Licheng Wang

List of Publications by Year
in descending order

34 papers	1,061 citations	394421 19 h-index	526287 27 g-index
34 all docs	34 docs citations	34 times ranked	582 citing authors

#	Article	IF	Citations
1	Synchronization Control for a Class of Discrete-Time Dynamical Networks With Packet Dropouts: A Coding–Decoding-Based Approach. IEEE Transactions on Cybernetics, 2018, 48, 2437-2448.	9.5	138
2	Finite-Time State Estimation for Recurrent Delayed Neural Networks With Component-Based Event-Triggering Protocol. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1046-1057.	11.3	124
3	Observer-Based Consensus Control for Discrete-Time Multiagent Systems With Coding–Decoding Communication Protocol. IEEE Transactions on Cybernetics, 2019, 49, 4335-4345.	9.5	106
4	Nondestructive Defect Detection in Castings by Using Spatial Attention Bilinear Convolutional Neural Network. IEEE Transactions on Industrial Informatics, 2021, 17, 82-89.	11.3	66
5	Recursive Filtering With Measurement Fading: A Multiple Description Coding Scheme. IEEE Transactions on Automatic Control, 2021, 66, 5144-5159.	5.7	57
6	Non-fragile l_2-l_∞ state estimation for time-delayed artificial neural networks: an adaptive event-triggered approach. International Journal of Systems Science, 2022, 53, 2247-2259.	5.5	51
7	On quantized $\mathscr{H}_\infty$ filtering for multi-rate systems under stochastic communication protocols: The finite-horizon case. Information Sciences, 2018, 459, 211-223.	6.9	47
8	Event-based distributed set-membership filtering for a class of time-varying non-linear systems over sensor networks with saturation effects. International Journal of General Systems, 2016, 45, 532-547.	2.5	41
9	Mixed H_2/H_∞ State Estimation for Discrete-Time Switched Complex Networks With Random Coupling Strengths Through Redundant Channels. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4130-4142.	11.3	38
10	Event-triggered control for discrete-time systems with unknown nonlinearities: an interval observer-based approach. International Journal of Systems Science, 2020, 51, 1019-1031.	5.5	37
11	Recursive Set-Membership State Estimation Over a FlexRay Network. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3591-3601.	9.3	35
12	Finite-Horizon H_∞ State Estimation for Stochastic Coupled Networks With Random Inner Couplings Using Round-Robin Protocol. IEEE Transactions on Cybernetics, 2021, 51, 1204-1215.	9.5	34
13	H_∞ Pinning Control of Complex Dynamical Networks Under Dynamic Quantization Effects: A Coupled Backward Riccati Equation Approach. IEEE Transactions on Cybernetics, 2022, 52, 7377-7387.	9.5	33
14	Event-based state estimation under constrained bit rate: An encoding–decoding approach. Automatica, 2022, 143, 110421.	5.0	32
15	Variance-constrained H_∞ state estimation for time-varying multi-rate systems with redundant channels: The finite-horizon case. Information Sciences, 2019, 501, 222-235.	6.9	31
16	Reliable H_∞ filtering for discrete piecewise linear systems with infinite distributed delays. International Journal of General Systems, 2014, 43, 346-358.	2.5	29
17	A gain-scheduled approach to fault-tolerant control for discrete-time stochastic delayed systems with randomly occurring actuator faults. Systems Science and Control Engineering, 2013, 1, 82-90.	3.1	26
18	State-of-Charge Estimation of Lithium-Ion Batteries Subject to Random Sensor Data Unavailability: A Recursive Filtering Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 5175-5184.	7.9	24

#	Article	IF	Citations
19	Probability-dependent Hˆž synchronization control for dynamical networks with randomly varying nonlinearities. Neurocomputing, 2014, 133, 369-376.	5.9	23
20	Secure Estimation Against Malicious Attacks for Lithium-Ion Batteries Under Cloud Environments. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 4237-4247.	5.4	20
21	*H* $_{âˆž}$ control for a class of multiâ€agent systems via a stochastic sampledâ€data method. IET Control Theory and Applications, 2015, 9, 2057-2065.	2.1	16
22	Joint estimation of state, parameter, and unknown input for nonlinear systems: A composite estimation scheme. International Journal of Robust and Nonlinear Control, 2021, 31, 9519-9537.	3.7	12
23	Probability-Dependent Static Output Feedback Control for Discrete-Time Nonlinear Stochastic Systems with Missing Measurements. Mathematical Problems in Engineering, 2012, 2012, 1-15.	1.1	10
24	A Novel Feature Points Tracking Algorithm in Terms of IMU-Aided Information Fusion. IEEE Transactions on Industrial Informatics, 2021, 17, 5304-5313.	11.3	8
25	Proportional-Integral Observer Design for Multirate-Networked Systems Under Constrained Bit Rate: An Encodingâ€"Decoding Mechanism. IEEE Transactions on Cybernetics, 2023, 53, 4280-4291.	9.5	8
26	Finite-Horizon H_{infty} Filtering via a High-Rate Network With the FlexRay Protocol. IEEE Transactions on Automatic Control, 2023, 68, 3596-3603.	5.7	7
27	Deconvolution Filtering for Nonlinear Stochastic Systems with Randomly Occurring Sensor Delays via Probability-Dependent Method. Abstract and Applied Analysis, 2013, 2013, 1-12.	0.7	6
28	Event-based state estimation for a class of nonlinear discrete-time complex networks with stochastic noises. , 2015, , .		2
29	Gain-scheduled control for 2D stochastic time-delay systems with missing measurement. , 2014, , .		0
30	Fairness Analysis for Multiparty Nonrepudiation Protocols Based on Improved Strand Space. Discrete Dynamics in Nature and Society, 2014, 2014, 1-7.	0.9	0
31	An event-triggered approach to state estimation for neural networks with individual triggering thresholds. , 2016, , .		0
32	Variance-constrained H $_{âˆž}$ filtering for stochastic parameter systems under event-triggered protocol. , 2017, , .		0
33	Pinning Synchronization Control for a Class of Dynamical Networks with Coupled Time-Varying Delays: An Interval-Observer-Based Approach. Circuits, Systems, and Signal Processing, 2021, 40, 154-173.	2.0	0
34	Innovation-Modified Kalman Filtering for A Class of Stochastic Nonlinear Systems. , 2019, , .		0