Wei Sun

List of Publications by Year
in descending order

72 papers	2,411 citations	318942 23 h-index	242451 47 g-index
73 all docs	73 docs citations	73 times ranked	1428 citing authors

#	ARTICLE	IF	CITATIONS
1	Fixed-Time Adaptive Neural Network Control for Nonlinear Systems With Input Saturation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1911-1920.	7.2	36
2	Disturbance Observer-Based Adaptive Neural Network Output Feedback Control for Uncertain Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7260-7270.	7.2	9
3	Adaptive Asymptotic Tracking Control for Input-Quantized Nonlinear Systems With Multiple Unknown Control Directions. IEEE Transactions on Cybernetics, 2023, 53, 5216-5225.	6.2	8
4	Neural‐based adaptive event‐triggered tracking control for flexible‐joint robots with random noises. International Journal of Robust and Nonlinear Control, 2022, 32, 2722-2740.	2.1	17
5	Global Finite-Time Stabilization for Uncertain Systems With Unknown Measurement Sensitivity. IEEE Transactions on Cybernetics, 2022, 52, 7602-7611.	6.2	6
6	Adaptive Fuzzy Event-Triggered Control for Single-Link Flexible-Joint Robots With Actuator Failures. IEEE Transactions on Cybernetics, 2022, 52, 7231-7241.	6.2	41
7	Consensus Control for Nonlinear Multiagent Systems with Sensor Faults. Lecture Notes in Electrical Engineering, 2022, , 695-709.	0.3	0
8	Neural-based adaptive control for nonlinear systems with quantized input and the output constraint. Applied Mathematics and Computation, 2022, 413, 126637.	1.4	22
9	Event-Triggered Adaptive Fuzzy Tracking Control for Nonlinear Systems With Unknown Control Directions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4648-4657.	5.9	13
10	Adaptive Fuzzy Event-Triggered Control for High-Order Nonlinear Systems With Prescribed Performance. IEEE Transactions on Cybernetics, 2022, 52, 2885-2895.	6.2	47
11	Robust adaptive control for uncertain nonlinear systems with odd rational powers, unmodeled dynamics, and non-triangular structure. ISA Transactions, 2022, 128, 81-89.	3.1	4
12	Adaptive prescribed performance asymptotic tracking control for nonlinear systems with time‐varying parameters. International Journal of Robust and Nonlinear Control, 2022, 32, 4535-4552.	2.1	11
13	H_{∞} tracking control for uncertain switched stochastic systems with mixed time‐varying delays. International Journal of Robust and Nonlinear Control, 2022, 32, 6068-6085.	2.1	1
14	Asynchronous H_{∞} Dynamic Output Feedback Control for Markovian Jump Neural Networks with Time-varying Delays. International Journal of Control, Automation and Systems, 2022, 20, 909-923.	1.6	9
15	Adaptive fuzzy tracking control for input and output constrained stochastic nonlinear systems: A NM-based approach. Journal of the Franklin Institute, 2022, 359, 6023-6042.	1.9	3
16	Adaptive asymptotic tracking control for nonlinear systems with state constraints and input saturation. Applied Mathematics and Computation, 2022, 431, 127342.	1.4	2
17	Adaptive Pulsatile Plane for Robust Noncontact Heart Rate Monitoring. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5587-5599.	5.9	11
18	Asynchronous Feedback Control for Delayed Fuzzy Degenerate Jump Systems Under Observer-Based Event-Driven Characteristic. IEEE Transactions on Fuzzy Systems, 2021, 29, 3754-3768.	6.5	45

