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	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
2	Finite-Time Event-Triggered $mathcal{H}_{infty }$ Control for Tâ€“S Fuzzy Markov Jump Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 3122-3135.	9.8	401
3	SMC Design for Robust Stabilization of Nonlinear Markovian Jump Singular Systems. IEEE Transactions on Automatic Control, 2018, 63, 219-224.	5.7	286
4	Reliable mixed passive and filtering for semiâ€Markov jump systems with randomly occurring uncertainties and sensor failures. International Journal of Robust and Nonlinear Control, 2015, 25, 3231-3251.	3.7	281
5	Finite-time <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="script">H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˆž</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:m synchronization for complex networks with semi-Markov jump topology. Communications in	3.8	198
6	Reliable mixed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.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> /passive control for Tâ€“S fuzzy delayed systems based on a semi-Markov jump model approach. Fuzzy Sets and Systems, 2017, 314, 79-98.	2.7	145
7	Nonfragile <inline-formula> <tex-math notation="LaTeX">$mathcal{H}_{infty}$ </tex-math> </inline-formula> 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
8	Passivity-based control for uncertain stochastic jumping systems with mode-dependent round-trip time delays. Journal of the Franklin Institute, 2012, 349, 1665-1680.	3.4	129
9	Mixed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="script">H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˆž</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:m synchronization for complex dynamical networks with sampled-data control. Applied Mathematics and Computation, 2015, 259, 931-942.	2.2	92
10	FuzzyH_{âˆž}filtering for nonlinear Markovian jump neutral systems. International Journal of Systems Science, 2011, 42, 767-780.	5.5	90
11	Global exponential estimates for uncertain Markovian jump neural networks with reaction-diffusion terms. Nonlinear Dynamics, 2012, 69, 473-486.	5.2	88
12	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
13	Robust faultâ€tolerant control of uncertain fractionalâ€order systems against actuator faults. IET Control Theory and Applications, 2013, 7, 1233-1241.	2.1	73
14	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
15	Event-triggered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi mathvariant="script">H</mml:mi><mml:mi>âˆž</mml:mi></mml:msub></mml:math> control for networked discrete-time Markov jump systems with repeated scalar nonlinearities. Applied	2.2	71
16	Finite-time non-fragile<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mi>l</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo>â€“</mml:mo><mml:m 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
17	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
18	Reduced-order observer design for the synchronization of the generalized Lorenz chaotic systems. Applied Mathematics and Computation, 2012, 218, 7614-7621.	2.2	62

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19	Recent Advances in Control and Filtering of Dynamic Systems with Constrained Signals. Studies in Systems, Decision and Control, 2019, , .	1.0	59
20	Generalised dissipative asynchronous output feedback control for Markov jump repeated scalar nonâ€linear systems with timeâ€varying delay. IET Control Theory and Applications, 2019, 13, 2114-2121.	2.1	58
21	Weighted $${mathcal {H}}_{infty }$$ H âˆž consensus design for stochastic multi-agent systems subject to external disturbances and ADT switching topologies. Nonlinear Dynamics, 2019, 96, 853-868.	5.2	55
22	Non-fragile reduced-order dynamic output feedbackHâˆžcontrol for switched systems with average dwell-time switching. International Journal of Control, 2016, 89, 281-296.	1.9	54
23	Distributed output feedback consensus of discrete-time multi-agent systems. Neurocomputing, 2014, 138, 86-91.	5.9	47
24	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
25	Fault-tolerant control for fuzzy switched singular systems with persistent dwell-time subject to actuator fault. Fuzzy Sets and Systems, 2020, 392, 60-76.	2.7	44
26	Finiteâ€time energyâ€toâ€peak filtering for Markov jump repeated scalar nonâ€linear systems with packet dropouts. IET Control Theory and Applications, 2014, 8, 1617-1624.	2.1	41
27	Non-fragile finite-time<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mi>l</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo>â^’</mml:mo><mml:mn> estimation for discrete-time Markov jump neural networks with unreliable communication links. Applied Mathematics and Computation, 2015, 271, 467-481.	2.2	40
28	Asynchronous Hâˆž filtering for nonlinear persistent dwell-time switched singular systems with measurement quantization. Applied Mathematics and Computation, 2019, 362, 124578.	2.2	37
29	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
30	Non-fragile extended dissipativity-based state feedback control for 2-D Markov jump delayed systems. Applied Mathematics and Computation, 2019, 362, 124571.	2.2	36
31	Robust distributed state estimation for Markov coupled neural networks under imperfect measurements. Journal of the Franklin Institute, 2020, 357, 2420-2436.	3.4	34
32	Design of a fault-tolerant output-feedback controller for thickness control in cold rolling mills. Applied Mathematics and Computation, 2020, 369, 124841.	2.2	32
33	Command filter-based finite-time adaptive fuzzy control for nonlinear systems with uncertain disturbance. Journal of the Franklin Institute, 2019, 356, 11270-11284.	3.4	31
34	On dissipativityâ€based filtering for discreteâ€time switched singular systems with sensor failures: a persistent dwellâ€time scheme. IET Control Theory and Applications, 2019, 13, 1814-1822.	2.1	30
35	Finite-time asynchronous <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd"	2.2	28
36	Nonâ€fragile mixed â„‹_{âˆž} / l ₂ â€‰â^’â€‰ l _{âˆž} synchronisation control for complex networks with Markov jumpingâ€switching topology under unreliable communication links. IET Control Theory and Applications, 2014, 8, 2207-2218.	2.1	26

