Zheng-Guang Wu

List of Publications by Year
in descending order

54 papers	5,336 citations	136885 32 h-index	161767 54 g-index
55 all docs	55 docs citations	55 times ranked	2435 citing authors

#	Article	IF	Citations
1	Stochastic Synchronization of Markovian Jump Neural Networks With Time-Varying Delay Using Sampled Data. IEEE Transactions on Cybernetics, 2013, 43, 1796-1806.	6.2	560
2	Asynchronous <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si7.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>l</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> filtering for discrete-time stochastic Markov jump systems with randomly occurred sensor nonlinearities. Automatica, 2014, 50, 180-186.	3.6	543
3	Passivity-Based Asynchronous Control for Markov Jump Systems. IEEE Transactions on Automatic Control, 2017, 62, 2020-2025.	3.6	448
4	Event-Triggered Control for Consensus of Multiagent Systems With Fixed/Switching Topologies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1736-1746.	5.9	307
5	Sampled-Data Fuzzy Control of Chaotic Systems Based on a Tâ€“S Fuzzy Model. IEEE Transactions on Fuzzy Systems, 2014, 22, 153-163.	6.5	259
6	Event-Triggered Control for Consensus Problem in Multi-Agent Systems With Quantized Relative State Measurements and External Disturbance. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2232-2242.	3.5	242
7	Robust extended dissipative control for sampled-data Markov jump systems. International Journal of Control, 2014, 87, 1549-1564.	1.2	220
8	Sampled-Data Exponential Synchronization of Complex Dynamical Networks With Time-Varying Coupling Delay. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1177-1187.	7.2	210
9	Local Synchronization of Chaotic Neural Networks With Sampled-Data and Saturating Actuators. IEEE Transactions on Cybernetics, 2014, 44, 2635-2645.	6.2	182
10	Reliable H_infty Control for Discrete-Time Fuzzy Systems With Infinite-Distributed Delay. IEEE Transactions on Fuzzy Systems, 2012, 20, 22-31.	6.5	175
11	Input-Based Event-Triggering Consensus of Multiagent Systems Under Denial-of-Service Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1455-1464.	5.9	175
12	Dissipativity-Based Reliable Control for Fuzzy Markov Jump Systems With Actuator Faults. IEEE Transactions on Cybernetics, 2017, 47, 2377-2388.	6.2	143
13	Asynchronous and Resilient Filtering for Markovian Jump Neural Networks Subject to Extended Dissipativity. IEEE Transactions on Cybernetics, 2019, 49, 2504-2513.	6.2	122
14	Static Output Feedback Control of Switched Nonlinear Systems With Actuator Faults. IEEE Transactions on Fuzzy Systems, 2020, 28, 1600-1609.	6.5	116
15	Event-Based Secure Consensus of Mutiagent Systems Against DoS Attacks. IEEE Transactions on Cybernetics, 2020, 50, 3468-3476.	6.2	114
16	Dissipativity Analysis for Discrete-Time Stochastic Neural Networks With Time-Varying Delays. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 345-355.	7.2	99
17	Network-Based Robust Passive Control for Fuzzy Systems With Randomly Occurring Uncertainties. IEEE Transactions on Fuzzy Systems, 2013, 21, 966-971.	6.5	96
18	Hidden-Markov-Model-Based Asynchronous Filter Design of Nonlinear Markov Jump Systems in Continuous-Time Domain. IEEE Transactions on Cybernetics, 2019, 49, 2294-2304.	6.2	94

