Li Sheng

List of Publications by Year
in descending order

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72	1,129	361296	414303
papers	citations	20	32
		h-index	g-index

73	73	73	739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimation of Toolface for Dynamic Point-the-bit Rotary Steerable Systems via Nonlinear Polynomial Filtering. IEEE Transactions on Industrial Electronics, 2022, 69, 7192-7201.	5.2	27
2	Distributed Intermittent Fault Detection for Linear Stochastic Systems Over Sensor Network. IEEE Transactions on Cybernetics, 2022, 52, 9208-9218.	6.2	24
3	Fault-tolerant state estimation for stochastic systems over sensor networks with intermittent sensor faults. Applied Mathematics and Computation, 2022, 416, 126723.	1.4	5
4	Sensor fault detection for dynamic pointâ€theâ€bit rotary steerable system via finiteâ€frequency domain observer and zonotope residual evaluation. IET Control Theory and Applications, 2022, 16, 429-442.	1.2	4
5	Centralized movingâ€horizon estimation for a class ofÂnonlinear dynamical complex networks under eventâ€triggered transmission scheme. International Journal of Robust and Nonlinear Control, 2022, 32, 3872-3889.	2.1	1
6	Distributed Fault-Tolerant State Estimation for a Class of Nonlinear Systems Over Sensor Networks With Sensor Faults and Random Link Failures. IEEE Systems Journal, 2022, 16, 6328-6337.	2.9	6
7	A Feature Weighted Mixed Naive Bayes Model for Monitoring Anomalies in the Fan System of a Thermal Power Plant. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 719-727.	8.5	12
8	Sensor fault detection and minimum detectable fault analysis for dynamic point-the-bit rotary steerable system. ISA Transactions, 2022, 127, 108-119.	3.1	8
9	Minimal-order observer-based distributed fault detection and isolation for stochastic multi-agent systems. Journal of the Franklin Institute, 2022, 359, 5056-5077.	1.9	3
10	Adaptive fault-tolerant control for nonlinear high-order fully-actuated systems. Neurocomputing, 2022, 495, 75-85.	3.5	21
11	Federated strong tracking filtering for nonlinear systems with multiple sensors. Transactions of the Institute of Measurement and Control, 2022, 44, 3141-3153.	1.1	1
12	Finite-horizon H_{â^ž} state estimation for time-varying complex networks based on the outputs of partial nodes. Systems Science and Control Engineering, 2021, 9, 48-59.	1.8	5
13	Fault estimation for nonlinear systems with sensor gain degradation and stochastic protocol based on strong tracking filtering. Systems Science and Control Engineering, 2021, 9, 60-70.	1.8	19
14	Dynamic Event-Triggered State Estimation for Continuous-Time Polynomial Nonlinear Systems With External Disturbances. IEEE Transactions on Industrial Informatics, 2021, 17, 3962-3970.	7.2	48
15	Consensusâ€based unscented Kalman filtering over sensor networks with communication protocols. International Journal of Robust and Nonlinear Control, 2021, 31, 6349-6368.	2.1	7
16	Intermittent fault detection for delayed stochastic systems over sensor networks. Journal of the Franklin Institute, 2021, 358, 6878-6896.	1.9	5
17	Intermittent fault detection for linear discrete-time stochastic multi-agent systems. Applied Mathematics and Computation, 2021, 410, 126480.	1.4	10
18	State Estimation for Stochastic Systems with Coding-Decoding Scheme and Packet Dropouts. , 2021, , .		0

