An-Yang Lu

List of Publications by Citations

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	Input-to-State Stabilizing Control for Cyber-Physical Systems With Multiple Transmission Channels Under Denial of Service. *IEEE Transactions on Automatic Control*, **2018**, 63, 1813-1820	5.9	162
30	Simultaneous fault detection and control for switched linear systems with mode-dependent average dwell-time. *Applied Mathematics and Computation*, **2016**, 273, 767-792	2.7	103
29	Distributed consensus control for multi-agent systems under denial-of-service. *Information Sciences*, **2018**, 439-440, 95-107	7.7	94
28	Secure state estimation for cyber-physical systems under sparse sensor attacks via a switched Luenberger observer. *Information Sciences*, **2017**, 417, 454-464	7.7	53
27	Event-triggered secure observer-based control for cyber-physical systems under adversarial attacks. *Information Sciences*, **2017**, 420, 96-109	7.7	52
26	Secure Luenberger-like observers for cyber-physical systems under sparse actuator and sensor attacks. *Automatica*, **2018**, 98, 124-129	5.7	32
25	Event triggered H_-/H_∞ fault detection and isolation for T-S fuzzy systems with local nonlinear models. *Signal Processing*, **2017**, 138, 244-255	4.4	29
24	Adaptive Fuzzy Tracking Control for a Class of Switched Uncertain Nonlinear Systems: An Adaptive State-Dependent Switching Law Method. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 2282-2291	7.3	29
23	Observer-Based Control for Cyber-Physical Systems Under Denial-of-Service With a Decentralized Event-Triggered Scheme. *IEEE Transactions on Cybernetics*, **2020**, 50, 4886-4895	10.2	27
22	False data injection attacks against state estimation in the presence of sensor failures. *Information Sciences*, **2020**, 508, 92-104	7.7	27
21	Secure Switched Observers for Cyber-Physical Systems Under Sparse Sensor Attacks: A Set Cover Approach. *IEEE Transactions on Automatic Control*, **2019**, 64, 3949-3955	5.9	26
20	Adaptive Tracking Control for a Class of Switched Nonlinear Systems Under Asynchronous Switching. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 1245-1256	8.3	23
19	Resilient Observer-Based Control for Cyber-Physical Systems With Multiple Transmission Channels Under Denial-of-Service. *IEEE Transactions on Cybernetics*, **2020**, 50, 4796-4807	10.2	21
18	Adaptive tracking control for a class of switched uncertain nonlinear systems under a new state-dependent switching law. *Nonlinear Analysis: Hybrid Systems*, **2017**, 24, 227-243	4.5	20
17	Switched projected gradient descent algorithms for secure state estimation under sparse sensor attacks. *Automatica*, **2019**, 103, 503-514	5.7	20
16	State and dynamic output feedback control of switched linear systems via a mixed time and state-dependent switching law. *Nonlinear Analysis: Hybrid Systems*, **2016**, 22, 228-248	4.5	19
15	Stability analysis and state feedback control of continuous-time T-S fuzzy systems via a new switched fuzzy Lyapunov function approach. *Applied Mathematics and Computation*, **2017**, 293, 586-599	2.7	16

LIST OF PUBLICATIONS

14	Malicious Attacks on State Estimation Against Distributed Control Systems. *IEEE Transactions on Automatic Control*, **2020**, 65, 3911-3918	5.9	16
13	Dynamic output feedback H_∞ control for switched T-S fuzzy systems via discretized Lyapunov function technique. *Neurocomputing*, **2016**, 177, 651-669	5.4	15
12	Network-based fuzzy H_∞ controller design for T-S fuzzy systems via a new event-triggered communication scheme. *Neurocomputing*, **2018**, 273, 403-413	5.4	13
11	Secure State Estimation for Multiagent Systems With Faulty and Malicious Agents. *IEEE Transactions on Automatic Control*, **2020**, 65, 3471-3485	5.9	13
10	Stabilization of switched systems with all modes unstable via periodical switching laws. *Automatica*, **2020**, 122, 109150	5.7	11
9	Robust H_∞ control for switched singular linear systems with uncertainties in the derivative matrices: an improved average dwell time approach. *Optimal Control Applications and Methods*, **2016**, 37, 441-460	1.7	10
8	Asynchronous H_∞ filtering for 2D discrete Markovian jump systems with sensor failure. *Applied Mathematics and Computation*, **2016**, 289, 60-79	2.7	10
7	Resilient observer-based control for cyber-physical systems under denial-of-service attacks. *Information Sciences*, **2021**, 545, 102-117	7.7	10
6	H_∞ control for Markovian jump systems with partially unknown transition rates via an adaptive method. *Journal of Mathematical Analysis and Applications*, **2017**, 446, 886-907	1.1	9
5	Stability Analysis for Cyber-Physical Systems Under Denial-of-Service Attacks. *IEEE Transactions on Cybernetics*, **2021**, 51, 5304-5313	10.2	7
4	Distributed Secure State Estimation in the Presence of Malicious Agents. *IEEE Transactions on Automatic Control*, **2021**, 66, 2875-2882	5.9	4
3	H_∞ control for linear switched systems with time-varying delay and dead-zone inputs via an adaptive memory controller. *Optimal Control Applications and Methods*, **2017**, 38, 376-398	1.7	2
2	False data injection attacks against state estimation without knowledge of estimators. *IEEE Transactions on Automatic Control*, **2022**, 1-1	5.9	2
1	Malicious adversaries against secure state estimation: Sparse sensor attack design. *Automatica*, **2022**, 136, 110037	5.7	0