

Tianping Zhang

List of Publications by Year in descending order

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100
papers

2,129
citations

346980

22
h-index

274796

44
g-index

100
all docs

100
docs citations

100
times ranked

1238
citing authors

#	ARTICLE	IF	CITATIONS
1	Fault estimation and fault tolerant control for linear stochastic uncertain systems. Asian Journal of Control, 2023, 25, 475-484.	1.9	5
2	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.	7.2	2
3	Finite-time adaptive neural command filtered control for pure-feedback time-varying constrained nonlinear systems with actuator faults. Neurocomputing, 2022, 490, 193-205.	3.5	6
4	Finite-time adaptive neural command filtered control for non-strict feedback uncertain multi-agent systems including prescribed performance and input nonlinearities. Applied Mathematics and Computation, 2022, 421, 126953.	1.4	14
5	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.	5.9	2
6	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.	2.1	9
7	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.	2.3	6
8	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.	5.9	12
9	Command filter-based adaptive prescribed performance tracking control for uncertain pure-feedback nonlinear systems with full-state time-varying constraints. International Journal of Robust and Nonlinear Control, 2021, 31, 5312-5329.	2.1	22
10	Adaptive cooperative dynamic surface control of non-strict feedback multi-agent systems with input dead-zones and actuator failures. Neurocomputing, 2021, 442, 48-63.	3.5	25
11	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.	2.3	6
12	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.	2.1	6
13	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.	2.1	7
14	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.	2.1	10
15	Backstepping-Based Adaptive Neural Control of Constrained Nonlinear Systems. Lecture Notes in Electrical Engineering, 2021, , 145-154.	0.3	1
16	On the equivalence between the unbiased minimum-variance estimation and the infinity augmented Kalman filter. International Journal of Control, 2020, 93, 2995-3002.	1.2	5
17	Improved Input and State Estimation for Linear Stochastic Systems with Direct Feedthrough. Asian Journal of Control, 2020, 22, 156-167.	1.9	1
18	Adaptive optimal dynamic surface control of strict feedback nonlinear systems with output constraints. International Journal of Robust and Nonlinear Control, 2020, 30, 2059-2078.	2.1	20

#	ARTICLE	IF	CITATIONS
19	Adaptive control of pure-feedback nonlinear systems with full-state time-varying constraints and unmodeled dynamics. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 183-198.	2.3	15
20	Adaptive neural output feedback control for uncertain nonlinear systems with input quantization and output constraints. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 228-247.	2.3	13
21	Adaptive quantised control of uncertain non-linear systems with state constraints and time-varying delays. <i>IET Control Theory and Applications</i> , 2020, 14, 1308-1320.	1.2	5
22	Finite Time Adaptive Neural Dynamic Surface Control of Nonstrict Feedback Nonlinear Systems Including Dead-Zone and Full State Restrictions. <i>IEEE Access</i> , 2020, 8, 186699-186709.	2.6	1
23	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.	2.3	28
24	Observer-based decentralized adaptive neural control for uncertain interconnected systems with input quantization and time-varying output constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 4979-5003.	2.1	14
25	Adaptive quantized DSC of output-constrained uncertain nonlinear systems with quantized input and input unmodeled dynamics. <i>Journal of the Franklin Institute</i> , 2020, 357, 5199-5225.	1.9	13
26	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.	2.6	16
27	Adaptive neural optimal control of uncertain nonlinear systems with output constraints. <i>Neurocomputing</i> , 2020, 406, 182-195.	3.5	15
28	Model Reference Adaptive Control with Unknown Gain Sign. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 508-514.	0.3	2
29	Adaptive Neural Network Control of Uncertain Systems with Full State Constraints and Unknown Gain Sign. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 515-525.	0.3	0
30	Equivalence of recursive three-step filter and infinity augmented Kalman filter for linear discrete-time stochastic systems with direct feedthrough. <i>IET Control Theory and Applications</i> , 2020, 14, 2696-2702.	1.2	3
31	Simultaneous state and fault estimation based on improved adaptive Kalman filter. , 2020, , .		0
32	Adaptive neural network control for stochastic constrained block structure nonlinear systems with dynamical uncertainties. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019, 33, 1079-1096.	2.3	5
33	Adaptive output feedback control of uncertain nonlinear systems with input delay and output constraint. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019, 33, 972-998.	2.3	6
34	Tolerant control for non-Gaussian stochastic processes with unknown faults via two-step fuzzy modeling. <i>Nonlinear Dynamics</i> , 2019, 95, 2703-2716.	2.7	8
35	Adaptive neural dynamic surface control of MIMO pure-feedback nonlinear systems with output constraints. <i>Neurocomputing</i> , 2019, 333, 101-109.	3.5	23
36	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.	1.9	36

