Zhi-Hong Guan

List of Publications by Year
in descending order

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Version: 2024-02-01

272 papers	9,152 citations	44069 48 h-index	51608 86 g-index
272 all docs	272 docs citations	272 times ranked	4168 citing authors

#	Article	IF	Citations
1	Chaos-based image encryption algorithm. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 346, 153-157.	2.1	587
2	Synchronization of Complex Dynamical Networks With Time-Varying Delays Via Impulsive Distributed Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2182-2195.	5.4	383
3	On hybrid impulsive and switching systems and application to nonlinear control. IEEE Transactions on Automatic Control, 2005, 50, 1058-1062.	5.7	370
4	Delay-dependent exponential stability of uncertain stochastic systems with multiple delays: an LMI approach. Systems and Control Letters, 2005, 54, 547-555.	2.3	242
5	On delayed impulsive Hopfield neural networks. Neural Networks, 1999, 12, 273-280.	5.9	224
6	Impulsive consensus algorithms for second-order multi-agent networks with sampled information. Automatica, 2012, 48, 1397-1404.	5.0	223
7	Consensus of Multi-Agent Networks With Aperiodic Sampled Communication Via Impulsive Algorithms Using Position-Only Measurements. IEEE Transactions on Automatic Control, 2012, 57, 2639-2643.	5.7	217
8	Sliding-Mode Velocity Control of Mobile-Wheeled Inverted-Pendulum Systems. IEEE Transactions on Robotics, 2010, 26, 750-758.	10.3	201
9	Pulse-Modulated Intermittent Control in Consensus of Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 783-793.	9.3	193
10	Distributed Control of Nonlinear Multiagent Systems With Unknown and Nonidentical Control Directions via Event-Triggered Communication. IEEE Transactions on Cybernetics, 2020, 50, 1820-1832.	9.5	175
11	Finite-Time Consensus for Leader-Following Second-Order Multi-Agent Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2646-2654.	5.4	173
12	Guaranteed cost control for uncertain markovian jump systems with mode-dependent time-delays. IEEE Transactions on Automatic Control, 2003, 48, 2270-2276.	5.7	170
13	Generalized synchronization of continuous chaotic system. Chaos, Solitons and Fractals, 2006, 27, 97-101.	5.1	150
14	Passivity-based control and synchronization of general complex dynamical networks. Automatica, 2009, 45, 2107-2113.	5.0	144
15	Guaranteed performance consensus in second-order multi-agent systems with hybrid impulsive control. Automatica, 2014, 50, 2415-2418.	5.0	132
16	On impulsive autoassociative neural networks. Neural Networks, 2000, 13, 63-69.	5.9	131
17	Reliable dissipative control for stochastic impulsive systems. Automatica, 2008, 44, 1004-1010.	5.0	120
18	Consensus Analysis Based on Impulsive Systems in Multiagent Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 170-178.	5.4	107

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19	Multi-formation control of nonlinear leader-following multi-agent systems. ISA Transactions, 2017, 69, 140-147.	5.7	101
20	On equilibria, stability, and instability of Hopfield neural networks. IEEE Transactions on Neural Networks, 2000, 11, 534-540.	4.2	98
21	Stability, robust stabilization and control of singular-impulsive systems via switching control. Systems and Control Letters, 2006, 55, 879-886.	2.3	96
22	Distributed controllerâ€“estimator for target tracking of networked robotic systems under sampled interaction. Automatica, 2016, 69, 410-417.	5.0	93
23	Delayed Impulsive Control for Consensus of Multiagent Systems With Switching Communication Graphs. IEEE Transactions on Cybernetics, 2020, 50, 3045-3055.	9.5	93
24	Optimal tracking performance and design of networked control systems with packet dropouts. Journal of the Franklin Institute, 2013, 350, 3205-3216.	3.4	92
25	Passive stability and synchronization of complex spatio-temporal switching networks with time delays. Automatica, 2009, 45, 1721-1728.	5.0	91
26	Robust Stabilization of Complex Switched Networks With Parametric Uncertainties and Delays Via Impulsive Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 2100-2108.	5.4	88
27	Spreading dynamics of a SIQRS epidemic model on scale-free networks. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 686-692.	3.3	88
28	Event-triggered control for networked control systems with quantization and packet losses. Journal of the Franklin Institute, 2015, 352, 974-986.	3.4	84
29	Distributed event-driven control for finite-time consensus. Automatica, 2019, 103, 88-95.	5.0	80
30	On impulsive control of a periodically forced chaotic pendulum system. IEEE Transactions on Automatic Control, 2000, 45, 1724-1727.	5.7	78
31	A HYBRID IMPULSIVE AND SWITCHING CONTROL STRATEGY FOR SYNCHRONIZATION OF NONLINEAR SYSTEMS AND APPLICATION TO CHUA'S CHAOTIC CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 229-238.	1.7	72
32	On controllability and observability for a class of impulsive systems. Systems and Control Letters, 2002, 47, 247-257.	2.3	67
33	Multistability of Delayed Hybrid Impulsive Neural Networks With Application to Associative Memories. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1537-1551.	11.3	66
34	Time-varying formation tracking of multiple manipulators via distributed finite-time control. Neurocomputing, 2016, 202, 20-26.	5.9	64
35	Impulsive Multiconsensus of Second-Order Multiagent Networks Using Sampled Position Data. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2678-2688.	11.3	62
36	Leader-following finite-time consensus for multi-agent systems with jointly-reachable leader. Nonlinear Analysis: Real World Applications, 2012, 13, 2271-2284.	1.7	59

