

# Hao Shen

## List of Publications by Year in descending order

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60  
papers

3,775  
citations

136950

32  
h-index

149698

56  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1931  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient synergistic biocatalysis driven by stably loaded enzymes within hierarchically porous iron/cobalt metal-organic framework via biomimetic mineralization. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1553-1560.	5.8	15
2	A versatile biomimetic multienzyme cascade nanoplatfrom based on boronic acid-modified metal-organic framework for colorimetric biosensing. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3444-3451.	5.8	12
3	Protein FT-IR amide bands are beneficial to bacterial typing. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 358-364.	7.5	7
4	Simultaneous detection of multiple phenolic compounds in fish by gas chromatography-mass spectrometry following a modified QuEChERS cleanup. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2022, 39, 1136-1148.	2.3	5
5	Finite-time energy peak quantized filtering for Markov jump networked systems under weighted try-once-discard protocol. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 4951-4964.	3.7	14
6	Dissipativity-based filter design for Markov jump systems with packet loss compensation. <i>Automatica</i> , 2021, 133, 109843.	5.0	25
7	Fault-Tolerant Sampled-Data Synchronization of Chaotic Systems with Random Occurring Uncertainties: A Semi-Markov Jump Model Approach. <i>Studies in Systems, Decision and Control</i> , 2021, , 83-102.	1.0	0
8	Fault-tolerant control for fuzzy switched singular systems with persistent dwell-time subject to actuator fault. <i>Fuzzy Sets and Systems</i> , 2020, 392, 60-76.	2.7	44
9	Design of a fault-tolerant output-feedback controller for thickness control in cold rolling mills. <i>Applied Mathematics and Computation</i> , 2020, 369, 124841.	2.2	32
10	Extended non-fragile dissipative estimation for nonlinear semi-Markov jump systems. <i>Journal of the Franklin Institute</i> , 2020, 357, 457-472.	3.4	21
11	Non-fragile mixed passive and $H_\infty$ state estimation for singularly perturbed neural networks with semi-Markov jumping parameters. <i>Journal of the Franklin Institute</i> , 2020, 357, 6352-6369.	3.4	18
12	Robust distributed state estimation for Markov coupled neural networks under imperfect measurements. <i>Journal of the Franklin Institute</i> , 2020, 357, 2420-2436.	3.4	34
13	$H_\infty$ Filtering for Markov Jump Neural Networks Subject to Hidden-Markov Mode Observation and Packet Dropouts via an Improved Activation Function Dividing Method. <i>Neural Processing Letters</i> , 2020, 51, 1939-1955.	3.2	10
14	Recent Advances in Control and Filtering of Dynamic Systems with Constrained Signals. <i>Studies in Systems, Decision and Control</i> , 2019, , .	1.0	59
15	Extended dissipative learning of time-delay recurrent neural networks. <i>Journal of the Franklin Institute</i> , 2019, 356, 8745-8769.	3.4	15
16	Asynchronous $H_\infty$ filtering for nonlinear persistent dwell-time switched singular systems with measurement quantization. <i>Applied Mathematics and Computation</i> , 2019, 362, 124578.	2.2	37
17	Non-fragile extended dissipativity-based state feedback control for 2-D Markov jump delayed systems. <i>Applied Mathematics and Computation</i> , 2019, 362, 124571.	2.2	36
18	Command filter-based finite-time adaptive fuzzy control for nonlinear systems with uncertain disturbance. <i>Journal of the Franklin Institute</i> , 2019, 356, 11270-11284.	3.4	31

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19	Reliable Event-Triggered Asynchronous Extended Passive Control for Semi-Markov Jump Fuzzy Systems and Its Application. IEEE Transactions on Fuzzy Systems, 2019, , 1-1.	9.8	88
20	Mixed $\hat{a}$ , $\hat{a}^z$ and $\hat{a}, '2 \hat{a}^r \hat{a}, ' \hat{a}^z$ Anti-synchronization Control for Chaotic Delayed Recurrent Neural Networks. International Journal of Control, Automation and Systems, 2019, 17, 3158-3169.	2.7	6
21	Extended dissipative synchronization for singularly perturbed semi-Markov jump neural networks with randomly occurring uncertainties. Neurocomputing, 2019, 349, 281-289.	5.9	15
22	Weighted $\mathcal{H}_{\infty}$ consensus design for stochastic multi-agent systems subject to external disturbances and ADT switching topologies. Nonlinear Dynamics, 2019, 96, 853-868.	5.2	55
23	Generalised dissipative asynchronous output feedback control for Markov jump repeated scalar nonlinear systems with time-varying delay. IET Control Theory and Applications, 2019, 13, 2114-2121.	2.1	58
24	Sampled-Data Control for Fuzzy Markovian Jump Systems With Actuator Saturation. IEEE Access, 2019, 7, 180417-180427.	4.2	6
25	$\mathcal{H}_{\infty}$ State Estimation for Stochastic Jumping Neural Networks with Fading Channels Over a Finite-Time Interval. Neural Processing Letters, 2019, 50, 1-18.	3.2	6
26	On dissipativity-based filtering for discrete-time switched singular systems with sensor failures: a persistent dwell-time scheme. IET Control Theory and Applications, 2019, 13, 1814-1822.	2.1	30
27	Finite-Time Event-Triggered $\mathcal{H}_{\infty}$ Control for $\mathcal{S}$ Fuzzy Markov Jump Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 3122-3135.	9.8	401
28	SMC Design for Robust Stabilization of Nonlinear Markovian Jump Singular Systems. IEEE Transactions on Automatic Control, 2018, 63, 219-224.	5.7	286
29	On energy-to-peak filtering for semi-Markov jump singular systems with unideal measurements. Signal Processing, 2018, 144, 127-133.	3.7	24
30	Nonfragile mixed $\mathcal{H}_{\infty}$ control for fuzzy Markovian jump systems with input constraints via an event-triggered mechanism. Nonlinear Dynamics, 2018, 91, 641-654.	5.2	14
31	Further results on dissipativity and stability analysis of Markov jump generalized neural networks with time-varying interval delays. Applied Mathematics and Computation, 2018, 336, 338-350.	2.2	66
32	Quantized energy-to-peak state estimation for persistent dwell-time switched neural networks with packet dropouts. Nonlinear Dynamics, 2018, 93, 2249-2262.	5.2	18
33	Finite-time non-fragile $\mathcal{H}_{\infty}$ control for jumping stochastic systems subject to input constraints via an event-triggered mechanism. Journal of the Franklin Institute, 2018, 355, 6371-6389.	3.4	69
34	Nonfragile $\mathcal{H}_{\infty}$ Control for Fuzzy Markovian Jump Systems Under Fast Sampling Singular Perturbation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2058-2069.	9.3	136
35	Extended Dissipative State Estimation for Markov Jump Neural Networks With Unreliable Links. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 346-358.	11.3	406
36	Event-triggered dissipative filtering for networked semi-Markov jump systems and its applications in a mass-spring system model. Nonlinear Dynamics, 2017, 87, 2741-2753.	5.2	73