#	Article	IF	Citations
19	Fault Detection in Finite Frequency Domain for Networked Multi-Rate Systems under Stochastic Communication Protocol. , 2021, , .		0
20	Particle Filtering for Nonlinear Systems with Round-Robin Protocol and Uniform Quantization. , 2021, , .		0
21	Adaptive Tracking Control for Rotary Steerable System with Sensor Faults. , 2021, , .		0
22	Finite-Time H_{â^ž} Control for Discrete-time Drilling Toolface System with (x, v)-dependent Noises. , 2021, , .		0
23	Cubature Kalman Filtering for Dynamic Pointing Rotary Steerable System Based on Dynamic Event-Triggering Mechanism. , 2021, , .		0
24	Detection of Intermittent Fault for Stochastic Multi-Agent Systems with Time-Delay. , 2021, , .		0
25	Distributed fault estimation for delayed complex networks with Round-Robin protocol based on unknown input observer. Journal of the Franklin Institute, 2020, 357, 8678-8702.	1.9	27
26	Polynomial filtering for nonlinear stochastic systems with stateâ€•and disturbanceâ€•dependent noises. International Journal of Robust and Nonlinear Control, 2020, 30, 4726-4743.	2.1	6
27	Dynamic Stationary Subspace Analysis for Monitoring Nonstationary Dynamic Processes. Industrial & Engineering Chemistry Research, 2020, 59, 20787-20797.	1.8	24
28	Intermittent fault detection for discreteâ€•time linear stochastic systems with time delay. IET Control Theory and Applications, 2020, 14, 511-518.	1.2	12
29	Distributed Fault Diagnosis for a Class of Time-Varying Systems over Sensor Networks with Stochastic Protocol. IFAC-PapersOnLine, 2020, 53, 778-783.	0.5	0
30	Intermittent Fault Detection for Nonlinear Stochastic Systems. IFAC-PapersOnLine, 2020, 53, 694-698.	0.5	0
31	Hâ^ž consensus control with spectrum constraints for stochastic multi-agent systems subject to (x, u,) Tj ETQq1 1 0.784314 rgBT /Ov	1.4	2
32	Distributed Fault Estimation for Time-Varying Multi-Agent Systems With Sensor Faults and Partially Decoupled Disturbances. IEEE Access, 2019, 7, 147905-147913.	2.6	14
33	Fault diagnosis for time-varying systems with multiplicative noises over sensor networks subject to Round-Robin protocol. Neurocomputing, 2019, 346, 65-72.	3.5	33
34	Sensor Fault Detection and Isolation in Toolface Control of Rotary Steerable Drilling System. , 2019, , .		3
35	Intelligent Fault Diagnosis Method for Coupling Rotating Machinery Based on Deep Convolutional Neural Network. , 2019, , .		0
36	Static Output Feedback Hâ^ž Control with Spectrum Constraints for Stochastic Systems Subject to (x,u,v)-Dependent Noises and Packet Dropouts. , 2019, , .		0

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37	Global Smooth Path Planning for Mobile Robots Using a Novel Adaptive Particle Swarm Optimization. , 2019, , .		2
38	On meanâ€square H_{â^ž} control for discreteâ€time nonlinear stochastic systems with (x, u, v)â€dependent noises. International Journal of Robust and Nonlinear Control, 2019, 29, 882-893.	2.1	5
39	Distributed resilient filtering for time-varying systems over sensor networks subject to Round-Robin/stochastic protocol. ISA Transactions, 2019, 87, 55-67.	3.1	37
40	Reliable Data Fusion of Hierarchical Wireless Sensor Networks With Asynchronous Measurement for Greenhouse Monitoring. IEEE Transactions on Control Systems Technology, 2019, 27, 1036-1046.	3.2	77
41	Uniform Quantized Synchronization for Chaotic Neural Networks with Successive Packet Dropouts. Asian Journal of Control, 2019, 21, 639-646.	1.9	7
42	Event-based Hâ^ž fault estimation for networked time-varying systems with randomly occurring nonlinearities and (x, v)-dependent noises. Neurocomputing, 2018, 285, 220-229.	3.5	10
43	Static output feedback H₂/H_{â^ž} control with spectrum constraints for stochastic systems subject to multiplicative noises. Systems Science and Control Engineering, 2018, 6, 118-125.	1.8	1
44	Iterative learning fault-tolerant control for networked batch processes with event-triggered transmission strategy and data dropouts. Systems Science and Control Engineering, 2018, 6, 44-53.	1.8	11
45	State estimation for neural networks with random delays and stochastic communication protocol. Systems Science and Control Engineering, 2018, 6, 54-63.	1.8	7
46	Finite-horizon state estimation for time-varying complex networks with random coupling strengths under Round-Robin protocol. Journal of the Franklin Institute, 2018, 355, 7417-7442.	1.9	22
47	Iterative Learning Fault-Tolerant Control for Networked Batch Processes with Multirate Sampling and Quantization Effects. Industrial & Engineering Chemistry Research, 2017, 56, 2515-2525.	1.8	26
48	Event-based fault detection for Tâ€“S fuzzy systems with packet dropouts and (x, v)-dependent noises. Signal Processing, 2017, 138, 211-219.	2.1	12
49	Output-feedback <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si10.gif" display="inline" id="mml10" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> control for stochastic time-varying multi-agent systems with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.gif" disp. Systems and Control Letters, 2017, 107, 58-67.	1.3	24
50	Event-Based $H_infty $ State Estimation for Time-Varying Stochastic Dynamical Networks With State- and Disturbance-Dependent Noises. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2382-2394.	7.2	52
51	Fault detection for networked control systems with (x, v)-dependent noises and multiple packet dropouts. , 2017, , .		1
52	Distributed consensus-based unscented Kalman filtering with missing measurements. , 2017, , .		2
53	Delay-dependent Hâ^ž synchronization for chaotic neural networks with network-induced delays and packet dropouts. Neurocomputing, 2016, 214, 7-15.	3.5	22
54	Delay-distribution-dependentHâ^žstate estimation for delayed neural networks with(x,v)-dependent noises and fading channels. Neural Networks, 2016, 84, 102-112.	3.3	22

