

# Guangming Zhuang

## List of Publications by Year in descending order

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91  
papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Non-fragile finite-time extended dissipative control for a class of uncertain discrete time switched linear systems. <i>Journal of the Franklin Institute</i> , 2018, 355, 3031-3049.	1.9	131
2	Admissibility and stabilization of stochastic singular Markovian jump systems with time delays. <i>Systems and Control Letters</i> , 2018, 114, 1-10.	1.3	103
3	Delay-dependent stability and dissipativity analysis of generalized neural networks with Markovian jump parameters and two delay components. <i>Journal of the Franklin Institute</i> , 2016, 353, 2137-2158.	1.9	93
4	HMM-Based Asynchronous $H_\infty$ Filtering for Fuzzy Singular Markovian Switching Systems With Retarded Time-Varying Delays. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 1189-1203.	6.2	89
5	Finite-time tracking control for stochastic nonlinear systems with full state constraints. <i>Applied Mathematics and Computation</i> , 2018, 338, 207-220.	1.4	87
6	Command Filter-Based Adaptive Fuzzy Control for Nonlinear Systems With Unknown Control Directions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, , 1-9.	5.9	83
7	Dissipativity-Based Sampled-Data Control for Fuzzy Switched Markovian Jump Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 1325-1339.	6.5	83
8	Robust non-fragile fault detection filter design for delayed singular Markovian jump systems with linear fractional parametric uncertainties. <i>Nonlinear Analysis: Hybrid Systems</i> , 2019, 32, 65-78.	2.1	68
9	Robust $H_\infty$ deconvolution filtering for uncertain singular Markovian jump systems with time-varying delays. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 2564-2585.	2.1	68
10	Dynamic event-based finite-time mixed $H_\infty$ and passive asynchronous filtering for $T\Sigma S$ fuzzy singular Markov jump systems with general transition rates. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020, 36, 100874.	2.1	68
11	Event-based asynchronous and resilient filtering for Markov jump singularly perturbed systems against deception attacks. <i>ISA Transactions</i> , 2021, 112, 56-73.	3.1	60
12	Dynamic event-based reliable dissipative asynchronous control for stochastic Markov jump systems with general conditional probabilities. <i>Nonlinear Dynamics</i> , 2020, 101, 465-485.	2.7	58
13	Non-fragile delay feedback control for neutral stochastic Markovian jump systems with time-varying delays. <i>Applied Mathematics and Computation</i> , 2019, 355, 21-32.	1.4	55
14	Unified filters design for singular Markovian jump systems with time-varying delays. <i>Journal of the Franklin Institute</i> , 2016, 353, 3739-3768.	1.9	54
15	Improved delay-dependent stabilization for a class of networked control systems with nonlinear perturbations and two delay components. <i>Applied Mathematics and Computation</i> , 2018, 316, 1-17.	1.4	52
16	Asynchronous Feedback Control for Delayed Fuzzy Degenerate Jump Systems Under Observer-Based Event-Driven Characteristic. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 3754-3768.	6.5	45
17	Sampled-Data Synchronization of Stochastic Markovian Jump Neural Networks With Time-Varying Delay. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 3829-3841.	7.2	43
18	Reliable exponential filtering for singular Markovian jump systems with time-varying delays and sensor failures. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 4230-4245.	2.1	42

