

Bo Shen

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

5,008

citations

38

h-index

70

g-index

89

ext. papers

6,421

ext. citations

5

avg, IF

6.74

L-index

#	Paper	IF	Citations
83	Distributed . <i>Automatica</i> , 2010 , 46, 1682-1688	5.7	380
82	A novel swarm intelligence optimization approach: sparrow search algorithm. <i>Systems Science and Control Engineering</i> , 2020 , 8, 22-34	2	335
81	Bounded H ₂ synchronization and state estimation for discrete time-varying stochastic complex networks over a finite horizon. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 145-57		235
80	Sampled-Data Synchronization Control of Dynamical Networks With Stochastic Sampling. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2644-2650	5.9	233
79	Event-triggered consensus control for discrete-time stochastic multi-agent systems: The input-to-state stability in probability. <i>Automatica</i> , 2015 , 62, 284-291	5.7	215
78	H ₂ filtering with randomly occurring sensor saturations and missing measurements. <i>Automatica</i> , 2012 , 48, 556-562	5.7	201
77	H ₂ state estimation for complex networks with uncertain inner coupling and incomplete measurements. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 2027-37	10.3	187
76	Finite-Horizon H ₂ Filtering With Missing Measurements and Quantization Effects. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 1707-1718	5.9	180
75	Event-Triggered State Estimation for Discrete-Time Multidelayed Neural Networks With Stochastic Parameters and Incomplete Measurements. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1152-1163	10.3	164
74	Synchronization Control for A Class of Discrete Time-Delay Complex Dynamical Networks: A Dynamic Event-Triggered Approach. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1979-1986	10.2	156
73	Event-triggered H ₂ state estimation for discrete-time stochastic genetic regulatory networks with Markovian jumping parameters and time-varying delays. <i>Neurocomputing</i> , 2016 , 174, 912-920	5.4	144
72	Envelope-constrained H ₂ filtering with fading measurements and randomly occurring nonlinearities: The finite horizon case. <i>Automatica</i> , 2015 , 55, 37-45	5.7	141
71	Finite-Horizon H_{∞} Control for Discrete Time-Varying Systems With Randomly Occurring Nonlinearities and Fading Measurements. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2488-2493	5.9	138
70	On Nonlinear H_{∞} Filtering for Discrete-Time Stochastic Systems With Missing Measurements. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2170-2180	5.9	134
69	State-Saturated Recursive Filter Design for Stochastic Time-Varying Nonlinear Complex Networks Under Deception Attacks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 3788-3800	10.3	108
68	Variance-constrained H ₂ control for a class of nonlinear stochastic discrete time-varying systems: The event-triggered design. <i>Automatica</i> , 2016 , 72, 28-36	5.7	103
67	Finite-horizon filtering for a class of nonlinear time-delayed systems with an energy harvesting sensor. <i>Automatica</i> , 2019 , 100, 144-152	5.7	89

66	state estimation with fading measurements, randomly varying nonlinearities and probabilistic distributed delays. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 2180-2195	3.6	85
65	Recursive distributed filtering over sensor networks on GilbertElliott channels: A dynamic event-triggered approach. <i>Automatica</i> , 2020 , 113, 108681	5.7	82
64	Event-triggered multi-rate fusion estimation for uncertain system with stochastic nonlinearities and colored measurement noises. <i>Information Fusion</i> , 2017 , 36, 313-320	16.7	80
63	Event-Triggered State Estimation for Delayed Stochastic Memristive Neural Networks With Missing Measurements: The Discrete Time Case. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3726-3737	10.3	79
62	Fusion estimation for multi-rate linear repetitive processes under weighted try-once-discard protocol. <i>Information Fusion</i> , 2020 , 55, 281-291	16.7	79
61	Recent advances on filtering and control for cyber-physical systems under security and resource constraints. <i>Journal of the Franklin Institute</i> , 2016 , 353, 2451-2466	4	77
60	Stabilization for sampled-data systems under noisy sampling interval. <i>Automatica</i> , 2016 , 63, 162-166	5.7	73
59	Quantized/Saturated Control for Sampled-Data Systems Under Noisy Sampling Intervals: A Confluent Vandermonde Matrix Approach. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 4753-4759	5.9	72
58	Distributed State-Saturated Recursive Filtering Over Sensor Networks Under Round-Robin Protocol. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3605-3615	10.2	72
57	Security-guaranteed filtering for discrete-time stochastic delayed systems with randomly occurring sensor saturations and deception attacks. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 1194-1208	3.6	66
56	Event-triggered synchronization control for complex networks with uncertain inner coupling. <i>International Journal of General Systems</i> , 2015 , 44, 212-225	2.1	65
55	Exponential Synchronization for Delayed Dynamical Networks via Intermittent Control: Dealing With Actuator Saturations. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1000-1012	10.3	62
54	Delay-Distribution-Dependent H State Estimation for Discrete-Time Memristive Neural Networks With Mixed Time-Delays and Fading Measurements. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 440-451	10.2	62
53	Stability analysis for discrete-time stochastic memristive neural networks with both leakage and probabilistic delays. <i>Neural Networks</i> , 2018 , 102, 1-9	9.1	55
52	Robust recursive filtering for uncertain stochastic systems with amplify-and-forward relays. <i>International Journal of Systems Science</i> , 2020 , 51, 1188-1199	2.3	54
51	Sampled-data HFiltering for stochastic genetic regulatory networks. <i>International Journal of Robust and Nonlinear Control</i> , 2011 , 21, 1759-1777	3.6	54
50	Finite-time resilient H state estimation for discrete-time delayed neural networks under dynamic event-triggered mechanism. <i>Neural Networks</i> , 2020 , 121, 356-365	9.1	54
49	A novel electrochemical biosensor for ultrasensitive and specific detection of DNA based on molecular beacon mediated circular strand displacement and rolling circle amplification. <i>Biosensors and Bioelectronics</i> , 2014 , 62, 274-9	11.8	45