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55	Output-Feedback Control for Nonlinear Stochastic Systems With Successive Packet Dropouts and Uniform Quantization Effects. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, , 1-11.	5.9	30
56	Robust <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0006.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mo>â^ž</mml:mo></mml:mrow></ control for Tâ€“S fuzzy systems subject to missing measurements with uncertain missing probabilities. Neurocomputing, 2016, 193, 235-241.	3.5	18
57	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"	3.5	15
58	Stochastic H2/Hâ^ž control of nonlinear systems with time-delay and state-dependent noise. Applied Mathematics and Computation, 2015, 266, 429-440.	1.4	46
59	Some remarks on stability of stochastic singular systems with state-dependent noise. Automatica, 2015, 51, 273-277.	3.0	130
60	Infinite horizon <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" xmlns:ce="http://www.elsevier.com/x	1.6	19
61	Dissipative control for Markov jump non-linear stochastic systems based on Tâ€“S fuzzy model. International Journal of Systems Science, 2014, 45, 1213-1224.	3.7	31
62	Mixed H 2 / H â^ž control of timeâ€varying stochastic discreteâ€time systems under uniform detectability. IET Control Theory and Applications, 2014, 8, 1866-1874.	1.2	10
63	Finite horizonH₂/H_{â^ž}control of timeâ€varying stochastic systems with Markov jumps and (x,u,v)â€dependent noise. IET Control Theory and Applications, 2014, 8, 1354-1363.	1.2	14
64	Exact detectability of linear discrete-time time-varying stochastic systems. , 2014, , .		0
65	Fuzzy approach to H<inf>∞</inf> filtering for delayed nonlinear stochastic systems. , 2014, , .		0
66	Some Remarks on General Nonlinear Stochastic $H_{infty }$ Control With State, Control, and Disturbance-Dependent Noise. IEEE Transactions on Automatic Control, 2014, 59, 237-242.	3.6	36
67	Relationship Between Nash Equilibrium Strategies and <inline-formula> <tex-math notation="TeX">H_{2}/H_{infty}</tex-math></inline-formula> Control of Stochastic Markov Jump Systems With Multiplicative Noise. IEEE Transactions on Automatic Control, 2014, 59, 2592-2597.	3.6	92
68	Spectral characterisation for stability and stabilisation of linear stochastic systems with Markovian switching and its applications. IET Control Theory and Applications, 2013, 7, 730-737.	1.2	8
69	Robust stability of Markovian jump discrete-time neural networks with partly unknown transition probabilities and mixed mode-dependent delays. International Journal of Systems Science, 2013, 44, 252-264.	3.7	8
70	Multiperiodicity and attractivity analysis for a class of high-order Cohen-Grossberg neural networks. , 2012, , .		1
71	Delay-dependent stability for uncertain stochastic neural networks with distributed delays. , 2012, , .		0
72	RobustH2/Hâ^žFilter Design for a Class of Nonlinear Stochastic Systems with State-Dependent Noise. Mathematical Problems in Engineering, 2012, 2012, 1-16.	0.6	4