

Jian-quan Lu

List of Publications by Year in descending order

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283
papers

13,977
citations

16791

66
h-index

29333

108
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287
all docs

287
docs citations

287
times ranked

3878
citing authors

#	ARTICLE	IF	CITATIONS
1	A unified synchronization criterion for impulsive dynamical networks. <i>Automatica</i> , 2010, 46, 1215-1221.	3.0	757
2	Synchronization Control for Nonlinear Stochastic Dynamical Networks: Pinning Impulsive Strategy. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012, 23, 285-292.	7.2	371
3	Exponential Synchronization of Linearly Coupled Neural Networks With Impulsive Disturbances. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 329-336.	4.8	367
4	Adaptive synchronization of neural networks with or without time-varying delay. <i>Chaos</i> , 2006, 16, 013133.	1.0	310
5	Finite-Time Synchronization of Coupled Networks With Markovian Topology and Impulsive Effects. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 2256-2261.	3.6	256
6	Stochastic Synchronization of Complex Networks With Nonidentical Nodes Via Hybrid Adaptive and Impulsive Control. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2012, 59, 371-384.	3.5	240
7	Finite-Time Cluster Synchronization of Fuzzy Complex Networks With Discontinuous Subsystems and Random Coupling Delays. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 2302-2316.	6.5	209
8	On Pinning Controllability of Boolean Control Networks. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 1658-1663.	3.6	201
9	PINNING IMPULSIVE STABILIZATION OF NONLINEAR DYNAMICAL NETWORKS WITH TIME-VARYING DELAY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250176.	0.7	195
10	Controllability of probabilistic Boolean control networks based on transition probability matrices. <i>Automatica</i> , 2015, 52, 340-345.	3.0	192
11	Globally Exponential Synchronization and Synchronizability for General Dynamical Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010, 40, 350-361.	5.5	191
12	Survey on semi-tensor product method with its applications in logical networks and other finite-valued systems. <i>IET Control Theory and Applications</i> , 2017, 11, 2040-2047.	1.2	191
13	Finite-Time Synchronization of Networks via Quantized Intermittent Pinning Control. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 3021-3027.	6.2	183
14	Pinning Stabilization of Linearly Coupled Stochastic Neural Networks via Minimum Number of Controllers. <i>IEEE Transactions on Neural Networks</i> , 2009, 20, 1617-1629.	4.8	182
15	Synchronization of Randomly Coupled Neural Networks With Markovian Jumping and Time-Delay. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013, 60, 363-376.	3.5	179
16	Synchronization in an Array of Output-Coupled Boolean Networks With Time Delay. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 2288-2294.	7.2	179
17	Adaptive complete synchronization of two identical or different chaotic (hyperchaotic) systems with fully unknown parameters. <i>Chaos</i> , 2005, 15, 043901.	1.0	175
18	Synchronization of Coupled Markovian Reaction-Diffusion Neural Networks With Proportional Delays Via Quantized Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 951-958.	7.2	173

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19	On Controllability of Delayed Boolean Control Networks. SIAM Journal on Control and Optimization, 2016, 54, 475-494.	1.1	166
20	Global $\hat{1}/4$ -stability criteria for quaternion-valued neural networks with unbounded time-varying delays. Information Sciences, 2016, 360, 273-288.	4.0	164
21	Consensus over directed static networks with arbitrary finite communication delays. Physical Review E, 2009, 80, 066121.	0.8	156
22	Synchronization of Markovian Coupled Neural Networks With Nonidentical Node-Delays and Random Coupling Strengths. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 60-71.	7.2	155
23	Outer synchronization of partially coupled dynamical networks via pinning impulsive controllers. Journal of the Franklin Institute, 2015, 352, 5024-5041.	1.9	152
24	Synchronization of delayed complex dynamical networks with impulsive and stochastic effects. Nonlinear Analysis: Real World Applications, 2011, 12, 2252-2266.	0.9	150
25	Synchronization of Time-Delayed Complex Networks With Switching Topology Via Hybrid Actuator Fault and Impulsive Effects Control. IEEE Transactions on Cybernetics, 2020, 50, 4043-4052.	6.2	148
26	Synchronization-based approach for parameters identification in delayed chaotic neural networks. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 672-682.	1.2	143
27	Single impulsive controller for globally exponential synchronization of dynamical networks. Nonlinear Analysis: Real World Applications, 2013, 14, 581-593.	0.9	142
28	Adaptive Stabilization and Synchronization for Chaotic Lur'e Systems With Time-Varying Delay. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 1347-1356.	3.5	140
29	Stability Analysis of Quaternion-Valued Neural Networks: Decomposition and Direct Approaches. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4201-4211.	7.2	140
30	Global exponential stability for quaternion-valued recurrent neural networks with time-varying delays. Nonlinear Dynamics, 2017, 87, 553-565.	2.7	138
31	Stabilization of Boolean Control Networks Under Aperiodic Sampled-Data Control. SIAM Journal on Control and Optimization, 2018, 56, 4385-4404.	1.1	135
32	Pinning Control for the Disturbance Decoupling Problem of Boolean Networks. IEEE Transactions on Automatic Control, 2017, 62, 6595-6601.	3.6	134
33	A Unified Approach to Practical Consensus with Quantized Data and Time Delay. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 2668-2678.	3.5	130
34	Pinning cluster synchronization in an array of coupled neural networks under event-based mechanism. Neural Networks, 2016, 76, 1-12.	3.3	129
35	Adaptive synchronization of uncertain dynamical networks with delayed coupling. Nonlinear Dynamics, 2008, 53, 107-115.	2.7	125
36	Exponential stabilization of switched stochastic dynamical networks. Nonlinearity, 2009, 22, 889-911.	0.6	119

