Haitao Li

List of Publications by Year
in descending order

150 papers	3,875 citations	136950 32 h-index	149698 56 g-index
150 all docs	150 docs citations	150 times ranked	949 citing authors

#	Article	IF	Citations
1	Survey on semi–tensor product method with its applications in logical networks and other finite–valued systems. IET Control Theory and Applications, 2017, 11, 2040-2047.	2.1	191
2	Output tracking control of Boolean control networks via state feedback: Constant reference signal case. Automatica, 2015, 59, 54-59.	5.0	139
3	Multiple Lyapunov Functions for Adaptive Neural Tracking Control of Switched Nonlinear Nonlower-Triangular Systems. IEEE Transactions on Cybernetics, 2020, 50, 1877-1886.	9.5	131
4	Algebraic formulation and strategy optimization for a class of evolutionary networked games via semi-tensor product method. Automatica, 2013, 49, 3384-3389.	5.0	123
5	Stability Analysis for Switched Boolean Networks Under Arbitrary Switching Signals. IEEE Transactions on Automatic Control, 2014, 59, 1978-1982.	5.7	115
6	Output feedback stabilization control design for Boolean control networks. Automatica, 2013, 49, 3641-3645.	5.0	114
7	Boolean derivative calculation with application to fault detection of combinational circuits via the semi-tensor product method. Automatica, 2012, 48, 688-693.	5.0	108
8	Output Regulation of Boolean Control Networks. IEEE Transactions on Automatic Control, 2017, 62, 2993-2998.	5.7	102
9	Controllability Analysis and Control Design for Switched Boolean Networks with State and Input Constraints. SIAM Journal on Control and Optimization, 2015, 53, 2955-2979.	2.1	101
10	On robust control invariance of Boolean control networks. Automatica, 2016, 68, 392-396.	5.0	98
11	Lyapunov-Based Stability and Construction of Lyapunov Functions for Boolean Networks. SIAM Journal on Control and Optimization, 2017, 55, 3437-3457.	2.1	96
12	A Control Lyapunov Function Approach to Feedback Stabilization of Logical Control Networks. SIAM Journal on Control and Optimization, 2019, 57, 810-831.	2.1	92
13	Finite-time stability analysis of stochastic switched boolean networks with impulsive effect. Applied Mathematics and Computation, 2019, 347, 557-565.	2.2	91
14	Event-triggered control for robust set stabilization of logical control networks. Automatica, 2018, 95, 556-560.	5.0	90
15	A survey on applications of semi-tensor product method in engineering. Science China Information Sciences, 2018, 61, 1.	4.3	86
16	Further results on feedback stabilization control design of Boolean control networks. Automatica, 2017, 83, 303-308.	5.0	82
17	Leader–Follower Consensus of Multiagent Systems With Time Delays Over Finite Fields. IEEE Transactions on Cybernetics, 2019, 49, 3203-3208.	9.5	80
18	Robustness for Stability and Stabilization of Boolean Networks With Stochastic Function Perturbations. IEEE Transactions on Automatic Control, 2021, 66, 1231-1237.	5.7	64

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19	Disturbance decoupling control design for switched Boolean control networks. Systems and Control Letters, 2014, 72, 1-6.	2.3	61
20	Consistent stabilizability of switched Boolean networks. Neural Networks, 2013, 46, 183-189.	5.9	60
21	Set stability of switched delayed logical networks with application to finite-field consensus. Automatica, 2020, 113, 108768.	5.0	58
22	Perturbation Analysis for Controllability of Logical Control Networks. SIAM Journal on Control and Optimization, 2020, 58, 3632-3657.	2.1	55
23	Control design for output tracking of delayed Boolean control networks. Journal of Computational and Applied Mathematics, 2018, 327, 188-195.	2.0	54
24	Output tracking control of Boolean control networks with impulsive effects. Mathematical Methods in the Applied Sciences, 2018, 41, 1554-1564.	2.3	50
25	A matrix approach to the modeling and analysis of networked evolutionary games with time delays. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 818-826.	13.1	49
26	Stabilization and set stabilization of delayed Boolean control networks based on trajectory stabilization. Journal of the Franklin Institute, 2017, 354, 7812-7827.	3.4	46
27	Algebraic formulation and topological structure of Boolean networks with state-dependent delay. Journal of Computational and Applied Mathematics, 2019, 350, 87-97.	2.0	44
28	On detectability of Boolean control networks. Nonlinear Analysis: Hybrid Systems, 2020, 36, 100859.	3.5	44
29	Stochastic stability and stabilization of n-person random evolutionary Boolean games. Applied Mathematics and Computation, 2017, 306, 1-12.	2.2	41
30	State feedback based output tracking control of probabilistic Boolean networks. Information Sciences, 2016, 349-350, 1-11.	6.9	38
31	Output tracking of switched Boolean networks under open-loop/closed-loop switching signals. Nonlinear Analysis: Hybrid Systems, 2016, 22, 137-146.	3.5	37
32	A Matrix Approach to Latticized Linear Programming With Fuzzy-Relation Inequality Constraints. IEEE Transactions on Fuzzy Systems, 2013, 21, 781-788.	9.8	35
33	Pinning control design for robust output tracking of k-valued logical networks. Journal of the Franklin Institute, 2017, 354, 3039-3053.	3.4	33
34	New approach to derivative calculation of multi€valued logical functions with application to fault detection of digital circuits. IET Control Theory and Applications, 2014, 8, 554-560.	2.1	31
35	Synchronization of switched logical control networks via event-triggered control. Journal of the Franklin Institute, 2018, 355, 5203-5216.	3.4	31
36	Leader-following consensus for multi-agent systems with actuator faults via adaptive event-triggered control. Journal of the Franklin Institute, 2021, 358, 1327-1349.	3.4	30

