Hongjian Liu

List of Publications by Year
in descending order

68 papers	2,408 citations	218592 26 h-index	214721 47 g-index
68 all docs	68 docs citations	68 times ranked	900 citing authors

#	Article	IF	Citations
1	A survey on sliding mode control for networked control systems. International Journal of Systems Science, 2021, 52, 1129-1147.	3.7	211
2	Recursive filtering of networked nonlinear systems: a survey. International Journal of Systems Science, 2021, 52, 1110-1128.	3.7	181
3	Fault detection of networked dynamical systems: a survey of trends and techniques. International Journal of Systems Science, 2021, 52, 3390-3409.	3.7	138
4	Multi-sensor filtering fusion meets censored measurements under a constrained network environment: advances, challenges and prospects. International Journal of Systems Science, 2021, 52, 3410-3436.	3.7	115
5	A survey on state estimation of complex dynamical networks. International Journal of Systems Science, 2021, 52, 3351-3367.	3.7	114
6	Distributed State-Saturated Recursive Filtering Over Sensor Networks Under Round-Robin Protocol. IEEE Transactions on Cybernetics, 2020, 50, 3605-3615.	6.2	113
7	Design of Sliding-Mode-Based Control for Nonlinear Systems With Mixed-Delays and Packet Losses Under Uncertain Missing Probability. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3217-3228.	5.9	101
8	Delay-Distribution-Dependent H_∞ State Estimation for Discrete-Time Memristive Neural Networks With Mixed Time-Delays and Fading Measurements. IEEE Transactions on Cybernetics, 2020, 50, 440-451.	6.2	87
9	Robust recursive filtering for uncertain stochastic systems with amplify-and-forward relays. International Journal of Systems Science, 2020, 51, 1188-1199.	3.7	82
10	Set-membership filtering for piecewise linear systems with censored measurements under Round-Robin protocol. International Journal of Systems Science, 2020, 51, 1578-1588.	3.7	79
11	Stability analysis for discrete-time stochastic memristive neural networks with both leakage and probabilistic delays. Neural Networks, 2018, 102, 1-9.	3.3	70
12	Almost sure stability for uncertain differential equation. Fuzzy Optimization and Decision Making, 2014, 13, 463-473.	3.4	62
13	Sliding mode control for Markovian jump repeated scalar nonlinear systems with packet dropouts: The uncertain occurrence probabilities case. Applied Mathematics and Computation, 2019, 362, 124574.	1.4	61
14	Periodic Event-Triggered Terminal Sliding Mode Speed Control for Networked PMSM System: A GA-Optimized Extended State Observer Approach. IEEE/ASME Transactions on Mechatronics, 2022, 27, 4153-4164.	3.7	55
15	A survey on fault-tolerant consensus control of multi-agent systems: trends, methodologies and prospects. International Journal of Systems Science, 2022, 53, 2800-2813.	3.7	52
16	Dynamic Event-triggered State Estimation for Nonlinear Coupled Output Complex Networks Subject to Innovation Constraints. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 941-944.	8.5	51
17	state estimation for discrete-time memristive recurrent neural networks with stochastic time-delays. International Journal of General Systems, 2016, 45, 633-647.	1.2	50
18	H_∞ state estimation for memristive neural networks with randomly occurring DoS attacks. Systems Science and Control Engineering, 2022, 10, 154-165.	1.8	50