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37	Feedback Controller Design for the Synchronization of Boolean Control Networks. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1991-1996.	7.2	118
38	Synchronization of uncertain hybrid switching and impulsive complex networks. Applied Mathematical Modelling, 2018, 59, 379-392.	2.2	118
39	Pinning Distributed Synchronization of Stochastic Dynamical Networks: A Mixed Optimization Approach. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1804-1815.	7.2	116
40	Global stability of Clifford-valued recurrent neural networks with time delays. Nonlinear Dynamics, 2016, 84, 767-777.	2.7	113
41	Pinning Synchronization in Tâ€“S Fuzzy Complex Networks With Partial and Discrete-Time Couplings. IEEE Transactions on Fuzzy Systems, 2015, 23, 1274-1285.	6.5	108
42	Partial-Information-Based Distributed Filtering in Two-Targets Tracking Sensor Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 820-832.	3.5	97
43	Leaderâ€“following consensus of nonâ€“linear multiâ€“agent systems with jointly connected topology. IET Control Theory and Applications, 2014, 8, 432-440.	1.2	93
44	Exponential Stability of Delayed Systems with Average-Delay Impulses. SIAM Journal on Control and Optimization, 2020, 58, 3763-3784.	1.1	93
45	Controllability and Synchronization Analysis of Identical-Hierarchy Mixed-Valued Logical Control Networks. IEEE Transactions on Cybernetics, 2017, 47, 3482-3493.	6.2	91
46	Event-Triggered Sliding Mode Control for Attitude Stabilization of a Rigid Spacecraft. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3290-3299.	5.9	89
47	Outer synchronization between two nonidentical networks with circumstance noise. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1480-1488.	1.2	88
48	Set Stability and Stabilization of Switched Boolean Networks With State-Based Switching. IEEE Access, 2018, 6, 35624-35630.	2.6	88
49	Nonsingularity of Grain-like cascade FSRs via semi-tensor product. Science China Information Sciences, 2018, 61, 1.	2.7	85
50	Pinning Synchronization of Nonlinear Coupled Lurâ€“TMe Networks Under Hybrid Impulses. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 432-436.	2.2	85
51	Asymptotical Stability of Probabilistic Boolean Networks With State Delays. IEEE Transactions on Automatic Control, 2020, 65, 1779-1784.	3.6	85
52	Stabilization of probabilistic Boolean networks via pinning control strategy. Information Sciences, 2020, 510, 205-217.	4.0	84
53	A New Fuzzy Impulsive Control of Chaotic Systems Based on Tâ€“S Fuzzy Model. IEEE Transactions on Fuzzy Systems, 2011, 19, 393-398.	6.5	81
54	Synchronization of General Chaotic Neural Networks With Nonuniform Sampling and Packet Missing: A Switched System Approach. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 523-533.	7.2	81

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55	Local and global synchronization in general complex dynamical networks with delay coupling. Chaos, Solitons and Fractals, 2008, 37, 1497-1510.	2.5	80
56	Unified synchronization criteria in an array of coupled neural networks with hybrid impulses. Neural Networks, 2018, 101, 25-32.	3.3	80
57	Further Results on the Controllability of Boolean Control Networks. IEEE Transactions on Automatic Control, 2019, 64, 440-442.	3.6	78
58	Constrained Quaternion-Variable Convex Optimization: A Quaternion-Valued Recurrent Neural Network Approach. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1022-1035.	7.2	78
59	Intermittent control for finite-time synchronization of fractional-order complex networks. Neural Networks, 2021, 144, 11-20.	3.3	77
60	Some necessary and sufficient conditions for the output controllability of temporal Boolean control networks. ESAIM - Control, Optimisation and Calculus of Variations, 2014, 20, 158-173.	0.7	75
61	On the Optimal Control of Boolean Control Networks. SIAM Journal on Control and Optimization, 2018, 56, 1321-1341.	1.1	73
62	The transformation between the Galois NLFSRs and the Fibonacci NLFSRs via semi-tensor product of matrices. Automatica, 2018, 96, 393-397.	3.0	71
63	Finite-Time Bipartite Consensus For Multiagent Systems Under Detail-Balanced Antagonistic Interactions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3867-3875.	5.9	71
64	Sampled-Data State Feedback Stabilization of Boolean Control Networks. Neural Computation, 2016, 28, 778-799.	1.3	69
65	Sampled-Data Control for the Synchronization of Boolean Control Networks. IEEE Transactions on Cybernetics, 2019, 49, 726-732.	6.2	68
66	Bipartite consensus for multi-agent systems with antagonistic interactions and communication delays. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 488-497.	1.2	67
67	Observability of Boolean control networks. Science China Information Sciences, 2018, 61, 1.	2.7	67
68	Globally exponential synchronization in an array of asymmetric coupled neural networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 369, 444-451.	0.9	66
69	Stabilization of complex dynamical networks with noise disturbance under performance constraint. Nonlinear Analysis: Real World Applications, 2011, 12, 1974-1984.	0.9	66
70	Event-based network consensus with communication delays. Nonlinear Dynamics, 2017, 87, 1847-1858.	2.7	66
71	Stability and Stabilization in Probability of Probabilistic Boolean Networks. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 241-251.	7.2	66
72	Partial Synchronization of Interconnected Boolean Networks. IEEE Transactions on Cybernetics, 2017, 47, 258-266.	6.2	62

