

Wei Sun

List of Publications by Year in descending order

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72
papers

2,411
citations

279798

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73
all docs

73
docs citations

73
times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite-Time Adaptive Fuzzy Control for Nonlinear Systems With Full State Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1541-1548.	9.3	203
2	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.	9.5	203
3	Command Filter-Based Finite-Time Adaptive Fuzzy Control for Uncertain Nonlinear Systems With Prescribed Performance. IEEE Transactions on Fuzzy Systems, 2020, 28, 3161-3170.	9.8	179
4	Adaptive Fuzzy Tracking Control of Flexible-Joint Robots With Full-State Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2201-2209.	9.3	155
5	Finite-Time Command Filtered Event-Triggered Adaptive Fuzzy Tracking Control for Stochastic Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2021, 29, 1815-1825.	9.8	125
6	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, 49, 1-11.	9.3	113
7	Adaptive Tracking Control of Wheeled Inverted Pendulums With Periodic Disturbances. IEEE Transactions on Cybernetics, 2020, 50, 1867-1876.	9.5	112
8	Extended dissipative analysis of generalized Markovian switching neural networks with two delay components. Neurocomputing, 2017, 260, 275-283.	5.9	102
9	HMM-Based Asynchronous \hat{z} Filtering for Fuzzy Singular Markovian Switching Systems With Retarded Time-Varying Delays. IEEE Transactions on Cybernetics, 2021, 51, 1189-1203.	9.5	89
10	Reduced Adaptive Fuzzy Decoupling Control for Lower Limb Exoskeleton. IEEE Transactions on Cybernetics, 2021, 51, 1099-1109.	9.5	89
11	Finite-time tracking control for stochastic nonlinear systems with full state constraints. Applied Mathematics and Computation, 2018, 338, 207-220.	2.2	87
12	Novel Adaptive Fuzzy Control for Output Constrained Stochastic Nonstrict Feedback Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2021, 29, 1188-1197.	9.8	69
13	Adaptive Fuzzy Event-Triggered Control for High-Order Nonlinear Systems With Prescribed Performance. IEEE Transactions on Cybernetics, 2022, 52, 2885-2895.	9.5	47
14	Asynchronous Feedback Control for Delayed Fuzzy Degenerate Jump Systems Under Observer-Based Event-Driven Characteristic. IEEE Transactions on Fuzzy Systems, 2021, 29, 3754-3768.	9.8	45
15	Adaptive Fuzzy Event-Triggered Control for Single-Link Flexible-Joint Robots With Actuator Failures. IEEE Transactions on Cybernetics, 2022, 52, 7231-7241.	9.5	41
16	Admissibilization for Implicit Jump Systems With Mixed Retarded Delays Based on Reciprocally Convex Integral Inequality and Barbalat's Lemma. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6808-6818.	9.3	37
17	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.	3.4	36
18	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.	3.7	36

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19	Fixed-Time Adaptive Neural Network Control for Nonlinear Systems With Input Saturation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1911-1920.	11.3	36
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.	9.3	34
21	Command filter-based finite-time adaptive fuzzy control for nonlinear systems with uncertain disturbance. Journal of the Franklin Institute, 2019, 356, 11270-11284.	3.4	31
22	Robust normalisation and P^D state feedback control for uncertain singular Markovian jump systems with time-varying delays. IET Control Theory and Applications, 2018, 12, 419-427.	2.1	30
23	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.	5.2	25
24	Adaptive Fuzzy Control of Strict-Feedback Nonlinear Time-Delay Systems with Full-State Constraints. International Journal of Fuzzy Systems, 2018, 20, 2556-2565.	4.0	24
25	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.	3.7	23
26	Neural-based adaptive control for nonlinear systems with quantized input and the output constraint. Applied Mathematics and Computation, 2022, 413, 126637.	2.2	22
27	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.	9.3	21
28	Event-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.	3.7	20
29	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.	3.7	20
30	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.	9.3	19
31	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.	9.3	19
32	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.	3.7	17
33	Adaptive fuzzy tracking for flexible-joint robots with random noises via command filter control. Information Sciences, 2021, 575, 116-132.	6.9	17
34	Adaptive Motion/Force Tracking Control for a Class of Mobile Manipulators. Asian Journal of Control, 2015, 17, 2409-2416.	3.0	16
35	Adaptive finite-time neural network control for redundant parallel manipulators. Asian Journal of Control, 2020, 22, 2534-2542.	3.0	16
36	Interval stability and interval stabilization of linear stochastic systems with time-varying delay. International Journal of Robust and Nonlinear Control, 2021, 31, 2334-2347.	3.7	16

