

Dongsheng Du

List of Publications by Citations

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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.

41
papers

728
citations

17
h-index

26
g-index

48
ext. papers

872
ext. citations

2.6
avg, IF

4.61
L-index

#	Paper	IF	Citations
41	H_∞ Filtering of Discrete-Time Switched Systems With State Delays via Switched Lyapunov Function Approach. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1520-1525	5.9	142
40	Sensor fault estimation and compensation for time-delay switched systems. <i>International Journal of Systems Science</i> , 2012 , 43, 629-640	2.3	48
39	Fault detection for discrete-time switched systems with intermittent measurements. <i>International Journal of Control</i> , 2012 , 85, 78-87	1.5	47
38	Fault Detection for Nonlinear Discrete-Time Switched Systems With Persistent Dwell Time. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2466-2474	8.3	41
37	Delay-dependent robust stabilisation of uncertain discrete-time switched systems with time-varying state delay. <i>International Journal of Systems Science</i> , 2008 , 39, 305-313	2.3	38
36	Fault detection for continuous-time switched systems under asynchronous switching. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 1694-1706	3.6	37
35	Sensor fault estimation and accommodation for discrete-time switched linear systems. <i>IET Control Theory and Applications</i> , 2014 , 8, 960-967	2.5	33
34	Active fault-tolerant control for switched systems with time delay. <i>International Journal of Adaptive Control and Signal Processing</i> , 2011 , 25, 466-480	2.8	30
33	Generalized H_2 output feedback controller design for uncertain discrete-time switched systems via switched Lyapunov functions. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2006 , 65, 2135-2146	1.3	27
32	Fault detection for discrete-time switched systems with interval time-varying delays. <i>International Journal of Control, Automation and Systems</i> , 2011 , 9, 396-401	2.9	24
31	Fault detection for discrete-time linear systems based on descriptor observer approach. <i>Applied Mathematics and Computation</i> , 2017 , 293, 575-585	2.7	22
30	Robust H_∞ Filtering of Delayed Singular Systems with Linear Fractional Parametric Uncertainties. <i>Circuits, Systems, and Signal Processing</i> , 2006 , 25, 627-647	2.2	20
29	Actuator fault estimation and accommodation for switched systems with time delay: Discrete-time case. <i>ISA Transactions</i> , 2016 , 62, 137-44	5.5	19
28	Observer-Based Finite-Time H_∞ Control for Interconnected Fuzzy Systems With Quantization and Random Network Attacks. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 674-685	8.3	19
27	Actuator fault estimation for discrete-time switched systems with finite-frequency. <i>Systems and Control Letters</i> , 2017 , 108, 64-70	2.4	18
26	Fault estimation and accommodation for switched systems with time-varying delay. <i>International Journal of Control, Automation and Systems</i> , 2011 , 9, 442-451	2.9	17
25	H_∞ Filter for discrete-time switched systems with time-varying delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2010 , 4, 782-790	4.5	17

24	Dynamic output feedback fault tolerant controller design for discrete-time switched systems with actuator fault. <i>Nonlinear Analysis: Hybrid Systems</i> , 2015 , 16, 93-103	4.5	16
23	Robust H_2 - H_∞ Control for Uncertain Discrete-Time Switched Systems with Delays. <i>Circuits, Systems, and Signal Processing</i> , 2006 , 25, 729-744	2.2	16
22	Fault diagnosis and fault tolerant control for discrete-time linear systems with sensor fault. <i>IFAC-PapersOnLine</i> , 2017 , 50, 15754-15759	0.7	14
21	Co-design of event generator and quantized fault detection for time-delayed networked systems with sensor saturations. <i>Journal of the Franklin Institute</i> , 2017 , 354, 6914-6937	4	13
20	Robust fault estimation observer design for switched systems with unknown input. <i>Applied Mathematics and Computation</i> , 2019 , 348, 70-83	2.7	13
19	State estimation for Markovian jump systems with an event-triggered communication scheme. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 2-24	2.2	12
18	UIO-based Fault Estimation and Accommodation for Nonlinear Switched Systems. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 435-444	2.9	8
17	Actuator fault detection for discrete-time switched linear systems with output disturbance. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 2590-2598	2.9	8
16	Robust Fault Diagnosis Observer Design for Uncertain Switched Systems. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 3159-3166	2.9	7
15	Reliable H_∞ control for Takagi-Sugeno fuzzy systems with intermittent measurements. <i>Nonlinear Analysis: Hybrid Systems</i> , 2012 , 6, 930-941	4.5	7
14	Robust H_2 Filter for Uncertain Discrete-Time Switched Time-Delay Systems. <i>Circuits, Systems, and Signal Processing</i> , 2010 , 29, 925-940	2.2	6
13	Observer-based Reliable Control for Discrete Time Systems: An Average Dwell Time Approach. <i>Asian Journal of Control</i> , 2012 , 14, 1625-1633	1.7	3
12	Non-fragile actuator fault estimation and accommodation for switched systems. <i>IFAC-PapersOnLine</i> , 2018 , 51, 110-116	0.7	3
11	Finite-Frequency Fault Detection Filter Design for Discrete-Time Switched Systems. <i>IEEE Access</i> , 2018 , 6, 70487-70496	3.5	2
10	Hybrid-triggered state feedback H_∞ control for networked control systems with stochastic nonlinearity and quantization. <i>Peer-to-Peer Networking and Applications</i> , 2019 , 12, 660-676	3.1	1
9	Actuator fault estimation for two-stage chemical reactor system based on delta operator approach. <i>Journal of Process Control</i> , 2021 , 107, 37-46	3.9	0
8	Consensus for a Class of Sampled-data Heterogeneous Multi-agent Systems. <i>International Journal of Control, Automation and Systems</i> , 2021 , 19, 1751-1759	2.9	0
7	A novel unknown input observer-based fault detection with application to a two-stage chemical reactor. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021 , 35, 1789-1804	2.8	0

- 6 FD Filter Design for Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 1-79 0.8
- 5 PIO-Based Non-fragile Fault Diagnosis for Continuous-Time Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 81-109 0.8
- 4 Reduced-Order Observer-Based FEA for Continuous-Time Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 111-130 0.8
- 3 Adaptive Observer-Based Fault Diagnosis for Continuous-Time Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 141-174 0.8
- 2 Adaptive Observer-Based FEA for Discrete-Time Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 175-196 0.8
- 1 UIO-Based Fault Diagnosis for Continuous-Time Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 197-247 0.8