

Ke Zhang

List of Publications by Year in descending order

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68
papers

2,027
citations

304602

22
h-index

243529

44
g-index

68
all docs

68
docs citations

68
times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Output Feedback-Fault Tolerant Controller Design for Takagi-Sugeno Fuzzy Systems With Actuator Faults. IEEE Transactions on Fuzzy Systems, 2010, 18, 194-201.	6.5	231
2	Fault Estimation Observer Design for Discrete-Time Takagi-Sugeno Fuzzy Systems Based on Piecewise Lyapunov Functions. IEEE Transactions on Fuzzy Systems, 2012, 20, 192-200.	6.5	182
3	Integrated Fault Estimation and Accommodation Design for Discrete-Time Takagi-Sugeno Fuzzy Systems With Actuator Faults. IEEE Transactions on Fuzzy Systems, 2011, 19, 291-304.	6.5	180
4	A New Approach to Observer-Based Fault-Tolerant Controller Design for Takagi-Sugeno Fuzzy Systems with State Delay. Circuits, Systems, and Signal Processing, 2009, 28, 679-697.	1.2	108
5	Adjustable Parameter-Based Distributed Fault Estimation Observer Design for Multiagent Systems With Directed Graphs. IEEE Transactions on Cybernetics, 2016, 47, 1-9.	6.2	103
6	Observer-Based Fault Estimation and Accommodation for Dynamic Systems. Lecture Notes in Control and Information Sciences, 2013, , .	0.6	88
7	Observer-based integrated robust fault estimation and accommodation design for discrete-time systems. International Journal of Control, 2010, 83, 1167-1181.	1.2	87
8	Fixed-Time Fault-Tolerant Formation Control for Heterogeneous Multi-Agent Systems With Parameter Uncertainties and Disturbances. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 2121-2133.	3.5	80
9	Fast adaptive fault estimation and accommodation for nonlinear time-varying delay systems. Asian Journal of Control, 2009, 11, 643-652.	1.9	74
10	Adaptive technique-based distributed fault estimation observer design for multi-agent systems with directed graphs. IET Control Theory and Applications, 2015, 9, 2619-2625.	1.2	61
11	Hierarchical-Structure-Based Fault Estimation and Fault-Tolerant Control for Multiagent Systems. IEEE Transactions on Control of Network Systems, 2019, 6, 586-597.	2.4	59
12	Distributed Fault Estimation Observer Design With Adjustable Parameters for a Class of Nonlinear Interconnected Systems. IEEE Transactions on Cybernetics, 2019, 49, 4219-4228.	6.2	50
13	Distributed Fault-Tolerant Consensus Tracking Control of Multi-Agent Systems Under Fixed and Switching Topologies. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1646-1658.	3.5	50
14	Distributed Fault Estimation and Fault-Tolerant Control of Interconnected Systems. IEEE Transactions on Cybernetics, 2021, 51, 1230-1240.	6.2	47
15	Less conservative criteria for fault accommodation of time-varying delay systems using adaptive fault diagnosis observer. International Journal of Adaptive Control and Signal Processing, 2010, 24, 322-334.	2.3	43
16	Robust Unknown Input Observer-Based Fault Estimation of Leader-Follower Linear Multi-agent Systems. Circuits, Systems, and Signal Processing, 2017, 36, 525-542.	1.2	39
17	A framework of robust fault estimation observer design for continuous-time/discrete-time systems. Optimal Control Applications and Methods, 2013, 34, 442-457.	1.3	38
18	Decentralized Output Sliding-Mode Fault-Tolerant Control for Heterogeneous Multiagent Systems. IEEE Transactions on Cybernetics, 2020, 50, 4934-4945.	6.2	38

#	ARTICLE	IF	CITATIONS
19	Fault estimation observer design for discrete-time systems in finite-frequency domain. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 1379-1398.	2.1	36
20	Observer-Based Fault Estimation Techniques. <i>Studies in Systems, Decision and Control</i> , 2018, , .	0.8	35
21	Multi-constrained fault estimation observer design with finite frequency specifications for continuous-time systems. <i>International Journal of Control</i> , 2014, 87, 1635-1645.	1.2	27
22	Interval observer and unknown input observer-based sensor fault estimation for high-speed railway traction motor. <i>Journal of the Franklin Institute</i> , 2020, 357, 1137-1154.	1.9	25
23	Distributed fault estimation observer design for multi-agent systems with switching topologies. <i>IET Control Theory and Applications</i> , 2017, 11, 2801-2807.	1.2	23
24	Robust Asymptotic Fault Estimation of Discrete-Time Interconnected Systems With Sensor Faults. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 1691-1700.	6.2	22
25	Adaptive Fault-Tolerant H-Infinity Output Feedback Control for Lead-Wing Close Formation Flight. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, , 1-11.	5.9	21
26	Static output feedback based fault accommodation design for continuous-time dynamic systems. <i>International Journal of Control</i> , 2011, 84, 412-423.	1.2	20
27	Adaptive Observer-Based Fault Diagnosis with Application to Satellite Attitude Control Systems. , 2007, , .		19
28	Fault diagnosis and accommodation with flight control applications. <i>Journal of Control and Decision</i> , 2020, 7, 24-43.	0.7	19
29	Adaptive fault-tolerant formation control for quadrotors with actuator faults. <i>Asian Journal of Control</i> , 2020, 22, 1317-1326.	1.9	17
30	Integrated Fault-Tolerant Control for Close Formation Flight. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 839-852.	2.6	15
31	Distributed fault-tolerant time-varying formation control of heterogeneous multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 2864-2882.	2.1	15
32	Distributed fault estimation design of interconnected systems with external disturbances. <i>IET Control Theory and Applications</i> , 2019, 13, 377-386.	1.2	14
33	Incipient Fault Detection Using an Associated Adaptive and Sliding-Mode Observer for Quadrotor Helicopter Attitude Control Systems. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 3555-3574.	1.2	13
34	Robust fault estimation observer design with finite-time convergence specification. <i>IET Control Theory and Applications</i> , 2017, 11, 1-9.	1.2	13
35	Dissipativity-based robust reduced-order fault estimation observer design of multi-agent systems. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 2619-2627.	1.6	12
36	Fixed-Time Fault-Tolerant Formation Control for a Cooperative Heterogeneous Multiagent System With Prescribed Performance. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 462-474.	5.9	11

