Hongye Su

List of Publications by Citations

129 papers	6,629 citations	46 h-index	80 g-index
140 ext. papers	7,883 ext. citations	5.7 avg, IF	6.61 L-index

#	Paper	IF	Citations
129	Asynchronous . *Automatica*, **2014**, 50, 180-186	5.7	472
128	Stochastic synchronization of Markovian jump neural networks with time-varying delay using sampled data. *IEEE Transactions on Cybernetics*, **2013**, 43, 1796-806	10.2	468
127	Passivity-Based Asynchronous Control for Markov Jump Systems. *IEEE Transactions on Automatic Control*, **2017**, 62, 2020-2025	5.9	321
126	Passivity analysis for discrete-time stochastic Markovian jump neural networks with mixed time delays. *IEEE Transactions on Neural Networks*, **2011**, 22, 1566-75		312
125	Exponential synchronization of neural networks with discrete and distributed delays under time-varying sampling. *IEEE Transactions on Neural Networks and Learning Systems*, **2012**, 23, 1368-76	10.3	221
124	. *IEEE Transactions on Fuzzy Systems*, **2014**, 22, 153-163	8.3	210
123	Sampled-data exponential synchronization of complex dynamical networks with time-varying coupling delay. *IEEE Transactions on Neural Networks and Learning Systems*, **2013**, 24, 1177-87	10.3	178
122	Local synchronization of chaotic neural networks with sampled-data and saturating actuators. *IEEE Transactions on Cybernetics*, **2014**, 44, 2635-45	10.2	145
121	Reliable H_infty Control for Discrete-Time Fuzzy Systems With Infinite-Distributed Delay. *IEEE Transactions on Fuzzy Systems*, **2012**, 20, 22-31	8.3	145
120	Sampled-data synchronization of chaotic Lur\'e systems with time delays. *IEEE Transactions on Neural Networks and Learning Systems*, **2013**, 24, 410-21	10.3	139
119	Event-Triggered Output Feedback Control for a Class of Uncertain Nonlinear Systems. *IEEE Transactions on Automatic Control*, **2019**, 64, 290-297	5.9	135
118	Dissipativity-Based Sampled-Data Fuzzy Control Design and its Application to Truck-Trailer System. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 1669-1679	8.3	128
117	Output feedback control for uncertain nonlinear systems with input quantization. *Automatica*, **2016** , 65, 191-202	5.7	128
116	Fuzzy-Model-Based Nonfragile Guaranteed Cost Control of Nonlinear Markov Jump Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2388-2397	7.3	119
115	Dissipativity-Based Reliable Control for Fuzzy Markov Jump Systems With Actuator Faults. *IEEE Transactions on Cybernetics*, **2017**, 47, 2377-2388	10.2	111
114	Exponential synchronization for complex dynamical networks with sampled-data. *Journal of the Franklin Institute*, **2012**, 349, 2735-2749	4	108
113	Neural Network-Based State of Charge Observer Design for Lithium-Ion Batteries. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 313-320	4.8	104