48	Guaranteed cost control for uncertain nonlinear systems with mixed time-delays: The discrete-time case. <i>European Journal of Control</i> , 2018 , 40, 62-67	2.5	44
47	state estimation for discrete-time memristive recurrent neural networks with stochastic time-delays. <i>International Journal of General Systems</i> , 2016 , 45, 633-647	2.1	43
46	Unknown input and state estimation for linear discrete-time systems with missing measurements and correlated noises. <i>International Journal of General Systems</i> , 2016 , 45, 648-661	2.1	40
45	A sampled-data approach to distributed H_∞ -resilient state estimation for a class of nonlinear time-delay systems over sensor networks. <i>Journal of the Franklin Institute</i> , 2017 , 354, 7139-7157	4	37
44	Centralized security-guaranteed filtering in multirate-sensor fusion under deception attacks. <i>Journal of the Franklin Institute</i> , 2018 , 355, 406-420	4	36
43	Event-triggered H_∞ state estimation for discrete-time neural networks with mixed time delays and sensor saturations. <i>Neural Computing and Applications</i> , 2017 , 28, 3815-3825	4.8	35
42	Event-triggered H_∞ state estimation for state-saturated complex networks subject to quantization effects and distributed delays. <i>Journal of the Franklin Institute</i> , 2018 , 355, 2874-2891	4	30
41	State estimation for neural networks with Markov-based nonuniform sampling: The partly unknown transition probability case. <i>Neurocomputing</i> , 2019 , 357, 261-270	5.4	28
40	State-saturated H_∞ filtering with randomly occurring nonlinearities and packet dropouts: the finite-horizon case. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 1803-1821	3.6	24
39	A survey on the applications of the Krein-space theory in signal estimation. <i>Systems Science and Control Engineering</i> , 2014 , 2, 143-149	2	24
38	Recursive Filtering with Measurement Fading: A Multiple Description Coding Scheme. <i>IEEE Transactions on Automatic Control</i> , 2020 , 1-1	5.9	24
37	An event-triggered approach to distributed H_∞ state estimation for state-saturated systems with randomly occurring mixed delays. <i>Journal of the Franklin Institute</i> , 2018 , 355, 3104-3121	4	23
36	A fault detection scheme for linear discrete-time systems with an integrated online performance evaluation. <i>International Journal of Control</i> , 2014 , 87, 2511-2521	1.5	23
35	A dynamically event-triggered approach to recursive filtering with censored measurements and parameter uncertainties. <i>Journal of the Franklin Institute</i> , 2019 , 356, 8870-8889	4	22
34	H_∞ finite-horizon filtering for complex networks with state saturations: The weighted try-once-discard protocol. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 2096-2111	3.6	17
33	Pinning synchronization control for a class of discrete-time switched stochastic complex networks under event-triggered mechanism. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020 , 37, 100886	4.5	16
32	H_∞ state estimation for multi-rate artificial neural networks with integral measurements: A switched system approach. <i>Information Sciences</i> , 2020 , 539, 434-446	7.7	15
31	Nonfragile H_∞ filtering for discrete multirate time-delayed systems over sensor networks characterized by Gilbert-Elliott models. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 3194-3214	3.6	15