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37	Passivity-based synchronization via sampled-data control scheme. , 2017, , .		0
38	A unified method to energy-to-peak filter design for networked Markov switched singular systems over a finite-time interval. Journal of the Franklin Institute, 2017, 354, 7899-7916.	3.4	36
39	Multi-touch gesture recognition algorithm of vehicle electronic devices-based on Bezier curve optimization strategy. , 2017, , .		3
40	Non-fragile mixed $H_2$ and passive asynchronous state estimation for Markov jump neural networks with randomly occurring uncertainties and sensor nonlinearity. Neurocomputing, 2017, 227, 46-53.	5.9	18
41	Event-triggered $H_\infty$ control for networked discrete-time Markov jump systems with repeated scalar nonlinearities. Applied Reliable mixed $H_\infty$ control for T-S fuzzy delayed systems based on a semi-Markov jump model approach. Fuzzy Sets and Systems, 2017, 314, 79-98.	2.2	71
42	Reliable mixed $H_\infty$ control for T-S fuzzy systems via an event-triggered mechanism. , 2016, , .		0
43	Finite-time asynchronous $H_\infty$ control for switched systems with average dwell-time switching. International Journal of Control, 2016, 89, 281-296.	2.2	28
44	Non-fragile reduced-order dynamic output feedback $H_\infty$ control for switched systems with average dwell-time switching. International Journal of Control, 2016, 89, 281-296.	1.9	54
45	Fault-tolerant mixed $H_\infty$ synchronization for delayed chaotic neural networks with sampled-data control. Complexity, 2016, 21, 246-259.	1.6	15
46	Finite-time $H_\infty$ synchronization for complex networks with semi-Markov jump topology. Communications in Mixed $H_\infty$ synchronization for complex dynamical networks with sampled-data control. Applied Mathematics and Computation, 2015, 259, 931-942.	1.2	1
47	Non-fragile finite-time $H_\infty$ estimation for discrete-time Markov jump neural networks with unreliable communication links. Applied Mathematics and Computation, 2015, 271, 467-481.	2.2	40
48	Reliable mixed passive and filtering for semi-Markov jump systems with randomly occurring uncertainties and sensor failures. International Journal of Robust and Nonlinear Control, 2015, 25, 3231-3251.	3.7	281
49	Non-fragile mixed $H_\infty$ / $H_2$ synchronization control for complex networks with Markov jumping switching topology under unreliable communication links. IET Control Theory and Applications, 2014, 8, 2207-2218.	2.1	26
50	Finite-time energy-to-peak filtering for Markov jump repeated scalar nonlinear systems with packet dropouts. IET Control Theory and Applications, 2014, 8, 1617-1624.	2.1	41
51	Distributed output feedback consensus of discrete-time multi-agent systems. Neurocomputing, 2014, 138, 86-91.	5.9	47
52	Passivity-based fault-tolerant synchronization control of chaotic neural networks against actuator faults using the semi-Markov jump model approach. Neurocomputing, 2014, 143, 51-56.	5.9	46

#	ARTICLE	IF	CITATIONS
55	Dissipativity-based state estimation for Markov jump discrete-time neural networks with unreliable communication links. <i>Neurocomputing</i> , 2014, 139, 107-113.	5.9	20
56	Robust fault-tolerant control of uncertain fractional-order systems against actuator faults. <i>IET Control Theory and Applications</i> , 2013, 7, 1233-1241.	2.1	73
57	Global exponential estimates for uncertain Markovian jump neural networks with reaction-diffusion terms. <i>Nonlinear Dynamics</i> , 2012, 69, 473-486.	5.2	88
58	Reduced-order observer design for the synchronization of the generalized Lorenz chaotic systems. <i>Applied Mathematics and Computation</i> , 2012, 218, 7614-7621.	2.2	62
59	Passivity-based control for uncertain stochastic jumping systems with mode-dependent round-trip time delays. <i>Journal of the Franklin Institute</i> , 2012, 349, 1665-1680.	3.4	129
60	Fuzzy H <sub>∞</sub> filtering for nonlinear Markovian jump neutral systems. <i>International Journal of Systems Science</i> , 2011, 42, 767-780.	5.5	90