Dongsheng Du

List of Publications by Year in Descending Order

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	FD Filter Design for Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 1-79	0.8	
40	PIO-Based Non-fragile Fault Diagnosis for Continuous-Time Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 81-109	0.8	
39	Reduced-Order Observer-Based FEA for Continuous-Time Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 111-130	0.8	
38	Adaptive Observer-Based Fault Diagnosis for Continuous-Time Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 141-174	0.8	
37	Adaptive Observer-Based FEA for Discrete-Time Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 175-196	0.8	
36	UIO-Based Fault Diagnosis for Continuous-Time Switched Systems. *Studies in Systems, Decision and Control*, **2021**, 197-247	0.8	
35	Actuator fault estimation for two-stage chemical reactor system based on delta operator approach. *Journal of Process Control*, **2021**, 107, 37-46	3.9	0
34	Consensus for a Class of Sampled-data Heterogeneous Multi-agent Systems. *International Journal of Control, Automation and Systems*, **2021**, 19, 1751-1759	2.9	0
33	A novel unknown input observer-based fault detection with application to a two-stage chemical reactor. *International Journal of Adaptive Control and Signal Processing*, **2021**, 35, 1789-1804	2.8	0
32	Observer-Based Finite-Time H_∞ Control for Interconnected Fuzzy Systems With Quantization and Random Network Attacks. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 674-685	8.3	19
31	Robust Fault Diagnosis Observer Design for Uncertain Switched Systems. *International Journal of Control, Automation and Systems*, **2020**, 18, 3159-3166	2.9	7
30	UIO-based Fault Estimation and Accommodation for Nonlinear Switched Systems. *International Journal of Control, Automation and Systems*, **2019**, 17, 435-444	2.9	8
29	Hybrid-triggered state feedback H∞control for networked control systems with stochastic nonlinearity and quantization. *Peer-to-Peer Networking and Applications*, **2019**, 12, 660-676	3.1	1
28	Robust fault estimation observer design for switched systems with unknown input. *Applied Mathematics and Computation*, **2019**, 348, 70-83	2.7	13
27	Fault Detection for Nonlinear Discrete-Time Switched Systems With Persistent Dwell Time. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 2466-2474	8.3	41
26	Non-fragile actuator fault estimation and accommodation for switched systems. *IFAC-PapersOnLine*, **2018**, 51, 110-116	0.7	3
25	Finite-Frequency Fault Detection Filter Design for Discrete-Time Switched Systems. *IEEE Access*, **2018**, 6, 70487-70496	3.5	2

24	State estimation for Markovian jump systems with an event-triggered communication scheme. *Circuits, Systems, and Signal Processing*, **2017**, 36, 2-24	2.2	12
23	Fault diagnosis and fault tolerant control for discrete-time linear systems with sensor fault. *IFAC-PapersOnLine*, **2017**, 50, 15754-15759	0.7	14
22	Actuator fault estimation for discrete-time switched systems with finite-frequency. *Systems and Control Letters*, **2017**, 108, 64-70	2.4	18
21	Co-design of event generator and quantized fault detection for time-delayed networked systems with sensor saturations. *Journal of the Franklin Institute*, **2017**, 354, 6914-6937	4	13
20	Fault detection for discrete-time linear systems based on descriptor observer approach. *Applied Mathematics and Computation*, **2017**, 293, 575-585	2.7	22
19	Actuator fault detection for discrete-time switched linear systems with output disturbance. *International Journal of Control, Automation and Systems*, **2017**, 15, 2590-2598	2.9	8
18	Actuator fault estimation and accommodation for switched systems with time delay: Discrete-time case. *ISA Transactions*, **2016**, 62, 137-44	5.5	19
17	Dynamic output feedback fault tolerant controller design for discrete-time switched systems with actuator fault. *Nonlinear Analysis: Hybrid Systems*, **2015**, 16, 93-103	4.5	16
16	Sensor fault estimation and accommodation for discrete-time switched linear systems. *IET Control Theory and Applications*, **2014**, 8, 960-967	2.5	33
15	Fault detection for continuous-time switched systems under asynchronous switching. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 1694-1706	3.6	37
14	Fault detection for discrete-time switched systems with intermittent measurements. *International Journal of Control*, **2012**, 85, 78-87	1.5	47
13	Reliable H_∞ control for Takagi–Sugeno fuzzy systems with intermittent measurements. *Nonlinear Analysis: Hybrid Systems*, **2012**, 6, 930-941	4.5	7
12	Sensor fault estimation and compensation for time-delay switched systems. *International Journal of Systems Science*, **2012**, 43, 629-640	2.3	48
11	Observer-based Reliable Control for Discrete Time Systems: An Average Dwell Time Approach. *Asian Journal of Control*, **2012**, 14, 1625-1633	1.7	3
10	Fault detection for discrete-time switched systems with interval time-varying delays. *International Journal of Control, Automation and Systems*, **2011**, 9, 396-401	2.9	24
9	Fault estimation and accommodation for switched systems with time-varying delay. *International Journal of Control, Automation and Systems*, **2011**, 9, 442-451	2.9	17
8	Active fault-tolerant control for switched systems with time delay. *International Journal of Adaptive Control and Signal Processing*, **2011**, 25, 466-480	2.8	30
7	Robust l_2–l_∞ Filter for Uncertain Discrete-Time Switched Time-Delay Systems. *Circuits, Systems, and Signal Processing*, **2010**, 29, 925-940	2.2	6

6	H Filter for discrete-time switched systems with time-varying delays. *Nonlinear Analysis: Hybrid Systems*, **2010**, 4, 782-790	4.5	17
5	Delay-dependent robust stabilisation of uncertain discrete-time switched systems with time-varying state delay. *International Journal of Systems Science*, **2008**, 39, 305-313	2.3	38
4	H_∞ Filtering of Discrete-Time Switched Systems With State Delays via Switched Lyapunov Function Approach. *IEEE Transactions on Automatic Control*, **2007**, 52, 1520-1525	5.9	142
3	Robust H Filtering of Delayed Singular Systems with Linear Fractional Parametric Uncertainties. *Circuits, Systems, and Signal Processing*, **2006**, 25, 627-647	2.2	20
2	Robust l2 - l Control for Uncertain Discrete-Time Switched Systems with Delays. *Circuits, Systems, and Signal Processing*, **2006**, 25, 729-744	2.2	16
1	Generalized H2 output feedback controller design for uncertain discrete-time switched systems via switched Lyapunov functions. *Nonlinear Analysis: Theory, Methods & Applications*, **2006**, 65, 2135-2146	1.3	27