#	ARTICLE	IF	CITATIONS
19	Nonfragile Finite-Time Extended Dissipative Control for a Class of Uncertain Switched Neutral Systems. Complexity, 2017, 2017, 1-22.	0.9	41
20	Adaptive decentralized NN control of large-scale stochastic nonlinear time-delay systems with unknown dead-zone inputs. Neurocomputing, 2015, 158, 194-203.	3.5	39
21	Admissibility analysis and stabilization for neutral descriptor hybrid systems with time-varying delays. Nonlinear Analysis: Hybrid Systems, 2019, 33, 311-321.	2.1	38
22	A dynamic event-triggered $H^\infty$ control for singular Markov jump systems with redundant channels. International Journal of Systems Science, 2020, 51, 158-179.	3.7	38
23	Dynamic event-based mixed $H^\infty$ and dissipative asynchronous control for Markov jump singularly perturbed systems. Applied Mathematics and Computation, 2020, 386, 125443.	1.4	38
24	Admissibilization for Implicit Jump Systems With Mixed Retarded Delays Based on Reciprocally Convex Integral Inequality and Barbalat's Lemma. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6808-6818.	5.9	37
25	$H^\infty$ mode-dependent fault detection filter design for stochastic Markovian jump systems with time-varying delays and parameter uncertainties. ISA Transactions, 2014, 53, 1024-1034.	3.1	36
26	Adaptive fuzzy asymptotically tracking control of full state constrained nonlinear system based on a novel Nussbaum-type function. Journal of the Franklin Institute, 2019, 356, 1810-1827.	1.9	36
27	Reliable mixed $H^\infty$ and passive control for networked control systems under adaptive event-triggered scheme with actuator faults and randomly occurring nonlinear perturbations. ISA Transactions, 2019, 89, 45-57.	1.9	36
28	$H_2$ gain analysis and state feedback stabilization of switched systems with multiple additive time-varying delays. Journal of the Franklin Institute, 2017, 354, 7326-7345.	1.9	34
29	Command Filter-Based Adaptive Prescribed Performance Tracking Control for Stochastic Uncertain Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6555-6563.	5.9	34
30	Fault detection for a class of uncertain nonlinear Markovian jump stochastic systems with mode-dependent time delays and sensor saturation. International Journal of Systems Science, 2016, 47, 1514-1532.	3.7	30
31	Robust normalisation and $H^\infty$ state feedback control for uncertain singular Markovian jump systems with time-varying delays. IET Control Theory and Applications, 2018, 12, 419-427.	1.2	30
32	Event-based asynchronous dissipative filtering for $H^\infty$ fuzzy singular Markovian jump systems with redundant channels. Nonlinear Analysis: Hybrid Systems, 2019, 34, 264-283.	2.1	30
33	Adaptive neural network tracking control for uncertain nonlinear systems with input delay and saturation. International Journal of Robust and Nonlinear Control, 2020, 30, 2593-2610.	2.1	29
34	Improved passivity analysis for neural networks with Markovian jumping parameters and interval time-varying delays. Neurocomputing, 2015, 155, 253-260.	3.5	28
35	Robust Sampled-Data Control for Switched Complex Dynamical Networks With Actuators Saturation. IEEE Transactions on Cybernetics, 2022, 52, 10909-10923.	6.2	24
36	Extended dissipative analysis and synthesis for network control systems with an event-triggered scheme. Neurocomputing, 2018, 312, 34-40.	3.5	23

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37	Dynamic event-based dissipative asynchronous control for Tâ€“S fuzzy singular Markov jump LPV systems against deception attacks. <i>Nonlinear Dynamics</i> , 2021, 103, 1709-1731.	2.7	23
38	$H_{\infty}$ filtering for Markovian jump delay systems with parameter uncertainties and limited communication capacity. <i>IET Control Theory and Applications</i> , 2014, 8, 1337-1353.	1.2	22
39	Event-triggered feedback control for delayed singular jump systems based on sampled observer and exponential detector. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 7298-7316.	2.1	20
40	Asynchronous admissibility and fault detection for delayed implicit Markovian switching systems under hidden Markovian model mechanism. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 7261-7279.	2.1	20
41	Robust $H_{\infty}$ filter design for uncertain stochastic Markovian jump Hopfield neural networks with mode-dependent time-varying delays. <i>Neurocomputing</i> , 2014, 127, 181-189.	3.5	18
42	State feedback control for stochastic Markovian jump delay systems based on LaSalle-type theorem. <i>Journal of the Franklin Institute</i> , 2018, 355, 2179-2196.	1.9	18
43	An event-triggered asynchronous $H_{\infty}$ filtering for singular Markov jump systems with redundant channels. <i>Journal of the Franklin Institute</i> , 2019, 356, 10076-10101.	1.9	17
44	Interval stability and interval stabilization of linear stochastic systems with time-varying delay. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 2334-2347.	2.1	16
45	Normalisation design for delayed singular Markovian jump systems based on system transformation technique. <i>International Journal of Systems Science</i> , 2018, 49, 1603-1614.	3.7	15
46	Asynchronous $H_{\infty}$ controller design for neutral singular Markov jump systems under dynamic event-triggered schemes. <i>Journal of the Franklin Institute</i> , 2021, 358, 494-515.	1.9	15
47	Reliable filtering with extended dissipativity for uncertain systems with discrete and distributed delays. <i>International Journal of Systems Science</i> , 2017, 48, 2644-2657.	3.7	14
48	Asynchronous passive dynamic event-triggered controller design for singular Markov jump systems with general transition rates under stochastic cyberattacks. <i>IET Control Theory and Applications</i> , 2020, 14, 2291-2302.	1.2	14
49	Robust Finite-time Extended Dissipative Control for a Class of Uncertain Switched Delay Systems. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 1459-1468.	1.6	13
50	Nonfragile $H_{\infty}$ output tracking control for uncertain singular Markovian jump delay systems with network-induced delays and data packet dropouts. <i>Complexity</i> , 2016, 21, 396-411.	0.9	12
51	$H_{\infty}$ Estimation for Markovian Jump Neural Networks With Quantization, Transmission Delay and Packet Dropout. <i>Neural Processing Letters</i> , 2016, 44, 317-341.	2.0	11
52	Normalization and stabilization of neutral descriptor hybrid systems based on P-D feedback control. <i>Journal of the Franklin Institute</i> , 2020, 357, 1070-1089.	1.9	11
53	Reliable mixed $H_{\infty}$ /passive control for Tâ€“S fuzzy semi-Markovian jump systems under different event-triggered schemes. <i>IET Control Theory and Applications</i> , 2020, 14, 594-604.	1.2	11
54	$H_{\infty}$ dynamic output feedback control for time-varying delay singular Markovian jump systems based on variable elimination technique. <i>Nonlinear Dynamics</i> , 2022, 108, 239-249.	2.7	11

