Jun-E Feng

List of Publications by Year
in descending order

136 papers	2,163 citations	218677 26 h-index	276875 41 g-index
138 all docs	138 docs citations	138 times ranked	840 citing authors

#	Article	IF	Citations
1	Delay-Dependent Robust Stability Criteria for Two Classes of Uncertain Singular Time-Delay Systems. IEEE Transactions on Automatic Control, 2007, 52, 880-885.	5.7	165
2	A survey on applications of semi-tensor product method in engineering. Science China Information Sciences, 2018, 61, 1.	4.3	86
3	Command Filter-Based Adaptive Fuzzy Control for Nonlinear Systems With Unknown Control Directions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-9.	9.3	83
4	Block Decoupling of Boolean Control Networks. IEEE Transactions on Automatic Control, 2019, 64, 3129-3140.	5.7	83
5	Decay rate constrained stabilization of positive systems using static output feedback. International Journal of Robust and Nonlinear Control, 2011, 21, 44-54.	3.7	70
6	Solving Fuzzy Relational Equations Via Semitensor Product. IEEE Transactions on Fuzzy Systems, 2012, 20, 390-396.	9.8	68
7	l1-gain analysis and model reduction problem for Boolean control networks. Information Sciences, 2016, 348, 68-83.	6.9	60
8	Stability and Guaranteed Cost Analysis of Time-Triggered Boolean Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3893-3899.	11.3	57
9	On detectability of probabilistic Boolean networks. Information Sciences, 2019, 483, 383-395.	6.9	56
10	Observability of Boolean networks via matrix equations. Automatica, 2020, 111, 108621.	5.0	52
11	Stabilization of Markovian Systems via Probability Rate Synthesis and Output Feedback. IEEE Transactions on Automatic Control, 2010, 55, 773-777.	5.7	47
12	On detectability of Boolean control networks. Nonlinear Analysis: Hybrid Systems, 2020, 36, 100859.	3.5	44
13	Topological structure and the disturbance decoupling problem of singular Boolean networks. IET Control Theory and Applications, 2014, 8, 1247-1255.	2.1	43
14	Controllability and Observability of Singular Boolean Control Networks. Circuits, Systems, and Signal Processing, 2015, 34, 1233-1248.	2.0	43
15	Stabilizability analysis and switching signals design of switched Boolean networks. Nonlinear Analysis: Hybrid Systems, 2018, 30, 31-44.	3.5	43
16	Sampled-data controllability and stabilizability of Boolean control networks: Nonuniform sampling. Journal of the Franklin Institute, 2018, 355, 5324-5335.	3.4	40
17	Exponential stability analysis and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML altimg="si3.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>l</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:math> of positive T-S fuzzy systems with time-varying delays. Nonlinear Analysis: Hybrid Systems, 2017, 24, 186-197.	3.5	38
18	Admissibility analysis and stabilization for neutral descriptor hybrid systems with time-varying delays. Nonlinear Analysis: Hybrid Systems, 2019, 33, 311-321.	3.5	38

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19	Function perturbations in Boolean networks with its application in a D. melanogaster gene network. European Journal of Control, 2014, 20, 87-94.	2.6	37
20	Admissibilization for Implicit Jump Systems With Mixed Retarded Delays Based on Reciprocally Convex Integral Inequality and Barbalatâ€™s Lemma. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6808-6818.	9.3	37
21	Internal positivity preserved model reduction. International Journal of Control, 2010, 83, 575-584.	1.9	36
22	Input observability of Boolean control networks. Neurocomputing, 2019, 333, 22-28.	5.9	32
23	Optimal control problem of singular Boolean control networks. International Journal of Control, Automation and Systems, 2015, 13, 266-273.	2.7	30
24	Further Results on Disturbance Decoupling of Mix-Valued Logical Networks. IEEE Transactions on Automatic Control, 2014, 59, 1630-1634.	5.7	28
25	General decomposition of fuzzy relations: Semi-tensor product approach. Fuzzy Sets and Systems, 2020, 384, 75-90.	2.7	27
26	Further results on dynamic-algebraic Boolean control networks. Science China Information Sciences, 2019, 62, 1.	4.3	26
27	Delay-dependent robust stability criterion and robust stabilization for uncertain singular time-delay systems. , 0, , .		25
28	Finite iterative method for solving coupled Sylvester-transpose matrix equations. Journal of Applied Mathematics and Computing, 2014, 46, 351-372.	2.5	25
29	Input-output finite-time stability of time-varying linear singular systems. Journal of Control Theory and Applications, 2012, 10, 287-291.	0.8	24
30	Stability and Stabilization of Boolean Networks with Stochastic Delays. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	23
31	Matrix approach to model matching of composite asynchronous sequential machines. IET Control Theory and Applications, 2017, 11, 2122-2130.	2.1	22
32	Inputâ€Output Decoupling of Boolean Control Networks. Asian Journal of Control, 2018, 20, 2185-2194.	3.0	22
33	Singular Boolean networks: Semi-tensor product approach. Science China Information Sciences, 2013, 56, 1.	4.3	20
34	A New Characteristic of Switching Topology and Synchronization of Linear Multiagent Systems. IEEE Transactions on Automatic Control, 2019, 64, 2697-2711.	5.7	20
35	Asynchronous admissibility and fault detection for delayed implicit Markovian switching systems under hidden Markovian model mechanism. International Journal of Robust and Nonlinear Control, 2021, 31, 7261-7279.	3.7	20
36	Function perturbation of mix-valued logical networks with impacts on limit sets. Neurocomputing, 2016, 207, 428-436.	5.9	18