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37	Dissipativity-based filter design for Markov jump systems with packet loss compensation. Automatica, 2021, 133, 109843.	5.0	25
38	On energy-to-peak filtering for semi-Markov jump singular systems with unideal measurements. Signal Processing, 2018, 144, 127-133.	3.7	24
39	Extended non-fragile dissipative estimation for nonlinear semi-Markov jump systems. Journal of the Franklin Institute, 2020, 357, 457-472.	3.4	21
40	Dissipativity-based state estimation for Markov jump discrete-time neural networks with unreliable communication links. Neurocomputing, 2014, 139, 107-113.	5.9	20
41	Non-fragile mixed Hâˆž 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
42	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
43	Non-fragile mixed passive and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msub><mml:mi mathvariant="bold-script">H</mml:mi><mml:mi>âˆž</mml:mi></mml:msub></mml:math> state estimation for singularly perturbed neural networks with semi-Markov jumping parameters. Journal of the Franklin Institute, 2020, 357, 6352-6369.	3.4	18
44	Faultâ€tolerant mixed /passive synchronization for delayed chaotic neural networks with sampledâ€data control. Complexity, 2016, 21, 246-259.	1.6	15
45	Extended dissipative learning of time-delay recurrent neural networks. Journal of the Franklin Institute, 2019, 356, 8745-8769.	3.4	15
46	Extended dissipative synchronization for singularly perturbed semi-Markov jump neural networks with randomly occurring uncertainties. Neurocomputing, 2019, 349, 281-289.	5.9	15
47	Highly efficient synergistic biocatalysis driven by stably loaded enzymes within hierarchically porous iron/cobalt metalâ€“organic framework via biomimetic mineralization. Journal of Materials Chemistry B, 2022, 10, 1553-1560.	5.8	15
48	Nonfragile mixed $$varvec{H}_{varvec{infty }}/varvec{l}_{varvec{2}} -varvec{l}_{varvec{infty }}$$ H âˆž. Nonlinear Dynamics, 2018, 91, 641-654.	5.2	14
49	Finiteâ€time energyâ€toâ€peak quantized filtering for Markov jump networked systems under weighted tryâ€onceâ€discard protocol. International Journal of Robust and Nonlinear Control, 2021, 31, 4951-4964.	3.7	14
50	A versatile biomimetic multienzyme cascade nanoplatform based on boronic acid-modified metalâ€“organic framework for colorimetric biosensing. Journal of Materials Chemistry B, 2022, 10, 3444-3451.	5.8	12
51	$$H_{infty }$$ Filtering for Markov Jump Neural Networks Subject to Hidden-Markov Mode Observation and Packet Dropouts via an Improved Activation Function Dividing Method. Neural Processing Letters, 2020, 51, 1939-1955.	3.2	10
52	Protein FT-IR amide bands are beneficial to bacterial typing. International Journal of Biological Macromolecules, 2022, 207, 358-364.	7.5	7
53	Mixed â„‹âˆž and â„‹2 â€” â„‹âˆž Anti-synchronization Control for Chaotic Delayed Recurrent Neural Networks. International Journal of Control, Automation and Systems, 2019, 17, 3158-3169.	2.7	6
54	Sampled-Data Control for Fuzzy Markovian Jump Systems With Actuator Saturation. IEEE Access, 2019, 7, 180417-180427.	4.2	6

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55	$$H_{infty }$$ H â^ž 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
56	Simultaneous detection of multiple phenolic compounds in fish by gas chromatography-mass spectrometry following a modified QuEChERS cleanup. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2022, 39, 1136-1148.	2.3	5
57	Multi-touch gesture recognition algorithm of vehicle electronic devices-based on Bezier curve optimization strategy. , 2017, , .		3
58	Passivity-based control for T-S fuzzy systems via an event-triggered mechanism. , 2016, , .		0
59	Passivity-based synchronization via sampled-data control scheme. , 2017, , .		0
60	Fault-Tolerant Sampled-Data Synchronization of Chaotic Systems with Random Occurring Uncertainties: A Semi-Markov Jump Model Approach. Studies in Systems, Decision and Control, 2021, , 83-102.	1.0	0