

# Tianping Zhang

## List of Publications by Year in descending order

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100  
papers

2,129  
citations

304743

22  
h-index

243625

44  
g-index

100  
all docs

100  
docs citations

100  
times ranked

1116  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive neural dynamic surface control of strict-feedback nonlinear systems with full state constraints and unmodeled dynamics. <i>Automatica</i> , 2017, 81, 232-239.	5.0	329
2	Adaptive Neural Network Tracking Control of MIMO Nonlinear Systems With Unknown Dead Zones and Control Directions. <i>IEEE Transactions on Neural Networks</i> , 2009, 20, 483-497.	4.2	320
3	Adaptive Neural Dynamic Surface Control of Pure-Feedback Nonlinear Systems With Full State Constraints and Dynamic Uncertainties. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 2378-2387.	9.3	131
4	Adaptive output feedback tracking control of stochastic nonlinear systems with dynamic uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 1282-1300.	3.7	83
5	Decentralized adaptive fuzzy output feedback control of stochastic nonlinear large-scale systems with dynamic uncertainties. <i>Information Sciences</i> , 2015, 315, 17-38.	6.9	76
6	Novel Neural Control for a Class of Uncertain Pure-Feedback Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 718-727.	11.3	75
7	Adaptive neural tracking control of pure-feedback nonlinear systems with unknown gain signs and unmodeled dynamics. <i>Neurocomputing</i> , 2013, 121, 290-297.	5.9	64
8	Adaptive RBF neural-networks control for a class of time-delay nonlinear systems. <i>Neurocomputing</i> , 2008, 71, 3617-3624.	5.9	62
9	Robust adaptive quantized DSC of uncertain pure-feedback nonlinear systems with time-varying output and state constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 3357-3375.	3.7	54
10	Adaptive output feedback dynamic surface control of nonlinear systems with unmodeled dynamics and unknown high-frequency gain sign. <i>Neurocomputing</i> , 2014, 143, 312-321.	5.9	50
11	Adaptive tracking control for input delayed MIMO nonlinear systems. <i>Neurocomputing</i> , 2010, 74, 472-480.	5.9	43
12	Adaptive neural control for a class of output feedback time delay nonlinear systems. <i>Neurocomputing</i> , 2009, 72, 1985-1992.	5.9	42
13	Adaptive neural control of stochastic nonlinear systems with unmodeled dynamics and time-varying state delays. <i>Journal of the Franklin Institute</i> , 2014, 351, 3182-3199.	3.4	39
14	Adaptive neural dynamic surface control for full state constrained stochastic nonlinear systems with unmodeled dynamics. <i>Journal of the Franklin Institute</i> , 2019, 356, 129-146.	3.4	36
15	Decentralized adaptive output feedback dynamic surface control of interconnected nonlinear systems with unmodeled dynamics. <i>Journal of the Franklin Institute</i> , 2015, 352, 1031-1055.	3.4	30
16	Adaptive prescribed performance control of output feedback systems including input unmodeled dynamics. <i>Neurocomputing</i> , 2016, 190, 226-236.	5.9	29
17	Adaptive dynamic surface control of stochastic nonstrict-feedback constrained nonlinear systems with input and state unmodeled dynamics. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 1405-1429.	4.1	28
18	Adaptive output feedback dynamic surface control of stochastic nonlinear systems with state and input unmodeled dynamics. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016, 30, 864-887.	4.1	26