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37	Mix-valued logic-based formation control. International Journal of Control, 2013, 86, 1191-1199.	1.9	17
38	Model matching of switched asynchronous sequential machines via matrix approach. International Journal of Control, 2019, 92, 2430-2440.	1.9	17
39	Detectability of Boolean networks with disturbance inputs. Systems and Control Letters, 2020, 145, 104783.	2.3	17
40	Set controllability of Boolean control networks with impulsive effects. Neurocomputing, 2020, 418, 263-269.	5.9	17
41	New Method for Disturbance Decoupling of Boolean Networks. IEEE Transactions on Automatic Control, 2022, 67, 4794-4800.	5.7	17
42	An adjoint network approach to design stabilizable switching signals of switched Boolean networks. Applied Mathematics and Computation, 2019, 357, 12-22.	2.2	16
43	Singular linear quadratic optimal control for singular stochastic discrete-time systems. Optimal Control Applications and Methods, 2013, 34, 505-516.	2.1	15
44	Finite-time functional observers for descriptor systems. International Journal of Control, Automation and Systems, 2009, 7, 341-347.	2.7	14
45	Controllability and observability of state-dependent switched Boolean control networks with input constraints. Asian Journal of Control, 2019, 21, 2662-2673.	3.0	14
46	Controllability decomposition of dynamic-algebraic Boolean control networks. International Journal of Control, 2020, 93, 1684-1695.	1.9	14
47	State-feedback set stabilization of logical control networks with state-dependent delay. Science China Information Sciences, 2021, 64, 1.	4.3	14
48	Further Results for Pinning Stabilization of Boolean Networks. IEEE Transactions on Control of Network Systems, 2021, 8, 897-905.	3.7	14
49	Observability Criteria for Boolean Networks. IEEE Transactions on Automatic Control, 2022, 67, 6248-6254.	5.7	14
50	Optimal stabilizing controllers for linear discrete-time stochastic systems. Optimal Control Applications and Methods, 2008, 29, 243-253.	2.1	13
51	Topological structure of implicit Boolean networks. IET Control Theory and Applications, 2017, 11, 2058-2064.	2.1	12
52	Set controllability for switched Boolean control networks. Neurocomputing, 2019, 359, 476-482.	5.9	12
53	A Matrix Approach for the Static Correction Problem of Asynchronous Sequential Machines. International Journal of Control, Automation and Systems, 2020, 18, 477-485.	2.7	12
54	Solution and stability of continuous-time cross-dimensional linear systems. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 210-221.	2.6	12

