmooth Resource Allocation of Multiagent Systems With Disturbances: A Proximal Approach. IEEE Transactions on Control of Network Systems, 2021, 8, 1454-1464.	2.4	14
341	Sliding-Mode-Based Robust Output Regulation and Its Application in PMSM Servo Systems. IEEE Transactions on Industrial Electronics, 2023, 70, 1852-1860.	5.2	14
342	Experimental confirmation of a new chaotic attractor. Chaos, Solitons and Fractals, 2004, 21, 69-74.	2.5	13

#	Article	IF	Citations
343	Enhancing Pinning Controllability of Complex Networks Through Link Rewiring. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 690-694.	2.2	13
344	Cooperative secondary frequency control of distributed generation: The role of data communication network topology. International Journal of Electrical Power and Energy Systems, 2017, 92, 221-229.	3.3	13
345	Fully Distributed Consensus Tracking of Multiagent Systems With a High-Dimensional Leader and Directed Communication Topology. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1431-1435.	2.2	13
346	Continuous distributed algorithms for solving linear equations in finite time. Automatica, 2020, 113, 108755.	3.0	13
347	Finite-Time Stability of Network Systems With Discontinuous Dynamics Over Signed Digraphs. IEEE Transactions on Automatic Control, 2020, 65, 4874-4881.	3.6	13
348	Synchronization of Complex Networks With Nondifferentiable Time-Varying Delay. IEEE Transactions on Cybernetics, 2022, 52, 3342-3348.	6.2	13
349	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.	2.2	13
350	Unified Stability Analysis for ItÃ´ Stochastic Systems: From Almost Surely Asymptotic to Finite-Time Convergence. IEEE Transactions on Automatic Control, 2022, 67, 406-412.	3.6	13
351	Local Measurement Based Formation Navigation of Nonholonomic Robots With Globally Bounded Inputs and Collision Avoidance. IEEE Transactions on Network Science and Engineering, 2021, 8, 2342-2354.	4.1	13
352	A Lyapunov-Based Approach for Recursive Continuous Higher Order Nonsingular Terminal Sliding-Mode Control. IEEE Transactions on Automatic Control, 2021, 66, 4424-4431.	3.6	13
353	Distributed Nash Equilibrium Seeking Under Event-Triggered Mechanism. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3441-3445.	2.2	13
354	On Multiscroll Chaotic Attractors in Hysteresis-Based Piecewise-Linear Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2007, 54, 1004-1008.	2.2	12
355	Aging effect on leakage current flow in wooden poles. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 133-138.	1.8	12
356	Semi-supervised classification of characterized patterns for demand forecasting using smart electricity meters. , 2011, , .		12
357	Colored Noise Induced Bistable Switch in the Genetic Toggle Switch Systems. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2015, 12, 579-589.	1.9	12
358	An opinion formation based binary optimization approach for feature selection. Physica A: Statistical Mechanics and Its Applications, 2018, 491, 142-152.	1.2	12
359	Controllability of complex networks: Choosing the best driver set. Physical Review E, 2018, 98, .	0.8	12
360	Distributed Convex Optimization on State-Dependent Undirected Graphs: Homogeneity Technique. IEEE Transactions on Control of Network Systems, 2020, 7, 42-52.	2.4	12

#	Article	IF	Citations
361	Global Stabilization of Uncertain SISO Dynamical Systems Using a Multiple Delayed Partial State Feedback Sliding Mode Control. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1259-1263.	2.2	12
362	A Dynamic Robust Restoration Framework for Unbalanced Power Distribution Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 6301-6312.	7.2	12
363	Euler's Discretization Effect on a Sliding-Mode Control System With Supertwisting Algorithm. IEEE Transactions on Automatic Control, 2021, 66, 2817-2824.	3.6	12
364	Adaptive Event-Triggered Strategy for Economic Dispatch in Uncertain Communication Networks. IEEE Transactions on Control of Network Systems, 2021, 8, 1881-1891.	2.4	12
365	Distributed Online Bandit Learning in Dynamic Environments Over Unbalanced Digraphs. IEEE Transactions on Network Science and Engineering, 2021, 8, 3034-3047.	4.1	12
366	Digital variable structure control with pseudo-sliding modes. , 1994, , 133-159.		11
367	Title is missing!. Annals of Operations Research, 2001, 108, 193-209.	2.6	11
368	NONSINGULAR TERMINAL SLIDING MODE CONTROL OF A CLASS OF NONLINEAR DYNAMICAL SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 161-165.	0.4	11
369	Synchronization of uncertain chaotic systems using a single transmission channel. Chaos, Solitons and Fractals, 2008, 35, 755-762.	2.5	11
370	Hybrid terminal sliding mode observer design method for permanent magnet synchronous motor control system. , 2008, , .		11
371	Study of Periodic Solutions in Discretized Two-Dimensional Sliding-Mode Control Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 381-385.	2.2	11
372	A new sliding mode-based learning control scheme. , 2011, , .		11
373	A new control system to strengthen the LVRT capacity of DFIG based on both crowbar and DC chopper circuits. , 2012, , .		11
374	Nonlinear Dynamic Modelling of Platelet Aggregation via Microfluidic Devices. IEEE Transactions on Biomedical Engineering, 2015, 62, 1718-1727.	2.5	11
375	Designing adaptive consensus-based scheme for economic dispatch of smart grid. , 2016, , .		11
376	Cooperation of Multiagent Systems With Mismatch Parameters: A Viewpoint of Power Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 693-697.	2.2	11
377	A cognitive data stream mining technique for context-aware IoT systems. , 2017, , .		11
378	Intelligent Detection of Driver Behavior Changes for Effective Coordination Between Autonomous and Human Driven Vehicles. , 2018, , .		11