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19	On state estimation for nonlinear dynamical networks with random sensor delays and coupling strength under event-based communication mechanism. Information Sciences, 2020, 511, 265-283.	4.0	46
20	Non-fragile distributed state estimation over sensor networks subject to DoS attacks: the almost sure stability. International Journal of Systems Science, 2020, 51, 1119-1132.	3.7	46
21	An overview of stability analysis and state estimation for memristive neural networks. Neurocomputing, 2020, 391, 1-12.	3.5	44
22	Networked recursive filtering for time-delayed nonlinear stochastic systems with uniform quantisation under Round-Robin protocol. International Journal of Systems Science, 2019, 50, 871-884.	3.7	40
23	Finite‐horizon fault estimation under imperfect measurements and stochastic communication protocol: Dealing with finite‐time boundedness. International Journal of Robust and Nonlinear Control, 2019, 29, 117-134.	2.1	36
24	Input-to-State Stabilization in Probability for Nonlinear Stochastic Systems Under Quantization Effects and Communication Protocols. IEEE Transactions on Cybernetics, 2019, 49, 3242-3254.	6.2	32
25	Unbiasedness-constrained least squares state estimation for time-varying systems with missing measurements under round-robin protocol. International Journal of Systems Science, 2022, 53, 1925-1941.	3.7	31
26	Non-Fragile Distributed Fault Estimation for a Class of Nonlinear Time-Varying Systems Over Sensor Networks: The Finite-Horizon Case. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 61-69.	1.6	28
27	Distributed multi-step subgradient projection algorithm with adaptive event-triggering protocols: a framework of multiagent systems. International Journal of Systems Science, 2022, 53, 2758-2772.	3.7	28
28	Variance-constrained filtering for discrete-time genetic regulatory networks with state delay and random measurement delay. International Journal of Systems Science, 2019, 50, 231-243.	3.7	27
29	Protocol-based variance-constrained distributed secure filtering with measurement censoring. International Journal of Systems Science, 2022, 53, 3322-3338.	3.7	24
30	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e646" altimg="si7.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>∞</mml:mi></mml:mrow></mml... and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e656" altimg="si8.svg"><mml:msub><mml:mrow><mml:mi>l</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mm... xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1. Neural Networks, 2020, 132, 121-130.	3.3	23
31	Distributed Quasiconsensus Control for Stochastic Multiagent Systems Under Round-Robin Protocol and Uniform Quantization. IEEE Transactions on Cybernetics, 2022, 52, 6721-6732.	6.2	23
32	Event-based resilient filtering for stochastic nonlinear systems via innovation constraints. Information Sciences, 2021, 546, 512-525.	4.0	23
33	Input-to-State Stabilization of Stochastic Markovian Jump Systems Under Communication Constraints: Genetic Algorithm-Based Performance Optimization. IEEE Transactions on Cybernetics, 2022, 52, 10379-10392.	6.2	23
34	Resilient *H*∞ State Estimation for Discrete-Time Stochastic Delayed Memristive Neural Networks: A Dynamic Event-Triggered Mechanism. IEEE Transactions on Cybernetics, 2022, 52, 3333-3341.	6.2	20
35	A Partial-Node-Based Approach to State Estimation for Complex Networks With Sensor Saturations Under Random Access Protocol. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5167-5178.	7.2	20
36	Resilient energy-to-peak filtering for linear parameter-varying systems under random access protocol. International Journal of Systems Science, 2022, 53, 2421-2436.	3.7	19