112	Optimal Estimation in UDP-Like Networked Control Systems With Intermittent Inputs: Stability Analysis and Suboptimal Filter Design. *IEEE Transactions on Automatic Control*, **2016**, 61, 1794-1809	5.9	104
111	Exponential H∞ filtering for discrete-time switched neural networks with random delays. *IEEE Transactions on Cybernetics*, **2015**, 45, 676-87	10.2	103
110	Asynchronous Dissipative Control for Fuzzy Markov Jump Systems. *IEEE Transactions on Cybernetics* , **2018**, 48, 2426-2436	10.2	103
109	Asynchronous and Resilient Filtering for Markovian Jump Neural Networks Subject to Extended Dissipativity. *IEEE Transactions on Cybernetics*, **2019**, 49, 2504-2513	10.2	97
108	Adaptive synchronization for neutral-type neural networks with stochastic perturbation and Markovian switching parameters. *IEEE Transactions on Cybernetics*, **2014**, 44, 2848-60	10.2	89
107	Passivity-based non-fragile control for Markovian jump systems with aperiodic sampling. *Systems and Control Letters*, **2015**, 84, 35-43	2.4	85
106	Event-Based Consensus for Linear Multiagent Systems Without Continuous Communication. *IEEE Transactions on Cybernetics*, **2017**, 47, 2132-2142	10.2	84
105	Dissipativity analysis for discrete-time stochastic neural networks with time-varying delays. *IEEE Transactions on Neural Networks and Learning Systems*, **2013**, 24, 345-55	10.3	83
104	. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 1616-1628	8.3	81
103	Quantized Feedback Control of Fuzzy Markov Jump Systems. *IEEE Transactions on Cybernetics*, **2019** , 49, 3375-3384	10.2	78
102	Network-Based Robust Passive Control for Fuzzy Systems With Randomly Occurring Uncertainties. *IEEE Transactions on Fuzzy Systems*, **2013**, 21, 966-971	8.3	76
101	Network-based fuzzy control for nonlinear Markov jump systems subject to quantization and dropout compensation. *Fuzzy Sets and Systems*, **2019**, 371, 96-109	3.7	73
100	. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 782-793	8.3	66
99	Quantized Control of Markov Jump Nonlinear Systems Based on Fuzzy Hidden Markov Model. *IEEE Transactions on Cybernetics*, **2019**, 49, 2420-2430	10.2	66
98	Reliable Control of Fuzzy Systems With Quantization and Switched Actuator Failures. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2198-2208	7.3	65
97	Asynchronous Control of Continuous-Time Nonlinear Markov Jump Systems Subject to Strict Dissipativity. *IEEE Transactions on Automatic Control*, **2019**, 64, 1250-1256	5.9	65
96	Nonfragile State Estimation of Quantized Complex Networks With Switching Topologies. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 5111-5121	10.3	60
95	Synchronization of General Chaotic Neural Networks With Nonuniform Sampling and Packet Missing: A Switched System Approach. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 523-533	10.3	59

94	$mathcal H_{infty }$ Control for 2-D Markov Jump Systems in Roesser Model. *IEEE Transactions on Automatic Control*, **2019**, 64, 427-432	5.9	59
93	PID Passivity-Based Control of Port-Hamiltonian Systems. *IEEE Transactions on Automatic Control*, **2018**, 63, 1032-1044	5.9	58
92	Optimal Oxygen Excess Ratio Control for PEM Fuel Cells. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 1711-1721	4.8	57
91	Asynchronous Filtering for Markov Jump Neural Networks With Quantized Outputs. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 433-443	7.3	57
90	Hidden-Markov-Model-Based Asynchronous Filter Design of Nonlinear Markov Jump Systems in Continuous-Time Domain. *IEEE Transactions on Cybernetics*, **2019**, 49, 2294-2304	10.2	54
89	. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3368-3378	8.3	54
88	Dissipativity-Based Resilient Filtering of Periodic Markovian Jump Neural Networks With Quantized Measurements. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 1888-1899	10.3	53
87	Reachable Set Estimation for Markovian Jump Neural Networks With Time-Varying Delays. *IEEE Transactions on Cybernetics*, **2017**, 47, 3208-3217	10.2	51
86	A new adaptive control scheme for uncertain nonlinear systems with quantized input signal. *Journal of the Franklin Institute*, **2015**, 352, 5599-5610	4	50
85	Data-based short-term prognostics for proton exchange membrane fuel cells. *International Journal of Hydrogen Energy*, **2017**, 42, 20791-20808	6.7	50
84	Reliable Filtering of Nonlinear Markovian Jump Systems: The Continuous-Time Case. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 386-394	7.3	48
83	H∞filtering for discrete-time switched fuzzy systems with randomly occurring time-varying delay and packet dropouts. *Signal Processing*, **2018**, 143, 320-327	4.4	46
82	Global Pinning Synchronization of Complex Networks With Sampled-Data Communications. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 1467-1476	10.3	45
81	Exponential Synchronization via Aperiodic Sampling of Complex Delayed Networks. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 1399-1407	7.3	42
80	. *IEEE Access*, **2018**, 6, 65521-65538	3.5	42
79	Dissipativity-based asynchronous control of discrete-time Markov jump systems with mixed time delays. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 2161-2171	3.6	39
78	Codiagnosability Analysis of Bounded Petri Nets. *IEEE Transactions on Automatic Control*, **2018**, 63, 1192-1199	5.9	37
77	Adaptive Output Feedback Control for Uncertain Linear Time-Delay Systems. *IEEE Transactions on Automatic Control*, **2017**, 62, 545-560	5.9	33

