Xiang-Gui Guo

List of Publications by Year
in descending order

68 papers	1,251 citations	331538 21 h-index	360920 35 g-index
69 all docs	69 docs citations	69 times ranked	783 citing authors

#	Article	IF	Citations
1	Observer-Based Event-Triggered Composite Anti-Disturbance Control for Multi-Agent Systems Under Multiple Disturbances and Stochastic FDIAs. IEEE Transactions on Automation Science and Engineering, 2023, 20, 528-540.	3.4	12
2	Fully Distributed Adaptive Fault-Tolerant Sliding-Mode Control for Nonlinear Leader-Following Multiagent Systems With ANASs and IQCs. IEEE Transactions on Cybernetics, 2022, 52, 2763-2774.	6.2	25
3	BLF-Based Neuroadaptive Fault-Tolerant Control for Nonlinear Vehicular Platoon With Time-Varying Fault Directions and Distance Restrictions. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12388-12398.	4.7	20
4	Event-Triggered Observer-Based $\mathcal{H}_\infty$ Consensus Control and Fault Detection of Multiagent Systems Under Stochastic False Data Injection Attacks. IEEE Transactions on Network Science and Engineering, 2022, 9, 481-494.	4.1	26
5	Event-Triggered Switching-Type Fault Detection and Isolation for Fuzzy Control Systems Under DoS Attacks. IEEE Transactions on Fuzzy Systems, 2021, 29, 3401-3414.	6.5	35
6	Adaptive Fault-Tolerant Pseudo-PID Sliding-Mode Control for High-Speed Train With Integral Quadratic Constraints and Actuator Saturation. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7421-7431.	4.7	29
7	Adaptive Event-Triggered Fault Detection for Interval Type-2 T–S Fuzzy Systems With Sensor Saturation. IEEE Transactions on Fuzzy Systems, 2021, 29, 2310-2321.	6.5	66
8	Event-Triggered Adaptive Fault-Tolerant Pinning Control for Cluster Consensus of Heterogeneous Nonlinear Multi-Agent Systems Under Aperiodic DoS Attacks. IEEE Transactions on Network Science and Engineering, 2021, 8, 1941-1956.	4.1	81
9	Distributed neuroadaptive fault-tolerant sliding-mode control for 2-D plane vehicular platoon systems with spacing constraints and unknown direction faults. Automatica, 2021, 129, 109675.	3.0	51
10	Cluster synchronization of heterogeneous nonlinear multi-agent systems with actuator faults and IQCs through adaptive fault-tolerant pinning control. Information Sciences, 2021, 575, 289-305.	4.0	9
11	Novel auxiliary saturation compensation design for neuroadaptive NTSM tracking control of high speed trains with actuator saturation. Journal of the Franklin Institute, 2020, 357, 1582-1602.	1.9	12
12	Multiple-fault diagnosis for spacecraft attitude control systems using RBFNN-based observers. Aerospace Science and Technology, 2020, 106, 106195.	2.5	29
13	Event-triggered Switching Filter Design for Uncertain Nonlinear Networked Systems with Time-varying Delay. , 2020, , .		0
14	Static group synchronization of second-order multi-agent systems via pinning control. Journal of the Franklin Institute, 2019, 356, 4842-4858.	1.9	7
15	Neuroadaptive quantized PID sliding–mode control for heterogeneous vehicular platoon with unknown actuator deadzone. International Journal of Robust and Nonlinear Control, 2019, 29, 188-208.	2.1	41
16	Non-Fragile Quantized Consensus for Multi-Agent Systems Based on Incidence Matrix. , 2019, , 149-170.		0
17	String Stability of Vehicle Platoons with Nonlinear Acceleration Uncertainties. , 2019, , 37-56.		0
18	Neuro-Adaptive Quantized PID-Based SMC of Vehicular Platoon with Deadzone. , 2019, , 113-133.		0

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19	Collision Avoidance for Vehicle Platoon with Input Deadzone. , 2019, , 99-111.		0
20	CNN-Based Adaptive Control for Vehicle Platoon with Input Saturation. , 2019, , 57-78.		0
21	Quantized H $\hat{a}\check{z}$ Consensus for Multi-Agent Systems with Quantization Mismatch. , 2019, , 183-202.		0
22	Adaptive Fuzzy Fault-Tolerant Control for Multiple High Speed Trains. , 2019, , 79-97.		0
23	Low-Complexity Control of Vehicular Platoon with Asymmetric Saturation. , 2019, , 135-147.		0
24	String Stability of Vehicle Platoons with External Disturbances. , 2019, , 17-36.		0
25	CNN-Based Distributed Adaptive Control for Vehicle-Following Platoon With Input Saturation. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3121-3132.	4.7	91
26	Quantized H_{infty} Consensus of Multiagent Systems With Quantization Mismatch Under Switching Weighted Topologies. IEEE Transactions on Control of Network Systems, 2017, 4, 202-212.	2.4	47
27	Distributed Adaptive Sliding Mode Control Strategy for Vehicle-Following Systems With Nonlinear Acceleration Uncertainties. IEEE Transactions on Vehicular Technology, 2017, 66, 981-991.	3.9	103
28	Distributed adaptive control for vehicular platoon with unknown dead€zone inputs and velocity/acceleration disturbances. International Journal of Robust and Nonlinear Control, 2017, 27, 2961-2981.	2.1	17
29	Adaptive fuzzy fault€tolerant control for multiple high€speed trains with proportional and integral€based sliding mode. IET Control Theory and Applications, 2017, 11, 1234-1244.	1.2	55
30	Adaptive quantised observer€based output feedback control for non€linear systems with input and output quantisation. IET Control Theory and Applications, 2017, 11, 263-272.	1.2	15
31	Non-fragile quantized H$\hat{a}\check{z}$ output feedback control for nonlinear systems with quantized inputs and outputs. Journal of the Franklin Institute, 2017, 354, 415-438.	1.9	12
32	Adaptive platoon control for nonlinear vehicular systems with asymmetric input deadzone and inter-vehicular spacing constraints. , 2017, , .		7
33	Asymptotic tracking control for an underactuated quadrotor via immersion and invariance technology. , 2017, , .		0
34	Non-Fragile Dynamic Output Feedback Control with Norm-Bounded Gain Uncertainty. , 2017, , 37-60.		0
35	Non-Fragile H$\hat{a}\check{z}$ Filtering wit Interval-Bounded Coefficient Variations. , 2017, , 131-166.		0
36	Robust Non-Fragile Kalman Filtering with Norm-Bounded Gain Uncertainty. , 2017, , 61-83.		0