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73	Synchronization Analysis of Master-Slave Probabilistic Boolean Networks. <i>Scientific Reports</i> , 2015, 5, 13437.	1.6	61
74	PINNING IMPULSIVE SYNCHRONIZATION OF COMPLEX DYNAMICAL NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250239.	0.7	60
75	Minimum-Time and Minimum-Triggering Observability of Stochastic Boolean Networks. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 1558-1565.	3.6	60
76	Short-Term Traffic Flow Prediction Based on Least Square Support Vector Machine with Hybrid Optimization Algorithm. <i>Neural Processing Letters</i> , 2019, 50, 2305-2322.	2.0	59
77	Synchronization of coupled neural networks under mixed impulsive effects: A novel delay inequality approach. <i>Neural Networks</i> , 2020, 127, 38-46.	3.3	59
78	Synchronization of coupled neural networks with random coupling strengths and mixed probabilistic time-varying delays. <i>International Journal of Robust and Nonlinear Control</i> , 2013, 23, 2060-2081.	2.1	57
79	Global robust stability and stabilization of Boolean network with disturbances. <i>Automatica</i> , 2017, 84, 142-148.	3.0	56
80	Exponential synchronization of time-varying delayed complex-valued neural networks under hybrid impulsive controllers. <i>Neural Networks</i> , 2019, 114, 157-163.	3.3	56
81	Consensus of signed networked multi-agent systems with nonlinear coupling and communication delays. <i>Applied Mathematics and Computation</i> , 2019, 350, 153-162.	1.4	56
82	Periodic Event-Triggered Adaptive Control for Attitude Stabilization Under Input Saturation. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020, 67, 249-258.	3.5	56
83	New results on global exponential stability for impulsive cellular neural networks with any bounded time-varying delays. <i>Mathematical and Computer Modelling</i> , 2012, 55, 837-843.	2.0	54
84	Synchronization for the Realization-Dependent Probabilistic Boolean Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 819-831.	7.2	52
85	Sampled-data stabilization of probabilistic Boolean control networks. <i>Systems and Control Letters</i> , 2019, 124, 106-111.	1.3	51
86	Potential Impacts of Delay on Stability of Impulsive Control Systems. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 5179-5190.	3.6	50
87	SYNCHRONIZATION IN AN ARRAY OF NONLINEARLY COUPLED CHAOTIC NEURAL NETWORKS WITH DELAY COUPLING. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 3101-3111.	0.7	49
88	Bipartite synchronization of Lur'e network under signed digraph. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 6087-6105.	2.1	49
89	A novel synthesis method for reliable feedback shift registers via Boolean networks. <i>Science China Information Sciences</i> , 2021, 64, 1.	2.7	48
90	Adaptive synchronization in tree-like dynamical networks. <i>Nonlinear Analysis: Real World Applications</i> , 2007, 8, 1252-1260.	0.9	46

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91	A new protocol for finite-time consensus of detail-balanced multi-agent networks. <i>Chaos</i> , 2012, 22, 043134.	1.0	46
92	Robust Control Invariance of Probabilistic Boolean Control Networks via Event-Triggered Control. <i>IEEE Access</i> , 2018, 6, 37767-37774.	2.6	45
93	Pinning Controllers for Activation Output Tracking of Boolean Network Under One-Bit Perturbation. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3398-3408.	6.2	45
94	Event-Based Synchronization of Heterogeneous Complex Networks Subject to Transmission Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 2126-2134.	5.9	44
95	Synchronization of master-slave Boolean networks with impulsive effects: Necessary and sufficient criteria. <i>Neurocomputing</i> , 2014, 143, 269-274.	3.5	42
96	Synchronization in an array of coupled neural networks with delayed impulses: Average impulsive delay method. <i>Neural Networks</i> , 2020, 121, 452-460.	3.3	41
97	Sampled-Data State Feedback Control for the Set Stabilization of Boolean Control Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 1580-1589.	5.9	40
98	Fuzzy Complex Dynamical Networks and Its Synchronization. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 648-659.	6.2	39
99	Stabilization and Finite-Time Stabilization of Probabilistic Boolean Control Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, , 1-8.	5.9	39
100	Steady-State Design of Large-Dimensional Boolean Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 1149-1161.	7.2	39
101	Static output feedback set stabilization for context-sensitive probabilistic Boolean control networks. <i>Applied Mathematics and Computation</i> , 2018, 332, 263-275.	1.4	38
102	Synchronization-based passivity of partially coupled neural networks with event-triggered communication. <i>Neurocomputing</i> , 2018, 319, 134-143.	3.5	38
103	Synchronization in output-coupled temporal Boolean networks. <i>Scientific Reports</i> , 2014, 4, 6292.	1.6	37
104	A Necessary and Sufficient Graphic Condition for the Original Disturbance Decoupling of Boolean Networks. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 3765-3772.	3.6	37
105	Delayed Feedback Control for Stabilization of Boolean Control Networks With State Delay. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 29, 1-6.	7.2	36
106	A novel consensus algorithm for second-order multi-agent systems without velocity measurements. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 2510-2528.	2.1	36
107	A new class of fixed-time bipartite consensus protocols for multi-agent systems with antagonistic interactions. <i>Journal of the Franklin Institute</i> , 2018, 355, 5256-5271.	1.9	36
108	Output tracking of probabilistic Boolean networks by output feedback control. <i>Information Sciences</i> , 2019, 483, 96-105.	4.0	36

