

Jun-E Feng

List of Publications by Year in descending order

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136
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138
all docs

138
docs citations

138
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Observability of singular Boolean control networks with state delays. Journal of the Franklin Institute, 2022, 359, 331-351.	3.4	7
3	Observability Criteria for Boolean Networks. IEEE Transactions on Automatic Control, 2022, 67, 6248-6254.	5.7	14
4	Synchronization of drive-response singular Boolean networks. Nonlinear Analysis: Hybrid Systems, 2022, 44, 101141.	3.5	4
5	Pinning detectability of Boolean control networks with injection mode. Discrete and Continuous Dynamical Systems - Series S, 2022, 15, 3275.	1.1	1
6	New Method for Disturbance Decoupling of Boolean Networks. IEEE Transactions on Automatic Control, 2022, 67, 4794-4800.	5.7	17
7	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
8	On Identification of Boolean Control Networks. SIAM Journal on Control and Optimization, 2022, 60, 1591-1612.	2.1	6
9	Simplification of logical functions with application to circuits. Electronic Research Archive, 2022, 30, 3320-3336.	0.9	0
10	On reconstructibility of switched Boolean control networks. International Journal of Control, 2021, 94, 3339-3348.	1.9	4
11	Admissibilization for Implicit Jump Systems With Mixed Retarded Delays Based on Reciprocally Convex Integral Inequality and Barbalat's Lemma. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6808-6818.	9.3	37
12	State-feedback set stabilization of logical control networks with state-dependent delay. Science China Information Sciences, 2021, 64, 1.	4.3	14
13	On dimensions of dimension-bounded linear systems. Science China Information Sciences, 2021, 64, 1.	4.3	9
14	Solution and stability of continuous-time cross-dimensional linear systems. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 210-221.	2.6	12
15	On Dimensions of Linear Discrete Dimension-unbounded Systems. International Journal of Control, Automation and Systems, 2021, 19, 471-477.	2.7	9
16	Further Results for Pinning Stabilization of Boolean Networks. IEEE Transactions on Control of Network Systems, 2021, 8, 897-905.	3.7	14
17	Solvability of the matrix equation $M_1 X^2 = B$ with semi-tensor product. Electronic Research Archive, 2021, 29, 2249-2267.	0.9	3
18	Controllability and Reachability of Periodically Time-Variant Mixed-Valued Logical Control Networks. Circuits, Systems, and Signal Processing, 2021, 40, 3639-3654.	2.0	2

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19	On the Properties of Cheng Projection. <i>Journal of Systems Science and Complexity</i> , 2021, 34, 1471-1486.	2.8	2
20	Asynchronous admissibility and fault detection for delayed implicit Markovian switching systems under hidden Markovian model mechanism. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 7261-7279.	3.7	20
21	The set stabilization problem for Markovian jump Boolean control networks: An average optimal control approach. <i>Applied Mathematics and Computation</i> , 2021, 402, 126133.	2.2	8
22	Finite automata approach to reconstructibility of switched Boolean control networks. <i>Neurocomputing</i> , 2021, 454, 34-44.	5.9	9
23	Stability analysis of probabilistic Boolean networks with switching topology. <i>Nonlinear Analysis: Hybrid Systems</i> , 2021, 42, 101076.	3.5	4
24	Modeling and Dynamics of Networked Evolutionary Game With Switched Time Delay. <i>IEEE Transactions on Control of Network Systems</i> , 2021, 8, 1778-1787.	3.7	11
25	Controllability and Reachability of k-valued Logical Control Networks with Time Delays in States. , 2021, , .		1
26	Finite horizon tracking control of probabilistic Boolean control networks. <i>Journal of the Franklin Institute</i> , 2021, 358, 9909-9928.	3.4	6
27	Output Tracking of Singular Boolean Control Networks. , 2021, , .		0
28	Perfect hypercomplex algebras: Semi-tensor product approach. <i>Mathematical Modelling and Control</i> , 2021, 1, 177-187.	0.9	8
29	Controllability decomposition of dynamic-algebraic Boolean control networks. <i>International Journal of Control</i> , 2020, 93, 1684-1695.	1.9	14
30	General decomposition of fuzzy relations: Semi-tensor product approach. <i>Fuzzy Sets and Systems</i> , 2020, 384, 75-90.	2.7	27
31	A Matrix Approach for the Static Correction Problem of Asynchronous Sequential Machines. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 477-485.	2.7	12
32	Data set approach for solving logical equations. <i>Science China Information Sciences</i> , 2020, 63, 1.	4.3	7
33	Observability of Boolean networks via matrix equations. <i>Automatica</i> , 2020, 111, 108621.	5.0	52
34	Strategy optimisation for coupled evolutionary public good games with threshold. <i>International Journal of Control</i> , 2020, , 1-10.	1.9	9
35	Output Tracking of Boolean Control Networks With Impulsive Effects. <i>IEEE Access</i> , 2020, 8, 157793-157799.	4.2	5
36	Detectability of Boolean networks with disturbance inputs. <i>Systems and Control Letters</i> , 2020, 145, 104783.	2.3	17