#	Article	IF	Citations
379	Robust consensus of fractionalâ€order singular uncertain multiâ€agent systems. Asian Journal of Control, 2020, 22, 2377-2387.	1.9	11
380	Leaderless Consensus of Ring-Networked Mobile Robots via Distributed Saturated Control. IEEE Transactions on Industrial Electronics, 2020, 67, 10723-10731.	5.2	11
381	Computer-controlled variable-structure systems. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1992, 34, 1-17.	0.3	10
382	Fuzzy terminal sliding mode control of two-link flexible manipulators. , 2008, , .		10
383	Consensus of multi-agent systems with an active leader and asymmetric adjacency matrix. , 2009, , .		10
384	Modelling, analysis and control of multi-agent systems: A brief overview. , 2011, , .		10
385	Integer Data Zero-Watermark Assisted System Calls Abstraction and Normalization for Host Based Anomaly Detection Systems. , 2015, , .		10
386	Functional characteristics of additional positive feedback in genetic circuits. Nonlinear Dynamics, 2015, 79, 397-408.	2.7	10
387	Robust nodeâ€toâ€node consensus of linear multiagent systems with directed switching topologies subject to uncertain pinning communications. International Journal of Robust and Nonlinear Control, 2018, 28, 1886-1900.	2.1	10
388	Learning Tracking Over Unknown Fading Channels Based on Iterative Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 48-60.	7.2	10
389	Controlling Halo-Chaos via Variable Structure Method. Chinese Physics Letters, 2003, 20, 2110-2113.	1.3	9
390	On singularity free recursive fast terminal sliding mode control. , 2008, , .		9
391	A Novel Recursive Terminal Sliding Mode with Finite-Time Convergence. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 5945-5949.	0.4	9
392	Sliding-mode control for systems with mismatched uncertainties via a disturbance observer. , 2011, , .		9
393	Terminal sliding mode observer for anomaly detection in TCP/IP networks. , 2011, , .		9
394	Robust Shape-Feature-Vector-Based Face Recognition System. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 3781-3791.	2.4	9
395	Secondâ€order consensus of multiâ€agent systems with noise. IET Control Theory and Applications, 2014, 8, 2026-2032.	1.2	9
396	Analysis of cascaded failures in power networks using maximum flow based complex network approach. , 2016, , .		9

#	Article	IF	Citations
397	Analysis of Delayed Sliding Mode Control Systems Under Zero-Order Holder Discretization. IEEE Transactions on Automatic Control, 2016, 61, 2739-2744.	3.6	9
398	Speed Control of Induction Motor Servo Drives Using Terminal Sliding-Mode Controller. Studies in Systems, Decision and Control, 2018, , 341-356.	0.8	9
399	Recursive surface structure for fixedâ€time convergence with applications to power systems. IET Control Theory and Applications, 2018, 12, 2595-2604.	1.2	9
400	A Robust [K,KL] Sector for Nonlinear System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2547-2551.	2.2	9
401	Integrating Demand Response and Renewable Energy In Wholesale Market. , 2018, , .		9
402	Distributed Time-Varying Optimization of Second-Order Multiagent Systems Under Limited Interaction Ranges. IEEE Transactions on Cybernetics, 2022, 52, 13874-13886.	6.2	9
403	Nonsmooth Observer-Based Sensorless Speed Control for Permanent Magnet Synchronous Motor. IEEE Transactions on Industrial Electronics, 2022, 69, 13514-13523.	5.2	9
404	Formation control for unmanned surface vessels: A gameâ€theoretic approach. Asian Journal of Control, 2022, 24, 498-509.	1.9	9
405	Step response of a second-order digital filter with two's complement arithmetic. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 510-522.	0.1	8
406	Model of a TDI line scan camera and its electronics. , 0, , .		8
407	A New Type of Cascading Synchronization for Halo-Chaos and Its Potential for Communication Applications. Chinese Physics Letters, 2004, 21, 1429-1432.	1.3	8
408	A Smart Supervisory Control System framework for a sugar mill crystallisation stage. , 2008, , .		8
409	Periodic Input Response of a Second-Order Digital Filter With Two's Complement Arithmetic. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 225-229.	2.2	8
410	On complex network approach for fault detection in power grids. , 2009, , .		8
411	Internal model control based on a novel least square support vector machines for MIMO nonlinear discrete systems. Neural Computing and Applications, 2011, 20, 1159-1166.	3.2	8
412	Flux estimation of induction motors using high-order terminal sliding-mode observer. , 2012, , .		8
413	Stability probability in sliding mode control of second order Markovian jump systems. , 2014, , .		8
414	Discretization behaviors of a super-twisting algorithm based sliding mode control system. , 2015, , .		8

#	ARTICLE	IF	CITATIONS
415	Effective Augmentation of Complex Networks. Scientific Reports, 2016, 6, 25627.	1.6	8
416	Quantization Effect on Sliding Mode Control of Uncertain Dynamical Systems. Asian Journal of Control, 2016, 18, 1142-1146.	1.9	8
417	Stabilizing two-dimensional stochastic systems through sliding mode control. Journal of the Franklin Institute, 2017, 354, 5813-5824.	1.9	8
418	Apache spark based distributed self-organizing map algorithm for sensor data analysis. , 2017, , .		8
419	Sliding-Mode Control for Stabilizing High-Order Stochastic Systems: Application to One-Degree-of-Freedom Aerial Device. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4318-4325.	5.9	8
420	Trusted-Region Subsequence Reduction for Designing Resilient Consensus Algorithms. IEEE Transactions on Network Science and Engineering, 2021, 8, 259-268.	4.1	8
421	Continuous detection of concept drift in industrial cyber-physical systems using closed loop incremental machine learning. Discover Artificial Intelligence, 2021, 1, 1.	2.1	8
422	Distributed Resource Allocation via Accelerated Saddle Point Dynamics. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1588-1599.	8.5	8
423	Bifurcation and Chaotic Behaviors in a Discrete Variable Structure System with Unbounded Control Magnitude. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 1897-1905.	0.7	7
424	STABILIZING UNSTABLE PERIODIC ORBITS OF CHAOTIC SYSTEMS WITH UNKNOWN PARAMETERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 611-620.	0.7	7
425	TRACKING PRECISION ANALYSIS OF TERMINAL SLIDING MODE CONTROL SYSTEMS WITH SATURATION FUNCTIONS. , 2000, , .		7
426	A new fuzzy sliding mode control scheme. , 0, , .		7
427	Sliding mode control of a class of uncertain systems. , 0, , .		7
428	Terminal sliding mode control of MIMO linear systems with unmatched uncertainties. , 0, , .		7
429	Improved Baker Map for Image Encryption. , 0, , .		7
430	Leakage current flow through wooden pole structures of varying age on overhead distribution system. , 2007, , .		7
431	A new terminal sliding mode tracking control for a class of nonminimum phase systems with uncertain dynamics. , 2008, , .		7
432	Developing a rule engine for Automated Feature Recognition from CAD models. , 2009, , .		7