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37	Robust set stabilization of Boolean control networks with impulsive effects. Nonlinear Analysis: Modelling and Control, 2018, 23, 553-567.	1.6	30
38	Output reachability analysis and output regulation control design of Boolean control networks. Science China Information Sciences, 2017, 60, 1.	4.3	29
39	Robust stability and stabilisation of Boolean networks with disturbance inputs. International Journal of Systems Science, 2017, 48, 750-756.	5.5	29
40	Modelling and strategy optimisation for a kind of networked evolutionary games with memories under the bankruptcy mechanism. International Journal of Control, 2018, 91, 1104-1117.	1.9	29
41	Stability analysis of positive switched impulsive systems with delay on time scales. International Journal of Robust and Nonlinear Control, 2020, 30, 6879-6890.	3.7	28
42	Set stability and synchronization of logical networks with probabilistic time delays. Journal of the Franklin Institute, 2018, 355, 7735-7748.	3.4	27
43	An Improved Stability Theorem for Nonlinear Systems on Time Scales With Application to Multi-Agent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3277-3281.	3.0	27
44	Minimum‑Time State Feedback Stabilization of Constrained Boolean Control Networks. Asian Journal of Control, 2016, 18, 1688-1697.	3.0	26
45	Event-triggered control for disturbance decoupling problem of mix-valued logical networks. Journal of the Franklin Institute, 2020, 357, 796-809.	3.4	26
46	Algebraic Formulation and Nash Equilibrium of Competitive Diffusion Games. Dynamic Games and Applications, 2018, 8, 423-433.	1.9	24
47	Function Perturbation Impact on Feedback Stabilization of Boolean Control Networks. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2548-2554.	11.3	24
48	Event‑triggered leader‑following consensus for multi‑agent systems with external disturbances under fixed and switching topologies. IET Control Theory and Applications, 2020, 14, 1486-1496.	2.1	24
49	Function perturbation impact on stability in distribution of probabilistic Boolean networks. Mathematics and Computers in Simulation, 2020, 177, 1-12.	4.4	24
50	A Hybrid Control Approach to H_{∞} Problem of Nonlinear Descriptor Systems With Actuator Saturation. IEEE Transactions on Automatic Control, 2021, 66, 4960-4966.	5.7	24
51	State Feedback Stabilization of Large-Scale Logical Control Networks via Network Aggregation. IEEE Transactions on Automatic Control, 2021, 66, 6033-6040.	5.7	23
52	Semi‑tensor product approach to minimal‑agent consensus control of networked evolutionary games. IET Control Theory and Applications, 2018, 12, 2269-2275.	2.1	23
53	Feedback stabilisation control design for fractional order non‑linear systems in the lower triangular form. IET Control Theory and Applications, 2016, 10, 1061-1068.	2.1	22
54	Stochastic set stabilisation of n ‑person random evolutionary Boolean games and its applications. IET Control Theory and Applications, 2017, 11, 2152-2160.	2.1	22