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37	Optimal tracking performance of MIMO discreteâ€time systems with communication constraints. International Journal of Robust and Nonlinear Control, 2012, 22, 1429-1439.	3.7	58
38	Distributed Threeâ€Dimensional Formation Containment Control of Multiple Unmanned Aerial Vehicle Systems. Asian Journal of Control, 2017, 19, 1103-1113.	3.0	57
39	Distributed containment control of fractional-order uncertain multi-agent systems. Journal of the Franklin Institute, 2016, 353, 1672-1688.	3.4	55
40	Decentralized stabilization of singular and time-delay large-scale control systems with impulsive solutions. IEEE Transactions on Automatic Control, 1995, 40, 1437-1441.	5.7	53
41	Cluster Synchronization of Coupled Genetic Regulatory Networks With Delays via Aperiodically Adaptive Intermittent Control. IEEE Transactions on Nanobioscience, 2017, 16, 585-599.	3.3	53
42	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
43	Robust H/sub /spl infin// control of singular impulsive systems with uncertain perturbations. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 293-298.	2.2	52
44	Stabilization of complex network with hybrid impulsive and switching controlâ˜†. Chaos, Solitons and Fractals, 2008, 37, 1372-1382.	5.1	52
45	Finite-time consensus for leader-following second-order multi-agent system. International Journal of Systems Science, 2013, 44, 727-738.	5.5	52
46	Leaderâ€“follower flocking based on distributed eventâ€triggered hybrid control. International Journal of Robust and Nonlinear Control, 2016, 26, 143-153.	3.7	52
47	Three-dimensional containment control for multiple unmanned aerial vehicles. Journal of the Franklin Institute, 2016, 353, 2929-2942.	3.4	49
48	Bipartite Average Tracking for Multi-Agent Systems With Disturbances: Finite-Time and Fixed-Time Convergence. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4393-4402.	5.4	49
49	Consensus of second-order multi-agent systems via impulsive control using sampled hetero-information. Automatica, 2013, 49, 2881-2886.	5.0	48
50	Optimal Tracking Performance Limitation of Networked Control Systems With Limited Bandwidth and Additive Colored White Gaussian Noise. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 189-198.	5.4	48
51	Consensus of second-order multi-agent dynamic systems with quantized data. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 387-393.	2.1	47
52	Distributed output consensus of heterogeneous multi-agent systems via an output regulation approach. Neurocomputing, 2019, 360, 131-137.	5.9	47
53	Adaptive Tracking Control of Cooperative Robot Manipulators With Markovian Switched Couplings. IEEE Transactions on Industrial Electronics, 2021, 68, 2427-2436.	7.9	45
54	Observer-Based Dynamic Event-Triggered Semiglobal Bipartite Consensus of Linear Multi-Agent Systems With Input Saturation. IEEE Transactions on Cybernetics, 2023, 53, 3139-3152.	9.5	44

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55	An epidemic spreading model on adaptive scale-free networks with feedback mechanism. Physica A: Statistical Mechanics and Its Applications, 2016, 450, 649-656.	2.6	43
56	Consensus of second-order and high-order discrete-time multi-agent systems with random networks. Nonlinear Analysis: Real World Applications, 2012, 13, 1979-1990.	1.7	42
57	Epidemic spreading on networks with overlapping community structure. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1848-1854.	2.6	42
58	Robust stabilization of singular-impulsive-delayed systems with nonlinear perturbations. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 1011-1019.	0.1	41
59	ON IMPULSIVE CONTROL AND ITS APPLICATION TO CHEN'S CHAOTIC SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1191-1197.	1.7	41
60	Optimal tracking and two-channel disturbance rejection under control energy constraint. Automatica, 2011, 47, 733-738.	5.0	40
61	Stability and Bifurcation Analysis of Cyclic Genetic Regulatory Networks with Mixed Time Delays. SIAM Journal on Applied Dynamical Systems, 2015, 14, 202-220.	1.6	40
62	Containment control of multi-agent systems via a disturbance observer-based approach. Journal of the Franklin Institute, 2019, 356, 2919-2933.	3.4	40
63	Routing in scale-free networks based on expanding betweenness centrality. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 1131-1138.	2.6	39
64	Hopf bifurcation control in the XCP for the Internet congestion control system. Nonlinear Analysis: Real World Applications, 2012, 13, 1466-1479.	1.7	39
65	Stability and bifurcation analysis of new coupled repressilators in genetic regulatory networks with delays. Neural Networks, 2014, 60, 222-231.	5.9	39
66	Multi-consensus of multi-agent networks via a rectangular impulsive approach. Systems and Control Letters, 2015, 76, 28-34.	2.3	39
67	A distributed event-triggered transmission strategy for exponential consensus of general linear multi-agent systems with directed topology. Journal of the Franklin Institute, 2015, 352, 5866-5881.	3.4	38
68	Distributed finiteâ€time formation tracking control of multiâ€agent systems via FTSMC approach. IET Control Theory and Applications, 2017, 11, 2585-2590.	2.1	38
69	Analysis of a new three-dimensional system with multiple chaotic attractors. Nonlinear Dynamics, 2014, 75, 331-343.	5.2	37
70	Intelligent Impulsive Synchronization of Nonlinear Interconnected Neural Networks for Image Protection. IEEE Transactions on Industrial Informatics, 2018, 14, 3775-3787.	11.3	37
71	Stochastic fault tolerant control of networked control systems. Journal of the Franklin Institute, 2009, 346, 1006-1020.	3.4	36
72	Mean square average-consensus for multi-agent systems with measurement noise and time delay. International Journal of Systems Science, 2013, 44, 995-1005.	5.5	36