#	Article	IF	Citations
433	An improved training algorithm for feedforward neural network learning based on terminal attractors. Journal of Global Optimization, 2011, 51, 271-284.	1.1	7
434	Quantization Behaviors in Equivalent-Control Based Sliding-Mode Control Systems. Lecture Notes in Control and Information Sciences, 2013, , 221-241.	0.6	7
435	Periodic behaviors of a discretized twisting algorithm based sliding mode control system. , 2014, , .		7
436	Features Based Spatial and Temporal Blotch Detection for Archive Video Restoration. Journal of Signal Processing Systems, 2015, 81, 213-226.	1.4	7
437	A fast terminal sliding mode observer for TCP/IP network anomaly traffic detection. , 2015, , .		7
438	Roles of node dynamics and data network structure on cooperative secondary control of distributed power grids. , 2016, , .		7
439	Distributed robust fixed-time consensus in multi-agent systems with nonlinear dynamics and uncertain disturbances. , 2016, , .		7
440	Intelligent battery management for electric and hybrid electric vehicles: A survey. , 2016, , .		7
441	An Evolutionary Based Multi-Objective Filter Approach for Feature Selection. , 2017, , .		7
442	Bio-Inspired Multisensory Fusion for Autonomous Robots. , 2018, , .		7
443	Reasoning over OWL/SWRL Ontologies under CWA and UNA for Industrial Applications. Lecture Notes in Computer Science, 2011, , 789-798.	1.0	7
444	Free-Will Arbitrary Time Terminal Sliding Mode Control. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3189-3193.	2.2	7
445	Tracking inherent periodic orbits in chaotic system via adaptive time delayed self-control. , 0, , .		6
446	An RBF neural network-based adaptive control for SISO linearisable nonlinear systems. Neural Computing and Applications, 1998, 7, 71-77.	3.2	6
447	Adaptive output feedback variable-structure control design for uncertain dynamic systems. International Journal of Control, 1998, 69, 145-162.	1.2	6
448	Switching control for multi-scroll chaos generation: an overview. , 0, , .		6
449	Dynamical behaviours of a 3D hysteresis-based system. Chaos, Solitons and Fractals, 2006, 28, 182-192.	2.5	6
450	Stability analysis of time-delayed single-input sliding mode control systems. , 2008, , .		6

#	Article	IF	Citations
451	One new model based predictive torque control algorithm for doubly salient permanent magnet synchronous machines. , 2012, , .		6
452	A step forward to pinning control of complex networks: Finding an optimal vertex to control. , 2013, , .		6
453	Constrained cluster based blind localization of primary user for cognitive radio networks. , 2015, , .		6
454	Distributed consensus strategy for economic power dispatch in a smart grid. , 2015, , .		6
455	Editorial: Slidingâ€Mode Based Disturbance Estimation, Attenuation and Fault Detection. IET Control Theory and Applications, 2015, 9, 511-514.	1.2	6
456	A new metric for measuring influence of nodes in cooperative frequency control of distributed generation systems. , 2016, , .		6
457	Reply to â€œComments on â€˜Chattering free full-order sliding-mode controlâ€™ [Automatica 50 (2014) 1310â€“1314]â€• Automatica, 2016, 72, 255-256.	3.0	6
458	A Global Optimization Approach Based on Opinion Formation in Complex Networks. IEEE Transactions on Network Science and Engineering, 2019, 6, 173-187.	4.1	6
459	Non-Differentiable Function Tracking. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1835-1839.	2.2	6
460	Distributed Rigidity Recovery in Distance-Based Formations Using Configuration Lattice. IEEE Transactions on Control of Network Systems, 2020, 7, 1547-1558.	2.4	6
461	Blockchain: What Does It Mean to Industrial Electronics?: Technologies, Challenges, and Opportunities. IEEE Industrial Electronics Magazine, 2022, 16, 4-14.	2.3	6
462	Data-Driven Stochastic Game With Social Attributes for Peer-to-Peer Energy Sharing. IEEE Transactions on Smart Grid, 2021, 12, 5158-5171.	6.2	6
463	Settling Time Estimation in Synchronization of Impulsive Networks With Switching Topologies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2386-2397.	5.9	6
464	Variable Structure Systems Theory in Computational Intelligence. , 2002, , 365-390.		6
465	Delta-Operator-Based Reaching Laws for Sliding Mode Control Design. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2136-2140.	2.2	6
466	Resilient Model Predictive Adaptive Control of Networked Z-Source Inverters Using GMDH. IEEE Transactions on Smart Grid, 2022, 13, 3723-3734.	6.2	6
467	Difference equation modelling of a variable structure system. Computers and Mathematics With Applications, 1994, 28, 281-289.	1.4	5
468	Nonlinear Behaviors of Bandpass Sigma–Delta Modulators With Stable System Matrices. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 1240-1244.	2.3	5

#	Article	IF	Citations
469	Industrial Decision Support System (IDSS) in Weed Control and Management Strategies: Expert Advice Using Descriptive Schemata and Explanatory Capabilities. , 2007, , .		5
470	A Modified PSO Algorithm for Constrained Multi-objective Optimization. , 2009, , .		5
471	Performance optimization for networked control systems with limited channels and data drift. , 2010, , .		5
472	Adaptive backstepping hybrid terminal sliding-mode control for permanent magnet synchronous motor. , 2010, , .		5
473	Fault location in power networks using graph theory. , 2010, , .		5
474	Assessing cascading failure in power networks based on power line correlations. , 2011, , .		5
475	Evaluating impact of plug-in hybrid electric vehicle charging on power quality. , 2011, , .		5
476	Exploring evolutionary dynamics in a class of structured populations. , 2012, , .		5
477	A continuous sliding mode controller for the PMSM speed regulation based on disturbance observer. , 2014, , .		5
478	A new class of generalized continuous robust control algorithm for arbitrary order systems. , 2016, , .		5
479	A data fusion technique for smart home energy management and analysis. , 2016, , .		5
480	Voltage Control in Distributed Generation Systems Based on Complex Network Approach. Energy Procedia, 2017, 110, 334-339.	1.8	5
481	A new method for optimal FTU placement in distribution network under consideration of power service reliability. Science China Technological Sciences, 2017, 60, 1885-1896.	2.0	5
482	Statistical distribution of position error in weighted centroid localization. , 2017, , .		5
483	Consensus-Based Distributed Event-Triggered Communication Control for AC Microgrids. , 2018, , .		5
484	Consensus Tracking in Multi-Node Systems Using Iterative Learning Control Based on Delay Exponential Matrix. Unmanned Systems, 2018, 06, 209-219.	2.7	5
485	Optimization of Communication Network Topology in Distributed Control Systems Subject to Prescribed Decay Rate. IEEE Transactions on Cybernetics, 2021, 51, 4277-4285.	6.2	5
486	Adaptive asymptotical tracking controller design for uncertain nonaffine nonlinear system with highâ€order mismatched disturbances. International Journal of Adaptive Control and Signal Processing, 2019, 33, 731-746.	2.3	5