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55	Modelling and strategy consensus for a class of networked evolutionary games. International Journal of Systems Science, 2018, 49, 2548-2557.	5.5	22
56	Perturbation Analysis for Finite-Time Stability and Stabilization of Probabilistic Boolean Networks. IEEE Transactions on Cybernetics, 2021, 51, 4623-4633.	9.5	22
57	Controllability of Context-Sensitive Probabilistic Mix-Valued Logical Control Networks with Constraints. Asian Journal of Control, 2015, 17, 246-254.	3.0	21
58	Structural stability analysis of gene regulatory networks modeled by Boolean networks. Mathematical Methods in the Applied Sciences, 2019, 42, 2221-2230.	2.3	21
59	Constrained Sampled-Data Reachability and Stabilization of Logical Control Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 2002-2006.	3.0	20
60	Optimal control of random evolutionary Boolean games. International Journal of Control, 2021, 94, 144-152.	1.9	18
61	Synchronization of switched Boolean networks with impulsive effects. International Journal of Biomathematics, 2018, 11, 1850080.	2.9	17
62	Optimal state estimation for finite-field networks with stochastic disturbances. Neurocomputing, 2020, 414, 238-244.	5.9	17
63	Function perturbation impact on asymptotical stability of probabilistic Boolean networks: Changing to finite-time stability. Journal of the Franklin Institute, 2020, 357, 10810-10827.	3.4	16
64	Finite-Time Consensus of Finite Field Networks With Stochastic Time Delays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3128-3132.	3.0	16
65	Invertibility of higher order k-valued logical control networks and its application in trajectory control. Journal of the Franklin Institute, 2016, 353, 4667-4679.	3.4	15
66	SURVEY ON APPLICATIONS OF SEMI-TENSOR PRODUCT METHOD IN NETWORKED EVOLUTIONARY GAMES. Journal of Applied Analysis and Computation, 2020, 10, 32-54.	0.5	15
67	A matrix approach to modeling and optimization for dynamic games with random entrance. Applied Mathematics and Computation, 2016, 290, 9-20.	2.2	14
68	Stability analysis of activation-inhibition Boolean networks with stochastic function structures. Mathematical Methods in the Applied Sciences, 2020, 43, 8694-8705.	2.3	14
69	New developments in control design techniques of logical control networks. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 220-233.	2.6	14
70	State-feedback set stabilization of logical control networks with state-dependent delay. Science China Information Sciences, 2021, 64, 1.	4.3	14
71	Existence and number of fixed points of Boolean transformations via the semi-tensor product method. Applied Mathematics Letters, 2012, 25, 1142-1147.	2.7	13
72	Two kinds of optimal controls for probabilistic mix-valued logical dynamic networks. Science China Information Sciences, 2014, 57, 1-10.	4.3	13

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73	New Results on the Disturbance Decoupling of Boolean Control Networks. , 2021, 5, 1157-1162.		13
74	Prescribed Finite-Time <i>H</i> _∞ Control for Nonlinear Descriptor Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2917-2921.	3.0	13
75	Pinning control design for feedback stabilization of constrained Boolean control networks. Advances in Difference Equations, 2016, 2016, .	3.5	12
76	Column stacking approach to resolution of systems of fuzzy relational inequalities. Journal of the Franklin Institute, 2019, 356, 3314-3332.	3.4	12
77	Stability Analysis of Boolean Networks With Stochastic Function Perturbations. IEEE Access, 2019, 7, 1323-1329.	4.2	12
78	Leaderâ€"follower consensus for multiâ€agent systems with external disturbances generated by heterogeneous nonlinear exosystems. Asian Journal of Control, 2021, 23, 2681-2692.	3.0	12
79	Graph-Based Function Perturbation Analysis for Observability of Multivalued Logical Networkss. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4839-4848.	11.3	12
80	Structural controllability of Boolean control networks with an unknown function structure. Science China Information Sciences, 2020, 63, 1.	4.3	12
81	Logical matrix factorization towards topological structure and stability of probabilistic Boolean networks. Systems and Control Letters, 2021, 149, 104878.	2.3	12
82	Time-variant Feedback Stabilization of Constrained Delayed Boolean Networks Under Nonuniform Sampled-data Control. International Journal of Control, Automation and Systems, 2021, 19, 1819-1827.	2.7	12
83	Containment problem of finite-field networks with fixed and switching topology. Applied Mathematics and Computation, 2021, 411, 126519.	2.2	12
84	Inputâ€"output dynamical stability analysis for cyberâ€physical systems via logical networks. IET Control Theory and Applications, 2020, 14, 2566-2572.	2.1	11
85	Consensus of finite-field networks with switching topologies and linear protocols. , 2014, , .		10
86	Stabilization of Delayed Boolean Control Networks With State Constraints: A Barrier Lyapunov Function Method. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2553-2557.	3.0	10
87	Controllability and stabilization of periodic switched Boolean control networks with application to asynchronous updating. Nonlinear Analysis: Hybrid Systems, 2021, 41, 101054.	3.5	10
88	On definition and construction of Lyapunov functions for Boolean networks. , 2012, , .		9
89	Function perturbation impact on the topological structure of Boolean networks. , 2012, , .		9
90	Stable degree analysis for strategy profiles of evolutionary networked games. Science China Information Sciences, 2016, 59, 1.	4.3	9