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37	On detectability of Boolean control networks. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020, 36, 100859.	3.5	44
38	The equivalence transformation between Galois NFSRs and Fibonacci NFSRs. <i>Asian Journal of Control</i> , 2020, , .	3.0	3
39	Reconstructibility of singular Boolean control networks via automata approach. <i>Neurocomputing</i> , 2020, 416, 19-27.	5.9	8
40	Output tracking of delayed logical control networks with multi-constraint. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 316-323.	2.6	11
41	Set controllability of Boolean control networks with impulsive effects. <i>Neurocomputing</i> , 2020, 418, 263-269.	5.9	17
42	Detectability of Mix-valued Logical Networks. , 2020, , .		0
43	On degeneracy problem of NFSRs via semi-tensor product. , 2020, , .		3
44	Set reachability of Markovian jump Boolean networks and its applications. <i>IET Control Theory and Applications</i> , 2020, 14, 2914-2923.	2.1	7
45	Model matching of switched asynchronous sequential machines via matrix approach. <i>International Journal of Control</i> , 2019, 92, 2430-2440.	1.9	17
46	Matrix approach to detectability of discrete event systems. <i>Journal of the Franklin Institute</i> , 2019, 356, 6460-6477.	3.4	11
47	Controllability and observability of state-dependent switched Boolean control networks with input constraints. <i>Asian Journal of Control</i> , 2019, 21, 2662-2673.	3.0	14
48	On detectability of probabilistic Boolean networks. <i>Information Sciences</i> , 2019, 483, 383-395.	6.9	56
49	Set controllability for switched Boolean control networks. <i>Neurocomputing</i> , 2019, 359, 476-482.	5.9	12
50	Bisimulations of boolean control networks with impulsive effects and its application in controllability. <i>Asian Journal of Control</i> , 2019, 21, 2559-2568.	3.0	11
51	Command Filter-Based Adaptive Fuzzy Control for Nonlinear Systems With Unknown Control Directions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, , 1-9.	9.3	83
52	An adjoint network approach to design stabilizable switching signals of switched Boolean networks. <i>Applied Mathematics and Computation</i> , 2019, 357, 12-22.	2.2	16
53	Minimum time control of large-scale boolean control networks with constraints. <i>Asian Journal of Control</i> , 2019, 21, 2532-2542.	3.0	5
54	Admissibility analysis and stabilization for neutral descriptor hybrid systems with time-varying delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2019, 33, 311-321.	3.5	38

