

An-Yang Lu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

875
citations

16
h-index

29
g-index

32
ext. papers

1,154
ext. citations

5.2
avg, IF

5.56
L-index

#	Paper	IF	Citations
31	Malicious adversaries against secure state estimation: Sparse sensor attack design. <i>Automatica</i> , 2022 , 136, 110037	5.7	0
30	False data injection attacks against state estimation without knowledge of estimators. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	2
29	Stability Analysis for Cyber-Physical Systems Under Denial-of-Service Attacks. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 5304-5313	10.2	7
28	Resilient observer-based control for cyber-physical systems under denial-of-service attacks. <i>Information Sciences</i> , 2021 , 545, 102-117	7.7	10
27	Distributed Secure State Estimation in the Presence of Malicious Agents. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2875-2882	5.9	4
26	Malicious Attacks on State Estimation Against Distributed Control Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 3911-3918	5.9	16
25	Observer-Based Control for Cyber-Physical Systems Under Denial-of-Service With a Decentralized Event-Triggered Scheme. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4886-4895	10.2	27
24	Stabilization of switched systems with all modes unstable via periodical switching laws. <i>Automatica</i> , 2020 , 122, 109150	5.7	11
23	Resilient Observer-Based Control for Cyber-Physical Systems With Multiple Transmission Channels Under Denial-of-Service. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4796-4807	10.2	21
22	Secure State Estimation for Multiagent Systems With Faulty and Malicious Agents. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 3471-3485	5.9	13
21	False data injection attacks against state estimation in the presence of sensor failures. <i>Information Sciences</i> , 2020 , 508, 92-104	7.7	27
20	Switched projected gradient descent algorithms for secure state estimation under sparse sensor attacks. <i>Automatica</i> , 2019 , 103, 503-514	5.7	20
19	Secure Switched Observers for Cyber-Physical Systems Under Sparse Sensor Attacks: A Set Cover Approach. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 3949-3955	5.9	26
18	Distributed consensus control for multi-agent systems under denial-of-service. <i>Information Sciences</i> , 2018 , 439-440, 95-107	7.7	94
17	Adaptive Fuzzy Tracking Control for a Class of Switched Uncertain Nonlinear Systems: An Adaptive State-Dependent Switching Law Method. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 2282-2291	7.3	29
16	Adaptive Tracking Control for a Class of Switched Nonlinear Systems Under Asynchronous Switching. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1245-1256	8.3	23
15	Network-based fuzzy H _∞ controller design for T-S fuzzy systems via a new event-triggered communication scheme. <i>Neurocomputing</i> , 2018 , 273, 403-413	5.4	13

14	Input-to-State Stabilizing Control for Cyber-Physical Systems With Multiple Transmission Channels Under Denial of Service. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1813-1820	5.9	162
13	Secure Luenberger-like observers for cyberphysical systems under sparse actuator and sensor attacks. <i>Automatica</i> , 2018 , 98, 124-129	5.7	32
12	H_∞ control for linear switched systems with time-varying delay and dead-zone inputs via an adaptive memory controller. <i>Optimal Control Applications and Methods</i> , 2017 , 38, 376-398	1.7	2
11	Adaptive tracking control for a class of switched uncertain nonlinear systems under a new state-dependent switching law. <i>Nonlinear Analysis: Hybrid Systems</i> , 2017 , 24, 227-243	4.5	20
10	Event triggered H_2/H_∞ fault detection and isolation for T-S fuzzy systems with local nonlinear models. <i>Signal Processing</i> , 2017 , 138, 244-255	4.4	29
9	Event-triggered secure observer-based control for cyber-physical systems under adversarial attacks. <i>Information Sciences</i> , 2017 , 420, 96-109	7.7	52
8	Stability analysis and state feedback control of continuous-time T Σ fuzzy systems via a new switched fuzzy Lyapunov function approach. <i>Applied Mathematics and Computation</i> , 2017 , 293, 586-599	2.7	16
7	H_∞ control for Markovian jump systems with partially unknown transition rates via an adaptive method. <i>Journal of Mathematical Analysis and Applications</i> , 2017 , 446, 886-907	1.1	9
6	Secure state estimation for cyber-physical systems under sparse sensor attacks via a switched Luenberger observer. <i>Information Sciences</i> , 2017 , 417, 454-464	7.7	53
5	State and dynamic output feedback control of switched linear systems via a mixed time and state-dependent switching law. <i>Nonlinear Analysis: Hybrid Systems</i> , 2016 , 22, 228-248	4.5	19
4	Dynamic output feedback H_∞ control for switched T Σ fuzzy systems via discretized Lyapunov function technique. <i>Neurocomputing</i> , 2016 , 177, 651-669	5.4	15
3	Simultaneous fault detection and control for switched linear systems with mode-dependent average dwell-time. <i>Applied Mathematics and Computation</i> , 2016 , 273, 767-792	2.7	103
2	Robust H_∞ control for switched singular linear systems with uncertainties in the derivative matrices: an improved average dwell time approach. <i>Optimal Control Applications and Methods</i> , 2016 , 37, 441-460	1.7	10
1	Asynchronous H_∞ filtering for 2D discrete Markovian jump systems with sensor failure. <i>Applied Mathematics and Computation</i> , 2016 , 289, 60-79	2.7	10