76	Asynchronous Filtering of Nonlinear Markov Jump Systems With Randomly Occurred Quantization via T S Fuzzy Models. *IEEE Transactions on Fuzzy Systems*, **2017**, 1-1	8.3	33
75	Analysis and Design of Synchronization for Heterogeneous Network. *IEEE Transactions on Cybernetics*, **2018**, 48, 1253-1262	10.2	33
74	Asynchronous H control of semi-Markov jump linear systems. *Applied Mathematics and Computation*, **2019**, 349, 270-280	2.7	32
73	Structured Joint Sparse Principal Component Analysis for Fault Detection and Isolation. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 2721-2731	11.9	30
72	. *IEEE Transactions on Automatic Control*, **2017**, 62, 4564-4579	5.9	28
71	Fuzzy model-based asynchronous H filter design of discrete-time Markov jump systems. *Journal of the Franklin Institute*, **2017**, 354, 8444-8460	4	28
70	Time-varying oscillation detector based on improved LMD and robust Lempel iv complexity. *Control Engineering Practice*, **2016**, 51, 48-57	3.9	28
69	Adaptive synchronization of delayed Markovian switching neural networks with L y noise. *Neurocomputing*, **2015**, 156, 231-238	5.4	27
68	Adaptive Exponential Synchronization of Multislave Time-Delayed Recurrent Neural Networks With L y Noise and Regime Switching. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 2885-2898	10.3	27
67	Median ensemble empirical mode decomposition. *Signal Processing*, **2020**, 176, 107686	4.4	25
66	PDE Boundary Control of Multi-Input LTI Systems With Distinct and Uncertain Input Delays. *IEEE Transactions on Automatic Control*, **2018**, 63, 4270-4277	5.9	25
65	Time-Frequency Analysis of Plant-Wide Oscillations Using Multivariate Intrinsic Time-Scale Decomposition. *Industrial & Engineering Chemistry Research*, **2018**, 57, 954-966	3.9	25
64	H Output Consensus for Markov Jump Multiagent Systems With Uncertainties. *IEEE Transactions on Cybernetics*, **2018**,	10.2	25
63	Petri-net-based robust supervisory control of automated manufacturing systems. *Control Engineering Practice*, **2016**, 54, 176-189	3.9	24
62	Output feedback stabilization of nonlinear MIMO systems having uncertain high-frequency gain matrix. *Systems and Control Letters*, **2015**, 83, 1-8	2.4	23
61	. *IEEE Transactions on Power Electronics*, **2020**, 35, 8985-8997	7.2	23
60	Filtering of T S Fuzzy Systems With Nonuniform Sampling. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 2442-2450	7.3	23
59	Nonlinear MPC Controller Design for AIR Supply of PEM Fuel Cell Based Power Systems. *Asian Journal of Control*, **2017**, 19, 929-940	1.7	22