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73	Delay-dependent exponential stability of neural networks with variable delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 355-363.	2.1	35
74	Stability and bifurcation of delay-coupled genetic regulatory networks with hub structure. Journal of the Franklin Institute, 2019, 356, 2847-2869.	3.4	35
75	Multi-tracking of second-order multi-agent systems using impulsive control. Nonlinear Dynamics, 2016, 84, 1771-1781.	5.2	34
76	An Efficient Hybrid Control Strategy for Restraining Rumor Spreading. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6779-6791.	9.3	34
77	Synchronization of Complex Dynamical Networks with Switching Topology via Adaptive Control. , 2006, , .		33
78	Flocking of multiâ€agent nonholonomic systems with unknown leader dynamics and relative measurements. International Journal of Robust and Nonlinear Control, 2017, 27, 3685-3702.	3.7	32
79	Modeling wireless sensor networks using random graph theory. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3008-3016.	2.6	31
80	A stochastic SIR epidemic on scale-free network with community structure. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 974-981.	2.6	31
81	Quantized stabilization of wireless networked control systems with packet losses. ISA Transactions, 2016, 64, 92-97.	5.7	31
82	Consensus and performance optimisation of multiâ€agent systems with positionâ€only information via impulsive control. IET Control Theory and Applications, 2013, 7, 16-24.	2.1	30
83	GENERATION OF MULTI-WING CHAOTIC ATTRACTORS FROM A LORENZ-LIKE SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350152.	1.7	30
84	Event-based cluster synchronization of coupled genetic regulatory networks. Physica A: Statistical Mechanics and Its Applications, 2017, 482, 649-665.	2.6	30
85	Multistability and Bifurcation Analysis of Inhibitory Coupled Cyclic Genetic Regulatory Networks With Delays. IEEE Transactions on Nanobioscience, 2017, 16, 216-225.	3.3	30
86	Exponential Consensus Analysis for Multiagent Networks Based on Time-Delay Impulsive Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1073-1080.	9.3	30
87	Multisynchronization of Coupled Heterogeneous Genetic Oscillator Networks via Partial Impulsive Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 335-342.	11.3	28
88	Delay-dependent stability and stabilizability of uncertain jump bilinear stochastic systems with mode-dependent time-delays. International Journal of Systems Science, 2005, 36, 275-285.	5.5	27
89	Quantized Consensus of Multiâ€Agent Systems Via Broadcast Gossip Algorithms. Asian Journal of Control, 2012, 14, 1634-1642.	3.0	27
90	Modified tracking performance limitations of unstable linear SIMO feedback control systems. Automatica, 2014, 50, 262-267.	5.0	27

