

Shenghui Guo

List of Publications by Year in descending order

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807
citing authors

#	ARTICLE	IF	CITATIONS
1	A note on observers for Lipschitz nonlinear systems. IEEE Transactions on Automatic Control, 2002, 47, 1751-1754.	5.7	214
2	Robust Simultaneous Fault Estimation and Nonfragile Output Feedback Fault-Tolerant Control for Markovian Jump Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1769-1776.	9.3	145
3	State estimation and unknown input reconstruction via both reduced-order and high-order sliding mode observers. Journal of Process Control, 2012, 22, 296-302.	3.3	98
4	Reduced-Order Observer Design for Switched Descriptor Systems With Unknown Inputs. IEEE Transactions on Automatic Control, 2020, 65, 287-294.	5.7	85
5	Nonfragile Fault-Tolerant Fuzzy Observer-Based Controller Design for Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2016, 24, 1679-1689.	9.8	80
6	Observer Design and Unknown Input Reconstruction for a Class of Switched Descriptor Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1411-1419.	9.3	45
7	Fault-tolerant control for Markovian jump systems with general uncertain transition rates against simultaneous actuator and sensor faults. International Journal of Robust and Nonlinear Control, 2017, 27, 4245-4274.	3.7	40
8	Unknown input observer design for Takagi-Sugeno fuzzy stochastic system. International Journal of Control, Automation and Systems, 2015, 13, 1003-1009.	2.7	31
9	Actuator fault detection for uncertain systems based on the combination of the interval observer and asymptotical reduced-order observer. International Journal of Control, 2020, 93, 2653-2661.	1.9	31
10	Simultaneous actuator and sensor fault estimation for descriptor LPV system based on H_∞ reduced-order observer. Optimal Control Applications and Methods, 2016, 37, 1122-1138.	2.1	27
11	Interval-Observer-Based Fault Detection and Isolation Design for T-S Fuzzy System Based on Zonotope Analysis. IEEE Transactions on Fuzzy Systems, 2022, 30, 945-955.	9.8	26
12	Fault Detection and Reconstruction for Discrete Nonlinear Systems via Takagi-Sugeno Fuzzy Models. International Journal of Control, Automation and Systems, 2018, 16, 2676-2687.	2.7	25
13	Actuator and Sensor Fault Detection and Isolation for Uncertain Switched Nonlinear System Based on Sliding Mode Observers. International Journal of Control, Automation and Systems, 2021, 19, 3075-3086.	2.7	20
14	Simultaneous state and output disturbance estimations for a class of switched linear systems with unknown inputs. International Journal of Systems Science, 2017, 48, 22-33.	5.5	19
15	Extended State Observer Based on ADRC of Linear System with Incipient Fault. International Journal of Control, Automation and Systems, 2020, 18, 1425-1434.	2.7	19
16	Actuator and Sensor Fault Reconstructions for Uncertain Lipschitz Nonlinear Systems Based on H_∞ Observers. Asian Journal of Control, 2015, 17, 2206-2217.	3.0	17
17	A Novel Frequency-Domain Approach for the Exact Range of Imaginary Spectra and the Stability Analysis of LTI Systems With Two Delays. IEEE Access, 2020, 8, 36595-36601.	4.2	12
18	State and sensor fault interval estimations for discrete-time systems. , 2017, , .		10

#	ARTICLE	IF	CITATIONS
19	State and unknown input estimations for discrete-time switched linear systems with average dwell time. <i>Journal of the Franklin Institute</i> , 2019, 356, 11741-11759.	3.4	10
20	Observer-based controller design for nonlinear semi-Markov switched system with external disturbance. <i>Journal of the Franklin Institute</i> , 2020, 357, 8435-8453.	3.4	10
21	Reachability Analysis-Based Interval Estimation for Discrete-Time Takagi-Sugeno Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 1981-1992.	9.8	10
22	Interval estimation of actuator fault by interval analysis. <i>IET Control Theory and Applications</i> , 2019, 13, 2717-2724.	2.1	8
23	Interval estimation of sensor fault based on zonotopic Kalman filter. <i>International Journal of Control</i> , 2021, 94, 1641-1650.	1.9	8
24	An Improved Fault Diagnosis Approach Using LSSVM for Complex Industrial Systems. <i>Machines</i> , 2022, 10, 443.	2.2	8
25	Reduced-Order and Full-Order Interval Observers Design for Discrete-Time System. <i>IEEE Access</i> , 2020, 8, 103309-103316.	4.2	7
26	Proportional Integral Observer-based Consensus Control of Discrete-time Multi-agent Systems. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 1461-1472.	2.7	7
27	Unknown Input Reconstruction via Interval Observer and State and Unknown Input Compensation Feedback Controller Designs. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 145-157.	2.7	5
28	Robust free-time stable fault tolerant control for rigid satellite attitude system with output constraint. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 7587.	3.7	2
29	Interval observer-based consensus control of discrete-time multi-agent systems under stealthy attacks. <i>Asian Journal of Control</i> , 2023, 25, 2264-2275.	3.0	1
30	Sliding mode control of linear multiple-input multiple-output systems with mismatched uncertainties. , 2018, , .		0
31	Unknown Input and Measurement Noise Estimations for Switched Nonlinear Systems. , 2018, , .		0
32	Observer Design for Switched Nonlinear System with Both Unknown Inputs and Measurement Noise. <i>Journal of Physics: Conference Series</i> , 2018, 1061, 012013.	0.4	0
33	Actuator Fault Diagnosis for Discrete-Time Systems via Augmenting State Approach. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-12.	1.1	0
34	Precise Clock Management Technology of Electric Power Meter. <i>IETE Journal of Research</i> , 0, , 1-9.	2.6	0