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19	Finite-Time Command Filtered Event-Triggered Adaptive Fuzzy Tracking Control for Stochastic Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2021, 29, 1815-1825.	6.5	125
20	Command Filter-Based Adaptive Prescribed Performance Tracking Control for Stochastic Uncertain Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6555-6563.	5.9	34
21	Admissibilization for Implicit Jump Systems With Mixed Retarded Delays Based on Reciprocally Convex Integral Inequality and Barbalatâ€™s Lemma. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6808-6818.	5.9	37
22	HMM-Based Asynchronous H_∞ Filtering for Fuzzy Singular Markovian Switching Systems With Retarded Time-Varying Delays. IEEE Transactions on Cybernetics, 2021, 51, 1189-1203.	6.2	89
23	Novel Adaptive Fuzzy Control for Output Constrained Stochastic Nonstrict Feedback Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2021, 29, 1188-1197.	6.5	69
24	Reduced Adaptive Fuzzy Decoupling Control for Lower Limb Exoskeleton. IEEE Transactions on Cybernetics, 2021, 51, 1099-1109.	6.2	89
25	Robust Stabilization of High-Order Nonlinear Systems With Unknown Sensitivities and Applications in Humanoid Robot Manipulation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4409-4416.	5.9	19
26	Adaptive Intelligent Control for Input and Output Constrained High-Order Uncertain Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5577-5586.	5.9	19
27	Asynchronous Filtering for Delayed Fuzzy Jump Systems Subject to Mixed Passivity and $${user2{Hinfty }}$$ Performance. International Journal of Fuzzy Systems, 2021, 23, 1396-1413.	2.3	3
28	Adaptive fuzzy control for nonâ€strictâ€feedback stochastic uncertain nonâ€linear systems based on eventâ€triggered strategy. IET Control Theory and Applications, 2021, 15, 1018-1027.	1.2	5
29	Interval stability and interval stabilization of linear stochastic systems with timeâ€varying delay. International Journal of Robust and Nonlinear Control, 2021, 31, 2334-2347.	2.1	16
30	Mode-dependent H_∞ Filtering for Time-varying Delays Neutral Jump Systems Based on FWM Technique. International Journal of Control, Automation and Systems, 2021, 19, 2092-2104.	1.6	2
31	Finite-Time Adaptive Fuzzy Control for Nonlinear Systems with Unknown Backlash-Like Hysteresis. International Journal of Fuzzy Systems, 2021, 23, 2037-2047.	2.3	6
32	Resilient H_∞ dynamic output feedback controller design for USJSs with time-varying delays. Applied Mathematics and Computation, 2021, 395, 125875.	1.4	4
33	Observer-based adaptive event-triggered tracking control for nonlinear MIMO systems based on neural networks technique. Neurocomputing, 2021, 433, 71-82.	3.5	12
34	Adaptive Event-triggered Control for Uncertain Nonlinear Systems based Command Filtering. , 2021, , .		0
35	Eventâ€triggered feedback control for delayed singular jump systems based on sampled observer and exponential detector. International Journal of Robust and Nonlinear Control, 2021, 31, 7298-7316.	2.1	20
36	Asynchronous admissibility and fault detection for delayed implicit Markovian switching systems under hidden Markovian model mechanism. International Journal of Robust and Nonlinear Control, 2021, 31, 7261-7279.	2.1	20

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37	Adaptive quantized control for uncertain nonlinear systems with unknown control directions. International Journal of Robust and Nonlinear Control, 2021, 31, 8658-8671.	2.1	6
38	Adaptive fuzzy tracking for flexible-joint robots with random noises via command filter control. Information Sciences, 2021, 575, 116-132.	4.0	17
39	Global Finite Time Active Disturbance Rejection Control for Parallel Manipulators With Unknown Bounded Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7838-7849.	5.9	21
40	Adaptive Tracking Control of Wheeled Inverted Pendulums With Periodic Disturbances. IEEE Transactions on Cybernetics, 2020, 50, 1867-1876.	6.2	112
41	Adaptive Fuzzy Control With High-Order Barrier Lyapunov Functions for High-Order Uncertain Nonlinear Systems With Full-State Constraints. IEEE Transactions on Cybernetics, 2020, 50, 3424-3432.	6.2	203
42	Adaptive finite‐time neural network control for redundant parallel manipulators. Asian Journal of Control, 2020, 22, 2534-2542.	1.9	16
43	Normalization and stabilization of neutral descriptor hybrid systems based on P-D feedback control. Journal of the Franklin Institute, 2020, 357, 1070-1089.	1.9	11
44	pth moment asymptotic interval stability and stabilization of linear stochastic systems via generalized $\mathcal{H}$-representation. Applied Mathematics and Computation, 2020, 386, 125520.	1.4	3
45	Command filter‐based event‐triggered adaptive neural network control for uncertain nonlinear time‐delay systems. International Journal of Robust and Nonlinear Control, 2020, 30, 6363-6382.	2.1	23
46	Adaptive event‐triggered global fast finite‐time control for a class of uncertain nonlinear systems. International Journal of Robust and Nonlinear Control, 2020, 30, 3773-3785.	2.1	36
47	Command Filter-Based Finite-Time Adaptive Fuzzy Control for Uncertain Nonlinear Systems With Prescribed Performance. IEEE Transactions on Fuzzy Systems, 2020, 28, 3161-3170.	6.5	179
48	Adaptive fuzzy practical tracking control for flexible-joint robots via command filter design. Measurement and Control, 2020, 53, 814-823.	0.9	7
49	Finite-Time Adaptive Fuzzy Control for Nonlinear Systems With Full State Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1541-1548.	5.9	203
50	New results on robust tracking control for a class of high-order nonlinear time-delay systems. International Journal of Systems Science, 2019, 50, 2002-2014.	3.7	7
51	Command filter-based finite-time adaptive fuzzy control for nonlinear systems with uncertain disturbance. Journal of the Franklin Institute, 2019, 356, 11270-11284.	1.9	31
52	Adaptive Fuzzy Tracking Control of Stochastic Mechanical System with Input Saturation. International Journal of Fuzzy Systems, 2019, 21, 2600-2608.	2.3	7
53	Adaptive fuzzy asymptotically tracking control of full state constrained nonlinear system based on a novel Nussbaum-type function. Journal of the Franklin Institute, 2019, 356, 1810-1827.	1.9	36
54	Robust output feedback tracking control for a class of high-order time-delay nonlinear systems with input dead-zone and disturbances. Nonlinear Dynamics, 2019, 97, 921-935.	2.7	25