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91	Multiâ€Consensus of Nonlinearly Networked Multiâ€Agent Systems. Asian Journal of Control, 2015, 17, 157-164.	3.0	27
92	Best achievable tracking performance for networked control systems with encoderâ€“decoder. Information Sciences, 2015, 305, 184-195.	6.9	27
93	Generating chaos for discrete time-delayed systems via impulsive control. Chaos, 2010, 20, 013135.	2.5	26
94	Fundamental performance limitations of networked control systems with novel trade-off factors and constraint channels. Journal of the Franklin Institute, 2017, 354, 3120-3133.	3.4	26
95	Multisynchronization of Interconnected Memristor-Based Impulsive Neural Networks With Fuzzy Hybrid Control. IEEE Transactions on Fuzzy Systems, 2018, 26, 3069-3084.	9.8	25
96	Controlling bifurcations and chaos in TCPâ€“UDPâ€“RED. Nonlinear Analysis: Real World Applications, 2010, 11, 1491-1501.	1.7	24
97	Best Tracking Performance of Networked Control Systems Based on Communication Constraints. Asian Journal of Control, 2014, 16, 1155-1163.	3.0	24
98	Performance limitations in the tracking and regulation problem for discrete-time systems. ISA Transactions, 2014, 53, 251-257.	5.7	24
99	Multi-consensus of multi-agent systems with various intelligences using switched impulsive protocols. Information Sciences, 2016, 349-350, 188-198.	6.9	24
100	Energy-Aware Routing in Wireless Sensor Networks Using Local Betweenness Centrality. International Journal of Distributed Sensor Networks, 2013, 9, 307038.	2.2	23
101	Observer-Based Bipartite Containment Control for Singular Multi-Agent Systems Over Signed Digraphs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 444-457.	5.4	23
102	Bifurcation and chaotic behavior of a discrete-time Ricardoâ€“Malthus model. Nonlinear Dynamics, 2013, 71, 437-446.	5.2	22
103	Bifurcations and chaos of a discrete-time model in genetic regulatory networks. Nonlinear Dynamics, 2017, 87, 567-586.	5.2	22
104	Optimal tracking over noisy channels in the presence of data dropouts. IET Control Theory and Applications, 2013, 7, 1634-1641.	2.1	21
105	Multiconsensus of fractional-order uncertain multi-agent systems. Neurocomputing, 2015, 168, 698-705.	5.9	21
106	Wide-area multiple line-outages detection in power complex networks. International Journal of Electrical Power and Energy Systems, 2016, 79, 132-141.	5.5	21
107	Chaotification of complex networks with impulsive control. Chaos, 2012, 22, 023137.	2.5	20
108	A new chaotic Hopfield neural network and its synthesis via parameter switchings. Neurocomputing, 2013, 117, 33-39.	5.9	20

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109	The minimal signal-to-noise ratio required for stability of control systems over a noisy channel in the presence of packet dropouts. Information Sciences, 2016, 372, 579-590.	6.9	20
110	Multiâ€flocking of networked nonâ€holonomic mobile robots with proximity graphs. IET Control Theory and Applications, 2016, 10, 2093-2099.	2.1	20
111	Distributed optimal active power dispatch with energy storage units and power flow limits in smart grids. International Journal of Electrical Power and Energy Systems, 2019, 105, 420-428.	5.5	20
112	Event-Triggered Adaptive Output Regulation for a Class of Nonlinear Systems With Unknown Control Direction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3181-3188.	9.3	20
113	Consensus problem in multi-agent systems with physical position neighbourhood evolving network. Physica A: Statistical Mechanics and Its Applications, 2007, 379, 681-690.	2.6	19
114	Multi-radius geographical spatial networks: Statistical characteristics and application to wireless sensor networks. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 198-204.	2.6	19
115	Neimarkâ€“Sacker bifurcation analysis on a numerical discretization of Gause-type predatorâ€“prey model with delay. Journal of the Franklin Institute, 2015, 352, 1-15.	3.4	19
116	Task-space coordinated tracking of multiple heterogeneous manipulators via controller-estimator approaches. Journal of the Franklin Institute, 2016, 353, 3722-3738.	3.4	19
117	Probabilistic analysis of cascade failure dynamics in complex network. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 299-309.	2.6	19
118	Dissipative consensus problems for multi-agent networks via sliding mode control. Journal of the Franklin Institute, 2017, 354, 6282-6291.	3.4	19
119	Dynamic Analysis of Hybrid Impulsive Delayed Neural Networks With Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4370-4384.	11.3	19
120	Stability and Hopf bifurcation analysis in a TCP fluid model. Nonlinear Analysis: Real World Applications, 2011, 12, 353-363.	1.7	18
121	Multiconsensus of second order multiagent systems with directed topologies. International Journal of Control, Automation and Systems, 2013, 11, 1122-1127.	2.7	18
122	Optimal tracking performance of control systems with two-channel constraints. Information Sciences, 2016, 374, 85-99.	6.9	18
123	Consensus Problems Over Cooperation-Competition Random Switching Networks With Noisy Channels. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 35-43.	11.3	18
124	Introduction to Hybrid Intelligent Networks. , 2019, , .		18
125	Passivity-based control of hybrid impulsive and switching systems with singular structure. Journal of the Franklin Institute, 2013, 350, 1500-1512.	3.4	17
126	Impulsive containment control for second-order networked multi-agent systems with sampled information. Nonlinear Analysis: Hybrid Systems, 2014, 12, 93-103.	3.5	17