58	Nonlinear output regulation for invertible nonlinear MIMO systems. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 2401-2417	3.6	22
57	Short-Term Prognostics of PEM Fuel Cells: A Comparative and Improvement Study. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 6077-6086	8.9	22
56	Adaptive global stabilization of uncertain multi-input linear time-delay systems by PDE full-state feedback. *Automatica*, **2018**, 96, 270-279	5.7	21
55	. *IEEE Transactions on Smart Grid*, **2019**, 10, 6396-6403	10.7	19
54	Synchronization of delayed neural networks with L□y noise and Markovian switching via sampled data. *Nonlinear Dynamics*, **2015**, 81, 1179-1189	5	19
53	Detecting Nonlinear Oscillations in Process Control Loop Based on an Improved VMD. *IEEE Access*, **2019**, 7, 91446-91462	3.5	16
52	Energy-to-Peak Filtering of Semi-Markov Jump Systems With Mismatched Modes. *IEEE Transactions on Automatic Control*, **2020**, 65, 4356-4361	5.9	16
51	Dissipativity-based filtering of nonlinear periodic Markovian jump systems: The discrete-time case. *Neurocomputing*, **2016**, 171, 807-814	5.4	15
50	Detection and diagnosis of oscillations in process control by fast adaptive chirp mode decomposition. *Control Engineering Practice*, **2020**, 97, 104307	3.9	15
49	Multivariate nonlinear chirp mode decomposition. *Signal Processing*, **2020**, 176, 107667	4.4	14
48	$mathcal H_{2}$ Performance Analysis and Applications of 2-D Hidden Bernoulli Jump System. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 2097-2107	7.3	14
47	Robust cooperative output regulation of uncertain linear multi-agent systems not detectable by regulated output. *Automatica*, **2019**, 101, 309-317	5.7	13
46	Passivity-Based PI Control for Receiver Side of Dynamic Wireless Charging System in Electric Vehicles. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	11
45	Further deleterious effects of the dissipation obstacle in control-by-interconnection of port-Hamiltonian systems. *Automatica*, **2015**, 61, 227-231	5.7	10
44	Flow regime identification in horizontal pneumatic conveying by nonintrusive acoustic emission detection. *AICHE Journal*, **2019**, 65, e16552	3.6	9
43	Use of Fast Multivariate Empirical Mode Decomposition for Oscillation Monitoring in Noisy Process Plant. *Industrial & Engineering Chemistry Research*, **2020**, 59, 11537-11551	3.9	9
42	Predictor Feedback for Uncertain Linear Systems With Distributed Input Delays. *IEEE Transactions on Automatic Control*, **2020**, 65, 5344-5351	5.9	8
41	Globally exponential synchronization for dynamical networks with discrete-time communications. *Journal of the Franklin Institute*, **2017**, 354, 7871-7884	4	8

40	. *IEEE Transactions on Control Systems Technology*, **2020**, 28, 2608-2615	4.8	8
39	Multivariate intrinsic chirp mode decomposition. *Signal Processing*, **2021**, 183, 108009	4.4	8
38	PDE output feedback control of LTI systems with uncertain multi-input delays, plant parameters and ODE state. *Systems and Control Letters*, **2019**, 123, 1-7	2.4	8
37	Nonfragile and Nonsynchronous Synthesis of Reachable Set for Bernoulli Switched Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 726-731	7.3	8
36	Structural Controller for Logical Expression of Linear Constraints on Petri Nets. *IEEE Transactions on Automatic Control*, **2020**, 65, 397-403	5.9	8
35	. *IEEE Transactions on Automatic Control*, **2017**, 62, 2419-2433	5.9	7
34	V2V-Based Cooperative Control of Uncertain, Disturbed and Constrained Nonlinear CAVs Platoon. *IEEE Transactions on Intelligent Transportation Systems*, **2020**, 1-11	6.1	7
33	Asynchronous synchronization of complex networks with switched adjacent matrices. *Journal of the Franklin Institute*, **2019**, 356, 4677-4689	4	6
32	Predictive functional control for integrator systems. *Journal of the Franklin Institute*, **2020**, 357, 4171-4186	4	6
31	Cell balancing control for serially connected lithium-ion batteries **2016**,		6
30	Supervisory Control of Deadlock-Prone Production Systems With Routing Flexibility and Unreliable Resources. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 3528-3540	7.3	6
29	Thermal-Stability Analysis of Ethylene-Polymerization Fluidized-Bed Reactors under Condensed-Mode Operation through a TPMPBM Integrated Model. *Industrial & Engineering Chemistry Research*, **2019**, 58, 9486-9499	3.9	5
28	Delay-adaptive control for linear systems with distributed input delays. *Automatica*, **2020**, 116, 108902	5.7	5
27	Toward Efficient Safety Helmet Detection Based on YoloV5 With Hierarchical Positive Sample Selection and Box Density Filtering. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 71, 1-14	5.2	5
26	Adaptive Stabilization of Discrete-Time Nonminimum Phase Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 1-6	7.3	3
25	Automatic detection of multiple oscillations by wavelet analysis. *Computers and Electrical Engineering*, **2014**, 40, 2167-2177	4.3	3
24	Integrated pricing strategy for coordinating load levels in coupled power and transportation networks. *Applied Energy*, **2021**, 307, 118100	10.7	3
23	Cooperative Semiglobal Robust Output Regulation of Non-Introspective Nonlinear Agents With Partial Normal Form and State-Dependent High-Frequency Gain. *IEEE Transactions on Control of Network Systems*, **2019**, 6, 388-402	4	2