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19	Adaptive cooperative dynamic surface control of non-strict feedback multi-agent systems with input dead-zones and actuator failures. <i>Neurocomputing</i> , 2021, 442, 48-63.	5.9	25
20	Adaptive backstepping neural control of stateâ€delayed nonlinear systems with fullâ€state constraints and unmodeled dynamics. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 1704-1722.	4.1	24
21	Novel design of adaptive neural network controller for a class of non-affine nonlinear systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 1107-1116.	3.3	23
22	Adaptive neural control of state delayed nonâ€linear systems with unmodelled dynamics and distributed timeâ€varying delays. <i>IET Control Theory and Applications</i> , 2014, 8, 1071-1082.	2.1	23
23	Adaptive control of output feedback nonlinear systems with unmodeled dynamics and output constraint. <i>Journal of the Franklin Institute</i> , 2017, 354, 5176-5200.	3.4	23
24	Adaptive neural control of constrained strict-feedback nonlinear systems with input unmodeled dynamics. <i>Neurocomputing</i> , 2018, 272, 596-605.	5.9	23
25	Adaptive neural dynamic surface control of MIMO pure-feedback nonlinear systems with output constraints. <i>Neurocomputing</i> , 2019, 333, 101-109.	5.9	23
26	Command filterâ€based adaptive prescribed performance tracking control for uncertain pureâ€feedback nonlinear systems with fullâ€state timeâ€varying constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 5312-5329.	3.7	22
27	New results on adaptive neural control of a class of nonlinear systems with uncertain input delay. <i>Neurocomputing</i> , 2012, 83, 22-30.	5.9	21
28	Adaptive optimal dynamic surface control of strictâ€feedback nonlinear systems with output constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 2059-2078.	3.7	20
29	Adaptive neural control of MIMO uncertain nonlinear systems with unmodeled dynamics and output constraint. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018, 32, 1731-1747.	4.1	18
30	Adaptive Neural Event-Triggered Control of MIMO Pure-Feedback Systems With Asymmetric Output Constraints and Unmodeled Dynamics. <i>IEEE Access</i> , 2020, 8, 37684-37696.	4.2	16
31	Multi-objective PID control for non-Gaussian stochastic distribution system based on two-step intelligent models. <i>Science in China Series F: Information Sciences</i> , 2009, 52, 1754-1765.	1.1	15
32	Multi-agent formation control in switching networks using backstepping design. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 1569-1576.	2.7	15
33	Adaptive control of pureâ€feedback nonlinear systems with fullâ€state timeâ€varying constraints and unmodeled dynamics. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 183-198.	4.1	15
34	Adaptive neural optimal control of uncertain nonlinear systems with output constraints. <i>Neurocomputing</i> , 2020, 406, 182-195.	5.9	15
35	Observerâ€based decentralized adaptive neural control for uncertain interconnected systems with input quantization and timeâ€varying output constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 4979-5003.	3.7	14
36	Finite-time adaptive neural command filtered control for non-strict feedback uncertain multi-agent systems including prescribed performance and input nonlinearities. <i>Applied Mathematics and Computation</i> , 2022, 421, 126953.	2.2	14

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37	Direct Adaptive NN Control of Nonlinear Systems in Strict-Feedback Form Using Dynamic Surface Control. , 2007, , .		13
38	Adaptive neural output feedback control for uncertain nonlinear systems with input quantization and output constraints. International Journal of Adaptive Control and Signal Processing, 2020, 34, 228-247.	4.1	13
39	Adaptive quantized DSC of output-constrained uncertain nonlinear systems with quantized input and input unmodeled dynamics. Journal of the Franklin Institute, 2020, 357, 5199-5225.	3.4	13
40	Adaptive quantized output feedback DSC of uncertain systems with output constraints and unmodeled dynamics based on reduced-order K-filters. Neurocomputing, 2018, 310, 236-245.	5.9	12
41	Adaptive Quantized Control of Output Feedback Nonlinear Systems With Input Unmodeled Dynamics Based on Backstepping and Small-Gain Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5686-5697.	9.3	12
42	Robust adaptive neural control of SISO nonlinear systems with unknown dead-zone and completely unknown control gain. , 2006, , .		10
43	Unified adaptive event-triggered control of uncertain multi-input multi-output nonlinear systems with dynamic and static constraints. International Journal of Robust and Nonlinear Control, 2021, 31, 2371-2392.	3.7	10
44	Robust adaptive DSC of directly input-coupled nonlinear systems with input unmodeled dynamics and time-varying output constraints. International Journal of Robust and Nonlinear Control, 2017, 27, 4398-4420.	3.7	9
45	Decentralized adaptive output feedback dynamic surface control for stochastic nonstrict-feedback interconnected nonlinear systems with actuator failures and input quantization via command filter. International Journal of Robust and Nonlinear Control, 2022, 32, 6739-6766.	3.7	9
46	Adaptive NN dynamic surface control of strict-feedback nonlinear systems. , 2010, , .		8
47	Robust PI speed tracking control for PMSM system based on convex optimization algorithm. , 2014, , .		8
48	Tolerant control for non-Gaussian stochastic processes with unknown faults via two-step fuzzy modeling. Nonlinear Dynamics, 2019, 95, 2703-2716.	5.2	8
49	Adaptive output feedback control of nonlinear systems with prescribed performance and MT-filters. Neurocomputing, 2016, 207, 717-725.	5.9	7
50	Sufficient Condition for the Existence of the Compact Set in the RBF Neural Network Control. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-6.	11.3	7
51	Adaptive event-triggered control of pure-feedback systems with quantized input and unknown input delay. International Journal of Robust and Nonlinear Control, 2021, 31, 9074-9093.	3.7	7
52	Adaptive Variable Structure Control of SISO Nonlinear Systems with Time-Varying Delays and Unknown Dead-zone Input. Proceedings of the American Control Conference, 2007, , .	0.0	6
53	Adaptive DSC of stochastic nonlinear systems with input unmodelled dynamics. IET Control Theory and Applications, 2017, 11, 781-790.	2.1	6
54	Adaptive output feedback control of uncertain nonlinear systems with input delay and output constraint. International Journal of Adaptive Control and Signal Processing, 2019, 33, 972-998.	4.1	6