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37	Normalisation design for delayed singular Markovian jump systems based on system transformation technique. <i>International Journal of Systems Science</i> , 2018, 49, 1603-1614.	5.5	15
38	Finite-Time Adaptive Fuzzy Tracking Control Design for Parallel Manipulators with Unbounded Uncertainties. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 545-555.	4.0	15
39	Event-Triggered Adaptive Fuzzy Tracking Control for Nonlinear Systems With Unknown Control Directions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 4648-4657.	9.3	13
40	Observer-based adaptive event-triggered tracking control for nonlinear MIMO systems based on neural networks technique. <i>Neurocomputing</i> , 2021, 433, 71-82.	5.9	12
41	Normalization and stabilization of neutral descriptor hybrid systems based on P-D feedback control. <i>Journal of the Franklin Institute</i> , 2020, 357, 1070-1089.	3.4	11
42	Adaptive Pulsatile Plane for Robust Noncontact Heart Rate Monitoring. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 5587-5599.	9.3	11
43	Adaptive prescribed performance asymptotic tracking control for nonlinear systems with time-varying parameters. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 4535-4552.	3.7	11
44	Tracking Control Design for Nonholonomic Mechanical Systems with Affine Constraints. <i>International Journal of Automation and Computing</i> , 2014, 11, 328-333.	4.5	10
45	Modeling and finite-time tracking control for mobile manipulators with affine and holonomic constraints. <i>Journal of Systems Science and Complexity</i> , 2016, 29, 589-601.	2.8	10
46	Adaptive Tracking Control for Mobile Manipulators with Stochastic Disturbances. <i>Journal of Systems Science and Complexity</i> , 2019, 32, 1393-1403.	2.8	10
47	Disturbance Observer-Based Adaptive Neural Network Output Feedback Control for Uncertain Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 7260-7270.	11.3	9
48	Asynchronous H ∞ Dynamic Output Feedback Control for Markovian Jump Neural Networks with Time-varying Delays. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 909-923.	2.7	9
49	Adaptive Tracking Control of Mobile Manipulators with Affine Constraints and Under-actuated Joints. <i>International Journal of Automation and Computing</i> , 2018, 15, 728-735.	4.5	8
50	Adaptive motion/force control of nonholonomic mechanical systems with affine constraints. <i>Nonlinear Analysis: Modelling and Control</i> , 2014, 19, 646-659.	1.6	8
51	Adaptive Asymptotic Tracking Control for Input-Quantized Nonlinear Systems With Multiple Unknown Control Directions. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 5216-5225.	9.5	8
52	New results on robust tracking control for a class of high-order nonlinear time-delay systems. <i>International Journal of Systems Science</i> , 2019, 50, 2002-2014.	5.5	7
53	Adaptive Fuzzy Tracking Control of Stochastic Mechanical System with Input Saturation. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 2600-2608.	4.0	7
54	Adaptive fuzzy practical tracking control for flexible-joint robots via command filter design. <i>Measurement and Control</i> , 2020, 53, 814-823.	1.8	7

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55	Global Finite-Time Stabilization for Uncertain Systems With Unknown Measurement Sensitivity. IEEE Transactions on Cybernetics, 2022, 52, 7602-7611.	9.5	6
56	Finite-Time Adaptive Fuzzy Control for Nonlinear Systems with Unknown Backlash-Like Hysteresis. International Journal of Fuzzy Systems, 2021, 23, 2037-2047.	4.0	6
57	Adaptive quantized control for uncertain nonlinear systems with unknown control directions. International Journal of Robust and Nonlinear Control, 2021, 31, 8658-8671.	3.7	6
58	Adaptive fuzzy control for nonstrict-feedback stochastic uncertain nonlinear systems based on event-triggered strategy. IET Control Theory and Applications, 2021, 15, 1018-1027.	2.1	5
59	Adaptive fuzzy tracking control for nonstrict-feedback switched stochastic nonlinear systems with nonsymmetric dead-zone input: a MDADT switching approach. Nonlinear Dynamics, 0, , 1.	5.2	5
60	Resilient H_∞ dynamic output feedback controller design for USJSs with time-varying delays. Applied Mathematics and Computation, 2021, 395, 125875.	2.2	4
61	Robust adaptive control for uncertain nonlinear systems with odd rational powers, unmodeled dynamics, and non-triangular structure. ISA Transactions, 2022, 128, 81-89.	5.7	4
62	Global Adaptive Stabilization of High-order Nonlinear Systems with Zero Dynamics. Zidonghua Xuebao/Acta Automatica Sinica, 2012, 38, 1025-1032.	1.5	3
63	pth moment asymptotic interval stability and stabilization of linear stochastic systems via generalized H -representation. Applied Mathematics and Computation, 2020, 386, 125520.	2.2	3
64	Asynchronous Filtering for Delayed Fuzzy Jump Systems Subject to Mixed Passivity and H_∞ Performance. International Journal of Fuzzy Systems, 2021, 23, 1396-1413.	4.0	3
65	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.	3.4	3
66	Modeling and adaptive motion/force tracking for vertical wheel on rotating table. Journal of Systems Engineering and Electronics, 2015, 26, 1060-1069.	2.2	2
67	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.	2.7	2
68	Adaptive asymptotic tracking control for nonlinear systems with state constraints and input saturation. Applied Mathematics and Computation, 2022, 431, 127342.	2.2	2
69	Adaptive Tracking Control for a Class of Manipulator Systems with State Constraints and Stochastic Disturbances. Mathematical Problems in Engineering, 2018, 2018, 1-6.	1.1	1
70	H_∞ tracking control for uncertain switched stochastic systems with mixed time-varying delays. International Journal of Robust and Nonlinear Control, 2022, 32, 6068-6085.	3.7	1
71	Adaptive Event-triggered Control for Uncertain Nonlinear Systems based Command Filtering. , 2021, , .		0
72	Consensus Control for Nonlinear Multiagent Systems with Sensor Faults. Lecture Notes in Electrical Engineering, 2022, , 695-709.	0.4	0