#	Article	IF	Citations
487	HT-GSOM: Dynamic Self-organizing Map with Transience for Human Activity Recognition. , 2019, , .		5
488	On Necessary and Sufficient Conditions for Exponential Consensus in Dynamic Networks via Uniform Complete Observability Theory. IEEE Transactions on Automatic Control, 2021, 66, 4975-4981.	3.6	5
489	An Evolutionary Multi-criteria Journey Planning Algorithm for Multimodal Transportation Networks. Lecture Notes in Computer Science, 2017, , 144-156.	1.0	5
490	A New Design of Sliding Mode Control Systems. Lecture Notes in Control and Information Sciences, 2011, , 151-167.	0.6	5
491	Sliding-Mode Control of Uncertain Time-Varying Systems With State Delays: A Non-Negative Constraints Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1516-1524.	5.9	5
492	TIME DELAYED DISCRETE VARIABLE STRUCTURE CONTROL WITH QUASI-SLIDING MODES. , 2000, , .		5
493	An efficient, open-bid procurement auction for small-scale electricity markets. Applied Energy, 2022, 314, 118867.	5.1	5
494	Robust global fast terminal sliding mode controller for rigid robotic manipulators. , 0, , .		4
495	Modeling-error based adaptive fuzzy sliding mode control for trajectory-tracking of nonlinear systems. , 0, , .		4
496	Optimization of terminal sliding control for two-link flexible manipulators. , 0, , .		4
497	Robust H//subâˆž/ control for uncertain takagi-sugeno fuzzy systems with interval time-varying delay. , 0, , .		4
498	A novel decision support framework for industrial processes. , 2005, , .		4
499	An approach for stability analysis of a single-bit high-order digital sigma-delta modulator. , 2007, 17, 1040-1054.		4
500	Time-delay effect on equivalent control based single-input sliding mode control systems. , 2008, , .		4
501	Power generation loading optimization using a multi-objective constraint-handling method via PSO algorithm. , 2008, , .		4
502	Convergence accuracy analysis of discretized sliding mode control systems. , 2010, , .		4
503	An unsupervised neural network approach to predictive data mining. International Journal of Data Mining, Modelling and Management, 2011, 3, 1.	0.1	4
504	Design of grid multi-wing butterfly chaotic attractors from piecewise Lü system based on switching control and heteroclinic orbit. , 2011, , .		4

#	Article	IF	Citations
505	A linear-prediction maximum power point tracking algorithm for photovoltaic power generation. , 2012, , .		4
506	High-order terminal sliding-mode observer for speed estimation of induction motors. , 2013, , .		4
507	Magnetics design for a 2.5-kW battery charger. , 2014, , .		4
508	Networked optimization for demand side management based on non-cooperative game. , 2015, , .		4
509	Quantisation effect on zeroâ€orderâ€holder discretisation of multiâ€input slidingâ€mode control systems. IET Control Theory and Applications, 2015, 9, 2613-2618.	1.2	4
510	PV energy sharing cloud: Towards automatic pricing and energy management. , 2016, , .		4
511	Probability Analysis of Terminal Sliding Mode Control of Secondâ€Order Markovian Jump Systems. Asian Journal of Control, 2016, 18, 1385-1394.	1.9	4
512	Distributed voltage control for DC mircogrids with coupling delays & noisy disturbances. , 2017, , .		4
513	On A Discrete-Time Quasi-Sliding Mode Control. , 2018, , .		4
514	A New Metric to Find the Most Vulnerable Node in Complex Networks. , 2018, , .		4
515	Performance Analysis of Distributed Short-Path Set Based Routing in Complex Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1426-1430.	2.2	4
516	Fuzzy Neighborhood Learning for Deep 3-D Segmentation of Point Cloud. IEEE Transactions on Fuzzy Systems, 2020, 28, 3181-3192.	6.5	4
517	Hybrid Neural Adaptive Control for Practical Tracking of Markovian Switching Networks. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2157-2168.	7.2	4
518	A Knowledge-Based Approach to Design Automation of Wire and Pipe Routing through Complex Aerospace Structures. Advanced Concurrent Engineering, 2011, , 225-232.	0.2	4
519	Ensemble Classification Model for EV Identification From Smart Meter Recordings. IEEE Transactions on Industrial Informatics, 2023, 19, 3274-3283.	7.2	4
520	An Adaptive Control Using Fuzzy Basis Function Expansions for a Class of Nonlinear Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 1998, 21, 257-275.	2.0	3
521	Tracking unstable periodic orbits in chaotic systems via time delayed feedback control. , 0, , .		3
522	A generalized OGY method for controlling higher order chaotic systems. , 0, , .		3

#	Article	IF	Citations
523	Continuous finite-time control for robotic manipulators with terminal sliding modes. , 2003, , .		3
524	Discriminative analysis for image to sound mapping. , 0, , .		3
525	P-expert: integrated expert advisory system for control and management of parthenium weed infestation. , 0, , .		3
526	A Novel Time Independent Asynchronous Communication Protocol&Its Applications. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	3
527	Nonsingular Terminal Sliding Mode Control of Uncertain Multivariable Systems. , 0, , .		3
528	A Large-Scale Agro Decision Support System: Framework for (Physical) Fusion of a Multi-Input and Multi-Output Hybrid System. , 2007, , .		3
529	High-order Nonsingular Terminal Sliding Mode Control of Uncertain Multivariable Systems. , 2007, , .		3
530	On ZOH Discretization of Higher-Order Sliding Mode Control Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3830-3835.	0.4	3
531	A novel symmetric image encryption approach based on an invertible two-dimensional map. , 2009, , .		3
532	Nonsingular terminal sliding mode control of uncertain two-link flexible manipulators. , 2009, , .		3
533	Chattering analysis of time-delayed second-order sliding mode control systems using Poincaré map. , 2010, , .		3
534	Semi-global output feedback tracking control for fully actuated ships. Asian Journal of Control, 2011, 13, 570-575.	1.9	3
535	Analysis of the leakage current on polluted insulators using correlation coefficient. , 2011, , .		3
536	GLOBAL STABILITY, LIMIT CYCLES AND CHAOTIC BEHAVIORS OF SECOND ORDER INTERPOLATIVE SIGMA DELTA MODULATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1755-1772.	0.7	3
537	Dynamic output feedback sliding mode control for magnetic bearing system stabilization. , 2012, , .		3
538	Terminal sliding mode control of induction generator for wind energy conversion systems. , 2012, , .		3
539	A novel method to optimize the active crowbar resistance for low voltage ride through operation of doubly-fed induction generator based on wind energy. , 2012, , .		3
540	Monotonicity of fixation probability of evolutionary dynamics on complex networks. , 2012, , .		3

