

# Zhiru Cao

## List of Publications by Year in descending order

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21  
papers

616  
citations

932766

10  
h-index

887659

17  
g-index

21  
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21  
docs citations

21  
times ranked

347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite-Time Sliding-Mode Control of Markovian Jump Cyber-Physical Systems Against Randomly Occurring Injection Attacks. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 1264-1271.	3.6	189
2	Event-triggered sliding mode control for multi-agent systems subject to channel fading. <i>International Journal of Systems Science</i> , 2022, 53, 1233-1244.	3.7	63
3	Sliding Mode Control of Markovian Jump Fuzzy Systems: A Dynamic Event-Triggered Method. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 2902-2915.	6.5	61
4	Adaptive Neural Sliding Mode Control for Singular Semi-Markovian Jump Systems Against Actuator Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, , 1-11.	5.9	52
5	Security Sliding Mode Control of Interval Type-2 Fuzzy Systems Subject to Cyber Attacks: The Stochastic Communication Protocol Case. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 240-251.	6.5	47
6	A Hybrid Sliding Mode Control Scheme of Markovian Jump Systems via Transition Rates Optimal Design. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 7752-7763.	5.9	40
7	Dynamic output feedback sliding mode control for Markovian jump systems under stochastic communication protocol and its application. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 7307-7325.	2.1	37
8	Sliding mode control of automotive electronic valve system under weighted try-once-discard protocol. <i>Information Sciences</i> , 2020, 515, 324-340.	4.0	27
9	Finite-time Sliding Mode Control of Markovian Jump Systems Subject to Actuator Faults. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 2282-2289.	1.6	26
10	Finite-time sliding mode control of Markovian jump systems subject to actuator nonlinearities and its application to wheeled mobile manipulator. <i>Journal of the Franklin Institute</i> , 2018, 355, 7865-7894.	1.9	25
11	Finite-time stochastic boundedness of Markovian jump systems: A sliding-mode-based hybrid design method. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020, 36, 100862.	2.1	10
12	Sliding mode control for multi-agent systems under stochastic communication protocol. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 7522-7535.	2.1	10
13	Optimized hybrid design with stabilizing transition probability for stochastic Markovian jump systems under hidden Markov mode detector. <i>Asian Journal of Control</i> , 0, , .	1.9	7
14	Self-triggered sliding mode control for Digital Fly-by-Wire aircraft system. <i>Journal of the Franklin Institute</i> , 2020, 357, 10492-10512.	1.9	5
15	Finite-time $\mathcal{H}_2/\mathcal{H}_\infty$ control of Markovian jump linear systems with partly accessible hidden information via asynchronous output feedback. , 2017, , .		4
16	Sliding mode control of uncertain FMII 2D systems under directional event-triggered schemes. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 5226-5246.	2.1	4
17	Input-output finite-time stabilisation of Markovian jump systems with incomplete transition rates: a sliding mode method. <i>International Journal of Systems Science</i> , 2018, 49, 3182-3195.	3.7	3
18	Non-fragile finite-time sliding mode control for Markovian jump systems with randomly occurring uncertainties and controller gain variations. <i>Journal of the Franklin Institute</i> , 2022, 359, 1257-1273.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Guaranteed cost sliding mode control of Markovian jump Lur'e systems under RoundRobin protocol. IET Control Theory and Applications, 2020, 14, 2784-2794.	1.2	2
20	Sliding mode control for Markovian jump systems under deception attacks. , 2021, , .		1
21	Finite-time boundedness of uncertain Markovian jump systems: A sliding mode approach. , 2017, , .		0