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37	Partial-Nodes-Based Scalable H_∞-Consensus Filtering With Censored Measurements Over Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, , 1-12.	5.9	18
38	Electric vehicle charging station planning with dynamic prediction of elastic charging demand: a hybrid particle swarm optimization algorithm. Complex & Intelligent Systems, 2022, 8, 1035-1046.	4.0	16
39	Non‐fragile set‐membership estimation for sensor‐saturated memristive neural networks via weighted try‐once‐discard protocol. IET Control Theory and Applications, 2020, 14, 1671-1680.	1.2	15
40	Distributed recursive filtering for discrete time-delayed stochastic nonlinear systems based on fuzzy rules. Neurocomputing, 2020, 400, 412-419.	3.5	14
41	On State Estimation for Discrete Time-Delayed Memristive Neural Networks Under the WTOD Protocol: A Resilient Set-Membership Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2145-2155.	5.9	14
42	A Resilient Approach to Recursive Distributed Filtering for Multirate Systems Over Sensor Networks With Time-Correlated Fading Channels. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 636-647.	1.6	11
43	Visual object tracking: in the simultaneous presence of scale variation and occlusion. Systems Science and Control Engineering, 2018, 6, 456-466.	1.8	10
44	Dynamical performance analysis of communication-embedded neural networks: A survey. Neurocomputing, 2019, 346, 3-11.	3.5	10
45	Multi-sensor multi-rate fusion estimation for networked systems: Advances and perspectives. Information Fusion, 2022, 82, 19-27.	11.7	10
46	Neural-Network-Based Filtering for A General Class of Nonlinear Systems under Dynamically Bounded Innovations Over Sensor Networks. IEEE Transactions on Network Science and Engineering, 2022, 9, 1395-1408.	4.1	10
47	Anti-disturbance filter design for a class of stochastic systems with fading channels. Science China Information Sciences, 2020, 63, 1.	2.7	9
48	Resilient Filtering of Nonlinear Complex Dynamical Networks Under Randomly Occurring Faults and Hybrid Cyber-Attacks. IEEE Transactions on Network Science and Engineering, 2022, 9, 2341-2352.	4.1	9
49	An improved GMS-PROSAC algorithm for image mismatch elimination. Systems Science and Control Engineering, 2018, 6, 220-229.	1.8	7
50	Outlier-resistant l_2-l_∞ state estimation for discrete-time memristive neural networks with time-delays. Systems Science and Control Engineering, 2021, 9, 88-97.	1.8	7
51	Dynamic event‐based recursive filtering for multirate systems with integral measurements over sensor networks. International Journal of Robust and Nonlinear Control, 2022, 32, 1374-1392.	2.1	7
52	Dynamic output‐feedback control for discrete time‐delayed systems with actuator saturations under round‐robin communication protocol. International Journal of Robust and Nonlinear Control, 2022, 32, 1703-1720.	2.1	6
53	Finite-horizon resilient state estimation for complex networks with integral measurements from partial nodes. Science China Information Sciences, 2022, 65, 1.	2.7	6
54	Joint state and actuator fault estimation for networked systems under improved accumulation-based event-triggered mechanism. ISA Transactions, 2022, 127, 60-67.	3.1	5

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55	A novel PID-like particle swarm optimizer: on terminal convergence analysis. Complex & Intelligent Systems, 2022, 8, 1217-1228.	4.0	3
56	Recursive state estimation for a class of nonlinear uncertain coupled complex networks subject to random link failures and packet disorders. ISA Transactions, 2022, 127, 88-98.	3.1	3
57	Communication-protocol-based distributed filtering for general systems over sensor networks: developments and challenges. International Journal of General Systems, 0, , 1-23.	1.2	3
58	Recursive state estimation for multi‐rate time‐varying systems with multiplicative noises: Dealing with sensor resolutions. International Journal of Robust and Nonlinear Control, 2022, 32, 6110-6126.	2.1	3
59	New Results on Synchronization of Fractional-Order Memristor‐Based Neural Networks via State Feedback Control. Complexity, 2020, 2020, 1-11.	0.9	2
60	On LaSalle-type theorems for fuzzy differential delay equations. , 2010, , .		1
61	Non-fragile â€" control for discrete-time stochastic nonlinear systems under event-triggered protocols. International Journal of General Systems, 2018, 47, 446-459.	1.2	1
62	H∞ Fuzzy PID Control under Try-Once-Discard Protocol. , 2019, , .		1
63	Centralized moving‐horizon estimation for a class of nonlinear dynamical complex networks under event‐triggered transmission scheme. International Journal of Robust and Nonlinear Control, 2022, 32, 3872-3889.	2.1	1
64	A zonotope-based fault detection for multirate systems with improved dynamical scheduling protocols. Neurocomputing, 2022, 501, 471-479.	3.5	1
65	Existence and uniqueness of solutions to uncertain functional differential equations. , 2012, , .		0
66	Finite-horizon ${H_{infty }}$ State Estimation for Discrete-Time Memristive Neural Networks with Time-Varying Delays and Fading Channels: A Dynamic Event-Triggered Approach. , 2021, , .		0
67	Dissipative State Estimation for Delayed Discrete-Time Memristive Neural Networks Under Dynamic Event-Triggered Mechanisms and Deception Attacks. , 2021, , .		0
68	Encoding-decoding-based distributed filtering for time-varying saturated systems with constrained bit rate. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, , 1-1.	2.2	0