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91	Model and Control for a Class of Networked Evolutionary Games with Finite Memories and Time-Varying Networks. Circuits, Systems, and Signal Processing, 2018, 37, 3093-3114.	2.0	9
92	Finite-Time Time-Variant Feedback Stabilization of Logical Control Networks With Markov Jump Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2079-2083.	3.0	9
93	Constrained set controllability of logical control networks with state constraints and its applications. Applied Mathematics and Computation, 2021, 405, 126259.	2.2	9
94	Set controllability of Markov jump switching Boolean control networks and its applications. Nonlinear Analysis: Hybrid Systems, 2022, 45, 101179.	3.5	9
95	Global convergence of serial Boolean networks based on algebraic representation. Journal of Difference Equations and Applications, 2017, 23, 633-647.	1.1	8
96	Robust Consensus of Networked Evolutionary Games with Attackers and Forbidden Profiles â€. Entropy, 2018, 20, 15.	2.2	8
97	Stability analysis of multi-valued logical networks with Markov jump disturbances. International Journal of Control, 2022, 95, 554-561.	1.9	8
98	On reducible state variables of logical control networks. Systems and Control Letters, 2020, 145, 104798.	2.3	8
99	On feedback invariant subspace of Boolean control networks. Science China Information Sciences, 2020, 63, 1.	4.3	8
100	Optimal Strategy Estimation of Random Evolutionary Boolean Games. IEEE Transactions on Cybernetics, 2022, 52, 7899-7905.	9.5	8
101	Robustness analysis of logical networks and its application in infinite systems. Journal of the Franklin Institute, 2020, 357, 2882-2891.	3.4	7
102	Off-line fault detection of logical control networks. International Journal of Systems Science, 2022, 53, 478-487.	5.5	7
103	Regulation of game result for n â€person random evolutionary Boolean games. Asian Journal of Control, 2020, 22, 2353-2362.	3.0	6
104	Robust stability of switched delayed logical networks with all unstable modes. Journal of the Franklin Institute, 2022, 359, 12-26.	3.4	6
105	On state feedback asymptotical stabilization of probabilistic Boolean control networks. Systems and Control Letters, 2022, 160, 105107.	2.3	6
106	Consensus of Singular Linear Multiagent Systems Via Hybrid Control. IEEE Transactions on Control of Network Systems, 2022, 9, 647-656.	3.7	6
107	Stability Analysis of Probabilistic Boolean Networks With Switching Discrete Probability Distribution. IEEE Transactions on Automatic Control, 2023, 68, 2506-2512.	5.7	6
108	On the observability of free Boolean networks via the semi-tensor product method. Journal of Systems Science and Complexity, 2014, 27, 666-678.	2.8	5

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109	Finite-Time Controllability and Set Controllability of Impulsive Probabilistic Boolean Control Networks. IEEE Access, 2020, 8, 111995-112002.	4.2	5
110	Extensions of Razumikhin-type stability theorems for nonlinear time-delay systems on time scales. International Journal of Control, 2022, 95, 259-268.	1.9	5
111	Matrix approach to Iâ€detectability of partially observed discrete event systems. Asian Journal of Control, 2022, 24, 1470-1478.	3.0	5
112	Impulsive control design for output tracking of probabilistic Boolean control networks. IET Control Theory and Applications, 2020, 14, 2688-2695.	2.1	5
113	Controllability, Reachability, and Stabilizability of Finite Automata: A Controllability Matrix Method. Mathematical Problems in Engineering, 2018, 2018, 1-6.	1.1	4
114	Semitensor Product Approach to Controllability, Reachability, and Stabilizability of Probabilistic Finite Automata. Mathematical Problems in Engineering, 2019, 2019, 1-7.	1.1	4
115	Simplification of Shapley value for cooperative games via minimum carrier. Control Theory and Technology, 2021, 19, 157-169.	1.6	4
116	Resolution of Fuzzy Relational Inequalities with Boolean Semi-Tensor Product Composition. Mathematics, 2021, 9, 937.	2.2	4
117	Fastâ€time complete controllability of nonlinear fractional delay integrodifferential evolution equations with nonlocal conditions and a parameter. Mathematical Methods in the Applied Sciences, 2022, 45, 5649-5669.	2.3	4
118	Matrix approach to verification of finite multi-potential games. Journal of the Franklin Institute, 2022, 359, 2229-2243.	3.4	4
119	Finite-time sampled-data set stabilisation of delayed probabilistic Boolean control networks. International Journal of Systems Science, 2022, 53, 2935-2947.	5.5	4
120	Controllability of Multi-Agent Systems over Finite Fields via Semi-Tensor Product Method. , 2019, , .		3
121	Estimation of stability region for discreteâ€time linear positive switched systems with multiple equilibrium points. Asian Journal of Control, 2020, 22, 1306-1316.	3.0	3
122	Further Results on Large-Scale Complex Logical Networks. IEEE Access, 2020, 8, 215806-215816.	4.2	3
123	Distributed Pinning Impulsive Control for Innerâ€"Outer Synchronization of Dynamical Networks on Time Scales. Neural Processing Letters, 2020, 51, 2481-2495.	3.2	3
124	Output Trackability of Boolean Control Networks via Ledley Antecedence Solution. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1183-1187.	3.0	3
125	Relations of Controllability and Observability between Continuous-Time Linear System and Its Projective System. , 2021, , .		3
126	Detectability of Delayed Boolean Control Networks Based on Full-Order Observer. IEEE Access, 2021, 9, 119591-119597.	4.2	2