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127	Bounded synchronization of coupled Kuramoto oscillators with phase lags via distributed impulsive control. Neurocomputing, 2016, 218, 216-222.	5.9	17
128	Spreading dynamics of an e-commerce preferential information model on scale-free networks. Physica A: Statistical Mechanics and Its Applications, 2017, 467, 192-200.	2.6	17
129	Data-driven based optimal distributed frequency control for islanded AC microgrids. International Journal of Electrical Power and Energy Systems, 2020, 119, 105904.	5.5	17
130	On synchronization of hybrid switching and impulsive networks. , 2006, , .		16
131	Distributed tracking control of second-order multi-agent systems with sampled data. Journal of the Franklin Institute, 2014, 351, 4786-4801.	3.4	16
132	Consensus Tracking Control of Uncertain Multiagent Systems With Sampled Data and Time-Varying Delay. IEEE Transactions on Cybernetics, 2021, 51, 5681-5691.	9.5	16
133	Stability Analysis and Bifurcation Control of a Delayed Incommensurate Fractional-Order Gene Regulatory Network. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050089.	1.7	16
134	Multiagent Meta-Reinforcement Learning for Adaptive Multipath Routing Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5374-5386.	11.3	16
135	Resilient Delayed Impulsive Control for Consensus of Multiagent Networks Subject to Malicious Agents. IEEE Transactions on Cybernetics, 2022, 52, 7196-7205.	9.5	16
136	The application of auxiliary simultaneous equations to the problem in the stabilization of singular and impulsive large scale systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1995, 42, 46-51.	0.1	14
137	Chaotification for a class of cellular neural networks with distributed delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 463-467.	2.1	14
138	Multiâ€consensus for secondâ€order multiâ€agent systems based on sampled position information. IET Control Theory and Applications, 2015, 9, 358-366.	2.1	14
139	Event-driven multi-consensus of multi-agent networks with repulsive links. Information Sciences, 2016, 373, 110-123.	6.9	14
140	On consensus performance of nonlinear multi-agent systems with hybrid control. Journal of the Franklin Institute, 2016, 353, 3133-3150.	3.4	14
141	Performance limitations of networked control systems with quantization and packet dropouts. ISA Transactions, 2017, 67, 98-106.	5.7	14
142	Flocking of multiple three-dimensional nonholonomic agents with proximity graph. Journal of the Franklin Institute, 2017, 354, 3617-3633.	3.4	14
143	Performance analysis of networked control systems over AWGN fading channels. Neurocomputing, 2018, 275, 1946-1953.	5.9	14
144	Set-Membership filtering with incomplete observations. Information Sciences, 2020, 517, 37-51.	6.9	14

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145	Global exponential synchronization of stochastic switching networks with timeâ€varying delay. Asian Journal of Control, 2011, 13, 893-902.	3.0	13
146	Optimal Performance in Tracking Stochastic Signal Under Disturbance Rejection. Asian Journal of Control, 2012, 14, 1608-1616.	3.0	13
147	Fractional-order consensus of multi-agent systems with event-triggered control. , 2014, , .		13
148	A Distributed Hybrid Event-Time-Driven Scheme for Optimization Over Sensor Networks. IEEE Transactions on Industrial Electronics, 2019, 66, 7199-7208.	7.9	13
149	Synchronization of leaderâ€follower networks with coupling delays via variable structure control. Asian Journal of Control, 2009, 11, 407-410.	3.0	12
150	Stochastic switched controller design of networked control systems with a random long delay. Asian Journal of Control, 2011, 13, 255-264.	3.0	12
151	Stability analysis and H_{â^ž} control for hybrid complex dynamical networks with coupling delays. International Journal of Robust and Nonlinear Control, 2012, 22, 205-222.	3.7	12
152	Optimization of transport protocols in complex networks. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3336-3341.	2.6	12
153	Semi-global bipartite consensus tracking of singular multi-agent systems with input saturation. Neurocomputing, 2021, 432, 183-193.	5.9	12
154	Chaotification of discrete dynamical systems via impulsive control. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2131-2136.	2.1	11
155	Resilient Consensus of Multi-Agent Systems With Switching Topologies: A Trusted-Region-Based Sliding-Window Weighted Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2448-2452.	3.0	11
156	Stability of Internet-Based Control Systems with Uncertainties and Multiple Time-Varying Delays. , 2006, , .		10
157	Limitations on minimum tracking energy for SISO plants. , 2009, , .		10
158	Stabilization of networked control systems with short or long random delays: A new multirate method. International Journal of Robust and Nonlinear Control, 2010, 20, 1802-1816.	3.7	10
159	Optimal performance of discrete-time control systems based on network-induced delay. European Journal of Control, 2013, 19, 37-41.	2.6	10
160	Finite-time topology identification of complex spatio-temporal networks with time delay. Nonlinear Dynamics, 2018, 91, 785-795.	5.2	10
161	Optimal tracking performance for non-square plant models with input disturbance and feedback channel noise. Journal of the Franklin Institute, 2015, 352, 2971-2984.	3.4	9
162	Distributed Estimator-Based Fault Detection for Multi-agent Networks. Circuits, Systems, and Signal Processing, 2018, 37, 98-111.	2.0	9

