

Zhipeng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

468
citations

758635

12
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676716

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28
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28
docs citations

28
times ranked

446
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal ions triggered ligase activity for rolling circle amplification and its application in molecular logic gate operations. <i>Chemical Science</i> , 2013, 4, 1858.	3.7	77
2	Reachability Analysis of Networked Finite State Machine With Communication Losses: A Switched Perspective. <i>IEEE Journal on Selected Areas in Communications</i> , 2020, 38, 845-853.	9.7	61
3	Programmable strand displacement-based magnetic separation for simultaneous amplified detection of multiplex microRNAs by chemiluminescence imaging array. <i>Biosensors and Bioelectronics</i> , 2017, 98, 234-239.	5.3	54
4	Chemiluminescence resonance energy transfer imaging on magnetic particles for single-nucleotide polymorphism detection based on ligation chain reaction. <i>Biosensors and Bioelectronics</i> , 2015, 65, 139-144.	5.3	40
5	On the stabilization of nondeterministic finite automata via static output feedback. <i>Applied Mathematics and Computation</i> , 2020, 365, 124687.	1.4	30
6	Modeling and reachability of probabilistic finite automata based on semi-tensor product of matrices. <i>Science China Information Sciences</i> , 2018, 61, 1.	2.7	26
7	Networked opacity for finite state machine with bounded communication delays. <i>Information Sciences</i> , 2021, 572, 57-66.	4.0	24
8	Initial-State Observability of Mealy-Based Finite-State Machine With Nondeterministic Output Functions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 6396-6405.	5.9	20
9	Novel polyimides containing flexible carbazole blocks with electrochromic and electrofluorescencechromic properties. <i>RSC Advances</i> , 2020, 10, 6992-7003.	1.7	19
10	Semi-Tensor Product of Matrices Approach to the Problem of Fault Detection for Discrete Event Systems (DESS). <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 3098-3102.	2.2	19
11	Emergence of cooperation with reputation-updating timescale in spatial public goods game. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 393, 127173.	0.9	19
12	Stabilization of probabilistic finite automata based on semi-tensor product of matrices. <i>Journal of the Franklin Institute</i> , 2020, 357, 5173-5186.	1.9	16
13	On the static output feedback stabilisation of discrete event dynamic systems based upon the approach of semi-tensor product of matrices. <i>International Journal of Systems Science</i> , 2019, 50, 1595-1608.	3.7	11
14	Observability analysis of combined finite automata based upon semi-tensor product of matrices approach. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 717-727.	1.1	9
15	Reachability and controllability analysis of probabilistic finite automata via a novel matrix method. <i>Asian Journal of Control</i> , 2019, 21, 2578-2586.	1.9	8
16	Three kinds of coprognosability for partially-observed discrete event systems via a matrix approach. <i>Nonlinear Analysis: Hybrid Systems</i> , 2021, 42, 101073.	2.1	8
17	Security and privacy with opacity-based state observation for finite state machine. <i>Asian Journal of Control</i> , 2022, 24, 614-625.	1.9	7
18	Security and privacy with K-step opacity for finite automata via a novel algebraic approach. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 3606-3614.	1.1	5

#	ARTICLE	IF	CITATIONS
19	Rhodium-catalyzed malonation of 2-arylquinazolines with 2-diazomalonates: double C=C functionalization. <i>RSC Advances</i> , 2017, 7, 27603-27607.	1.7	4
20	Modeling and optimization control of networked evolutionary games with heterogeneous memories and switched topologies. <i>Knowledge-Based Systems</i> , 2022, 252, 109378.	4.0	4
21	A State Space Approach to Decentralized Fault SE-Coprognosability of Partially Observed Discrete Event Systems. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 2028-2033.	6.2	3
22	Observability Analysis of Parallel Combining Automata based on Algebraic State Space. , 2019, , .		1
23	Event-Based Fault Diagnosis of Networked Discrete Event Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 1787-1791.	2.2	1
24	Diagnosability of composite automata based on semi-tensor product. <i>Systems Science and Control Engineering</i> , 2021, 9, 119-131.	1.8	1
25	I-Detectability of Networked Discrete Event Systems by Matrix Approach. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 750-757.	1.6	1
26	Algebraic analysis and control of networked opacity with bounded communication delays. , 2021, , .		0
27	Observability Analysis of Composite Automata based on Algebraic State Space. , 2020, , .		0
28	Event-Triggered Control for Weighted Networked Evolutionary Games With Threshold. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 3515-3519.	2.2	0