Zhipeng Zhang

List of Publications by Year
in descending order

28 papers	468 citations	758635 12 h-index	676716 22 g-index
28 all docs	28 docs citations	28 times ranked	446 citing authors

#	Article	IF	Citations
1	A State Space Approach to Decentralized Fault SE-Coprognosability of Partially Observed Discrete Event Systems. IEEE Transactions on Cybernetics, 2023, 53, 2028-2033.	6.2	3
2	Security and privacy with opacity‑based state observation for finite state machine. Asian Journal of Control, 2022, 24, 614-625.	1.9	7
3	Event-Based Fault Diagnosis of Networked Discrete Event Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1787-1791.	2.2	1
4	Initial-State Observability of Mealy-Based Finite-State Machine With Nondeterministic Output Functions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6396-6405.	5.9	20
5	Event-Triggered Control for Weighted Networked Evolutionary Games With Threshold. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3515-3519.	2.2	0
6	I-Detectability of Networked Discrete Event Systems by Matrix Approach. International Journal of Control, Automation and Systems, 2022, 20, 750-757.	1.6	1
7	Modeling and optimization control of networked evolutionary games with heterogeneous memories and switched topologies. Knowledge-Based Systems, 2022, 252, 109378.	4.0	4
8	Observability analysis of combined finite automata based upon semi-tensor product of matrices approach. Transactions of the Institute of Measurement and Control, 2021, 43, 717-727.	1.1	9
9	Emergence of cooperation with reputation-updating timescale in spatial public goods game. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 393, 127173.	0.9	19
10	Security and privacy with K-step opacity for finite automata via a novel algebraic approach. Transactions of the Institute of Measurement and Control, 2021, 43, 3606-3614.	1.1	5
11	Networked opacity for finite state machine with bounded communication delays. Information Sciences, 2021, 572, 57-66.	4.0	24
12	Three kinds of coprognosability for partially-observed discrete event systems via a matrix approach. Nonlinear Analysis: Hybrid Systems, 2021, 42, 101073.	2.1	8
13	Algebraic analysis and control of networked opacity with bounded communication delays. , 2021, , .		0
14	Diagnosability of composite automata based on semi-tensor product. Systems Science and Control Engineering, 2021, 9, 119-131.	1.8	1
15	On the stabilization of nondeterministic finite automata via static output feedback. Applied Mathematics and Computation, 2020, 365, 124687.	1.4	30
16	Stabilization of probabilistic finite automata based on semi-tensor product of matrices. Journal of the Franklin Institute, 2020, 357, 5173-5186.	1.9	16
17	Novel polyimides containing flexible carbazole blocks with electrochromic and electrofluorescencechromic properties. RSC Advances, 2020, 10, 6992-7003.	1.7	19
18	Semi-Tensor Product of Matrices Approach to the Problem of Fault Detection for Discrete Event Systems (DESs). IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3098-3102.	2.2	19

#	Article	IF	Citations
19	Reachability Analysis of Networked Finite State Machine With Communication Losses: A Switched Perspective. IEEE Journal on Selected Areas in Communications, 2020, 38, 845-853.	9.7	61
20	Observability Analysis of Composite Automata based on Algebraic State Space. , 2020, , .		0
21	Reachability and controllability analysis of probabilistic finite automata via a novel matrix method. Asian Journal of Control, 2019, 21, 2578-2586.	1.9	8
22	On the static output feedback stabilisation of discrete event dynamic systems based upon the approach of semi-tensor product of matrices. International Journal of Systems Science, 2019, 50, 1595-1608.	3.7	11
23	Observability Analysis of Parallel Combining Automata based on Algebraic State Space. , 2019, , .		1
24	Modeling and reachability of probabilistic finite automata based on semi-tensor product of matrices. Science China Information Sciences, 2018, 61, 1.	2.7	26
25	Rhodium-catalyzed malonation of 2-arylquinazolines with 2-diazomalonates: double C–H functionalization. RSC Advances, 2017, 7, 27603-27607.	1.7	4
26	Programmable strand displacement-based magnetic separation for simultaneous amplified detection of multiplex microRNAs by chemiluminescence imaging array. Biosensors and Bioelectronics, 2017, 98, 234-239.	5.3	54
27	Chemiluminescence resonance energy transfer imaging on magnetic particles for single-nucleotide polymorphism detection based on ligation chain reaction. Biosensors and Bioelectronics, 2015, 65, 139-144.	5.3	40
28	Metal ions triggered ligase activity for rolling circle amplification and its application in molecular logic gate operations. Chemical Science, 2013, 4, 1858.	3.7	77