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163	On Passivity and Impulsive Control of Complex Dynamical Networks swith Coupling Delays. , 0, , .		8
164	Stability analysis on uncertain stochastic impulsive systems with time-delay. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6053-6059.	2.1	8
165	The physical position neighbourhood evolving network model. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 314-322.	2.6	8
166	On dissipativity and stabilization of time-delay stochastic systems with switching control. Nonlinear Analysis: Real World Applications, 2011, 12, 2031-2039.	1.7	8
167	Multiâ€Tracking of First Order Multiâ€Agent Networks Via Selfâ€Triggered Control. Asian Journal of Control, 2015, 17, 1320-1329.	3.0	8
168	Chaotifying Stable Linear Complex Networks via Single Pinning Impulsive Strategy. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950024.	1.7	8
169	ADAPTIVE SWITCHING CONTROL AND SYNCHRONIZATION OF CHAOTIC SYSTEMS WITH UNCERTAINTIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 3381-3390.	1.7	7
170	CONSENSUS PROBLEMS IN SCALE-FREE NETWORK. International Journal of Modern Physics B, 2008, 22, 435-445.	2.0	7
171	Hybrid coordination of multi-agent networks with hierarchical leaders. Communications in Nonlinear Science and Numerical Simulation, 2015, 27, 110-119.	3.3	7
172	Attitudeâ€synchronization flocking of multiple 3â€dimensional nonholonomic agents without position measurement. International Journal of Robust and Nonlinear Control, 2018, 28, 2369-2382.	3.7	7
173	Stability of Hybrid Impulsive and Switching Stochastic Systems with Time-delay. International Journal of Control, Automation and Systems, 2018, 16, 1532-1540.	2.7	7
174	Distributed coordination of multiple mobile actuators for pollution neutralization. Neurocomputing, 2018, 316, 10-19.	5.9	7
175	Controllability and observability of networked singular systems. IET Control Theory and Applications, 2019, 13, 763-771.	2.1	7
176	Controllability analysis of complex-valued impulsive systems with time-varying delays. Communications in Nonlinear Science and Numerical Simulation, 2020, 83, 105070.	3.3	7
177	Neuroscience and Network Dynamics Toward Brain-Inspired Intelligence. IEEE Transactions on Cybernetics, 2022, 52, 10214-10227.	9.5	7
178	Input-to-state stability for switched stochastic nonlinear systems with mode-dependent random impulses. Information Sciences, 2022, 596, 588-607.	6.9	7
179	Delay independent synchronization of complex network via hybrid control. , 2008, , .		6
180	Hybrid subgroup coordination of multi-agent systems via nonidentical information exchange. Neurocomputing, 2015, 168, 646-654.	5.9	6

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181	Optimal tracking performance of MIMO control systems with communication constraints and a code scheme. International Journal of Systems Science, 2015, 46, 464-473.	5.5	6
182	Indoor 3D scene reconstruction for mobile robots using Microsoft kinect sensor. , 2016, , .		6
183	Consensus analysis of directed multi-agent networks with singular configurations. Neurocomputing, 2016, 214, 358-367.	5.9	6
184	Stability and Hopf bifurcation of fractional genetic regulatory networks with diffusion 1 1This work was partially supported by the National Natural Science Foundation of China under Grants 61473128, 61672245, 61472374, 61503129 and 61572208.. IFAC-PapersOnLine, 2017, 50, 10443-10448.	0.9	6
185	Coordination of nonholonomic mobile robots for diffusive threat defense. Journal of the Franklin Institute, 2019, 356, 4690-4715.	3.4	6
186	Formation Tracking of Heterogeneous UGV-UAV Systems with Switching Directed Topologies. , 2019, , .		6
187	Controllability analysis for a class of piecewise nonlinear impulsive nonâ€autonomous systems. International Journal of Robust and Nonlinear Control, 2022, 32, 567-582.	3.7	6
188	Direct learning control design for a class of linear time-varying switched systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 1116-1120.	0.1	5
189	Managing group behaviors in swarm systems by associations. , 2006, , .		5
190	Joint Smith predictor and neural network estimation scheme for compensating randomly varying time-delay in networked control system. , 2012, , .		5
191	On the stability of networked impulsive control systems. International Journal of Robust and Nonlinear Control, 2012, 22, 1952-1968.	3.7	5
192	Performance Limitation of Networked Systems with Networkâ€Induced Delay and Packetâ€Dropout Constraints. Asian Journal of Control, 2015, 17, 2452-2459.	3.0	5
193	Performance limitations for networked control systems with plant uncertainty. International Journal of Systems Science, 2016, 47, 1358-1365.	5.5	5
194	Robust multi-tracking of heterogeneous multi-agent systems with uncertain nonlinearities and disturbances. Journal of the Franklin Institute, 2018, 355, 3677-3690.	3.4	5
195	Sampled-Data State Estimation for Complex Networks With Partial Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4787-4795.	9.3	5
196	Distributed coordination of multi-agent systems for neutralizing unknown threats based on a mixed coverage-tracking metric. Journal of the Franklin Institute, 2020, 357, 12700-12723.	3.4	5
197	Collective Behaviors of Discrete-Time Multi-Agent Systems Over Signed Digraphs. IEEE Transactions on Network Science and Engineering, 2021, 8, 3099-3112.	6.4	5
198	Controllability of Nonlinear Impulsive and Switching Systems With Input Delay. IEEE Transactions on Automatic Control, 2023, 68, 1184-1191.	5.7	5

