

# Heng Liu

## List of Publications by Year in Descending Order

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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.

55  
papers

1,085  
citations

18  
h-index

32  
g-index

67  
ext. papers

1,400  
ext. citations

3.2  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
55	Composite learning sliding mode control of uncertain nonlinear systems with prescribed performance. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2022</b> , 1-13	1.6	
54	Adaptive fuzzy finite-time backstepping control of fractional-order nonlinear systems with actuator faults via command-filtering and sliding mode technique. <i>Information Sciences</i> , <b>2022</b> , 600, 189-208	7.7	3
53	Connected Degree of Fuzzifying Matroids. <i>Journal of Mathematics</i> , <b>2022</b> , 2022, 1-8	1.2	0
52	DYNAMICS OF A FRACTIONAL-ORDER BAM NEURAL NETWORK WITH LEAKAGE DELAY AND COMMUNICATION DELAY. <i>Fractals</i> , <b>2021</b> , 29, 2150073	3.2	6
51	Command filtered adaptive neural network synchronization control of fractional-order chaotic systems subject to unknown dead zones. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 3376-3402	4	13
50	Adaptive Dynamic Surface Control for Finite-time Tracking of Uncertain Nonlinear Systems with Dead-zone Inputs and Actuator Faults. <i>International Journal of Control, Automation and Systems</i> , <b>2021</b> , 19, 2797-2811	2.9	8
49	An understandable way to discover methods to model interval input/output samples. <i>Computational and Applied Mathematics</i> , <b>2021</b> , 40, 1	2.4	
48	An Easy-to-Understand Method to Construct Desired Distance-Like Measures. <i>Complexity</i> , <b>2021</b> , 2021, 1-15	1.6	1
47	Positivity and Stability Analysis for Fractional-Order Delayed Systems: A T-S Fuzzy Model Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 927-939	8.3	33
46	Command filtered adaptive fuzzy control of fractional-order nonlinear systems. <i>European Journal of Control</i> , <b>2021</b> , 63, 48-48	2.5	8
45	Composite learning sliding mode synchronization of chaotic fractional-order neural networks. <i>Journal of Advanced Research</i> , <b>2020</b> , 25, 87-96	13	22
44	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	8
43	Adaptive Neural Network Backstepping Control of Fractional-Order Nonlinear Systems With Actuator Faults. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 5166-5177	10.3	57
42	Dynamical analysis and adaptive fuzzy control for the fractional-order financial risk chaotic system. <i>Advances in Difference Equations</i> , <b>2020</b> , 2020,	3.6	8
41	Extended feedback and simulation strategies for a delayed fractional-order control system. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 545, 123127	3.3	2
40	Dynamic optimal control of enhancing feedback treatment for a delayed fractional order predator-prey model. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 554, 124136	3.3	11
39	Bifurcations in a fractional-order neural network with multiple leakage delays. <i>Neural Networks</i> , <b>2020</b> , 131, 115-126	9.1	28

38	Resonance behavior for a generalized Mittag-Leffler fractional Langevin equation with hydrodynamic interactions. <i>International Journal of Modern Physics B</i> , <b>2020</b> , 34, 2050310	1.1	2
37	A New Nussbaum-Type Function and its Application in the Control of Uncertain Strict-Feedback Systems. <i>International Journal of Fuzzy Systems</i> , <b>2020</b> , 22, 2284-2299	3.6	1
36	Composite Learning Adaptive Dynamic Surface Control of Fractional-Order Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 2557-2567	10.2	51
35	Adaptive fuzzy synchronization of uncertain fractional-order chaotic systems with different structures and time-delays. <i>Advances in Difference Equations</i> , <b>2019</b> , 2019,	3.6	9
34	Composite learning adaptive sliding mode control of fractional-order nonlinear systems with actuator faults. <i>Journal of the Franklin Institute</i> , <b>2019</b> , 356, 9580-9599	4	39
33	Adaptive Fuzzy backstepping control of fractional-order chaotic systems with input saturation. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2019</b> , 37, 6513-6525	1.6	10
32	Backstepping-Based Adaptive Fuzzy Synchronization Control for a Class of Fractional-Order Chaotic Systems with Input Saturation. <i>International Journal of Fuzzy Systems</i> , <b>2019</b> , 21, 1571-1584	3.6	35
31	Fuzzy Adaptive Prescribed Performance Tracking Control for Uncertain Nonlinear Systems With Unknown Control Gain Signs. <i>IEEE Access</i> , <b>2019</b> , 7, 149867-149877	3.5	4
30	Robust Control of Disturbed Fractional-Order Economical Chaotic Systems with Uncertain Parameters. <i>Complexity</i> , <b>2019</b> , 2019, 1-13	1.6	5
29	Composite learning fuzzy synchronization for incommensurate fractional-order chaotic systems with time-varying delays. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2019</b> , 33, 1739-1758	2.8	30
28	Generalized Function Projective Synchronization of Incommensurate Fractional-Order Chaotic Systems with Inputs Saturation. <i>International Journal of Fuzzy Systems</i> , <b>2019</b> , 21, 823-836	3.6	18
27	Adaptive fuzzy control for a class of unknown fractional-order neural networks subject to input nonlinearities and dead-zones. <i>Information Sciences</i> , <b>2018</b> , 454-455, 30-45	7.7	66
26	Synchronization for fractional-order neural networks with full/under-actuation using fractional-order sliding mode control. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2018</b> , 9, 1219-1232	3.8	55
25	Adaptive Fuzzy Synchronization of Fractional-Order Chaotic Neural Networks with Backlash-Like Hysteresis. <i>Advances in Mathematical Physics</i> , <b>2018</b> , 2018, 1-13	1.1	3
24	Adaptive Controller Design for a Class of Uncertain Fractional-Order Nonlinear Systems: An Adaptive Fuzzy Approach. <i>International Journal of Fuzzy Systems</i> , <b>2018</b> , 20, 366-379	3.6	50
23	Robust adaptive control for fractional-order chaotic systems with system uncertainties and external disturbances. <i>Advances in Difference Equations</i> , <b>2018</b> , 2018,	3.6	7
22	Adaptive fuzzy synchronization for a class of fractional-order neural networks. <i>Chinese Physics B</i> , <b>2017</b> , 26, 030504	1.2	26
21	Adaptive Fuzzy Backstepping Control of Fractional-Order Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2017</b> , 47, 2209-2217	7.3	206