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37	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.	2.1	54
38	Adaptive neural control of constrained strict-feedback nonlinear systems with input unmodeled dynamics. <i>Neurocomputing</i> , 2018, 272, 596-605.	3.5	23
39	Reduced-order K-filters based decentralized fuzzy adaptive control of stochastic large-scale nonlinear systems with stochastic input unmodeled dynamics. <i>Neurocomputing</i> , 2018, 272, 584-595.	3.5	4
40	Robust Adaptive Control of MIMO Nonlinear Systems with Output Constraint and Minimum Adjusting Parameters. , 2018, , .		0
41	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.	2.3	18
42	Adaptive quantized output feedback DSC of uncertain systems with output constraints and unmodeled dynamics based on reduced-order K-filters. <i>Neurocomputing</i> , 2018, 310, 236-245.	3.5	12
43	Adaptive control of output feedback nonlinear systems with unmodeled dynamics and output constraint. <i>Journal of the Franklin Institute</i> , 2017, 354, 5176-5200.	1.9	23
44	Adaptive neural dynamic surface control of strict-feedback nonlinear systems with full state constraints and unmodeled dynamics. <i>Automatica</i> , 2017, 81, 232-239.	3.0	329
45	Adaptive backstepping neural control of state-delayed nonlinear systems with full-state constraints and unmodeled dynamics. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 1704-1722.	2.3	24
46	Sufficient Condition for the Existence of the Compact Set in the RBF Neural Network Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 29, 1-6.	7.2	7
47	Robust adaptive DSC of directly input-coupled nonlinear systems with input unmodeled dynamics and time-varying output constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 4398-4420.	2.1	9
48	Adaptive DSC of stochastic nonlinear systems with input unmodelled dynamics. <i>IET Control Theory and Applications</i> , 2017, 11, 781-790.	1.2	6
49	Multi-agent formation control in switching networks using backstepping design. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 1569-1576.	1.6	15
50	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.	5.9	131
51	Adaptive control of output constrained nonlinear systems based on nonlinear mapping. , 2017, , .		0
52	Adaptive output feedback control of nonlinear systems with prescribed performance and MT-filters. <i>Neurocomputing</i> , 2016, 207, 717-725.	3.5	7
53	Adaptive reduced-order K-filters based DSC of uncertain systems with input unmodeled dynamics and dead-zone. , 2016, , .		1
54	Adaptive backstepping control of time-delayed nonlinear Markovian jump systems. , 2016, , .		0

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55	Decentralized prescribed performance adaptive output feedback control for nonlinear systems with unknown dead-zone. , 2016, , .		1
56	Adaptive output feedback dynamic surface control of nonlinear systems with actuator failures and unmodeled dynamics. , 2016, , .		0
57	Disturbance rejection control of yaw channel of a small-scale unmanned helicopter via Takagiâ€“Sugeno disturbance modeling approach. International Journal of Advanced Robotic Systems, 2016, 13, 172988141667111.	1.3	3
58	Adaptive output feedback dynamic surface control of stochastic nonlinear systems with state and input unmodeled dynamics. International Journal of Adaptive Control and Signal Processing, 2016, 30, 864-887.	2.3	26
59	Adaptive prescribed performance control of output feedback systems including input unmodeled dynamics. Neurocomputing, 2016, 190, 226-236.	3.5	29
60	Adaptive Neural Output Feedback Control of Stochastic Nonlinear Systems with Unmodeled Dynamics. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	3
61	Decentralized adaptive fuzzy output feedback control of stochastic nonlinear large-scale systems with dynamic uncertainties. Information Sciences, 2015, 315, 17-38.	4.0	76
62	Decentralized adaptive output feedback dynamic surface control of interconnected nonlinear systems with unmodeled dynamics. Journal of the Franklin Institute, 2015, 352, 1031-1055.	1.9	30
63	Adaptive output feedback tracking control of stochastic nonlinear systems with dynamic uncertainties. International Journal of Robust and Nonlinear Control, 2015, 25, 1282-1300.	2.1	83
64	Robust PI speed tracking control for PMSM system based on convex optimization algorithm. , 2014, , .		8
65	Adaptive neural control of state delayed nonâ€“linear systems with unmodelled dynamics and distributed timeâ€“varying delays. IET Control Theory and Applications, 2014, 8, 1071-1082.	1.2	23
66	Novel Neural Control for a Class of Uncertain Pure-Feedback Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 718-727.	7.2	75
67	Adaptive neural control of stochastic nonlinear systems with unmodeled dynamics and time-varying state delays. Journal of the Franklin Institute, 2014, 351, 3182-3199.	1.9	39
68	Adaptive output feedback dynamic surface control of nonlinear systems with unmodeled dynamics and unknown high-frequency gain sign. Neurocomputing, 2014, 143, 312-321.	3.5	50
69	Adaptive neural tracking control of pure-feedback nonlinear systems with unknown gain signs and unmodeled dynamics. Neurocomputing, 2013, 121, 290-297.	3.5	64
70	Robust adaptive control with unmodeled dynamics and unknown dead-zones. , 2013, , .		0
71	Research on robot motion control based on local weighted kNN-TD reinforcement learning. , 2012, , .		2
72	Adaptive dynamic surface control of nonlinear systems with perturbed uncertainties in strict-feedback form. , 2012, , .		2