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127	Robust Set Controllability of Logical Control Networks: A Set Monotonicity Approach. IEEE Transactions on Control of Network Systems, 2022, 9, 1261-1270.	3.7	2
128	Asymptotic consensus and asymptotic group consensus of Boolean networks with additive noise. , 2020, , .		2
129	Modeling and analysis of epidemic dynamics on an adaptive network. , 2015, , .		1
130	Bifurcation of positive solutions for a three-point boundary-value problem of nonlinear fractional differential equations. Journal of Applied Mathematics and Computing, 2017, 54, 81-93.	2.5	1
131	Leader-follower consensus of multi-agent systems over finite fields via semi-tensor product of matrices. , 2017, , .		1
132	Tensor Product Decomposition of Large-Size Logical Matrix. , 2018, , .		1
133	Robust Synchronization and Partial Stabilization of Logical Control Networks via Event- Triggered Control. , 2018, , .		1
134	Global behaviour of the components of nodal solutions for Lidstone boundary value problems. Applicable Analysis, 2009, 88, 1173-1182.	1.3	0
135	On the Uniqueness and Dependence of Positive Periodic Solutions for Delay Differential Systems with Feedback Control. International Journal of Mathematics and Mathematical Sciences, 2012, 2012, 1-10.	0.7	0
136	Positive Solutions to a Fractional-Order Two-Point Boundary Value Problem with p-Laplacian Operator. ISRN Mathematical Analysis, 2013, 2013, 1-12.	0.4	0
137	Solvability of a Class of Higher-Order Fractional Two-Point Boundary Value Problem. Chinese Journal of Mathematics, 2014, 2014, 1-5.	0.1	0
138	On the stable degree of strategy profile in finite evolutionary networked games. , 2014, , .		0
139	Strategy consensus for a class of cascading finite networked evolutionary games. , 2017, , .		0
140	Stability and stabilization of switched boolean networks with impulsive effects. , 2017, , .		0
141	Attractor and stability of delayed boolean networks with state constraints. , 2017, , .		0
142	Input-to-state stability theorem and strict Lyapunov functional constructions for time-delay systems on time scales. Journal of Control and Decision, 2020, , 1-16.	1.6	0
143	Asymptotical stability and stabilisation of probabilistic Boolean networks subject to function perturbation. International Journal of Control, 0, , 1-9.	1.9	0
144	Event-triggered Control for Sampled-Data Set Stabilization of Switched Delayed Logical Control Networks. , 2021, , .		0

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145	Logic-based Solvability of Max-plus Linear Equations. , 2020, , .		0
146	Sampled-Data Stabilization of State-Dependent Delayed Boolean Networks with State Constraints. , 2020, , .		0
147	Two Methods of Dealing with Large-Scale Logical Networks. , 2020, , .		0
148	Finite-time inner-outer synchronization of two dynamical networks via distributed pinning impulsive control. , 2020, , .		0
149	Impulsive Sequence Design for Finite-Time Set Stabilization of Impulsive Probabilistic Boolean Networks. , 2021, , .		0
150	Total-Activity Conservation Analysis and Design of Boolean Networks. IEEE Transactions on Cybernetics, 2023, 53, 5667-5676.	9.5	0