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55	Steady-state analysis of probabilistic Boolean networks. Journal of the Franklin Institute, 2019, 356, 2994-3009.	3.4	11
56	Input observability of Boolean control networks. Neurocomputing, 2019, 333, 22-28.	5.9	32
57	Block Decoupling of Boolean Control Networks. IEEE Transactions on Automatic Control, 2019, 64, 3129-3140.	5.7	83
58	On Stability and Stabilization of Continuous-Time Cross-Dimensional Linear Systems. , 2019, , .		2
59	Minimum Node Control of Boolean Networks. , 2019, , .		0
60	A note on observability of switched Boolean control networks. , 2019, , .		2
61	A New Characteristic of Switching Topology and Synchronization of Linear Multiagent Systems. IEEE Transactions on Automatic Control, 2019, 64, 2697-2711.	5.7	20
62	Further results on dynamic-algebraic Boolean control networks. Science China Information Sciences, 2019, 62, 1.	4.3	26
63	Observability of Singular Boolean Control Networks. , 2019, , .		1
64	Input-Output Decoupling of Boolean Control Networks. Asian Journal of Control, 2018, 20, 2185-2194.	3.0	22
65	A survey on applications of semi-tensor product method in engineering. Science China Information Sciences, 2018, 61, 1.	4.3	86
66	Stabilizability analysis and switching signals design of switched Boolean networks. Nonlinear Analysis: Hybrid Systems, 2018, 30, 31-44.	3.5	43
67	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
68	On Stabilizability of Time-Delay Boolean Networks. , 2018, , .		2
69	Optimal Control Problem of Boolean Control Networks: A Graph-theoretical Approach. , 2018, , .		4
70	Fuzzy filtering design for positive T-S fuzzy systems with Markov jumping parameters. , 2018, , .		1
71	Stability of Markov Jump Mix-Valued Logical Networks. , 2018, , .		1
72	Sampled-data controllability and stabilizability of Boolean control networks: Nonuniform sampling. Journal of the Franklin Institute, 2018, 355, 5324-5335.	3.4	40

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73	Design of Large-scale Boolean Networks Based on Prescribed Attractors. International Journal of Control, Automation and Systems, 2018, 16, 1120-1128.	2.7	5
74	Stability and Stabilization of Boolean Networks with Stochastic Delays. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	23
75	Exponential stability analysis and $\ x(t)\ \leq \gamma \ x(0)\ e^{-\lambda t}$ of positive T-S fuzzy systems with time-varying delays. Nonlinear Analysis: Hybrid Systems, 2017, 24, 186-197.	2.5	18
76	Topological structure of implicit Boolean networks. IET Control Theory and Applications, 2017, 11, 2058-2064.	2.1	12
77	AN ALTERNATIVE METHOD OF CONCEPT LEARNING. ANZIAM Journal, 2017, 58, 211-219.	0.2	0
78	H_∞ suboptimal input-output decoupling for linear systems. , 2017, , .		0
79	Nominal boolean networks. , 2017, , .		1
80	Matrix approach to model matching of composite asynchronous sequential machines. IET Control Theory and Applications, 2017, 11, 2122-2130.	2.1	22
81	Solutions to the nonhomogeneous generalized Sylvester quaternion j-conjugate matrix equation. , 2017, , .		1
82	Output tracking of periodically time-variant Boolean control networks. , 2017, , .		1
83	Explicit formula of logical algebraic equations and singular Boolean networks with probability. , 2016, , .		0
84	l1-gain analysis and model reduction problem for Boolean control networks. Information Sciences, 2016, 348, 68-83.	6.9	60
85	A matrix method to hypergraph transversal and covering problems with application in simplifying Boolean functions. , 2016, , .		4
86	Function perturbation of mix-valued logical networks with impacts on limit sets. Neurocomputing, 2016, 207, 428-436.	5.9	18
87	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
88	Singular mix-valued logical networks and its optimal control. , 2015, , .		0
89	Topological structure and optimal control of singular mix-valued logical networks. Control Theory and Technology, 2015, 13, 321-332.	1.6	5
90	Optimal control problem of singular Boolean control networks. International Journal of Control, Automation and Systems, 2015, 13, 266-273.	2.7	30