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109	A unified criterion for global exponential stability of quaternion-valued neural networks with hybrid impulses. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 8098-8116.	2.1	35
110	Input-to-State Stability of Impulsive Delay Systems With Multiple Impulses. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 362-368.	3.6	35
111	Synchronization of drive-response Boolean control networks with impulsive disturbances. <i>Applied Mathematics and Computation</i> , 2020, 364, 124679.	1.4	34
112	Penalty Method for Constrained Distributed Quaternion-Variable Optimization. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 5631-5636.	6.2	34
113	Sampled-data general partial synchronization of Boolean control networks. <i>Journal of the Franklin Institute</i> , 2022, 359, 1-11.	1.9	34
114	Pinning Stabilization of Boolean Control Networks via a Minimum Number of Controllers. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 373-381.	6.2	34
115	Pinning Control for Stabilization of Boolean Networks Under Knock-Out Perturbation. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 1550-1557.	3.6	34
116	Halanay-type inequality with delayed impulses and its applications. <i>Science China Information Sciences</i> , 2019, 62, 1.	2.7	33
117	The Outputs Robustness of Boolean Control Networks via Pinning Control. <i>IEEE Transactions on Control of Network Systems</i> , 2020, 7, 201-209.	2.4	33
118	Semi-periodically intermittent control for synchronization of switched complex networks: a mode-dependent average dwell time approach. <i>Nonlinear Dynamics</i> , 2016, 83, 1757-1771.	2.7	32
119	Output Tracking of Boolean Control Networks Driven by Constant Reference Signal. <i>IEEE Access</i> , 2019, 7, 112572-112577.	2.6	32
120	Bipartite formation problem of second-order nonlinear multi-agent systems with hybrid impulses. <i>Applied Mathematics and Computation</i> , 2020, 370, 124926.	1.4	32
121	A minimum-time control for Boolean control networks with impulsive disturbances. <i>Applied Mathematics and Computation</i> , 2016, 273, 477-483.	1.4	31
122	The equivalence issue of two kinds of controllers in Boolean control networks. <i>Applied Mathematics and Computation</i> , 2018, 321, 633-640.	1.4	31
123	A New Approach to Pinning Control of Boolean Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2022, 9, 415-426.	2.4	31
124	Topology influences performance in the associative memory neural networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 354, 335-343.	0.9	30
125	Induced-Equations-Based Stability Analysis and Stabilization of Markovian Jump Boolean Networks. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 4820-4827.	3.6	30
126	Adaptive bridge control strategy for opinion evolution on social networks. <i>Chaos</i> , 2011, 21, 025116.	1.0	29

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127	Event-triggered control for the synchronization of Boolean control networks. <i>Nonlinear Dynamics</i> , 2019, 96, 1335-1344.	2.7	29
128	Some recent results of analysis and control for impulsive systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 80, 104862.	1.7	29
129	SensorsDesign for Large-Scale Boolean Networks via Pinning Observability. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 4162-4169.	3.6	29
130	Partial-information-based synchronization analysis for complex dynamical networks. <i>Journal of the Franklin Institute</i> , 2015, 352, 3458-3475.	1.9	28
131	Aperiodically intermittent control for synchronization of switched complex networks with unstable modes via matrix $\varvec{\omega}$ -measure approach. <i>Nonlinear Dynamics</i> , 2018, 92, 1091-1102.	2.7	28
132	Stability analysis of totally positive switched linear systems with average dwell time switching. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020, 36, 100877.	2.1	28
133	Almost periodic synchronization of quaternion-valued fuzzy cellular neural networks with leakage delays. <i>Fuzzy Sets and Systems</i> , 2022, 426, 46-65.	1.6	28
134	Synchronization analysis of a complex network family. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 1933-1945.	0.9	27
135	Stabilization of evolutionary networked games with length-r information. <i>Applied Mathematics and Computation</i> , 2018, 337, 442-451.	1.4	27
136	Privacy-Preserving Consensus for Multi-Agent Systems via Node Decomposition Strategy. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 3474-3484.	3.5	27
137	Security Control of Multiagent Systems Under Denial-of-Service Attacks. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 4323-4333.	6.2	27
138	A new impulsive synchronization criterion for Tâ€™S fuzzy model and its applications. <i>Applied Mathematical Modelling</i> , 2013, 37, 8826-8835.	2.2	26
139	Stability and L_2 -gain analysis for switched singular linear systems with jumps. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 589-599.	1.2	26
140	Bipartite asynchronous impulsive tracking consensus for multi-agent systems. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2022, 23, 1522-1532.	1.5	26
141	Stability of switched systems with limiting average dwell time. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 5520-5532.	2.1	25
142	Asymmetric bipartite consensus over directed networks with antagonistic interactions. <i>IET Control Theory and Applications</i> , 2018, 12, 2295-2301.	1.2	24
143	Necessary and Sufficient Conditions on Pinning Stabilization for Stochastic Boolean Networks. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 4444-4453.	6.2	24
144	Dynamics and convergence of hyper-networked evolutionary games with time delay in strategiesâ€™. <i>Information Sciences</i> , 2021, 563, 166-182.	4.0	24