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37	Non-Fragile Dynamic Output Feedback Control with Interval-Bounded Coefficient Variations. , 2017, , 85-129.		0
38	Distributed Adaptive Integrated-Sliding-Mode Controller Synthesis for String Stability of Vehicle Platoons. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2419-2429.	4.7	164
39	String stability of heterogeneous leader-following vehicle platoons based on constant spacing policy. , 2016, , .		10
40	Quantized H[infinity] Static Output Control for Linear Systems with Interval-Bounded Additive Controller Coefficient Variations. , 2015, , .		0
41	Non-fragile H<inf>&#x221E;</inf> consensus of linear multi-agent systems with interval-bounded variations. , 2015, , .		3
42	Robust adaptive fault tolerant control for a steering subsystem of unmanned underwater vehicles. , 2015, , .		0
43	Robust fault tolerant controller design using indirect adaptive sliding mode control strategy. , 2015, , .		1
44	Synthesis of lowâ€coefficient sensitivity controllers with respect to multiplicative controller coefficient variations. IET Control Theory and Applications, 2015, 9, 120-128.	1.2	7
45	Adaptive fault-torrent attitude tracking control for hypersonic Unmanned aerial vehicle subject to input constraints. , 2015, , .		0
46	Quantized insensitive consensus of Lipschitz nonlinear multi-agent systems using the incidence matrix. Journal of the Franklin Institute, 2015, 352, 4845-4863.	1.9	35
47	Integral sliding mode output control of delta operator systems with insensitivity to sampling time jitter. , 2014, , .		1
48	Integral sliding mode fault-tolerant control against actuator nonsymmetric deadzone and unmatched disturbances. , 2014, , .		0
49	Low sensitivity memory control for linear time-delay systems with mixed-H<inf>&#x221E;</inf> norm sensitivity minimization. , 2014, , .		0
50	Insensitive output feedback H_{∞} control of delta operator systems with insensitivity to sampling time jitter. International Journal of Robust and Nonlinear Control, 2014, 24, 725-743.	2.1	6
51	A Sequential Linear Programming Matrix Method to Insensitive H_{∞} Output Feedback for Linear Discrete-Time Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	1
52	Insensitive dynamic output feedback control with mixed-H_{∞} norm sensitivity minimization. Journal of the Franklin Institute, 2013, 350, 72-91.	1.9	11
53	H_{∞} output tracking control for delta operator systems with insensitivity to controller coefficient variations. International Journal of Systems Science, 2013, 44, 652-662.	3.7	4
54	Delay-dependent reliable H_{∞} filtering for sector-bounded nonlinear continuous-time systems with time-varying state delays and sensor failures. International Journal of Systems Science, 2012, 43, 117-131.	3.7	23

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55	Low-sensitivity *H*$_\infty$ filter design for linear delta operator systems with sampling time jitter. International Journal of Control, 2012, 85, 397-408.	1.2	11
56	Insensitive H$_\infty$ filtering for fast-sampled linear systems with respect to sampling time jitter. , 2012, , .		1
57	H$_\infty$ filter design for delta operator formulated systems with low sensitivity to filter coefficient variations. IET Control Theory and Applications, 2011, 5, 1677-1688.	1.2	23
58	Reliable *H*$_\infty$ filter design for a class of discrete‐time nonlinear systems with time‐varying delay. Optimal Control Applications and Methods, 2010, 31, 303-322.	1.3	31
59	Insensitive H_∞ filter design for continuous-time systems with respect to filter coefficient variations. Automatica, 2010, 46, 1860-1869.	3.0	37
60	Reliable nonlinear H$_\infty$ filter design for continuous-time nonlinear systems with sector-bounded nonlinearities. , 2009, , .		0
61	Reliable H$_\infty$ filter design for a class of continuous-time nonlinear systems with time-varying delay. , 2009, , .		2
62	Non-fragile H$_\infty$ filter design with pole placement constraints for delta operator formulated systems via LMI optimization. , 2009, , .		2
63	Insensitive H$_\infty$ filter design for discrete-time systems: an LMI optimization approach. , 2009, , .		3
64	Non-fragile H$_\infty$ Filter Design for Delta Operator Formulated Systems with Circular Region Pole Constraints: an LMI Optimization Approach. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 1209-1215.	1.5	27
65	Reliable H$_\infty$ Filter Design for Discrete-time Systems with Sector-bounded Nonlinearities: an LMI Optimization Approach. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 1347-1351.	1.5	16
66	Non-fragile H$_\infty$ Filter Design for Delta Operator Formulated Systems with Circular Region Pole Constraints: an LMI Optimization Approach. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 1209-1215.	0.3	23
67	Reliable H$_\infty$ Filter Design for Discrete-time Systems with Sector-bounded Nonlinearities: an LMI Optimization Approach. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 1347-1351.	0.3	17
68	H2 Control for Discrete-time System with Multiplicative Controller Gain Variations. , 2007, , .		0