

Jing Zhou

List of Publications by Year in descending order

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4,151
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304368

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79
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79
times ranked

1904
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Control Design for Underactuated Cranes With Guaranteed Transient Performance: Theoretical Design and Experimental Verification. IEEE Transactions on Industrial Electronics, 2022, 69, 2822-2832.	5.2	37
2	Adaptive Attitude Control of a Rigid Body With Input and Output Quantization. IEEE Transactions on Industrial Electronics, 2022, 69, 8296-8305.	5.2	7
3	Adaptive Backstepping Control of Uncertain Nonlinear Systems With Input and State Quantization. IEEE Transactions on Automatic Control, 2022, 67, 6754-6761.	3.6	23
4	Distributed Adaptive Control for Asymptotically Consensus Tracking of Uncertain Nonlinear Systems With Intermittent Actuator Faults and Directed Communication Topology. IEEE Transactions on Cybernetics, 2021, 51, 4050-4061.	6.2	22
5	Adaptive backstepping based consensus tracking of uncertain nonlinear systems with event-triggered communication. Automatica, 2021, 133, 109841.	3.0	47
6	Adaptive Backstepping Control of a 2-DOF Helicopter System in the Presence of Quantization. , 2021, , .		1
7	Adaptive Backstepping Attitude Control of a Rigid Body with State Quantization. , 2021, , .		0
8	Adaptive consensus of uncertain nonlinear systems with event triggered communication and intermittent actuator faults. Automatica, 2020, 111, 108667.	3.0	91
9	Distributed adaptive leader-follower and leaderless consensus control of a class of strict-feedback nonlinear systems: a unified approach. Automatica, 2020, 118, 109021.	3.0	102
10	Adaptive Backstepping Control of a 2-DOF Helicopter System with Uniform Quantized Inputs. , 2020, , .		8
11	Event-Triggered Adaptive Control for a Class of Nonlinear Systems with Unknown Time-Varying Parameters. , 2020, , .		0
12	Modeling of Offshore Crane and Marine Craft in Wave Motion. , 2020, , .		4
13	Kick Detection and Influx Size Estimation during Offshore Drilling Operations using Deep Learning. , 2019, , .		9
14	Adaptive Backstepping Control of Nonlinear Uncertain Systems With Quantized States. IEEE Transactions on Automatic Control, 2019, 64, 4756-4763.	3.6	130
15	Adaptive Backstepping Control of a 2-DOF Helicopter. , 2019, , .		5
16	Adaptive Tracking Control of Nonlinear Time-Varying Systems with Unknown Control Coefficients and Unknown Time-Varying Parameters. , 2019, , .		0
17	Event-triggered robust adaptive control for discrete time uncertain systems with unmodelled dynamics and disturbances. IET Control Theory and Applications, 2019, 13, 3124-3131.	1.2	1
18	Adaptive control of a class of strict-feedback time-varying nonlinear systems with unknown control coefficients. Automatica, 2018, 93, 98-105.	3.0	122

#	ARTICLE	IF	CITATIONS
19	Distributed Adaptive Consensus Tracking Control of Uncertain High-order Nonlinear Systems under Directed Graph Condition. , 2018, , .		0
20	Adaptive PI Control of Bottom Hole Pressure during Oil Well Drilling. IFAC-PapersOnLine, 2018, 51, 166-171.	0.5	6
21	Adaptive Asymptotically Tracking Control for Uncertain Strict-feedback Nonlinear Systems With Input Quantization. , 2018, , .		2
22	Adaptive control of uncertain nonlinear systems with quantized input signal. Automatica, 2018, 95, 152-162.	3.0	133
23	Modelling of a hydro-pneumatic system for heave compensation. , 2018, , .		1
24	Modeling and simulation of an offshore crane. , 2018, , .		1
25	Robust adaptive tracking control of uncertain systems with time-varying input delays. International Journal of Systems Science, 2017, 48, 3440-3449.	3.7	6
26	Decentralized Adaptive Control for Interconnected Nonlinear Systems with Input Quantization. IFAC-PapersOnLine, 2017, 50, 10419-10424.	0.5	10
27	Adaptive Control of Quantized Uncertain Nonlinear Systems. IFAC-PapersOnLine, 2017, 50, 10425-10430.	0.5	14
28	Adaptive control of uncertain nonlinear systems with time-varying parameters and disturbances. , 2017, , .		0
29	Conclusion and research topics. , 2017, , 243-246.		0
30	Adaptive control of a drilling system with unknown time-delay and disturbance. , 2016, , .		0
31	Robust adaptive tracking control of uncertain systems with time-varying input delays. IET Control Theory and Applications, 2016, , .	1.2	0
32	Adaptive backstepping control of uncertain systems in the presence of unmodeled dynamics and time-varying delays. , 2016, , .		3
33	Adaptive predictor control for stabilizing pressure in a managed pressure drilling system under time-delay. Journal of Process Control, 2016, 40, 106-118.	1.7	19
34	Automated Kick Control Procedure for an Influx in Managed Pressure Drilling Operations. Modeling, Identification and Control, 2016, 37, 31-40.	0.6	5
35	Adaptive Backstepping Stabilization of Nonlinear Uncertain Systems With Quantized Input Signal. IEEE Transactions on Automatic Control, 2014, 59, 460-464.	3.6	395
36	Adaptive observer design and parameter estimation for a class of uncertain systems. , 2013, , .		0