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55	New results on stabilization for neutral type descriptor hybrid systems with time-varying delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2022, 45, 101172.	2.1	11
56	Event-based asynchronous and resilient filtering for singular Markov jump LPV systems against deception attacks. <i>Applied Mathematics and Computation</i> , 2021, 403, 126176.	1.4	10
57	Finite-time state-feedback stabilization of high-order stochastic nonlinear systems with an asymmetric output constraint. <i>International Journal of Adaptive Control and Signal Processing</i> , 2022, 36, 1691-1701.	2.3	10
58	Fault Detection Filtering for Uncertain Itô Stochastic Fuzzy Systems With Time-Varying Delays. <i>Circuits, Systems, and Signal Processing</i> , 2015, 34, 2839-2871.	1.2	9
59	Asynchronous H $\infty$ Dynamic Output Feedback Control for Markovian Jump Neural Networks with Time-varying Delays. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 909-923.	1.6	9
60	Dynamic-Memory Event-Based Asynchronous Attack Detection Filtering for a Class Of Nonlinear Cyber-Physical Systems. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 653-667.	6.2	9
61	Asynchronous Sampled-Data Controller Design for Switched Markov Jump Systems and Its Applications. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 934-946.	5.9	9
62	Non-Fragile $H_{\infty}$ Filter Design for Uncertain Stochastic Nonlinear Time-Delay Markovian Jump Systems. <i>Circuits, Systems, and Signal Processing</i> , 2014, 33, 3389-3419.	1.2	8
63	Multiobjective Optimization Control for Uncertain Nonlinear Stochastic System with State-Delay. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 72-83.	2.3	8
64	Robust dynamic output feedback stabilization for uncertain singular Markovian jump systems with time-varying delays. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 3890-3908.	2.1	8
65	Asynchronous $H_{\infty}$ Filtering for Singular Markov Jump Neural Networks with Mode-Dependent Time-Varying Delays. <i>Neural Processing Letters</i> , 2022, 54, 5439-5456.	2.0	8
66	Dynamic event-based sliding mode security control for singular Semi-Markov jump LPV systems against deception attacks. <i>ISA Transactions</i> , 2023, 133, 116-133.	3.1	8
67	Relaxed Stability Conditions for Discrete-Time T $\infty$ S Fuzzy Systems via Double Homogeneous Polynomial Approach. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 741-749.	2.3	7
68	Improved delay-dependent stability analysis for linear time-delay systems: Based on homogeneous polynomial Lyapunov-Krasovskii functional method. <i>Neurocomputing</i> , 2016, 193, 176-180.	3.5	6
69	Fault detection for a class of nonlinear networked systems under adaptive event-triggered scheme with randomly occurring nonlinear perturbations. <i>International Journal of Systems Science</i> , 2018, 49, 1918-1933.	3.7	6
70	Generalized non-fragile asynchronous mixed $H_{\infty}$ and passive output tracking control for neutral Markov jump systems. <i>Nonlinear Dynamics</i> , 2021, 106, 523-541.	2.7	6
71	Robust interval stability/stabilization and H $\infty$ feedback control for uncertain stochastic Markovian jump systems based on the linear operator. <i>Science China Information Sciences</i> , 2022, 65, 1.	2.7	6
72	Non-fragile extended dissipative control for event-triggered networked stochastic systems. <i>International Journal of Systems Science</i> , 2020, 51, 746-758.	3.7	5