#	Article	IF	Citations
199	Stability Analysis of Networked Impulsive Control Systems. , 2006, , .		4
200	Stabilization of wireless networked control systems with packet loss and impulse disturbance. , 2012, , .		4
201	Multiconsensus of Second-Order Multiagent Systems with Input Delays. Mathematical Problems in Engineering, 2014, 2014, 1-14.	1.1	4
202	Reactive power compensation in microgrids via distributed control strategy. , 2016, , .		4
203	Tracking Performance Bound with Finite Control Energy and Erasure Channel Energy Constraint. Asian Journal of Control, 2016, 18, 1119-1129.	3.0	4
204	Topology identification of a class of complex spatioâ€temporal networks with time delay. IET Control Theory and Applications, 2017, 11, 611-618.	2.1	4
205	Hybrid Neural Adaptive Control for Practical Tracking of Markovian Switching Networks. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2157-2168.	11.3	4
206	Robust Mode-Free Sliding Mode Control of Multi-fingered Hand with Position Synchronization in the Task Space. Lecture Notes in Computer Science, 2012, , 571-580.	1.3	4
207	Adaptive Event-Triggered Transmission Scheduling in Rate-Limited Multiloop Remote Control. IEEE Transactions on Industrial Informatics, 2022, 18, 6962-6972.	11.3	4
208	Adaptive switching control and synchronization of a class of nonlinear systems. , 2004, , .		3
209	TIME-DELAY ROBUSTNESS OF CONSENSUS PROBLEMS IN REGULAR AND COMPLEX NETWORKS. International Journal of Modern Physics C, 2007, 18, 1339-1350.	1.7	3
210	Impulsive Control Bifurcation and Chaos in Internet TCP-RED Congestion Control System. , 2007, , .		3
211	Robust consensus control in networks of agents with singular systems. , 2010, , .		3
212	Distributed Impulsive Consensus of the Multiagent System without Velocity Measurement. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.7	3
213	Impulsive Consensus for Leader-Following Multiagent Systems with Fixed and Switching Topology. Mathematical Problems in Engineering, 2013, 2013, 1-10.	1.1	3
214	Optimal performance of networked control systems over limited communication channels. Transactions of the Institute of Measurement and Control, 2014, 36, 637-643.	1.7	3
215	Spreading dynamics of SVFR online fraud information model on heterogeneous networks. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122026.	2.6	3
216	Multi-Agent Cooperative-Competitive Environment with Reinforcement Learning. , 2019, , .		3

#	Article	IF	Citations
217	Stability and synchronization of complex dynamical networks with random packet losses. , 2010, , .		2
218	Stability analysis and control of bifurcation in a TCP fluid flow model of Wireless Networks. , 2012, , .		2
219	CHAOS GENERATION FOR A CLASS OF NONLINEAR COMPLEX NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350018.	1.7	2
220	Second-order consensus of discrete-time multi-agent systems via one-step delayed data. , 2014, , .		2
221	Optimal tracking performance of MIMO networked control systems with communication constraints. , 2014, , .		2
222	Stability and bifurcation of genetic regulatory networks with delays. , 2014, , .		2
223	Optimal Tracking Performance of MIMO Discrete-Time Systems with Network Parameters. Discrete Dynamics in Nature and Society, 2016, 2016, 1-7.	0.9	2
224	Dynamic Analysis of Genetic Regulatory Networks with Delays. Emergence, Complexity and Computation, 2018, , 285-309.	0.3	2
225	Control-Aware Transmission Scheduling for Industrial Network Systems Over a Shared Communication Medium. IEEE Internet of Things Journal, 2022, 9, 11299-11310.	8.7	2
226	Controllability on a class of switched time-varying systems with impulses and multiple time delays. International Journal of Systems Science, 2022, 53, 2261-2280.	5.5	2
227	STABILITY OF A CLASS OF HYBRID IMPULSIVE AND SWITCHING SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 109-114.	0.4	1
228	A Generalized Chaos-Based Stream Generator. Circuits, Systems, and Signal Processing, 2005, 24, 549-555.	2.0	1
229	Stability of Multi-Rate Internet-Based Control Systems with Time-Delay at Feeback and Feed-forward Channels. , 0, , .		1
230	Stability Analysis of A Delayed Model of the Spread of Worms. , 2007, , .		1
231	Robust stabilization of uncertain complex singular dynamical networks via impulsive control. , 2009, , .		1
232	Optimal resource allocation on heterogeneous complex transport networks. , 2010, , .		1
233	Impulsive control of the spread of worms with nonlinear incidence rates. , 2010, , .		1
234	Stability analysis and impulsive control of bifurcation and chaos in fluid flow model for TCP/AQM networks. , 2010, , .		1