30	Outlier-Resistant Recursive Filtering for Multisensor Multirate Networked Systems Under Weighted Try-Once-Discard Protocol. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4897-4908	10.2	15
29	Genetic algorithm-based compliant robot path planning: an improved Bi-RRT-based initialization method. <i>Assembly Automation</i> , 2017 , 37, 261-270	2.1	13
28	(H _∞) state estimation for discrete-time stochastic memristive BAM neural networks with mixed time-delays. <i>International Journal of Machine Learning and Cybernetics</i> , 2019 , 10, 771-785	3.8	12
27	l-l state estimation for delayed artificial neural networks under high-rate communication channels with Round-Robin protocol. <i>Neural Networks</i> , 2020 , 124, 170-179	9.1	11
26	Fusion estimation for a class of multi-rate power systems with randomly occurring SCADA measurement delays. <i>Automatica</i> , 2021 , 125, 109408	5.7	11
25	Robust Recursive Filtering for Stochastic Systems With Time-Correlated Fading Channels. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-11	7.3	11
24	H _∞ filtering for multi-rate multi-sensor systems with randomly occurring sensor saturations under the p-persistent CSMA protocol. <i>IET Control Theory and Applications</i> , 2020 , 14, 1255-1265	2.5	10
23	Dynamic state estimation for islanded microgrids with multiple fading measurements. <i>Neurocomputing</i> , 2020 , 406, 196-203	5.4	9
22	An event-triggered approach to robust recursive filtering for stochastic discrete time-varying spatial-temporal systems. <i>Signal Processing</i> , 2018 , 145, 91-98	4.4	8
21	Recursive Fault Estimation With Energy Harvesting Sensors and Uniform Quantization Effects. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 926-929	7	7
20	Event-based recursive filtering for a class of nonlinear stochastic parameter systems over fading channels. <i>International Journal of General Systems</i> , 2018 , 47, 401-415	2.1	5
19	Event-triggered stabilisation for switched delayed differential systems: the input-to-state stability. <i>IET Control Theory and Applications</i> , 2020 , 14, 1711-1721	2.5	4
18	Event-Triggering State and Fault Estimation for a Class of Nonlinear Systems Subject to Sensor Saturations. <i>Sensors</i> , 2021 , 21,	3.8	4
17	Robust fusion filtering over multisensor systems with energy harvesting constraints. <i>Automatica</i> , 2021 , 131, 109782	5.7	4
16	Robust reliable . <i>Journal of the Franklin Institute</i> , 2015 , 352, 2280-2296	4	3
15	Recursive State Estimation for Networked Multirate Multisensor Systems With Distributed Time-Delays Under Round-Robin Protocol. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	3
14	On mean-square H _∞ control for discrete-time nonlinear stochastic systems with (x, u, v)-dependent noises. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 882-893	3.6	3
13	Distributed state estimation for renewable energy microgrids with sensor saturations. <i>Automatica</i> , 2021 , 131, 109730	5.7	3

12	Non-fragile H _∞ control for body slip angle of electric vehicles with onboard vision systems: The dynamic event-triggering approach. <i>Journal of the Franklin Institute</i> , 2020 , 357, 2008-2027	4	2
11	A Resilient Approach to Recursive Distributed Filtering for Multirate Systems Over Sensor Networks With Time-Correlated Fading Channels. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2021 , 7, 636-647	2.8	2
10	Recursive filtering for mobile robot localization under an energy harvesting sensor. <i>Asian Journal of Control</i> ,	1.7	2
9	Partial-neurons-based state estimation for delayed neural networks with state-dependent noises under redundant channels. <i>Information Sciences</i> , 2021 , 547, 931-944	7.7	2
8	State-of-charge estimation for Li-ion batteries with uncertain parameters and uncorrelated/correlated noises: a recursive approach. <i>International Journal of Systems Science</i> , 2021 , 52, 1675-1691	2.3	2
7	Synchronization and state estimation for discrete-time coupled delayed complex-valued neural networks with random system parameters.. <i>Neural Networks</i> , 2022 , 150, 181-193	9.1	2
6	Distributed sampled-data state estimation for sensor networks with nonuniform samplings 2017 ,		1
5	A new elite opposite sparrow search algorithm-based optimized LightGBM approach for fault diagnosis.. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022 , 1-19	3.7	1
4	Stubborn state estimation for complex-valued neural networks with mixed time delays: the discrete time case. <i>Neural Computing and Applications</i> ,1	4.8	1
3	Event-based fusion estimation for multi-rate systems subject to sensor degradations. <i>Journal of the Franklin Institute</i> , 2021 , 358, 8754-8754	4	1
2	Fusion estimation for stochastic uncertain systems with time-correlated rician fading channels. <i>Journal of the Franklin Institute</i> , 2022 , 359, 2340-2340	4	0
1	Recursive filtering for a class of uncertain complex-valued stochastic systems. <i>Systems Science and Control Engineering</i> , 2020 , 8, 650-659	2	