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73	New delay-independent global robust passivity analysis for stochastic neural networks with Markovian jumping parameters and interval time-varying delays. Complexity, 2016, 21, 167-179.	0.9	4
74	Dissipativity-based sampled-data control of fuzzy Markovian jump systems with incomplete transition rates. Journal of the Franklin Institute, 2020, 357, 7638-7657.	1.9	4
75	Resilient $H_\infty$ dynamic output feedback controller design for USJSs with time-varying delays. Applied Mathematics and Computation, 2021, 395, 125875.	1.4	4
76	Dynamic Event-Based Asynchronous and Resilient Dissipative Filtering for S Fuzzy Markov Jump Singularly Perturbed Systems Against Deception Attacks. International Journal of Fuzzy Systems, 2022, 24, 1491-1514.	2.3	4
77	pth moment asymptotic interval stability and stabilization of linear stochastic systems via generalized $H$ -representation. Applied Mathematics and Computation, 2020, 386, 125520.	1.4	3
78	Improved non-fragile feedback control for stochastic jump system based on observer and quantized measurement. Journal of the Franklin Institute, 2020, 357, 12433-12453.	1.9	3
79	Asynchronous Filtering for Delayed Fuzzy Jump Systems Subject to Mixed Passivity and $H_\infty$ Performance. International Journal of Fuzzy Systems, 2021, 23, 1396-1413.	2.3	3
80	Further results on stabilization for neutral singular Markovian jump systems with mixed interval time-varying delays. Applied Mathematics and Computation, 2022, 420, 126884.	1.4	3
81	Asynchronous mixed $H_\infty$ and passive control for fuzzy singular delayed Markovian jump system via hidden Markovian model mechanism. Applied Mathematics and Computation, 2022, 429, 127253.	1.4	3
82	Improved Non-Fragile State Feedback Control for Stochastic Jump Systems With Uncertain Parameters and Mode-Dependent Time-Varying Delays. IEEE Access, 2020, 8, 97676-97688.	2.6	2
83	Mode-dependent $H_\infty$ Filtering for Time-varying Delays Neutral Jump Systems Based on FWM Technique. International Journal of Control, Automation and Systems, 2021, 19, 2092-2104.	1.6	2
84	Observer-based Non-fragile Mixed Passivity and $H_\infty$ Feedback Control for Fuzzy Stochastic Jump System Subject to Quantized Measurements. International Journal of Control, Automation and Systems, 2021, 19, 3136-3149.	1.6	2
85	Improved $H_\infty$ deconvolution filter design for Luré singular Markovian jump systems based on sector bounded condition. Journal of the Franklin Institute, 2022, 359, 1585-1604.	1.9	2
86	Asynchronous Dynamic Output Feedback Control for Delayed Fuzzy Stochastic Markov Jump Systems Based on HMM Strategy. International Journal of Fuzzy Systems, 2022, 24, 2302-2317.	2.3	2
87	Almost sure central limit theorem for partial sums of Markov chain. Chinese Annals of Mathematics Series B, 2012, 33, 73-82.	0.2	1
88	Improved robust $H_\infty$ exponential mean square stabilization for uncertain Markov jump delay systems based on memory-state feedback control. IET Control Theory and Applications, 2021, 15, 617-634.	1.2	1
89	$H_\infty$ deconvolution filter design for uncertain descriptor hybrid delay systems with limited communication capacity and unknown transition rates. Complexity, 2016, 21, 478-496.	0.9	0
90	Adaptive control for mobile manipulators with stochastic disturbances. , 2017, , .		0

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91	Derivative feedback control for differential-algebraic systems with time-varying delay. , 2019, , .		0