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91	Controllability and Observability of Singular Boolean Control Networks. Circuits, Systems, and Signal Processing, 2015, 34, 1233-1248.	2.0	43
92	A Real Representation Method for Solving Yakubovich- $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle j \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Conjugate Quaternion Matrix Equation. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.7	6
93	A new technique for solving continuous Sylvester-conjugate matrix equation $AX \tilde{X} \dots B = C$, 2014, , .		0
94	Revisiting singular Boolean networks. , 2014, , .		4
95	Polynomial Solutions to the Matrix Equation $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\sim} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle A \langle \text{mml:mi} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle X^2 \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle$ Journal of Applied Mathematics, 2014, 2014, 1-8.	0.9	2
96	Topological structure and the disturbance decoupling problem of singular Boolean networks. IET Control Theory and Applications, 2014, 8, 1247-1255.	2.1	43
97	Singular LQ Problem for Irregular Singular Systems. Journal of Applied Mathematics, 2014, 2014, 1-9.	0.9	0
98	Observers of Fuzzy Descriptor Systems with Time-Delays. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.7	2
99	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
100	Further Results on Disturbance Decoupling of Mix-Valued Logical Networks. IEEE Transactions on Automatic Control, 2014, 59, 1630-1634.	5.7	28
101	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
102	Observer design for discrete fuzzy time-delayed descriptor systems. , 2014, , .		0
103	The normalization and solvability of singular multivalued networks. , 2014, , .		2
104	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
105	Finite iterative method for solving coupled Sylvester-transpose matrix equations. Journal of Applied Mathematics and Computing, 2014, 46, 351-372.	2.5	25
106	Globally optimal real-time distributed fusion of multi-channel observation systems. IET Control Theory and Applications, 2014, 8, 384-388.	2.1	8
107	Consensus and r-consensus problems for singular systems. Journal of Systems Science and Complexity, 2014, 27, 252-262.	2.8	1
108	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

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109	Singular Boolean networks: Semi-tensor product approach. Science China Information Sciences, 2013, 56, 1.	4.3	20
110	Singular linear quadratic optimal control for singular stochastic discrete-time systems. Optimal Control Applications and Methods, 2013, 34, 505-516.	2.1	15
111	Leader-follower formation control based on logic control networks approach. , 2013, , .		0
112	Mix-valued logic-based formation control. International Journal of Control, 2013, 86, 1191-1199.	1.9	17
113	A new algorithm for decomposition problem of binary fuzzy relations. , 2013, , .		0
114	Controllability of higher order switched boolean control networks. , 2013, , .		2
115	Model-input-state matrix of Switched Boolean Control Networks and its applications. , 2012, , .		1
116	Infinite time linear quadratic differential games for singular systems. , 2012, , .		0
117	Solving a class of fuzzy relation inequalities via semi-tensor product. , 2012, , .		1
118	Input-output finite-time stability of time-varying linear singular systems. Journal of Control Theory and Applications, 2012, 10, 287-291.	0.8	24
119	Solving Fuzzy Relational Equations Via Semitensor Product. IEEE Transactions on Fuzzy Systems, 2012, 20, 390-396.	9.8	68
120	Comments on "Disturbance Decoupling of Boolean Control Networks". IEEE Transactions on Automatic Control, 2011, 56, 3001-3002.	5.7	3
121	Estimates of the spectral condition number. Linear and Multilinear Algebra, 2011, 59, 249-260.	1.0	8
122	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
123	Stabilization of Markovian Systems via Probability Rate Synthesis and Output Feedback. IEEE Transactions on Automatic Control, 2010, 55, 773-777.	5.7	47
124	Static output feedback control for continuous descriptor systems. , 2010, , .		1
125	Internal positivity preserved model reduction. International Journal of Control, 2010, 83, 575-584.	1.9	36
126	Finite-time functional observers for descriptor systems. International Journal of Control, Automation and Systems, 2009, 7, 341-347.	2.7	14

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127	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
128	Optimal stabilizing controllers for linear discrete-time stochastic systems. Optimal Control Applications and Methods, 2008, 29, 243-253.	2.1	13
129	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
130	H ∞ Output Feedback Control with Spectrum Constraints for Uncertain Stochastic Systems. Circuits, Systems, and Signal Processing, 2007, 26, 193-214.	2.0	5
131	Delay-dependent robust stability criterion and robust stabilization for uncertain singular time-delay systems. , 0, , .		25
132	Delay-dependent Robust Stabilization for Uncertain Singular Time-delay Systems: Dynamic Output Feedback Case. , 0, , .		1
133	State feedback stabilization of generic logic systems via Ledley antecedence solution. Mathematical Methods in the Applied Sciences, 0, , .	2.3	9
134	An alternative method of concept learning. ANZIAM Journal, 0, 58, 211.	0.0	0
135	A minimum adequate set of multi-valued logic. Control Theory and Technology, 0, , 1.	1.6	1
136	Matrix expression of Owen values. Asian Journal of Control, 0, , .	3.0	2