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55	Adaptive finite-time tracking control for parameterized nonlinear systems with full state constraints. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1768-1788.	4.1	6
56	MT-filters-based adaptive quantized dynamic surface control of stochastic nonstrict-feedback nonlinear systems including input unmodeled dynamics. International Journal of Robust and Nonlinear Control, 2021, 31, 8632-8657.	3.7	6
57	Finite-time adaptive neural command filtered control for pure-feedback time-varying constrained nonlinear systems with actuator faults. Neurocomputing, 2022, 490, 193-205.	5.9	6
58	Adaptive neural containment control of nonstrict-feedback multi-agent systems with unmodeled dynamics. International Journal of Adaptive Control and Signal Processing, 2022, 36, 1879-1908.	4.1	6
59	Fuzzy systems-based adaptive fault-tolerant dynamic surface control for a class of high-order nonlinear systems with actuator fault. , 2012, , .		5
60	Adaptive neural network control for stochastic constrained block structure nonlinear systems with dynamical uncertainties. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1079-1096.	4.1	5
61	On the equivalence between the unbiased minimum-variance estimation and the infinity augmented Kalman filter. International Journal of Control, 2020, 93, 2995-3002.	1.9	5
62	Adaptive quantised control of uncertain nonlinear systems with state constraints and time-varying delays. IET Control Theory and Applications, 2020, 14, 1308-1320.	2.1	5
63	Fault estimation and fault tolerant control for linear stochastic uncertain systems. Asian Journal of Control, 2023, 25, 475-484.	3.0	5
64	Adaptive fuzzy control for a class of nonlinear time-varying delay systems. , 2008, , .		4
65	Adaptive control of time delay nonlinear systems with unknown control direction. , 2010, , .		4
66	Reduced-order K-filters based decentralized fuzzy adaptive control of stochastic large-scale nonlinear systems with stochastic input unmodeled dynamics. Neurocomputing, 2018, 272, 584-595.	5.9	4
67	Robust adaptive fuzzy control for a class of uncertain nonlinear systems. , 0, , .		3
68	Model Reference Sliding Mode Control for a Class of SISO Systems with Nonlinear Input. , 2006, , .		3
69	Adaptive Neural Output Feedback Control of Stochastic Nonlinear Systems with Unmodeled Dynamics. Mathematical Problems in Engineering, 2015, 2015, 1-13.	1.1	3
70	Disturbance rejection control of yaw channel of a small-scale unmanned helicopter via Takagi-Sugeno disturbance modeling approach. International Journal of Advanced Robotic Systems, 2016, 13, 172988141667111.	2.1	3
71	Equivalence of recursive three-step filter and infinity augmented Kalman filter for linear discrete-time stochastic systems with direct feedthrough. IET Control Theory and Applications, 2020, 14, 2696-2702.	2.1	3
72	Adaptive Neural Network Control with Unknown Dead-Zone and Gain Sign. , 2006, , .		2