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145	Set stabilization of Boolean networks under pinning control strategy. <i>Neurocomputing</i> , 2017, 260, 142-148.	3.5	23
146	Robust Output Tracking of Delayed Boolean Networks Under Pinning Control. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018, 65, 1249-1253.	2.2	23
147	Event-Triggered Sampled Feedback Synchronization in an Array of Output-Coupled Boolean Control Networks. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2278-2283.	6.2	23
148	Finite-Time and Fixed-Time Synchronization of Quaternion-Valued Neural Networks With/Without Mixed Delays: An Improved One-Norm Method. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 7475-7487.	7.2	23
149	Output Feedback Control for Set Stabilization of Boolean Control Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 2129-2139.	7.2	22
150	Finite-time synchronization of quaternion-valued neural networks with delays: A switching control method without decomposition. <i>Neural Networks</i> , 2022, 148, 37-47.	3.3	22
151	Distributed Pinning Set Stabilization of Large-Scale Boolean Networks. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 1886-1893.	3.6	22
152	On Robust Synchronization of Drive-Response Boolean Control Networks with Disturbances. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-9.	0.6	21
153	State Estimation for Probabilistic Boolean Networks via Outputs Observation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 4699-4711.	7.2	21
154	Switching-signal-triggered pinning control for output tracking of switched Boolean networks. <i>IET Control Theory and Applications</i> , 2017, 11, 2089-2096.	1.2	20
155	Synchronization of Chaotic Neural Networks: Average-Delay Impulsive Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 6007-6012.	7.2	20
156	Synchronization of Complex Dynamical Networks Subject to DoS Attacks: An Improved Coding-Decoding Protocol. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 102-113.	6.2	20
157	Dynamic Quantization Driven Synchronization of Networked Systems Under Event-Triggered Mechanism. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022, 69, 1728-1740.	3.5	20
158	Partial synchronization in stochastic dynamical networks with switching communication channels. <i>Chaos</i> , 2012, 22, 023108.	1.0	19
159	Finding graph minimum stable set and core via semi-tensor product approach. <i>Neurocomputing</i> , 2016, 174, 588-596.	3.5	19
160	Stabilizing Large-Scale Probabilistic Boolean Networks by Pinning Control. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 12929-12941.	6.2	19
161	Effects of heterogeneous impulses on synchronization of complex-valued neural networks with mixed time-varying delays. <i>Information Sciences</i> , 2021, 551, 228-244.	4.0	18
162	Pinning bipartite synchronization for coupled reaction-diffusion neural networks with antagonistic interactions and switching topologies. <i>Neural Networks</i> , 2021, 141, 174-183.	3.3	18

