

Kuize Zhang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Controllability and Observability of Boolean Control Networks With Time-Variant Delays in States. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1478-1484.	7.2	138
2	Observability of Boolean Control Networks: A Unified Approach Based on Finite Automata. IEEE Transactions on Automatic Control, 2016, 61, 2733-2738.	3.6	136
3	Invertibility and nonsingularity of Boolean control networks. Automatica, 2015, 60, 155-164.	3.0	76
4	On Decomposed Subspaces of Finite Games. IEEE Transactions on Automatic Control, 2016, 61, 3651-3656.	3.6	52
5	A Weighted Pair Graph Representation for Reconstructibility of Boolean Control Networks. SIAM Journal on Control and Optimization, 2016, 54, 3040-3060.	1.1	50
6	Efficient Verification of Observability and Reconstructibility for Large Boolean Control Networks With Special Structures. IEEE Transactions on Automatic Control, 2020, 65, 5144-5158.	3.6	47
7	Finite automata approach to observability of switched Boolean control networks. Nonlinear Analysis: Hybrid Systems, 2016, 19, 186-197.	2.1	38
8	Opacity of Nondeterministic Transition Systems: A (Bi)Simulation Relation Approach. IEEE Transactions on Automatic Control, 2019, 64, 5116-5123.	3.6	38
9	The problem of determining the weak (periodic) detectability of discrete event systems is PSPACE-complete. Automatica, 2017, 81, 217-220.	3.0	35
10	Representations of the Drazin inverse on solution of a class singular differential equations. Linear and Multilinear Algebra, 2011, 59, 863-877.	0.5	28
11	Group inverse for the block matrices with an invertible subblock. Applied Mathematics and Computation, 2009, 215, 132-139.	1.4	25
12	Observability of Finite Labeled Transition Systems. IEEE Transactions on Automatic Control, 2018, 63, 1591-1602.	3.6	19
13	Agent Transformation of Bayesian Games. IEEE Transactions on Automatic Control, 2022, 67, 5793-5808.	3.6	19
14	Observability of Boolean control networks: A unified approach based on the theories of finite automata and formal languages. , 2014, , .		18
15	Some results on the group inverse of the block matrix with a sub-block of linear combination or product combination of matrices over skew fields. Linear and Multilinear Algebra, 2010, 58, 957-966.	0.5	15
16	Observability of Boolean Control Networks with Time-Variant Delays in States. Journal of Systems Science and Complexity, 2018, 31, 436-445.	1.6	14
17	Controllability of time-variant Boolean control networks and its application to Boolean control networks with finite memories. Science China Information Sciences, 2013, 56, 1-12.	2.7	13
18	L_2 stability, H_∞ control of switched homogeneous nonlinear systems and their semi-tensor product of matrices representation. International Journal of Robust and Nonlinear Control, 2013, 23, 638-652.	2.1	12

#	ARTICLE	IF	CITATIONS
19	Controllability of probabilistic Boolean control networks with time-variant delays in states. Science China Information Sciences, 2016, 59, 1.	2.7	11
20	K-delayed strong detectability of discrete-event systems. , 2019, , .		11
21	On detectability of labeled Petri nets and finite automata. Discrete Event Dynamic Systems: Theory and Applications, 2020, 30, 465-497.	0.6	11
22	An Application of Invertibility of Boolean Control Networks to the Control of the Mammalian Cell Cycle. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017, 14, 225-229.	1.9	10
23	Group inverses of matrices over right Ore domains. Applied Mathematics and Computation, 2012, 218, 6942-6953.	1.4	9
24	Modeling, Reachability and Controllability of Bounded Petri Nets Based on Semiâ€Tensor Product of Matrices. Asian Journal of Control, 2020, 22, 500-510.	1.9	9
25	Weak (approximate) detectability of labeled Petri net systems with inhibitor arcs. IFAC-PapersOnLine, 2018, 51, 167-171.	0.5	7
26	Discrete-Time and Discrete-Space Dynamical Systems. Communications and Control Engineering, 2020, , .	1.0	7
27	Group inverse for block matrix with t-potent subblock. Journal of Applied Mathematics and Computing, 2012, 39, 109-119.	1.2	6
28	A Unified Method to Decentralized State Detection and Fault Diagnosis/prediction of Discrete-event Systems. Fundamenta Informaticae, 2021, 181, 339-371.	0.3	6
29	Infinite-step opacity of nondeterministic finite transition systems: A bisimulation relation approach. , 2017, , .		5
30	Synthesis for observability of logical control networks. Automatica, 2022, 144, 110481.	3.0	5
31	A note on stationary stable profiles of networked evolutionary games. , 2017, , .		4
32	Efficient Observability Verification for Large-Scale Boolean Control Networks. , 2018, , .		4
33	Detectability of labeled weighted automata over monoids. Discrete Event Dynamic Systems: Theory and Applications, 2022, 32, 435-494.	0.6	4
34	High-Order S-Lemma with Application to Stability of a Class of Switched Nonlinear Systems. SIAM Journal on Control and Optimization, 2014, 52, 120-142.	1.1	3
35	Dynamics and control of evolutionary congestion games. Science China Information Sciences, 2020, 63, 1.	2.7	3
36	Detectability of Nondeterministic Finite Transition Systems * *This work was supported in part by the German Research Foundation (DFG) through the grant ZA 873/1-1.. IFAC-PapersOnLine, 2017, 50, 9272-9277.	0.5	2

#	ARTICLE	IF	CITATIONS
37	Polynomial representation for orthogonal projections onto subspaces of finite games. , 2017, , .		2
38	Revisiting strong detectability of networked discrete-event systems. IFAC-PapersOnLine, 2020, 53, 21-27.	0.5	2
39	Polynomial-Time Verification and Enforcement of Delayed Strong Detectability for Discrete-Event Systems. IEEE Transactions on Automatic Control, 2023, 68, 510-515.	3.6	2
40	Basis for the quotient space of matrices under equivalence. Science China Information Sciences, 2020, 63, 1.	2.7	1
41	Controllability of probabilistic Boolean control networks with time-variant delays in states. , 2013, , .		0
42	Using the theories of finite automata and formal languages to determine observability of switched Boolean control networks. , 2015, , .		0
43	Fundamental characterization for state detectability of logical dynamical systems. , 2016, , .		0
44	On nonsingularity of Boolean control networks. , 2016, , .		0
45	Strategy detection of nondeterministic dynamical games. , 2016, , .		0
46	Detectability of Finite-State Automata. Communications and Control Engineering, 2020, , 179-192.	1.0	0
47	Invertibility and Nonsingularity of Boolean Control Networks. Communications and Control Engineering, 2020, , 59-86.	1.0	0
48	Observability and Detectability of Large-Scale Boolean Control Networks. Communications and Control Engineering, 2020, , 117-142.	1.0	0
49	Instant detectability of discrete-event systems. IFAC-PapersOnLine, 2020, 53, 2137-2142.	0.5	0