

Kuize Zhang

List of Publications by Year in descending order

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49
papers

897
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times ranked

266
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | Agent Transformation of Bayesian Games. IEEE Transactions on Automatic Control, 2022, 67, 5793-5808. | 3.6 | 19 |
| 3 | Detectability of labeled weighted automata over monoids. Discrete Event Dynamic Systems: Theory and Applications, 2022, 32, 435-494. | 0.6 | 4 |
| 4 | Synthesis for observability of logical control networks. Automatica, 2022, 144, 110481. | 3.0 | 5 |
| 5 | A Unified Method to Decentralized State Detection and Fault Diagnosis/prediction of Discrete-event Systems. Fundamenta Informaticae, 2021, 181, 339-371. | 0.3 | 6 |
| 6 | Modeling, Reachability and Controllability of Bounded Petri Nets Based on Semi-Tensor Product of Matrices. Asian Journal of Control, 2020, 22, 500-510. | 1.9 | 9 |
| 7 | Discrete-Time and Discrete-Space Dynamical Systems. Communications and Control Engineering, 2020, , . | 1.0 | 7 |
| 8 | Dynamics and control of evolutionary congestion games. Science China Information Sciences, 2020, 63, 1. | 2.7 | 3 |
| 9 | On detectability of labeled Petri nets and finite automata. Discrete Event Dynamic Systems: Theory and Applications, 2020, 30, 465-497. | 0.6 | 11 |
| 10 | 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 |
| 11 | Basis for the quotient space of matrices under equivalence. Science China Information Sciences, 2020, 63, 1. | 2.7 | 1 |
| 12 | Detectability of Finite-State Automata. Communications and Control Engineering, 2020, , 179-192. | 1.0 | 0 |
| 13 | Invertibility and Nonsingularity of Boolean Control Networks. Communications and Control Engineering, 2020, , 59-86. | 1.0 | 0 |
| 14 | Observability and Detectability of Large-Scale Boolean Control Networks. Communications and Control Engineering, 2020, , 117-142. | 1.0 | 0 |
| 15 | Revisiting strong detectability of networked discrete-event systems. IFAC-PapersOnLine, 2020, 53, 21-27. | 0.5 | 2 |
| 16 | Instant detectability of discrete-event systems. IFAC-PapersOnLine, 2020, 53, 2137-2142. | 0.5 | 0 |
| 17 | Opacity of Nondeterministic Transition Systems: A (Bi)Simulation Relation Approach. IEEE Transactions on Automatic Control, 2019, 64, 5116-5123. | 3.6 | 38 |
| 18 | K-delayed strong detectability of discrete-event systems. , 2019, , . | | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Observability of Boolean Control Networks with Time-Variant Delays in States. Journal of Systems Science and Complexity, 2018, 31, 436-445. | 1.6 | 14 |
| 20 | Efficient Observability Verification for Large-Scale Boolean Control Networks. , 2018, , . | | 4 |
| 21 | Weak (approximate) detectability of labeled Petri net systems with inhibitor arcs. IFAC-PapersOnLine, 2018, 51, 167-171. | 0.5 | 7 |
| 22 | Observability of Finite Labeled Transition Systems. IEEE Transactions on Automatic Control, 2018, 63, 1591-1602. | 3.6 | 19 |
| 23 | 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 |
| 24 | The problem of determining the weak (periodic) detectability of discrete event systems is PSPACE-complete. Automatica, 2017, 81, 217-220. | 3.0 | 35 |
| 25 | A note on stationary stable profiles of networked evolutionary games. , 2017, , . | | 4 |
| 26 | 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 |
| 27 | Infinite-step opacity of nondeterministic finite transition systems: A bisimulation relation approach. , 2017, , . | | 5 |
| 28 | Polynomial representation for orthogonal projections onto subspaces of finite games. , 2017, , . | | 2 |
| 29 | A Weighted Pair Graph Representation for Reconstructibility of Boolean Control Networks. SIAM Journal on Control and Optimization, 2016, 54, 3040-3060. | 1.1 | 50 |
| 30 | Fundamental characterization for state detectability of logical dynamical systems. , 2016, , . | | 0 |
| 31 | On nonsingularity of Boolean control networks. , 2016, , . | | 0 |
| 32 | Strategy detection of nondeterministic dynamical games. , 2016, , . | | 0 |
| 33 | Controllability of probabilistic Boolean control networks with time-variant delays in states. Science China Information Sciences, 2016, 59, 1. | 2.7 | 11 |
| 34 | Observability of Boolean Control Networks: A Unified Approach Based on Finite Automata. IEEE Transactions on Automatic Control, 2016, 61, 2733-2738. | 3.6 | 136 |
| 35 | Finite automata approach to observability of switched Boolean control networks. Nonlinear Analysis: Hybrid Systems, 2016, 19, 186-197. | 2.1 | 38 |
| 36 | On Decomposed Subspaces of Finite Games. IEEE Transactions on Automatic Control, 2016, 61, 3651-3656. | 3.6 | 52 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Using the theories of finite automata and formal languages to determine observability of switched Boolean control networks. , 2015, , . | | 0 |
| 38 | Invertibility and nonsingularity of Boolean control networks. Automatica, 2015, 60, 155-164. | 3.0 | 76 |
| 39 | Observability of Boolean control networks: A unified approach based on the theories of finite automata and formal languages. , 2014, , . | | 18 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Controllability of probabilistic Boolean control networks with time-variant delays in states. , 2013, , . | | 0 |
| 45 | Group inverse for block matrix with t-potent subblock. Journal of Applied Mathematics and Computing, 2012, 39, 109-119. | 1.2 | 6 |
| 46 | Group inverses of matrices over right Ore domains. Applied Mathematics and Computation, 2012, 218, 6942-6953. | 1.4 | 9 |
| 47 | Representations of the Drazin inverse on solution of a class singular differential equations. Linear and Multilinear Algebra, 2011, 59, 863-877. | 0.5 | 28 |
| 48 | 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 |
| 49 | Group inverse for the block matrices with an invertible subblock. Applied Mathematics and Computation, 2009, 215, 132-139. | 1.4 | 25 |