

Bo Shen

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89
papers

3,608
citations

33
h-index

59
g-index

106
ext. papers

4,714
ext. citations

3.9
avg, IF

6.46
L-index

#	Paper	IF	Citations
89	A novel swarm intelligence optimization approach: sparrow search algorithm. <i>Systems Science and Control Engineering</i> , 2020 , 8, 22-34	2	335
88	Quantised recursive filtering for a class of nonlinear systems with multiplicative noises and missing measurements. <i>International Journal of Control</i> , 2013 , 86, 650-663	1.5	301
87	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
86	Sampled-Data Synchronization Control of Dynamical Networks With Stochastic Sampling. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2644-2650	5.9	233
85	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
84	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
83	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
82	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
81	Gain-Constrained Recursive Filtering With Stochastic Nonlinearities and Probabilistic Sensor Delays. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 1230-1238	4.8	115
80	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
79	Event-triggered distributed H_2 state estimation with packet dropouts through sensor networks. <i>IET Control Theory and Applications</i> , 2015 , 9, 1948-1955	2.5	102
78	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
77	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
76	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
75	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
74	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
73	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

72	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
71	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
70	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
69	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
68	Sampled-data H Filtering for stochastic genetic regulatory networks. <i>International Journal of Robust and Nonlinear Control</i> , 2011 , 21, 1759-1777	3.6	54
67	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
66	Recent advances on distributed filtering for stochastic systems over sensor networks. <i>International Journal of General Systems</i> , 2014 , 43, 372-386	2.1	51
65	Probability-dependent gain-scheduled control for discrete stochastic delayed systems with randomly occurring nonlinearities. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 815-826	3.6	45
64	Robust distributed state estimation for sensor networks with multiple stochastic communication delays. <i>International Journal of Systems Science</i> , 2011 , 42, 1459-1471	2.3	43
63	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
62	H Filtering for uncertain time-varying systems with multiple randomly occurred nonlinearities and successive packet dropouts. <i>International Journal of Robust and Nonlinear Control</i> , 2011 , 21, 1693-1709	3.6	42
61	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
60	Finite-Horizon H_{∞} Fault Estimation for Uncertain Linear Discrete Time-Varying Systems With Known Inputs. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2013 , 60, 902-906	3.5	39
59	Receding horizon filtering for a class of discrete time-varying nonlinear systems with multiple missing measurements. <i>International Journal of General Systems</i> , 2015 , 44, 198-211	2.1	36
58	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
57	Probability-Dependent Gain-Scheduled Filtering for Stochastic Systems With Missing Measurements. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2011 , 58, 753-757	3.5	34
56	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
55	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

54	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
53	Recursive Filtering with Measurement Fading: A Multiple Description Coding Scheme. <i>IEEE Transactions on Automatic Control</i> , 2020 , 1-1	5.9	24
52	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
51	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
50	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
49	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
48	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
47	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
46	Error-constrained finite-horizon tracking control with incomplete measurements and bounded noises. <i>International Journal of Robust and Nonlinear Control</i> , 2012 , 22, 223-238	3.6	12
45	Recent Advances on Filtering and Control for Nonlinear Stochastic Complex Systems with Incomplete Information: A Survey. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-16	1.1	12
44	(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
43	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
42	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
41	Reliable H _∞ filtering for stochastic spatial-temporal systems with sensor saturations and failures. <i>IET Control Theory and Applications</i> , 2015 , 9, 2590-2597	2.5	10
40	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
39	Dynamic state estimation for islanded microgrids with multiple fading measurements. <i>Neurocomputing</i> , 2020 , 406, 196-203	5.4	9
38	A beetle antennae search algorithm based on Levy flights and adaptive strategy. <i>Systems Science and Control Engineering</i> , 2020 , 8, 35-47	2	8
37	Event-triggered consensus control for a class of discrete-time stochastic multi-agent systems 2014 ,		7

36	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
35	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
34	Distributed estimation and control for general systems. <i>International Journal of General Systems</i> , 2014 , 43, 247-253	2.1	5
33	Visual object tracking: in the simultaneous presence of scale variation and occlusion. <i>Systems Science and Control Engineering</i> , 2018 , 6, 456-466	2	5
32	People counting and pedestrian flow statistics based on convolutional neural network and recurrent neural network 2018 ,		4
31	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
30	Event-Triggering State and Fault Estimation for a Class of Nonlinear Systems Subject to Sensor Saturations. <i>Sensors</i> , 2021 , 21,	3.8	4
29	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
28	Finite-Horizon Distributed H _∞ Fault Estimation for Time-Varying Systems in Sensor Networks: A Krein-Space Approach. <i>IFAC-PapersOnLine</i> , 2015 , 48, 48-53	0.7	3
27	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
26	An improved constrained multi-objective optimization evolutionary algorithm for carbon fibre drawing process. <i>Systems Science and Control Engineering</i> , 2019 , 7, 133-145	2	2
25	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
24	Fuzzy-Logic-Based Control, Filtering, and Fault Detection for Networked Systems: A Survey. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-11	1.1	2
23	Event-triggered H _∞ filtering for networked systems with fading channels 2014 ,		2
22	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
21	Recursive filtering for mobile robot localization under an energy harvesting sensor. <i>Asian Journal of Control</i> ,	1.7	2
20	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
19	Local Stabilization for Multiple Input-Delay Systems subject to Saturating Actuators: The Continuous-time Case. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	2

18	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
17	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
16	Distributed input and state estimation for linear discrete-time systems in sensor networks with missing measurements 2016 ,		1
15	Nonlinear Analysis of Dynamical Complex Networks 2014. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-4	0.7	1
14	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
13	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
12	Synchronization of Interconnected Boolean Networks With Stochastic Function Perturbations* 2019 ,		1
11	Model Evaluation of the Stochastic Boolean Control Networks. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	1
10	Mean-square exponential stability for the hysteretic Hopfield neural networks with stochastic disturbances. <i>Systems Science and Control Engineering</i> , 2018 , 6, 547-553	2	1
9	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
8	Distributed Recursive Filtering over Sensor Networks with Non-Logarithmic Sensor Resolution. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	1
7	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
6	Recursive filtering for a class of uncertain complex-valued stochastic systems. <i>Systems Science and Control Engineering</i> , 2020 , 8, 650-659	2	
5	Networked Systems with Incomplete Information. <i>Abstract and Applied Analysis</i> , 2015 , 2015, 1-4	0.7	
4	Mathematical Control of Complex Systems 2013. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-4	1.1	
3	Corrigendum to Error-constrained finite-horizon tracking control with incomplete measurements and bounded noises[International Journal of Robust and Nonlinear Control, 2012; 22(2): 223-238]. <i>International Journal of Robust and Nonlinear Control</i> , 2012 , 22, 239-240	3.6	
2	Mathematical Control of Complex Systems. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-4	1.1	
1	Nonlinear Analysis of Dynamical Complex Networks. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-3	0.7	