#	Article	IF	Citations
541	Comparison of two types of nonlinear controllers for magnetic bearing system stabilization: An experimental approach. , 2012, , .		3
542	Chattering-Free Terminal Sliding-Mode Observer for Anomaly Detection. Lecture Notes in Computer Science, 2012, , 57-65.	1.0	3
543	Discretization effects in single input delayed sliding mode control systems. , 2013, , .		3
544	High-order sliding-mode based energy saving control of induction motor. , 2013, , .		3
545	On zero-order holder discretization of delayed sliding mode control systems. , 2014, , .		3
546	Characterizing leakage current on polluted insulators by measuring nonlinearity. , 2014, , .		3
547	Identification of important nodes in artificial bio-molecular networks. , 2014, , .		3
548	Network constrained optimal automatic generation control for a two area power System. , 2015, , .		3
549	A knowledge-based magnetic component design system with finite element analysis integration. , 2015, , .		3
550	Sliding-mode observers for real-time DDoS detection. , 2016, , .		3
551	Comparative studies of router-based observation schemes for anomaly detection in TCP/UDP networks. , 2016, , .		3
552	Optimal DoS attack strategy against remote state estimation over lossy networks. , 2017, , .		3
553	Gain margin technique based continuous sliding-mode control of induction motors. , 2017, , .		3
554	Selective load reduction in power grids in order to minimise the effects of cascade failures. , 2017, , .		3
555	Fixed-time Converging Terminal Surface with Non-singular Control Design for Second-order Systems. IFAC-PapersOnLine, 2017, 50, 5139-5143.	0.5	3
556	Special focus on distributed cooperative analysis, control and optimization in networks. Science China Information Sciences, 2017, 60, 1.	2.7	3
557	The optimal EV charging/discharging strategy in smart grid from a perspective of sharing-economy. , 2017, , .		3
558	Gossip-based distributed active load voltage control for low-voltage microgrids. , 2017, , .		3

#	Article	IF	Citations
559	Effect of disconnection of generation units on the rate of change of frequency in distributed power systems. , 2017, , .		3
560	Two-Channel Periodic Event-Triggered Observer-Based Repetitive Control for Periodic Reference Tracking. , 2018, , .		3
561	A Second-Order Sliding Mode Voltage Oriented Control of Three-Phase Active Front End Rectifier. , 2018, , .		3
562	Noise-resilient distributed frequency control for droop-controlled renewable microgrids. , 2018, , .		3
563	Reaching Law Based Sliding Mode Control for Discrete Time System with Uncertainty. , 2018, , .		3
564	Multilayered Self-triggered Control for Thermostatically Controlled Loads. , 2019, , .		3
565	A Motif-based Classification Algorithm for Identifying Solar Panel Installations. , 2020, , .		3
566	High-Order Terminal Sliding-Mode Observers for Anomaly Detection. Lecture Notes in Computer Science, 2012, , 497-504.	1.0	3
567	Soft Fusion based Cooperative Spectrum Prediction using LSTM. , 2021, , .		3
568	Accelerated Learning Control for Point-to-Point Tracking Systems. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1265-1277.	7.2	3
569	FUZZY SLIDING MODE CONTROL SYSTEMS WITH ADAPTIVE ESTIMATION. Cybernetics and Systems, 1999, 30, 663-680.	1.6	2
570	Prediction of Parthenium weed infestation using fuzzy logic applied to geographic information system (GIS) spatial image. , 0, , .		2
571	A new output regulation using sliding-mode technique for a class of SISO linear time-varying systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1880-1884.	0.1	2
572	A robust on-line learning algorithm for intelligent control systems. International Journal of Adaptive Control and Signal Processing, 2003, 17, 489-500.	2.3	2
573	An approach for image sonification. , 0, , .		2
574	Thematic Fuzzy Prediction of Weed Dispersal Using Spatial Dataset. Studies in Computational Intelligence, 2005, , 147-162.	0.7	2
575	OCCURRENCE OF ELLIPTICAL FRACTAL PATTERNS IN MULTI-BIT BANDPASS SIGMA DELTA MODULATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 3377-3380.	0.7	2
576	A new way of generating grid-scroll chaos and its application to biometric authentication. , 2005, , .		2

#	Article	IF	Citations
577	Discretization Behaviors of Sliding Mode Control Systems with Matched Uncertainties. , 2006, , .		2
578	Microprocessor Communications for Cost Sensitive Products. , 2006, , .		2
579	A New Time Independent Asynchronous Protocol and Its Applications. IEEE Transactions on Industrial Informatics, 2007, 3, 143-153.	7.2	2
580	Study of zero-order holder discretization in single input sliding mode control systems. , 2008, , .		2
581	Feedback Control of T-S Fuzzy Systems Based on LTV System Theory. International Journal of Electrical Engineering and Education, 2009, 46, 47-58.	0.4	2
582	Packet dropout separation-based networked control systems quantitative synthesis. , 2010, , .		2
583	Multi-dimensional signals transmission via single channel for chaos synchronization. , 2010, , .		2
584	Adaptive and impulsive cluster synchronization of a general complex dynamical network. , 2010, , .		2
585	Adaptive surveillance video noise suppression. , 2011, , .		2
586	Finite frequency approaches to H<inf>∞</inf> filtering for continuous-time state-delayed systems. , 2011, , .		2
587	One step prediction-based packet dropout compensation for networked control systems. , 2011, , .		2
588	Quantization effect on sliding-mode control of a second-order dynamical system. , 2012, , .		2
589	Sliding-Mode Observer Based Flux Estimation of Induction Motors. Lecture Notes in Computer Science, 2012, , 530-539.	1.0	2
590	Adaptive progressive filter to remove impulse noise in highly corrupted color images. Signal, Image and Video Processing, 2013, 7, 817-831.	1.7	2
591	Optimal PHEV charge scheduling for additional power loss ratio and charging cost minimizations. , 2013, , .		2
592	QUANTIZATION EFFECT ON A SECOND-ORDER DYNAMICAL SYSTEM UNDER SLIDING-MODE CONTROL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350131.	0.7	2
593	A new method for DFIG fault ride through using resistance and capacity crowbar circuit. , 2013, , .		2
594	Computer-Aided power transformer design: A short review. , 2013, , .		2