#	ARTICLE	IF	CITATIONS
37	Finite-Time Unknown Input Observer-Based Distributed Fault Diagnosis for Multi-agent Systems with Disturbances. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 4215-4233.	1.2	10
38	Resilient observer design of sensor fault estimation for discrete-time multi-agent systems: A distributed approach. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 9604-9618.	2.1	10
39	Direct self-repairing control of the quadrotor helicopter based on adaptive sliding mode control technique. , 2014, , .		8
40	Cooperative Control Reconfiguration in Multiple Quadrotor Systems with Actuator Faults. <i>IFAC-PapersOnLine</i> , 2015, 48, 386-391.	0.5	8
41	Adjustable parameter-based multi-objective fault estimation observer design for continuous-time/discrete-time dynamic systems. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 1077-1088.	1.6	8
42	Hierarchical Structure-Based Fault-Tolerant Tracking Control of Multiple 3-DOF Laboratory Helicopters. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 4247-4258.	5.9	8
43	Integrated multiple-model adaptive fault identification and reconfigurable fault-tolerant control for Lead-Wing close formation systems. <i>International Journal of Systems Science</i> , 2018, 49, 701-717.	3.7	7
44	Reduced-order fault estimation observer design for discrete-time systems. , 2012, , .		5
45	Direct Self-Repairing Control for Quadrotor Helicopter Attitude Systems. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-11.	0.6	5
46	Sliding Mode Integral Observers for Sensor Faults Detection and Isolation in Nonlinear Systems. , 2007, , .		4
47	Fault Diagnosis for Linear Discrete Systems Based on an Adaptive Observer. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-5.	0.6	4
48	Distributed adaptive observers-based fault estimation for leader-following multi-agent linear uncertain systems with actuator faults. , 2016, , .		4
49	Hierarchical structure-based adaptive fault-tolerant consensus control for multiple 3-DOF laboratory helicopters. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 992-1012.	2.3	4
50	Fixed-Time Fault Estimation and Prescribed Performance Fault-Tolerant Control for Interconnected Systems. <i>IEEE Transactions on Cybernetics</i> , 2024, 54, 1084-1095.	6.2	4
51	Adaptive finite-time fault-tolerant formation control for quadrotors with actuator faults. , 2018, , .		3
52	Robust Asymptotic Estimation of Sensor Faults for Continuous-time Interconnected Systems. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 3170-3178.	1.6	3
53	The integrated application on adaptive control of unmanned combat aerial vehicles. , 2008, , .		2
54	Analysis and design of robust estimation filter for a class of continuous-time nonlinear systems. <i>International Journal of Systems Science</i> , 2012, 43, 1958-1968.	3.7	2

#	ARTICLE	IF	CITATIONS
55	Robust Fault Diagnosis Design for Linear Multiagent Systems with Incipient Faults. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-7.	0.6	2
56	UIO-Based Fault Diagnosis Design in Finite-Frequency Domain for Discrete-Time T-S Fuzzy Systems**This work is partially supported by the National Natural Science Foundation of China (61304112, 61428303), Tj ETQq0 0,0 rgBT /Qverlock 1 49, 301-306.	0.5	2
57	Decentralized Observer Design for Heterogeneous Multi-agent Systems with Fault Bound Estimation. , 2019, , .		2
58	Unknown Input Observer-based Distributed Fault Estimation of Discrete-time Nonlinear Interconnected Systems. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 803-812.	1.6	2
59	Dissipativity-based fault estimation observer design for linear multi-agent systems with disturbances. , 2016, , .		1
60	Observer-based fault-detection of broken rotor bars in traction motors. , 2017, , .		1
61	Robust finite-time fault diagnosis for leader-follower multi-agent systems. , 2017, , .		1
62	Fault-Tolerant Tracking Control of Quadrotor Aircrafts with Actuator Faults and External Disturbances. , 2020, , .		1
63	Fixed-time Fault Estimation Observer Design for Interconnected Systems. , 2022, , .		1
64	Fault Detection, Isolation, Estimation, and Accommodation of Dynamic Systems. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-2.	0.6	0
65	Distributed fault estimation basing on a united adaptive and sliding-mode observer for multi-agent systems. , 2016, , .		0
66	Active Fault-Tolerant Control of A Class of Multi-Agent Systems Based on Sliding Mode Technology. , 2019, , .		0
67	Fixed-Time Convergence-Based Fault-Tolerant Cooperative Control of Fixed-Wing UAVs. , 2021, , .		0
68	Adaptive Fault-Tolerant Control of Heterogeneous Multi-Agent Systems with Actuator Faults. , 2022, , .		0