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55	Reduced Adaptive Fuzzy Tracking Control for High-Order Stochastic Nonstrict Feedback Nonlinear System With Full-State Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-11.	5.9	113
56	Adaptive Tracking Control for Mobile Manipulators with Stochastic Disturbances. Journal of Systems Science and Complexity, 2019, 32, 1393-1403.	1.6	10
57	Finite-Time Adaptive Fuzzy Tracking Control Design for Parallel Manipulators with Unbounded Uncertainties. International Journal of Fuzzy Systems, 2019, 21, 545-555.	2.3	15
58	Adaptive Fuzzy Tracking Control of Flexible-Joint Robots With Full-State Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2201-2209.	5.9	155
59	Adaptive Tracking Control of Mobile Manipulators with Affine Constraints and Under-actuated Joints. International Journal of Automation and Computing, 2018, 15, 728-735.	4.5	8
60	Robust normalisation and Pâ€"D state feedback control for uncertain singular Markovian jump systems with timeâ€varying delays. IET Control Theory and Applications, 2018, 12, 419-427.	1.2	30
61	Adaptive Tracking Control for a Class of Manipulator Systems with State Constraints and Stochastic Disturbances. Mathematical Problems in Engineering, 2018, 2018, 1-6.	0.6	1
62	Adaptive Fuzzy Control of Strict-Feedback Nonlinear Time-Delay Systems with Full-State Constraints. International Journal of Fuzzy Systems, 2018, 20, 2556-2565.	2.3	24
63	Finite-time tracking control for stochastic nonlinear systems with full state constraints. Applied Mathematics and Computation, 2018, 338, 207-220.	1.4	87
64	Normalisation design for delayed singular Markovian jump systems based on system transformation technique. International Journal of Systems Science, 2018, 49, 1603-1614.	3.7	15
65	Extended dissipative analysis of generalized Markovian switching neural networks with two delay components. Neurocomputing, 2017, 260, 275-283.	3.5	102
66	Modeling and finite-time tracking control for mobile manipulators with affine and holonomic constraints. Journal of Systems Science and Complexity, 2016, 29, 589-601.	1.6	10
67	Modeling and adaptive motion/force tracking for vertical wheel on rotating table. Journal of Systems Engineering and Electronics, 2015, 26, 1060-1069.	1.1	2
68	Adaptive Motion/Force Tracking Control for a Class of Mobile Manipulators. Asian Journal of Control, 2015, 17, 2409-2416.	1.9	16
69	Tracking Control Design for Nonholonomic Mechanical Systems with Affine Constraints. International Journal of Automation and Computing, 2014, 11, 328-333.	4.5	10
70	Adaptive motion/force control of nonholonomic mechanical systems with affine constraints. Nonlinear Analysis: Modelling and Control, 2014, 19, 646-659.	1.1	8
71	Global Adaptive Stabilization of High-order Nonlinear Systems with Zero Dynamics. Zidonghua Xuebao/Acta Automatica Sinica, 2012, 38, 1025-1032.	1.5	3
72	Adaptive fuzzy tracking control for nonstrict-feedback switched stochastic nonlinear systems with nonsymmetric dead-zone input: a MDADT switching approach. Nonlinear Dynamics, 0, , 1.	2.7	5