#	Article	IF	Citations
235	Tracking performance under additive Gaussian Noise and control energy constraint for networked control systems. , 2012, , .		1
236	Optimal tracking performance with model uncertainty over a quantized control input. , 2013, , .		1
237	Stability and Neimarkâ€"Sacker bifurcation analysis of a food-limited population model with a time delay. Chinese Physics B, 2013, 22, 030204.	1.4	1
238	Consensus-based distributed optimisation of multi-agent networks via a two level subgradient-proximal algorithm. International Journal of Systems Science, 2015, 46, 1307-1318.	5.5	1
239	Pulse-modulated intermittent control for consensus of multi-agent systems with switching topology. , 2016, , .		1
240	Fault-tolerant consensus of leader-follower multi-agent systems. , 2016, , .		1
241	Multi-coordination of coupled nonidentical agents with partial impulsive control and application to human-robot interactions. , 2016, , .		1
242	Distributed Coordination of Wheeled Mobile Robots for Unknown Moving Targets Interception. , 2017, , .		1
243	Proxy-based sliding mode stabilization of a class of second-order nonlinear system. , 2017, , .		1
244	Multistability of Delayed Hybrid Impulsive Neural Networks. , 2019, , 93-126.		1
245	Hybrid Memristor-Based Impulsive Neural Networks. , 2019, , 155-193.		1
246	Hybrid Intelligent Networks. , 2019, , 1-26.		1
247	State bounding for time-delay impulsive and switching genetic regulatory networks with exogenous disturbance. Discrete and Continuous Dynamical Systems - Series S, 2022, 15, 1749.	1.1	1
248	Robust H/sub /spl infin// control of singular-impulsive uncertain systems. , 2003, , .		0
249	Direct Learning Control Design for a Class of Linear Time-varying Switched Systems. , 2003, , .		0
250	On hybrid impulsive and switching control with application to chaotic systems. , 0, , .		0
251	Control of Bifurcations and Chaos in Small-World Networks. Proceedings of the American Control Conference, 2007, , .	0.0	0
252	Stochastic controlling tolerable fault of Network Control Systems. , 2008, , .		0

#	Article	IF	Citations
253	Measurement Feedback Impulsive Control for Synchronization of Uncertain Delayed Stochastic Networks with Switching Topologies. , 2009, , .		0
254	Synchronization of complex dynamical networks via distributed impulsive control. , 2009, , .		0
255	Exponentially weighted input-to-state stability for discrete switched system. , 2010, , .		0
256	Analysis and control of bifurcation in TCP fluid model. , 2010, , .		0
257	Modeling and analyzing the Spread of worms with impulsive effect on homogeneous networks. , 2010, , .		0
258	Impulsive control of epidemic spreading with nonlinear incidence rates on complex networks. , 2012, , .		0
259	Transient stability and voltage regulation in wide area power grid using switching controller. , 2014, , .		0
260	Multi-tracking of second order discrete-time multi-agent networks with aperiodic communication. , 2014, , .		0
261	A new chaotic system with pulse-excitation. , 2014, , .		0
262	Disturbance attenuation over a first-order moving average Gaussian noise channel. International Journal of Systems Science, 2015, 46, 2865-2872.	5.5	0
263	Dynamic Analysis of Quorum-sensing Genetic Oscillators with the Influence of External Medium 1 1This work was partially supported by the National Natural Science Foundation of China under Grants 61633011, 61503282, 61672245, 61472374 and 61672112.. IFAC-PapersOnLine, 2017, 50, 12131-12136.	0.9	0
264	Energy Efficient Transport Protocol for Mitigating Congestion in Complex Networks. , 2018, , .		0
265	Impulsive Consensus Control for General Second-Order Multi-agent Systems. , 2019, , .		0
266	Impulsive Neural Networks Towards Image Protection. , 2019, , 127-153.		0
267	Complete Controllability of Piecewise Time-Varying Impulsive Systems with Multiple Input Delays. , 2021, , .		0
268	Stability Analysis of Genetic Regulatory Networks with Dual Regulation Strategies. , 2018, , .		0
269	Hybrid Communication and Control in Multi-Agent Networks. , 2019, , 219-243.		0
270	Bipartite Containment Control of Singular Multi-Agent Systems over Signed Digraphs. , 2020, , .		0

#	Article	IF	Citations
271	Probabilistic Reward-Based Reinforcement Learning for Multi-Agent Pursuit and Evasion. , 2021, , .		0
272	Distributed Scheme for Line Overload Mitigation With Linearized AC Power Flow. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2877-2881.	3.0	0