#	Article	IF	Citations
595	Variable Structure Control and Applications. Mathematical Problems in Engineering, 2013, 2013, 1-2.	0.6	2
596	Characterizing the effect of network structure on evolutionary dynamics via a novel measure of structural heterogeneity. , 2013, , .		2
597	Topological characterization of housekeeping genes in human protein-protein interaction network. , 2014, , .		2
598	Identifying line vulnerability in power system using maximum flow based complex network theory. , 2014, , .		2
599	Observer design for consensus of general fractional-order multi-agent systems. , 2014, , .		2
600	Characterizing impedance profiles for leakage currents from HV insulators on wooden poles. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 1338-1346.	1.8	2
601	Terminal sliding-mode control of induction motor speed servo systems. , 2016, , .		2
602	Estimating Passenger Preferences Using Implicit Relevance Feedback for Personalized Journey Planning. Lecture Notes in Computer Science, 2017, , 157-168.	1.0	2
603	Distributed consensus based optimization in dynamical economic dispatch. , 2017, , .		2
604	Full-order terminal sliding-mode based energy saving control of induction motors. , 2017, , .		2
605	Online SoC estimation for Li-ion batteries: A survey explore the distributed secure cloud management to battery packs. , 2017, , .		2
606	Cyber-physical aspects of hierarchical control for co-multi-microgrids in the energy Internet. , 2017, , .		2
607	Enhancing stability of cooperative secondary frequency control by link rewiring. , 2017, , .		2
608	Multi-objective journey planning under uncertainty. , 2018, , .		2
609	Simplifying Complex Network Stability Analysis via Hierarchical Node Aggregation and Optimal Periodic Control. IEEE Transactions on Neural Networks and Learning Systems, 2020, 32, 1-10.	7.2	2
610	Distributed resource allocation: an indirect dual ascent method with an exponential convergence rate. Nonlinear Dynamics, 2020, 102, 1685-1699.	2.7	2
611	Controller and Observer design for Chaotic Systems: A Vector Based Contraction Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3282-3286.	2.2	2
612	Characteristic Model-Based Control Approach for Complex Network Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3599-3607.	5.9	2

#	Article	IF	Citations
613	Batch-Based Learning Consensus of Multiagent Systems With Faded Neighborhood Information. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2965-2977.	7.2	2
614	AC Servo Systems. The Electrical Engineering Handbook, 2011, , 1-17.	0.2	2
615	Performance Analysis of Long Short-Term Memory-Based Markovian Spectrum Prediction. IEEE Access, 2021, 9, 149582-149595.	2.6	2
616	Distributed Optimal Cooperation for Multiple High-Order Nonlinear Systems With Lipschitz-Type Gradients: Static and Adaptive State-Dependent Designs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5378-5388.	5.9	2
617	Finite-Time Convergent Primalâ€“Dual Gradient Dynamics With Applications to Distributed Optimization. IEEE Transactions on Cybernetics, 2023, 53, 3240-3252.	6.2	2
618	Nonlinear Behaviors of Bandpass Sigma Delta Modulators with Stable System Matrices. , 0, , .		1
619	Sampling period selection for the digital implementation of a variable structure control. , 0, , .		1
620	Robust adaptive sliding mode control with modified regressor matrix and composite adaptation for robotic manipulators. Advanced Robotics, 1997, 12, 53-66.	1.1	1
621	Adaptive control of linear MIMO systems using backstepping approach. , 1998, , .		1
622	Evolutionary design of fuzzy gain scheduling controllers. , 0, , .		1
623	Invariant sliding sectors for discrete sliding mode control. , 0, , .		1
624	Variable structure control for MRAC systems with perturbations in input and output channels. Science in China Series D: Earth Sciences, 2000, 43, 430-448.	0.9	1
625	Self-tuning relay control design for MIMO systems with fast convergence. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 1548-1552.	0.1	1
626	Repetitive learning time-delayed control for chaotic systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 249-254.	0.4	1
627	Time-delayed chaos control with repetitive learning. , 0, , .		1
628	Discretizing sliding mode control: from chattering to unstable motion. , 0, , .		1
629	Stabilization of T-S fuzzy systems using LTV system theory. , 2003, , .		1
630	Prediction of weed dispersal dynamics: determining multiple concurrent fuzzy consequences using priority stacks on a blackboard model. , 0, , .		1

#	Article	IF	Citations
631	Digital Redesign of Sliding Mode Control of LTI Systems. , 2006, , .		1
632	Single compartment fire risk analysis using a fuzzy neural network. , 2006, , .		1
633	Equivalence of two discretization schemes in a simple sliding mode control system. , 2007, , .		1
634	A New Nonlinear Controller for Power Generation Unit. , 2007, , .		1
635	Fast Terminal Attractor Based Backpropagation Algorithm For Feedforward Neural Networks. , 2007, , .		1
636	A generalised CFD learning and prediction system. , 2007, , .		1
637	Mechanical Resonance Suppressing Method for PMSM System based on High-order Sliding Modes. , 2007, , .		1
638	Study of discretization of two-dimensional sliding mode control systems. , 2007, , .		1
639	Remote Sensing in Decision Support Systems: Using Fuzzy Post Adjustment in Localisation of Weed Prediction. , 2007, , .		1
640	An adaptive grid method and its application to CFD learning and prediction. , 2008, , .		1
641	Adaptive geometric features based filtering impulse noise in colour images. , 2008, , .		1
642	A networked sliding mode controller for servomechanical systems. , 2009, , .		1
643	Euler discretization of second-order terminal sliding mode control systems. , 2009, , .		1
644	Interest points based object tracking with controlled cameras. , 2009, , .		1
645	Industrial Process Model Integration Using a Blackboard Model within a Pan Stage Decision Support System. , 2009, , .		1
646	Ontology based geometry recognition for STEP. , 2010, , .		1
647	Mining classification rules via an apriori approach. , 2010, , .		1
648	High-order terminal sliding modes control for induction motor. , 2010, , .		1

#	Article	IF	Citations
649	Sliding mode control for offshore steel jacket platforms. , 2010, , .		1
650	An Optimised Design for Agent Capability Reuse. , 2010, , .		1
651	Observation and control for air-breathing hypersonic aircrafts based on sliding mode method. , 2011, , .		1
652	An interval probability maximum hybrid entropy assessment method of equipment sensitivity due to voltage sag. , 2011, , .		1
653	Adaptive high-order terminal sliding modes control with decoupling stator current for induction motor. , 2011, , .		1
654	Periodic behaviors in discretized second-order terminal sliding mode control systems. , 2011, , .		1
655	A generalized power transfer distribution factor for power injection analysis of power grids. , 2012, , .		1
656	On the Lyapunov exponent of consensus algorithm. , 2012, , .		1
657	A multi-module anomaly detection scheme based on system call prediction. , 2013, , .		1
658	An enhancing dynamic self-organizing map for data clustering. , 2013, , .		1
659	Consensus tracking of multi-agent systems with reduced information: A fractional-order protocol approach. , 2014, , .		1
660	Computational Science in Smart Grids and Energy Systems. Journal of Applied Mathematics, 2015, 2015, 1-2.	0.4	1
661	Hybrid Load Profile Clustering for identifying patterns of electricity consumers. , 2016, , .		1
662	Power usage spike detection using smart meter data for load profiling. , 2016, , .		1
663	A novel optimization method based on opinion formation in complex networks. , 2016, , .		1
664	A stochastic game for energy resource trading in the context of Energy Internet. , 2016, , .		1
665	Characteristic modelling of complex networks. , 2016, , .		1
666	A multi-agent simulation framework for distributed generation with battery storage. , 2017, , .		1