#	Article	IF	Citations
19	Dynamic Triggering Mechanisms for Distributed Adaptive Synchronization Control and Its Application to Circuit Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 2246-2256.	3.5	85
20	Delay-dependent passivity for singular Markov jump systems with time-delays. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 669-681.	1.7	80
21	Reachable Set Estimation for Markovian Jump Neural Networks With Time-Varying Delays. IEEE Transactions on Cybernetics, 2017, 47, 3208-3217.	6.2	74
22	Mixed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0005.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="script">H</mml:mi></mml:mrow><mml:mrow><mml:mo>âˆž</mml:mo></mml:mrow></mml:msub></mml:math> and passive filtering for singular systems with time delays. Signal Processing, 2013, 93, 1705-1711.	2.1	73
23	Exponential Stabilization for Sampled-Data Neural-Network-Based Control Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2180-2190.	7.2	73
24	A3C-Based Intelligent Event-Triggering Control of Networked Nonlinear Unmanned Marine Vehicles Subject to Hybrid Attacks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12921-12934.	4.7	72
25	Dissipativity-Based Resilient Filtering of Periodic Markovian Jump Neural Networks With Quantized Measurements. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1888-1899.	7.2	66
26	Reliable passive control for singular systems with time-varying delays. Journal of Process Control, 2013, 23, 1217-1228.	1.7	62
27	Non-fragile synchronisation control for complex networks with missing data. International Journal of Control, 2013, 86, 555-566.	1.2	61
28	Distributed Formation Navigation of Constrained Second-Order Multiagent Systems With Collision Avoidance and Connectivity Maintenance. IEEE Transactions on Cybernetics, 2022, 52, 2149-2162.	6.2	47
29	Consensus of Linear Multiagent Systems With Input-Based Triggering Condition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2308-2317.	5.9	45
30	Asynchronous Filtering of Nonlinear Markov Jump Systems with Randomly Occurred Quantization via T-S Fuzzy Models. IEEE Transactions on Fuzzy Systems, 2017, , 1-1.	6.5	44
31	Reliable Control Against Sensor Failures for Markov Jump Systems With Unideal Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 308-316.	5.9	41
32	Stabilization and Finite-Time Stabilization of Probabilistic Boolean Control Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-8.	5.9	39
33	Dynamic Event-Triggered Asynchronous MPC of Markovian Jump Systems With Disturbances. IEEE Transactions on Cybernetics, 2022, 52, 11639-11648.	6.2	35
34	The Outputs Robustness of Boolean Control Networks via Pinning Control. IEEE Transactions on Control of Network Systems, 2020, 7, 201-209.	2.4	33
35	Event-Based Dissipative Filtering of Markovian Jump Neural Networks Subject to Incomplete Measurements and Stochastic Cyber-Attacks. IEEE Transactions on Cybernetics, 2021, 51, 1370-1379.	6.2	32
36	Nonstationary Filtering for Fuzzy Markov Switching Affine Systems With Quantization Effects and Deception Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6545-6554.	5.9	28

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37	Filtering of Tâ€“S Fuzzy Systems With Nonuniform Sampling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2442-2450.	5.9	27
38	Extended Dissipative Sliding-Mode Control for Discrete-Time Piecewise Nonhomogeneous Markov Jump Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, 52, 9219-9229.	6.2	27
39	Asynchronous Mean Stabilization of Positive Jump Systems With Piecewise-Homogeneous Markov Chain. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3266-3270.	2.2	27
40	Fully Distributed Adaptive Event-Triggered Control of Networked Systems With Actuator Bias Faults. IEEE Transactions on Cybernetics, 2022, 52, 10773-10784.	6.2	21
41	Synchronization of Coupled Harmonic Oscillators With Asynchronous Intermittent Communication. IEEE Transactions on Cybernetics, 2021, 51, 258-266.	6.2	18
42	Cooperative Adaptive H_{âˆž} Output Regulation of Continuous-Time Heterogeneous Multi-Agent Markov Jump Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3261-3265.	2.2	18
43	Quantized Fuzzy Cooperative Output Regulation for Heterogeneous Nonlinear Multiagent Systems With Directed Fixed/Switching Topologies. IEEE Transactions on Cybernetics, 2022, 52, 12393-12402.	6.2	16
44	Asynchronous Control of Two-Dimensional Markov Jump Roesser Systems: An Event-Triggering Strategy. IEEE Transactions on Network Science and Engineering, 2022, 9, 2278-2289.	4.1	16
45	Cluster Tracking Performance Analysis of Linear Heterogeneous Multi-Agent Networks: A Complex Frequency Domain Approach. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 259-270.	3.5	14
46	Resilient Asynchronous State Estimation for Markovian Jump Neural Networks Subject to Stochastic Nonlinearities and Sensor Saturations. IEEE Transactions on Cybernetics, 2022, 52, 5809-5818.	6.2	13
47	Cooperative Output Regulation Quadratic Control for Discrete-Time Heterogeneous Multiagent Markov Jump Systems. IEEE Transactions on Cybernetics, 2022, 52, 9882-9892.	6.2	9
48	Distributed Averaging Problems Over Directed Signed Networks. IEEE Transactions on Control of Network Systems, 2021, 8, 1442-1453.	2.4	8
49	Adaptive Stabilization of Discrete-Time Nonminimum Phase Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, , 1-6.	5.9	6
50	Bipartite Containment Fluctuation Behaviors of Cooperativeâ€“Antagonistic Networks With Time-Varying Topologies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7391-7400.	5.9	5
51	Reliable Control for Two-Dimensional Systems Subject to Extended Dissipativity. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2760-2765.	5.9	4
52	Transient Bipartite Synchronization for Cooperative-Antagonistic Multiagent Systems With Switching Topologies. IEEE Transactions on Cybernetics, 2022, 52, 11467-11476.	6.2	4
53	Nonsynchronous Model Reduction for Uncertain 2-D Markov Jump Systems. IEEE Transactions on Cybernetics, 2022, 52, 10177-10186.	6.2	4
54	Asynchronous Control of Stochastic Switched Boolean Control Networks With Piecewise-Homogeneous Dwell Time. IEEE Transactions on Cybernetics, 2023, 53, 2944-2954.	6.2	4