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55	Matrix approach to detectability of discrete event systems. Journal of the Franklin Institute, 2019, 356, 6460-6477.	3.4	11
56	Bisimulations of boolean control networks with impulsive effects and its application in controllability. Asian Journal of Control, 2019, 21, 2559-2568.	3.0	11
57	Steady-state analysis of probabilistic Boolean networks. Journal of the Franklin Institute, 2019, 356, 2994-3009.	3.4	11
58	Output tracking of delayed logical control networks with multi-constraint. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 316-323.	2.6	11
59	Modeling and Dynamics of Networked Evolutionary Game With Switched Time Delay. IEEE Transactions on Control of Network Systems, 2021, 8, 1778-1787.	3.7	11
60	Output feedback stabilization for a class of stochastic non-linear systems with delays in input. Asian Journal of Control, 2009, 12, n/a-n/a.	3.0	9
61	Strategy optimisation for coupled evolutionary public good games with threshold. International Journal of Control, 2020, , 1-10.	1.9	9
62	On dimensions of dimension-bounded linear systems. Science China Information Sciences, 2021, 64, 1.	4.3	9
63	On Dimensions of Linear Discrete Dimension-unbounded Systems. International Journal of Control, Automation and Systems, 2021, 19, 471-477.	2.7	9
64	State feedback stabilization of generic logic systems via Ledley antecedence solution. Mathematical Methods in the Applied Sciences, 0, , .	2.3	9
65	Finite automata approach to reconstructibility of switched Boolean control networks. Neurocomputing, 2021, 454, 34-44.	5.9	9
66	Estimates of the spectral condition number. Linear and Multilinear Algebra, 2011, 59, 249-260.	1.0	8
67	A Matrix Approach to Hypergraph Stable Set and Coloring Problems with Its Application to Storing Problem. Journal of Applied Mathematics, 2014, 2014, 1-9.	0.9	8
68	Globally optimal real‐time distributed fusion of multi‐channel observation systems. IET Control Theory and Applications, 2014, 8, 384-388.	2.1	8
69	MIS approach analyzing the controllability of switched boolean networks with higher order. International Journal of Control, Automation and Systems, 2014, 12, 450-457.	2.7	8
70	Reconstructibility of singular Boolean control networks via automata approach. Neurocomputing, 2020, 416, 19-27.	5.9	8
71	The set stabilization problem for Markovian jump Boolean control networks: An average optimal control approach. Applied Mathematics and Computation, 2021, 402, 126133.	2.2	8
72	Perfect hypercomplex algebras: Semi-tensor product approach. Mathematical Modelling and Control, 2021, 1, 177-187.	0.9	8

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73	Data set approach for solving logical equations. Science China Information Sciences, 2020, 63, 1.	4.3	7
74	Observability of singular Boolean control networks with state delays. Journal of the Franklin Institute, 2022, 359, 331-351.	3.4	7
75	Set reachability of Markovian jump Boolean networks and its applications. IET Control Theory and Applications, 2020, 14, 2914-2923.	2.1	7
76	Set Stabilization of Boolean Control Networks via Output-Feedback Controllers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7527-7536.	9.3	7
77	A Real Representation Method for Solving Yakubovich-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>j</mml:mi></mml:mrow></mml:math>-Conjugate Quaternion Matrix Equation. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.7	6
78	Finite horizon tracking control of probabilistic Boolean control networks. Journal of the Franklin Institute, 2021, 358, 9909-9928.	3.4	6
79	On Identification of Boolean Control Networks. SIAM Journal on Control and Optimization, 2022, 60, 1591-1612.	2.1	6
80	H_∞ Output Feedback Control with Spectrum Constraints for Uncertain Stochastic Systems. Circuits, Systems, and Signal Processing, 2007, 26, 193-214.	2.0	5
81	Topological structure and optimal control of singular mix-valued logical networks. Control Theory and Technology, 2015, 13, 321-332.	1.6	5
82	Design of Large-scale Boolean Networks Based on Prescribed Attractors. International Journal of Control, Automation and Systems, 2018, 16, 1120-1128.	2.7	5
83	Minimum time control of large‐scale boolean control networks with constraints. Asian Journal of Control, 2019, 21, 2532-2542.	3.0	5
84	Output Tracking of Boolean Control Networks With Impulsive Effects. IEEE Access, 2020, 8, 157793-157799.	4.2	5
85	Revisiting singular Boolean networks. , 2014, , .		4
86	A matrix method to hypergraph transversal and covering problems with application in simplifying Boolean functions. , 2016, , .		4
87	Optimal Control Problem of Boolean Control Networks: A Graph-theoretical Approach. , 2018, , .		4
88	On reconstructibility of switched Boolean control networks. International Journal of Control, 2021, 94, 3339-3348.	1.9	4
89	Stability analysis of probabilistic Boolean networks with switching topology. Nonlinear Analysis: Hybrid Systems, 2021, 42, 101076.	3.5	4
90	Synchronization of drive‐response singular Boolean networks. Nonlinear Analysis: Hybrid Systems, 2022, 44, 101141.	3.5	4