#	Article	IF	Citations
667	Cascade PI-continuous second-order sliding mode control for induction motor. , 2017, , .		1
668	Performance recovery of undirected formations subject to failures in communication links. , 2017, , .		1
669	State estimation for a TCP/IP network using terminal sliding-mode methodology. , 2017, , .		1
670	Distributed node-to-node state consensus of two-layer multi-agent systems. , 2017, , .		1
671	Estimation of SoC of Batteries Using Terminal Sliding-Mode Observer. , 2018, , .		1
672	An Online Estimation Algorithm of State-of-Charge of Lithium-Ion Batteries. , 2018, , .		1
673	Discrete Time Intermittent Sliding Mode Control with Multirate Output Feedback. , 2018, , .		1
674	Discrete-Time Quasi-Sliding Mode Control of Induction Motors. , 2018, , .		1
675	Distributed Power Sharing Control for Low-voltage Microgrids Through Multiagent Networks Subject to Disturbances. , 2018, , .		1
676	Robust Nonlinear Adaptive Backstepping Coordinated Control for Boiler-Turbine Units. , 2018, , .		1
677	Robust Consensus of Fractional-Order Singular Uncertain Multi-Agent System Under Undirected Graph. , 2018, , .		1
678	Characteristic Modeling Approach for High-Order Linear Dynamical Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5405-5413.	5.9	1
679	A Neural Networks Based Approach for Fast Mining Characteristic Rules. Lecture Notes in Computer Science, 1999, , 36-47.	1.0	1
680	Frequency-Response of Non-Singular Terminal Sliding Mode Control With Actuators. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1392-1396.	2.2	1
681	Weighted Small World Complex Networks: Smart Sliding Mode Control. Lecture Notes in Computer Science, 2009, , 935-944.	1.0	1
682	Modeling of Surveillance Video Noise. , 2011, , .		1
683	A Discontinuous Projection-Based Algorithm for Solving Distributed Optimization With Linear Equation Constraints. , 2020, , .		1
684	On Eulerâ€™s Discretization of Sliding Mode Control Systems with Relative Degree Restriction. , 2008, , 119-133.		1

#	Article	IF	Citations
685	A Resilient Distributed Consensus Control Scheme for DC Microgrids Over Fading Channels. , 2021, , .		1
686	Solar PV Detection Using an Optimal Template Approach with Genetic Algorithm. , 2021, , .		1
687	Adaptive Attack-free Output-feedback Consensus Protocol for Nonlinear MASs. , 2020, , .		1
688	Periodic behaviors in a digital filter with two's complement arithmetic. , 0, , .		0
689	Discretisation effect on optimal control of harmonic oscillators. Electronics Letters, 1996, 32, 412.	0.5	0
690	Automated fuzzy knowledge acquisition with connectionist adaptation. Neural Computing and Applications, 1996, 4, 27-34.	3.2	0
691	Controlling chaos in dynamical systems using variable structure. , 0, , .		0
692	Switching-based signal estimation with digital implementation. Signal Processing, 1998, 65, 135-141.	2.1	0
693	Controller design for linear time varying systems by backstepping. , 1998, , .		0
694	Switching Control Design For Inverter-Fed Induction Motors. International Journal of Modelling and Simulation, 1999, 19, 144-149.	2.3	0
695	Finite time output tracking control of nonlinear dynamic systems with non-minimum phase. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 1396-1400.	0.4	0
696	Sliding mode control signal analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 4118-4122.	0.4	0
697	A sliding mode-control for SISO systems with a new fuzzy model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 8625-8628.	0.4	0
698	A fuzzy neural network approximator with fast terminal sliding mode and its applications. , 0, , .		0
699	A HYBRID FINITE TIME VARIABLE STRUCTURE CONTROLLER FOR RIGID ROBOTIC MANIPULATORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 389-394.	0.4	0
700	Indirect Adaptive Fuzzy Control of Nonlinear Systems with Terminal Sliding Modes. Studies in Fuzziness and Soft Computing, 2002, , 263-276.	0.6	0
701	INVARIANT STRUCTURE OF NONLINEAR SYSTEMS WITH APPLICATION TO CHAOS CONTROL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1149-1157.	0.7	0
702	Discretization behavior analysis of a switching control system from a unified mathematical approach. Journal of Control Theory and Applications, 2003, 1, 43-52.	0.8	0

#	Article	IF	Citations
703	A new dynamical fuzzy modeling and control for SISO complex systems. , 0, , .		0
704	Sinusoidal steady-state analysis for fault location in power distribution systems. , 0, , .		0
705	A further study of nonlinear feedback system with chaotic oscillation. , 0, , .		0
706	An Efficient Implementation Algorithm of IIR Filter Based on CPLD. , 0, , .		0
707	A Novel Method for Continuous Periodic Interference Suppression in On-Line PD Monitoring of Transformers. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	0
708	Stability Analysis Of A Third-Order Digital Sigma-Delta Modulator. , 2006, , .		0
709	Irregular Periodic Discretization Behaviors of Sliding Mode Control Systems. , 0, , .		0
710	Single compartment fire risk analysis using a fuzzy neural network. , 0, , .		0
711	An Intelligent Decision Support Tool for Automatic Engineering of Aircraft Electrical Wiring Harnesses and Pipes. , 2007, , .		0
712	An approximate analysis for the dynamics of sigma-delta systems. , 2007, , .		0
713	Colour image enhancement by hybrid approach. , 2008, , .		0
714	Stabilization of oscillators with bounded delayed input: Sliding mode control method. , 2008, , .		0
715	An improved Levenberg-Marquardt learning algorithm for neural networks based on terminal attractors. , 2008, , .		0
716	Synchronization Behavior Analysis for Coupled Lorenz Chaos Dynamic Systems via Complex Networks. Lecture Notes in Computer Science, 2009, , 870-879.	1.0	0
717	Functional Characteristics and Proposed Deployment Infrastructure of an Industrial Decision Support System within a Sugar Mill Crystallisation Stage. , 2009, , .		0
718	Putting Simple Hierarchy into Ant Foraging: Cluster-Based Soft-Bots. , 2009, , .		0
719	Introduction to IES panel discussion on Smart Grids. , 2010, , .		0
720	Building an explanation generation mechanism in probabilistic knowledge-based systems. , 2010, , .		0