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163	Some simple criteria for pinning a Lur'e network with directed topology. IET Control Theory and Applications, 2014, 8, 131-138.	1.2	17
164	Distributed Synchronization of Delayed Neural Networks: Delay-Dependent Hybrid Impulsive Control. IEEE Transactions on Network Science and Engineering, 2022, 9, 634-647.	4.1	17
165	Fast-Time Stability of Temporal Boolean Networks. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2285-2294.	7.2	16
166	Finite-Time Stability of Probabilistic Logical Networks: A Topological Sorting Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 695-699.	2.2	16
167	Boolean-network-based approach for construction of filter generators. Science China Information Sciences, 2020, 63, 1.	2.7	16
168	Event-Triggered Impulsive Stabilization of Systems With External Disturbances. IEEE Transactions on Automatic Control, 2022, 67, 2116-2122.	3.6	16
169	Synchronization of Finite Field Networks With Switching Multiple Communication Channels. IEEE Transactions on Network Science and Engineering, 2021, 8, 2160-2169.	4.1	16
170	SYNCHRONIZATION CRITERIA FOR TWO BOOLEAN NETWORKS BASED ON LOGICAL CONTROL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350178.	0.7	15
171	Stabilization of Boolean control networks with stochastic impulses. Journal of the Franklin Institute, 2019, 356, 7164-7182.	1.9	15
172	Scaled consensus problem for multi-agent systems with semi-Markov switching topologies: A view from the probability. Journal of the Franklin Institute, 2021, 358, 3150-3166.	1.9	15
173	Network synchronization under distributed delayed impulsive control: Average delayed impulsive weight approach. Nonlinear Analysis: Hybrid Systems, 2022, 44, 101148.	2.1	15
174	Finite-time boundedness and L_2 -gain analysis for switched positive linear systems with multiple time delays. International Journal of Robust and Nonlinear Control, 2017, 27, 3508-3523.	2.1	14
175	Output Robustness of Probabilistic Boolean Control Networks With Respect to One-Bit Perturbation. IEEE Transactions on Control of Network Systems, 2020, 7, 1769-1777.	2.4	14
176	Pinning Stabilization of Probabilistic Boolean Networks With Time Delays. IEEE Access, 2020, 8, 154050-154059.	2.6	14
177	Impulsive-Based Almost Surely Synchronization for Neural Network Systems Subject to Deception Attacks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2298-2307.	7.2	14
178	A consensus recovery approach to nonlinear multi-agent system under node failure. Information Sciences, 2016, 367-368, 975-989.	4.0	13
179	Finite-time Asymmetric Bipartite Consensus for Signed Networks of Dynamic Agents. International Journal of Control, Automation and Systems, 2019, 17, 1041-1049.	1.6	13
180	Controllability and Observability of Boolean Control Networks via Sampled-Data Control. IEEE Transactions on Control of Network Systems, 2019, 6, 1291-1301.	2.4	13

#	ARTICLE	IF	CITATIONS
181	Switching-based stabilization of aperiodic sampled-data Boolean control networks with all subsystems unstable. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 260-267.	1.5	13
182	Asymptotic Stability of Boolean Networks With Multiple Missing Data. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 6093-6099.	3.6	13
183	Stability and H_2 gain performance for nonlinear switched impulsive systems. <i>IET Control Theory and Applications</i> , 2015, 9, 300-307.	1.2	12
184	General synchronization criteria for nonlinear Markovian systems with random delays. <i>Journal of the Franklin Institute</i> , 2018, 355, 1394-1410.	1.9	12
185	Variable structure controller design for Boolean networks. <i>Neural Networks</i> , 2018, 97, 107-115.	3.3	12
186	Stabilization of Aperiodic Sampled-Data Boolean Control Networks: A Delay Approach. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 5606-5611.	3.6	12
187	Input/output state stability of nonlinear impulsive delay systems based on a new impulsive inequality. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 6164-6178.	2.1	11
188	The Robustness of Outputs With Respect to Disturbances for Boolean Control Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 1046-1051.	7.2	11
189	Data-based controllability analysis of discrete-time linear time-delay systems. <i>International Journal of Systems Science</i> , 2014, 45, 2411-2417.	3.7	10
190	Global $\frac{1}{4}$ -synchronization of impulsive pantograph neural networks. <i>Neural Networks</i> , 2020, 131, 78-92.	3.3	10
191	Stability of asynchronously switched systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2021, 43, 101105.	2.1	10
192	Input-to-state stability of delayed systems with bounded-delay impulses. <i>Mathematical Modelling and Control</i> , 2022, 2, 44-54.	0.4	10
193	Admissibility and static output feedback stabilization of singular Markovian jump systems with defective statistics of modes transitions. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 588-609.	2.1	9
194	Normalization and Solvability of Dynamic-Algebraic Boolean Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 29, 1-6.	7.2	9
195	Event-based discrete-time multi-agent consensus over signed digraphs with communication delays. <i>Journal of the Franklin Institute</i> , 2019, 356, 11668-11689.	1.9	9
196	Pinning outer synchronization of partially coupled dynamical networks with complex inner coupling matrices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 515, 497-509.	1.2	9
197	Synchronization of an Array of Coupled Probabilistic Boolean Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 3834-3846.	5.9	9
198	A Comprehensive Review of Continuous-/Discontinuous-Time Fractional-Order Multidimensional Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 5476-5496.	7.2	9