20	Adaptive Fuzzy Synchronization of Fractional-Order Chaotic (Hyperchaotic) Systems with Input Saturation and Unknown Parameters. <i>Complexity</i> , <b>2017</b> , 2017, 1-16	1.6	18
19	Projective lag synchronization controller design for uncertain fractional-order chaotic systems <b>2017</b>		1
18	Neural network controller design for uncertain nonlinear systems based on backstepping control algorithm <b>2017</b> ,		3
17	Adaptive fuzzy prescribed performance controller design for a class of uncertain fractional-order nonlinear systems with external disturbances. <i>Neurocomputing</i> , <b>2017</b> , 219, 422-430	5.4	81
16	Synchronization of fractional-order and integer-order chaotic (hyper-chaotic) systems with different dimensions. <i>Advances in Difference Equations</i> , <b>2017</b> , 2017,	3.6	4
15	Robust adaptive control for fractional-order financial chaotic systems with system uncertainties and external disturbances. <i>Information Technology and Control</i> , <b>2017</b> , 46,	1.3	21
14	Stability Analysis and Synchronization for a Class of Fractional-Order Neural Networks. <i>Entropy</i> , <b>2016</b> , 18, 55	2.8	17
13	Prescribed performance synchronization for fractional-order chaotic systems. <i>Chinese Physics B</i> , <b>2015</b> , 24, 090505	1.2	27
12	Robust Synchronization of Uncertain Fractional Order Chaotic Systems. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2015</b> , E98.A, 2109-2116	0.4	1
11	Adaptive Synchronization for a Class of Uncertain Fractional-Order Neural Networks. <i>Entropy</i> , <b>2015</b> , 17, 7185-7200	2.8	49
10	Robust Stability and Stabilization of Interval Uncertain Descriptor Fractional-Order Systems with the Fractional-Order The $\mathbb{H}_\infty$ <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-8	1.1	1
9	Adaptive fuzzy synchronization for uncertain fractional-order chaotic systems with unknown non-symmetrical control gain. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2015</b> , 64, 070503	0.6	12
8	Linear Control of Fractional-Order Financial Chaotic Systems with Input Saturation. <i>Discrete Dynamics in Nature and Society</i> , <b>2014</b> , 2014, 1-8	1.1	4
7	Fuzzy Adaptive Prescribed Performance Control for MIMO Uncertain Chaotic Systems in Nonstrict Feedback Form. <i>Discrete Dynamics in Nature and Society</i> , <b>2014</b> , 2014, 1-6	1.1	3
6	Adaptive fuzzy nonlinear inversion-based control for uncertain chaotic systems. <i>Chinese Physics B</i> , <b>2012</b> , 21, 120505	1.2	10
5	Modified function projective lag synchronization for multi-scroll chaotic system with unknown disturbances. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2012</b> , 61, 180503	0.6	5
4	Function Vector Synchronization of Uncertain Chaotic Systems with Parameters Variable. <i>Information Technology Journal</i> , <b>2012</b> , 11, 1619-1625	0.7	
3	Comparison of twelve types of rough approximations based on j-neighborhood space and j-adhesion neighborhood space. <i>Soft Computing</i> , 1	3.5	0

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|---|--|-----|---|
| 2 | Adaptive Fuzzy Variable Structure Control of Fractional-Order Nonlinear Systems with Input Nonlinearities. <i>International Journal of Fuzzy Systems</i> ,1  | 3.6 | 1 |
| 1 | Composite Learning Control of Uncertain Fractional-Order Nonlinear Systems with Actuator Faults Based on Command Filtering and Fuzzy Approximation. <i>International Journal of Fuzzy Systems</i> ,1 | 3.6 | 1 |