#	Article	IF	Citations
721	Spatial and temporal statistical information based motion estimation. , 2010, , .		0
722	A sliding mode observer design method for induction motor control system. , 2010, , .		0
723	Time-delay effect on continuous approximation of sliding mode control. , 2010, , .		0
724	Stabilization of non-uniform sampling networked control systems. , 2011, , .		0
725	Improving reasoning capability for ontology-based geometric product model. , 2011, , .		0
726	A dynamic neighbourhood particle swarm optimisation algorithm for constrained optimisation. , 2011, , .		0
727	Industrial decision support requirements and expectations for a sugar mill crystallisation stage. , 2011, , .		0
728	Convexity-preserving formation control of multi-agent systems. , 2011, , .		0
729	Guest Editorial Special Section on Soft Computing in Industrial Informatics. IEEE Transactions on Industrial Informatics, 2012, 8, 731-732.	7.2	0
730	Top-k future system call prediction based multi-module anomaly detection system. , 2013, , .		0
731	Fuzzy sampled controller design for consensus of multiagent networks with varying connections. , 2013, , .		0
732	Preliminary investigation of the viability of Islanded Microgrids in urban environments. , 2013, , .		0
733	Distributed Control and Estimation of Networked Agent Systems. Mathematical Problems in Engineering, 2013, 2013, 1-1.	0.6	0
734	Regulation of dynamic platelet aggregation in response to shear rate micro-gradients in a microfluidics device applying switching control. , 2013, , .		0
735	Observers design in complex networks: Pinning observability. , 2013, , .		0
736	A forward step for adaptive synchronization in directed complex networks. , 2013, , .		0
737	Cooperative Control and Its Engineering Applications in Power Systems. Scientific World Journal, The, 2014, 2014, 1-1.	0.8	0
738	An intelligent relational pattern matching system for electricity demand prediction. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
739	Maximum Power Point Tracking Control of Wind Energy Conversion Systems. Advances in Industrial Control, 2014, , 49-67.	0.4	0
740	Dynamic evaluation and control of blood clotting using a microfluidic platform for high-throughput diagnostics. , 2015, , .		0
741	Handling communication loss in automatic generation control using MPC. , 2016, , .		0
742	The Euler's discretization effect on sliding mode control of perturbed double integrator. , 2016, , .		0
743	Selecting magnetic cores for higher power inductors. , 2016, , .		0
744	Adaptive backstepping control of time-delayed nonlinear Markovian jump systems. , 2016, , .		0
745	Full-order terminal sliding-mode observer for induction motor speed servo systems. , 2017, , .		0
746	Frequency regulation using optimal demand and governor response in a deregulated environment. , 2017, , .		0
747	Synchronization of extended Kuramoto oscillators via a parameterized approach. , 2017, , .		0
748	Roles of policy settings in distributed generation with battery storage. , 2017, , .		0
749	Continuous sliding-mode control for nonlinear systems with unmatched uncertainties. , 2017, , .		0
750	Industrial Electronics-Keeping Abreast of the Times [Message from the President]. IEEE Industrial Electronics Magazine, 2018, 12, 4-5.	2.3	0
751	Discovering the structure of cascade propagation in power grids. , 2018, , .		0
752	Approximating low cost state space areas in economic load dispatch with valve-point loading effects. , 2018, , .		0
753	Hyperbolic Function Hybrid Switching Sliding Surface Design For Discrete-Time Uncertainty Systems*. , 2018, , .		0
754	Asymptotic Consensus Tracking of Uncertain Multi-Agent Systems with a High-Dimensional Leader: A Neuro-Adaptive Approach. , 2018, , .		0
755	IES on the Move [Message from the President]. IEEE Industrial Electronics Magazine, 2018, 12, 4-5.	2.3	0
756	Pinning Synchronization of Complex Networks with Switching Topology and a Dynamic Target System. Lecture Notes in Computer Science, 2018, , 86-96.	1.0	0

#	Article	IF	Citations
757	Conditional Preference Learning for Personalized and Context-Aware Journey Planning. Lecture Notes in Computer Science, 2018, , 451-463.	1.0	0
758	Robust Pinning Synchronization of Complex Network with Non-linear Coupling using Switching Control. , 2018, , .		0
759	A Non-singular Terminal Recursive Surface Structure Design for Higher-order Systems. , 2019, , .		0
760	Bifurcation and chaos in digital filters: identification of periodic solutions. Science China Information Sciences, 2019, 62, 1.	2.7	0
761	Descending-clock reverse auction for electricity markets considering power flow constraints. , 2019, , .		0
762	Signal approximation with Pascalâ€™s triangle and sampling. , 2020, , .		0
763	Artificial Delayed Output Twisting Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1079-1083.	2.2	0
764	Discrete-Time Optimal Control of Double Integrators and its Application in Maglev Train. IEEJ Journal of Industry Applications, 2021, , .	0.9	0
765	Phase-to-Phase Wave Parameters Measurement of Distribution Lines Based on BP Networks. Lecture Notes in Computer Science, 2002, , 284-292.	1.0	0
766	Evolving Agents for Global Optimization. Applied Optimization, 2003, , 281-292.	0.4	0
767	Composite Video Noise Modelling and Suppressing. , 2011, , .		0
768	On Fixed-Time Convergent Sliding Mode Control Design and Applications. Studies in Systems, Decision and Control, 2021, , 203-237.	0.8	0
769	Neural State Feedback Control of Reserve Energy Utilisation for Coal-Fired Power Plants to Enhance Frequency Performance. , 2021, , .		0
770	Rule extraction from electricity load profile data for smart metering analytics. , 2021, , .		0
771	Learning Rule Optimization and Comparative Evaluation of Accelerated Self-Organizing Maps for Industrial Applications. , 2021, , .		0
772	Self-triggered Consensus Control for Multilayered Cluster Network. , 2021, , .		0
773	A Supercapacitor-based Inertial Response Scheme to Enhance Frequency Stability in Future Energy Systems with Large Wind Parks. , 2020, , .		0
774	Enhancing Voltage Compliance in Distribution Network under Cloud and Edge Computing Framework. IEEE Transactions on Cloud Computing, 2022, , 1-1.	3.1	0

#	Article	IF	Citations
775	Consensus of fractional-order multi-agent systems via current and time-delay states feedback. International Journal of Systems Science, 0, , 1-11.	3.7	0