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73	Fuzzy systems-based adaptive fault-tolerant dynamic surface control for a class of high-order nonlinear systems with actuator fault. , 2012, , .		5
74	Adaptive neural tracking control of pure-feedback nonlinear systems. , 2012, , .		1
75	Novel design of adaptive neural network controller for a class of non-affine nonlinear systems. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1107-1116.	1.7	23
76	New results on adaptive neural control of a class of nonlinear systems with uncertain input delay. Neurocomputing, 2012, 83, 22-30.	3.5	21
77	Adaptive tracking control for input delayed MIMO nonlinear systems. Neurocomputing, 2010, 74, 472-480.	3.5	43
78	Adaptive control of MIMO nonlinear systems with disturbances and time delays. , 2010, , .		0
79	Adaptive NN dynamic surface control of strict-feedback nonlinear systems. , 2010, , .		8
80	Adaptive control of time delay nonlinear systems with unknown control direction. , 2010, , .		4
81	Analysis and Control of Synchronization for Heterogeneous Complex Networks with Time-Varying Multiple Delays. , 2009, , .		0
82	Adaptive neural control for a class of output feedback time delay nonlinear systems. Neurocomputing, 2009, 72, 1985-1992.	3.5	42
83	Multi-objective PID control for non-Gaussian stochastic distribution system based on two-step intelligent models. Science in China Series F: Information Sciences, 2009, 52, 1754-1765.	1.1	15
84	Adaptive Neural Network Tracking Control of MIMO Nonlinear Systems With Unknown Dead Zones and Control Directions. IEEE Transactions on Neural Networks, 2009, 20, 483-497.	4.8	320
85	Adaptive control for a class of uncertain chaotic systems with saturation nonlinear input. , 2009, , .		2
86	Robust adaptive control for uncertain systems with discrete and distributed delays. Journal of Control Theory and Applications, 2008, 6, 287-292.	0.8	1
87	Adaptive RBF neural-networks control for a class of time-delay nonlinear systems. Neurocomputing, 2008, 71, 3617-3624.	3.5	62
88	Adaptive fuzzy control for a class of nonlinear time-varying delay systems. , 2008, , .		4
89	Improved adaptive dynamic surface control for a class of strict-feedback nonlinear systems. , 2008, , .		0
90	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

#	ARTICLE	IF	CITATIONS
91	Direct Adaptive NN Control of Nonlinear Systems in Strict-Feedback Form Using Dynamic Surface Control. , 2007, , .		13
92	Adaptive Fuzzy Control for a Class of Nonlinear Systems using Small-gain Theorem. , 2006, , .		0
93	Adaptive Neural Network Control with Unknown Dead-Zone and Gain Sign. , 2006, , .		2
94	Robust adaptive neural control of SISO nonlinear systems with unknown dead-zone and completely unknown control gain. , 2006, , .		10
95	Adaptive Fuzzy Control for a Class of Nonlinear Systems with Unknown Dead-Zone. , 2006, , .		0
96	Model Reference Sliding Mode Control for a Class of SISO Systems with Nonlinear Input. , 2006, , .		3
97	Improved Direct Adaptive Fuzzy Control for a Class of MIMO Nonlinear Systems. , 2006, , .		2
98	Robust adaptive fuzzy control for a class of uncertain nonlinear systems. , 0, , .		3
99	Adaptive fuzzy control for strict-feedback nonlinear systems. , 0, , .		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, , .	2.3	0