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73	Improved Direct Adaptive Fuzzy Control for a Class of MIMO Nonlinear Systems. , 2006, , .		2
74	Adaptive control for a class of uncertain chaotic systems with saturation nonlinear input. , 2009, , .		2
75	Research on robot motion control based on local weighted kNN-TD reinforcement learning. , 2012, , .		2
76	Adaptive dynamic surface control of nonlinear systems with perturbed uncertainties in strict-feedback form. , 2012, , .		2
77	Model Reference Adaptive Control with Unknown Gain Sign. Lecture Notes in Electrical Engineering, 2020, , 508-514.	0.4	2
78	Adaptive Control of Uncertain Nonlinear Systems With Discontinuous Input and Time-Varying Input Delay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7248-7258.	9.3	2
79	Finite-Time Stability Control of Uncertain Nonlinear Systems With Self-Limiting Control Terms. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9514-9519.	11.3	2
80	Robust adaptive control for uncertain systems with discrete and distributed delays. Journal of Control Theory and Applications, 2008, 6, 287-292.	0.8	1
81	Adaptive neural tracking control of pure-feedback nonlinear systems. , 2012, , .		1
82	Adaptive reduced-order K-filters based DSC of uncertain systems with input unmodeled dynamics and dead-zone. , 2016, , .		1
83	Decentralized prescribed performance adaptive output feedback control for nonlinear systems with unknown dead-zone. , 2016, , .		1
84	Improved Input and State Estimation for Linear Stochastic Systems with Direct Feedthrough. Asian Journal of Control, 2020, 22, 156-167.	3.0	1
85	Finite Time Adaptive Neural Dynamic Surface Control of Nonstrict Feedback Nonlinear Systems Including Dead-Zone and Full State Restrictions. IEEE Access, 2020, 8, 186699-186709.	4.2	1
86	Backstepping-Based Adaptive Neural Control of Constrained Nonlinear Systems. Lecture Notes in Electrical Engineering, 2021, , 145-154.	0.4	1
87	Adaptive fuzzy control for strict-feedback nonlinear systems. , 0, , .		0
88	Adaptive Fuzzy Control for a Class of Nonlinear Systems using Small-gain Theorem. , 2006, , .		0
89	Adaptive Fuzzy Control for a Class of Nonlinear Systems with Unknown Dead-Zone. , 2006, , .		0
90	Improved adaptive dynamic surface control for a class of strict-feedback nonlinear systems. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
91	Analysis and Control of Synchronization for Heterogeneous Complex Networks with Time-Varying Multiple Delays. , 2009, , .		0
92	Adaptive control of MIMO nonlinear systems with disturbances and time delays. , 2010, , .		0
93	Robust adaptive control with unmodeled dynamics and unknown dead-zones. , 2013, , .		0
94	Adaptive backstepping control of time-delayed nonlinear Markovian jump systems. , 2016, , .		0
95	Adaptive output feedback dynamic surface control of nonlinear systems with actuator failures and unmodeled dynamics. , 2016, , .		0
96	Adaptive control of output constrained nonlinear systems based on nonlinear mapping. , 2017, , .		0
97	Robust Adaptive Control of MIMO Nonlinear Systems with Output Constraint and Minimum Adjusting Parameters. , 2018, , .		0
98	Adaptive Neural Network Control of Uncertain Systems with Full State Constraints and Unknown Gain Sign. Lecture Notes in Electrical Engineering, 2020, , 515-525.	0.4	0
99	Simultaneous state and fault estimation based on improved adaptive Kalman filter. , 2020, , .		0
100	Command filterâ€based adaptive neural eventâ€triggered control of MIMO pureâ€feedback systems with fullâ€state timeâ€varying constraints. International Journal of Adaptive Control and Signal Processing, 0, , .	4.1	0