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91	Comments on "Disturbance Decoupling of Boolean Control Networks". IEEE Transactions on Automatic Control, 2011, 56, 3001-3002.	5.7	3
92	An iterative algorithm to solve the generalized coupled Sylvester-transpose matrix equations. Transactions of the Institute of Measurement and Control, 2016, 38, 863-875.	1.7	3
93	The equivalence transformation between Galois NFSRs and Fibonacci NFSRs. Asian Journal of Control, 2020, , .	3.0	3
94	Solvability of the matrix equation <inline-formula><tex-math id="M1">$ AX^{2} = B $</tex-math></inline-formula> with semi-tensor product. Electronic Research Archive, 2021, 29, 2249-2267.	0.9	3
95	On degeneracy problem of NFSRs via semi-tensor product. , 2020, , .		3
96	Pinning Controller Design for Set Reachability of State-Dependent Impulsive Boolean Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10838-10850.	11.3	3
97	Controllability of higher order switched boolean control networks. , 2013, , .		2
98	Polynomial Solutions to the Matrix Equation<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mi>X</mml:mi><mml:mo>â^</mml:mo><mml:mi>A</mml:mi><mml:msup><mml:mrow><mml:mi>X</mml:mi></mml:m Journal of Applied Mathematics, 2014, 2014, 1-8.	0.9	2
99	Observers of Fuzzy Descriptor Systems with Time-Delays. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.7	2
100	A new technique for solving continuous Sylvester-conjugate matrix equations. Transactions of the Institute of Measurement and Control, 2014, 36, 946-953.	1.7	2
101	The normalization and solvability of singular multivalued networks. , 2014, , .		2
102	On Stabilizability of Time-Delay Boolean Networks. , 2018, , .		2
103	On Stability and Stabilization of Continuous-Time Cross-Dimensional Linear Systems. , 2019, , .		2
104	A note on observability of switched Boolean control networks. , 2019, , .		2
105	Controllability and Reachability of Periodically Time-Variant Mixed-Valued Logical Control Networks. Circuits, Systems, and Signal Processing, 2021, 40, 3639-3654.	2.0	2
106	On the Properties of Cheng Projection. Journal of Systems Science and Complexity, 2021, 34, 1471-1486.	2.8	2
107	Matrix expression of Owen values. Asian Journal of Control, 0, , .	3.0	2
108	Delay-dependent Robust Stabilization for Uncertain Singular Time-delay Systems: Dynamic Output Feedback Case. , 0, , .		1

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109	Static output feedback control for continuous descriptor systems. , 2010, , .		1
110	Model-input-state matrix of Switched Boolean Control Networks and its applications. , 2012, , .		1
111	Solving a class of fuzzy relation inequalities via semi-tensor product. , 2012, , .		1
112	Consensus and r-consensus problems for singular systems. Journal of Systems Science and Complexity, 2014, 27, 252-262.	2.8	1
113	Nominal boolean networks. , 2017, , .		1
114	Solutions to the nonhomogeneous generalized Sylvester quaternion j-conjugate matrix equation. , 2017, , .		1
115	Output tracking of periodically time-variant Boolean control networks. , 2017, , .		1
116	Fuzzy filtering design for positive T-S fuzzy systems with Markov jumping parameters. , 2018, , .		1
117	Stability of Markov Jump Mix-Valued Logical Networks. , 2018, , .		1
118	Observability of Singular Boolean Control Networks. , 2019, , .		1
119	Controllability and Reachability of k-valued Logical Control Networks with Time Delays in States. , 2021, , .		1
120	A minimum adequate set of multi-valued logic. Control Theory and Technology, 0, , 1.	1.6	1
121	Pinning detectability of Boolean control networks with injection mode. Discrete and Continuous Dynamical Systems - Series S, 2022, 15, 3275.	1.1	1
122	Infinite time linear quadratic differential games for singular systems. , 2012, , .		0
123	Leader-follower formation control based on logic control networks approach. , 2013, , .		0
124	A new algorithm for decomposition problem of binary fuzzy relations. , 2013, , .		0
125	A new technique for solving continuous Sylvester-conjugate matrix equation AX â˘ XÌ…B = C. , 2014, , .		0
126	Singular LQ Problem for Irregular Singular Systems. Journal of Applied Mathematics, 2014, 2014, 1-9.	0.9	0

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127	Observer design for discrete fuzzy time-delayed descriptor systems. , 2014, , .		0
128	Singular mix-valued logical networks and its optimal control. , 2015, , .		0
129	Explicit formula of logical algebraic equations and singular Boolean networks with probability. , 2016, , .		0
130	AN ALTERNATIVE METHOD OF CONCEPT LEARNING. ANZIAM Journal, 2017, 58, 211-219.	0.2	0
131	H<inf>âˆž</inf> suboptimal input-output decoupling for linear systems. , 2017, , .		0
132	Minimum Node Control of Boolean Networks. , 2019, , .		0
133	An alternative method of concept learning. ANZIAM Journal, 0, 58, 211.	0.0	0
134	Detectability of Mix-valued Logical Networks. , 2020, , .		0
135	Output Tracking of Singular Boolean Control Networks. , 2021, , .		0
136	Simplification of logical functions with application to circuits. Electronic Research Archive, 2022, 30, 3320-3336.	0.9	0