#	ARTICLE	IF	CITATIONS
199	Synchronization of Heterogeneous Partially Coupled Networks with Heterogeneous Impulses. <i>Neural Processing Letters</i> , 2018, 48, 557-575.	2.0	8
200	Pinning Stabilization of Stochastic Networks With Finite States via Controlling Minimal Nodes. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 2361-2369.	6.2	8
201	K-memory-embedded insertion mechanism for opacity enforcement. <i>Systems and Control Letters</i> , 2020, 145, 104785.	1.3	8
202	Optimal Strategy Estimation of Random Evolutionary Boolean Games. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 7899-7905.	6.2	8
203	Cluster Synchronization of Boolean Networks Under Probabilistic Function Perturbation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 504-508.	2.2	8
204	Demand Response Control of Smart Buildings Integrated With Security Interconnection. <i>IEEE Transactions on Cloud Computing</i> , 2022, 10, 43-55.	3.1	8
205	Privacy-Preserving Average Consensus via Finite Time-Varying Transformation. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 1756-1764.	4.1	8
206	Stability analysis of high-order Hopfield-type neural networks based on a new impulsive differential inequality. <i>International Journal of Applied Mathematics and Computer Science</i> , 2013, 23, 201-211.	1.5	7
207	The Local Convergence of Boolean Networks With Disturbances. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019, 66, 667-671.	2.2	7
208	Matrix Approach for Verification of Opacity of Partially Observed Discrete Event Systems. <i>Circuits, Systems, and Signal Processing</i> , 2021, 40, 70-87.	1.2	7
209	Event-Based Output Regulation of Boolean Control Networks With Time Delay. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 2007-2011.	2.2	7
210	Robust stability in distribution of Boolean networks under multi-bits stochastic function perturbations. <i>Nonlinear Analysis: Hybrid Systems</i> , 2021, 42, 101095.	2.1	7
211	Tracking analysis for general linearly coupled dynamical systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011, 16, 2072-2085.	1.7	6
212	Distributed practical consensus in multi-agent networks with communication constrains. , 2012, , .		6
213	Consensus of Networked Multi-agent Systems with Delays and Fractional-Order Dynamics. <i>Understanding Complex Systems</i> , 2013, , 69-110.	0.3	6
214	Event-triggered discrete-time multi-agent consensus with delayed quantized information. , 2014, , .		6
215	Stochastic resonance in genetic regulatory networks under L [∞] noise. <i>Europhysics Letters</i> , 2019, 127, 50003.	0.7	6
216	Globally Exponential Stability and Globally Power Stability of Quaternion-Valued Neural Networks With Discrete and Distributed Delays. <i>IEEE Access</i> , 2020, 8, 46837-46850.	2.6	6

#	ARTICLE	IF	CITATIONS
217	Stability criteria for stochastic neural networks with unstable subnetworks under mixed switchings. <i>Neurocomputing</i> , 2021, 452, 827-833.	3.5	6
218	Robust set stability of probabilistic Boolean networks under general stochastic function perturbation. <i>Information Sciences</i> , 2022, 582, 833-849.	4.0	6
219	Modeling and optimization for networked evolutionary games with player exit mechanism: Semi-tensor product of matrices method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 590, 126710.	1.2	6
220	Event-Triggered Impulsive Control for Nonlinear Systems: The Control Packet Loss Case. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 3204-3208.	2.2	6
221	Stability of Truncated Sampled-Data Control Systems With Impulsive Effects. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 4877-4884.	3.6	6
222	Privacy-Preserving Average Consensus Via Edge Decomposition. , 2022, 6, 2503-2508.		6
223	Global quasi-synchronisation of fuzzy cellular neural networks with time varying delay and interaction terms. <i>International Journal of Systems Science</i> , 2022, 53, 2679-2693.	3.7	6
224	Finite-time synchronization of complex dynamical networks under delayed impulsive effects. <i>Applied Mathematics and Computation</i> , 2022, 430, 127290.	1.4	6
225	Weighted-traffic-network-based geographic profiling for serial crime location prediction. <i>Europhysics Letters</i> , 2011, 93, 68006.	0.7	5
226	Event-triggered control for discrete-time multi-agent networks. , 2013, , .		5
227	Emotional tendencies in online social networking: a statistical analysis. <i>Systems Science and Control Engineering</i> , 2016, 4, 1-10.	1.8	5
228	Improved transformation between Fibonacci FSRs and Galois FSRs based on semi-tensor product. <i>Journal of the Franklin Institute</i> , 2022, 359, 224-239.	1.9	5
229	Enforcement for infinite-step opacity and K-step opacity via insertion mechanism. <i>Automatica</i> , 2022, 140, 110212.	3.0	5
230	Synchronization in Arrays of Delay-Coupled Neural Networks via Adaptive Control. , 2007, , .		4
231	Dynamics in Bank Crisis Model. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-5.	0.6	4
232	An impulsive framework for consensus learning via event-triggered scheme. , 2016, , .		4
233	Event-Triggered Control for Output Regulation of Probabilistic Logical Systems With Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 6842-6851.	5.9	4
234	Impulsive control for attitude stabilization in the presence of unknown bounded external disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 1316-1330.	2.1	4

