

# Liyong Lin

## List of Publications by Year in descending order

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31  
papers

263  
citations

1478505

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1281871

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g-index

31  
all docs

31  
docs citations

31  
times ranked

88  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of covert actuator attackers for free. Discrete Event Dynamic Systems: Theory and Applications, 2020, 30, 561-577.	1.5	36
2	Supervisory Control of Discrete-Event Systems under Attacks: An Overview and Outlook. , 2019, , .		28
3	Towards Bounded Synthesis of Resilient Supervisors. , 2019, , .		25
4	Supervisor Synthesis for Networked Discrete Event Systems With Communication Delays and Lossy Channels. , 2019, , .		24
5	Supervisor Obfuscation Against Actuator Enablement Attack. , 2019, , .		24
6	Synthesis of covert actuator and sensor attackers. Automatica, 2021, 130, 109714.	5.0	23
7	Synthesis of Supremal Successful Normal Actuator Attackers on Normal Supervisors. , 2019, , .		16
8	State-Based Control of Discrete-Event Systems Under Partial Observation. IEEE Access, 2018, 6, 42084-42093.	4.2	10
9	Towards decentralized synthesis: Decomposable sublanguage and Joint Observability Problems. , 2014, , .		9
10	On Distributed and Parameterized Supervisor Synthesis Problems. IEEE Transactions on Automatic Control, 2016, 61, 777-782.	5.7	9
11	A new modeling framework for networked discrete-event systems. Automatica, 2022, 138, 110139.	5.0	9
12	Synthesis of Covert Actuator and Sensor Attackers as Supervisor Synthesis. IFAC-PapersOnLine, 2020, 53, 1-6.	0.9	8
13	Model Checking in Isomorphic Module Systems. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	5
14	Automatic Generation of Optimal Reductions of Distributions. IEEE Transactions on Automatic Control, 2019, 64, 896-911.	5.7	4
15	Networked supervisor synthesis against lossy channels with bounded network delays as non-networked synthesis. Automatica, 2022, 142, 110279.	5.0	4
16	Synthesis of the Supremal Covert Attacker Against Unknown Supervisors by Using Observations. IEEE Transactions on Automatic Control, 2023, 68, 3453-3468.	5.7	4
17	On analysis of deadlock and blocking freeness in isomorphic module systems. , 2013, , .		3
18	Observation-assisted heuristic synthesis of covert attackers against unknown supervisors. Discrete Event Dynamic Systems: Theory and Applications, 2022, 32, 495-520.	1.5	3

#	ARTICLE	IF	CITATIONS
19	Heuristic Synthesis of Covert Attackers Against Unknown Supervisors. , 2021, , .		3
20	Identification of System Vulnerability Under a Smart Sensor Attack via Attack Model Reduction. , 2022, 6, 2948-2953.		3
21	Automaton-based timed supervisory control for operational planning and scheduling under multiple job deadlines. , 2014, , .		2
22	Reduction of distributions and its applications. , 2017, , .		2
23	Failsafe mechanism design of multicopters based on supervisory control theory. IET Cyber-Systems and Robotics, 2020, 2, 31-42.	1.8	2
24	Supervisory Control of Time-Interval Discrete Event Systems. IFAC-PapersOnLine, 2020, 53, 217-222.	0.9	2
25	Remarks on the difficulty of top-down supervisor synthesis. , 2012, , .		1
26	Discrete-event based vehicle dispatching and scheduling in multicommodity transportations. , 2014, , .		1
27	Reduction of Distributions: Definitions, Properties, and Applications. IEEE Transactions on Automatic Control, 2017, 62, 5755-5768.	5.7	1
28	Symbolic reachability analysis and maximally permissive entrance control for globally synchronized templates. Automatica, 2018, 87, 290-300.	5.0	1
29	Synchronous Composition of Finite Interval Automata. , 2019, , .		1
30	Model based task programming for secure multimodal human-robot interaction. , 2014, , .		0
31	An Efficient Method of Matrix Multiplication for Heaps of Pieces. IFAC-PapersOnLine, 2018, 51, 206-211.	0.9	0