22	A Progressive Hedging-Based Solution Approach for Integrated Planning and Scheduling Problems under Demand Uncertainty. *Industrial & Engineering Chemistry Research*, **2019**, 58, 14880-14896	3.9	2
21	Information system integration model of manufacturing enterprise based on object process methodology and its application. *Asia-Pacific Journal of Chemical Engineering*, **2012**, 7, 651-659	1.3	2
20	Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multiagent Systems With Time-Varying Communication Topologies. *IEEE Transactions on Automatic Control*, **2020**, 65, 4340-4347	5.9	2
19	Learning Slimming SSD through Pruning and Knowledge Distillation **2019**,		2
18	Event-triggered Output Feedback Control for a Class of Discrete-Time Nonlinear Systems **2019**,		2
17	. *IEEE Systems Journal*, **2021**, 1-11	4.3	2
16	Modeling and Analysis Methods for the DWPT System Applicated in EVs Charging **2018**,		2
15	Current Sharing Based on Incremental Passivity and Unknown Load Finite Time Estimation for Multilevel Connected DC-DC Converters. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	2
14	An Event-Based Interaction Sampled-Control for Consensus of Multi-Agents With Multiple Time-Varying Delays. *IEEE Access*, **2020**, 8, 114143-114152	3.5	1
13	A chance constrained programming approach for multi-product multi-stage integrated production planning under internal and external uncertainties **2015**,		1
12	Robust sliding mode control based on integral sliding surfaces		1
11	An Optimized Coil Array and Passivity-Based Control for Receiving Side Multilevel Connected DC-DC Converter of Dynamic Wireless Charging. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	1
10	Passivity-Based Control for Interleaved Double Dual Boost Converters in DC Microgrids supplying Constant Power Loads. *IEEE Transactions on Transportation Electrification*, **2021**, 1-1	7.6	1
9	An event-based interaction method for consensus of multiple complex networks. *Journal of the Franklin Institute*, **2020**, 357, 13766-13784	4	1
8	Fuzzy-model-based tracking control of Markov jump nonlinear systems with incomplete mode information. *Journal of the Franklin Institute*, **2021**, 358, 3633-3650	4	1
7	A Review on Prognostics of Proton Exchange Membrane Fuel Cells **2016**,		1
6	Distributed Model Predictive Control for Vehicle Platoon With Mixed Disturbances and Model Uncertainties. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-12	6.1	1
5	Bi-level framework for microgrid capacity planning under dynamic wireless charging of electric vehicles. *International Journal of Electrical Power and Energy Systems*, **2022**, 141, 108204	5.1	1

4	Model predictive control with fractional-order delay compensation for fast sampling systems. *Science China Information Sciences*, **2021**, 64, 1	3.4	0
3	Towards efficient filter pruning via topology. *Journal of Real-Time Image Processing*,1	1.9	0
2	Detection and Location of Model-Plant Mismatch in Multiple Input Multiple Output Systems under Model Predictive Controller Using Granger Causality Method. *Processes*, **2021**, 9, 1976	2.9	
1	SVD-Based Robust Distributed MPC for Tracking Systems Coupled in Dynamics With Global Constraints. *IEEE Transactions on Cybernetics*, **2022**, 1-12	10.2	