#	ARTICLE	IF	CITATIONS
235	Minimal Pinning Control for Oscillatory of Boolean Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6237-6249.	7.2	4
236	On Exponential Synchronization Rates for High-Dimensional Kuramoto Models With Identical Oscillators and Digraphs. IEEE Transactions on Automatic Control, 2023, 68, 1054-1060.	3.6	4
237	Bipartite Synchronization of Antagonistic Coupled Neural Networks: Average-Delay Pinning Impulsive Control. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3814-3818.	2.2	4
238	Impulsive Control for the Synchronization of Chaotic Systems with Time Delay. Abstract and Applied Analysis, 2012, 2012, 1-13.	0.3	3
239	Multi-agent consensus with delayed quantized information. , 2015, , .		3
240	Event-triggered consensus for double-integrator multi-agent systems. , 2016, , .		3
241	Set stabilization of boolean networks via sampled-data control. Asian Journal of Control, 2019, 21, 2685-2690.	1.9	3
242	Stability and Stabilization of Delayed Neural Networks with Hybrid Impulses. Complexity, 2020, 2020, 1-9.	0.9	3
243	Asynchronous Event-Based Set Stabilization of Logical Control Networks and its Applications in Finite-Field Networks. IEEE Transactions on Control of Network Systems, 2022, 9, 163-171.	2.4	3
244	Impulsive Synchronization of Nonlinearly Coupled Complex Networks. Mathematical Problems in Engineering, 2012, 2012, 1-10.	0.6	2
245	Pinning Synchronization of One-Sided Lipschitz Complex Networks. Discrete Dynamics in Nature and Society, 2014, 2014, 1-8.	0.5	2
246	Necessary and sufficient criterion for node synchronization in impulsive Boolean networks. , 2014, , .		2
247	Robust Set Stabilization of Boolean Control Networks: An Event-Triggered Control Approach. , 2019, , .		2
248	Modeling and optimization of a class of networked evolutionary games with random entrance and time delays. , 2020, , .		2
249	Feedback Stabilization of Boolean Control Networks With Missing Data. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7784-7795.	7.2	2
250	Impulsive control for the synchronization of stochastic dynamical networks. , 2011, , .		1
251	Coupled Network Systems and Their Collective Behavior. Abstract and Applied Analysis, 2014, 2014, 1-1.	0.3	1
252	Pinning Lurâ€™e Complex Networks via Output Feedback Control. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	1

#	ARTICLE	IF	CITATIONS
253	Controllability for a special case of multi-level Boolean control networks. , 2016, , .		1
254	Stability of (n, k) nonlinear feedback shift registers. , 2017, , .		1
255	Scaled bipartite consensus of cooperative-antagonistic multi-agent systems via joint-holonomic hybrid distributed protocol. , 2019, , .		1
256	Input-to-state stability of the road transport system via cyber-physical optimal control. Mathematics and Computers in Simulation, 2020, 171, 3-12.	2.4	1
257	A Novel Analysis Method for Grain-Like Cascade FSRs. , 2020, , .		1
258	Impulsive-Interaction-Driven Synchronization in an Array of Coupled Neural Networks. Neural Processing Letters, 2020, 51, 2685-2700.	2.0	1
259	Complex systems and networks with their applications. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 195-198.	1.5	1
260	Finite-time output tracking of probabilistic Boolean control networks. Applied Mathematics and Computation, 2021, 411, 126413.	1.4	1
261	Consensus of Networked Multi-agent Systems with Antagonistic Interactions and Communication Delays. , 2021, , 121-157.		1
262	Privacy-Preserving Push-sum Average Consensus Algorithm over Directed Graph Via State Decomposition. , 2021, , .		1
263	Robustly distributed diagnosis of discrete-event systems and its application to Alipay transaction systems. Journal of the Franklin Institute, 2022, 359, 10765-10784.	1.9	1
264	Pinning stabilization of connected neural networks with event-based couplings. , 2014, , .		0
265	Mathematical Problems for Complex Systems. Scientific World Journal, The, 2015, 2015, 1-2.	0.8	0
266	Synchronization of state-dependent switched Boolean networks. , 2015, , .		0
267	Synchronization of master-slave switched boolean networks with delay. , 2015, , .		0
268	Reachability and synchronization of hierarchical Boolean control networks. , 2016, , .		0
269	Strong controllability of mix-valued logical control networks. , 2017, , .		0
270	Pinning synchronization of switched coupled neural networks under event-based mechanism. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
271	General partial synchronization of drive-response boolean networks. , 2017, , .		0
272	Pinning Control Design for Stabilization of Boolean Networks From Constructed Boolean Control Networks. Lecture Notes in Control and Information Sciences, 2019, , 269-277.	0.6	0
273	Pinning Control for Asymmetric Bipartite Consensus of Antagonistic Multi-agent Networks with Delays. , 2020, , .		0
274	Finite-Time and Fixed-Time Bipartite Consensus for Multi-agent Systems with Antagonistic Interactions. , 2021, , 159-190.		0
275	IEEE Access Special Section Editorial: Recent Advances on Hybrid Complex Networks: Analysis and Control. IEEE Access, 2021, 9, 95083-95086.	2.6	0
276	Practical Consensus of Multi-agent Networks with Communication Constraints. , 2021, , 35-68.		0
277	A Distributed Optimization Problem Subject to Partial-Impact Cost Functions. IEEE Transactions on Cybernetics, 2022, 52, 12612-12617.	6.2	0
278	The Privacy-Preserving for Multi-Agent System with Antagonistic Interactions. , 2021, , .		0
279	Partial Synchronization for Boolean Network Based on Pinning Control Strategy. , 2018, , .		0
280	Leader-Following Consensus of Nonlinear Multi-agent System via a Distributed ET Impulsive Control Strategy. Lecture Notes in Computer Science, 2019, , 15-24.	1.0	0
281	Outer Synchronization of Partially Coupled Dynamical Networks via Pinning Impulsive Controllers. , 2019, , 1-22.		0
282	Input/output-to-state stability of nonlinear systems with average-delay impulses. , 2020, , .		0
283	Minimum-Triggering Control for Probabilistic Boolean Networks. , 2020, , .		0