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37	Adaptive backstepping control of uncertain nonlinear systems with input quantization. , 2013, , .		10
38	Adaptive feedback control of magnetic suspension system preceded by Bouc-Wen hysteresis. , 2012, , .		1
39	Adaptive decentralised control of parallel DC-DC converter systems. International Journal of Systems, Control and Communications, 2012, 4, 134.	0.2	0
40	Adaptive decentralized control of DC-DC converter systems. , 2012, , .		4
41	Adaptive Output Feedback Control of Uncertain Nonlinear Systems With Hysteresis Nonlinearity. IEEE Transactions on Automatic Control, 2012, 57, 2627-2633.	3.6	189
42	Decentralized adaptive backstepping stabilization of interconnected systems with input time delays in dynamic interactions. International Journal of Adaptive Control and Signal Processing, 2012, 26, 285-301.	2.3	0
43	Switched Control for Pressure Regulation and Kick Attenuation in a Managed Pressure Drilling System. IEEE Transactions on Control Systems Technology, 2011, 19, 337-350.	3.2	79
44	Robust Adaptive Control of Uncertain Nonlinear Systems in the Presence of Input Saturation and External Disturbance. IEEE Transactions on Automatic Control, 2011, 56, 1672-1678.	3.6	917
45	Automatic model-based control scheme for stabilizing pressure during dual-gradient drilling. Journal of Process Control, 2011, 21, 1138-1147.	1.7	40
46	Control and estimation of downhole pressure in managed pressure drilling operations. , 2010, , .		8
47	Adaptive observer for kick detection and switched control for bottomhole pressure regulation and kick attenuation during managed pressure drilling. , 2010, , .		14
48	Adaptive observer design for nonlinear systems with parametric uncertainties in unmeasured state dynamics. , 2009, , .		14
49	Decentralized adaptive backstepping stabilization of interconnected systems with dynamic input and output interactions. Automatica, 2009, 45, 55-67.	3.0	129
50	Adaptive backstepping control of uncertain systems with unknown input time-delay. Automatica, 2009, 45, 1415-1422.	3.0	112
51	Adaptive neural network control of uncertain nonlinear plants with input saturation. , 2009, , .		6
52	Pressure regulation with kick attenuation in a managed pressure drilling system. , 2009, , .		20
53	Decentralized adaptive control for large-scale time-delay systems with dead-zone input. Automatica, 2008, 44, 1790-1799.	3.0	179
54	Decentralized Backstepping Adaptive Output Tracking of Interconnected Nonlinear Systems. IEEE Transactions on Automatic Control, 2008, 53, 2378-2384.	3.6	130

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55	Decentralized adaptive backstepping stabilization of nonlinear interconnected systems. , 2008, , .		5
56	Adaptive output feedback control of a managed pressure drilling system. , 2008, , .		11
57	Nonlinear observer-based control of unstable wells. , 2008, , .		2
58	Nonlinear adaptive observer control for a riser slugging system in unstable wells. , 2008, , .		4
59	Adaptive observer design for the bottomhole pressure of a managed pressure drilling system. , 2008, , .		58
60	New results in decentralized adaptive backstepping stabilization of nonlinear interconnected systems. , 2008, , .		0
61	Nonsmooth Nonlinearities. , 2008, , 83-96.		9
62	Adaptive Backstepping Control of Uncertain Chaotic Systems. , 2007, , .		12
63	Adaptive Inverse Control of a Magnetic Suspension System with Input Backlash. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	1
64	Robust Adaptive Control of Valve Mechanism with Unknown Backlash Nonlinearity. , 2007, , .		1
65	Robust Adaptive Output Control of Uncertain Nonlinear Plants With Unknown Backlash Nonlinearity. IEEE Transactions on Automatic Control, 2007, 52, 503-509.	3.6	187
66	Adaptive Output Control of Uncertain Nonlinear Systems with Unknown Backlash. Proceedings of the American Control Conference, 2007, , .	0.0	5
67	ADAPTIVE BACKSTEPPING CONTROL OF A PIEZO-POSITIONING MECHANISM WITH HYSTERESIS. Transactions of the Canadian Society for Mechanical Engineering, 2007, 31, 97-110.	0.3	10
68	Adaptive output control of a class of uncertain chaotic systems. Systems and Control Letters, 2007, 56, 452-460.	1.3	23
69	Decentralized adaptive stabilization in the presence of unknown backlash-like hysteresis. Automatica, 2007, 43, 426-440.	3.0	143
70	Adaptive neural network control of uncertain nonlinear systems with nonsmooth actuator nonlinearities. Neurocomputing, 2007, 70, 1062-1070.	3.5	40
71	Adaptive Neural Network Control of Uncertain Nonlinear Systems in the Presence of Input Saturation. , 2006, , .		22
72	ROBUST ADAPTIVE CONTROL OF UNCERTAIN NONLINEAR SYSTEMS IN THE PRESENCE OF INPUT SATURATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 149-154.	0.4	33

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73	Adaptive Control of a Base Isolated System for Protection of Building Structures. Journal of Vibration and Acoustics, Transactions of the ASME, 2006, 128, 261-268.	1.0	11
74	Adaptive output control of nonlinear time-delayed systems with uncertain dead-zone input. , 2006, , .		5
75	ADAPTIVE BACKSTEPPING CONTROL OF SYSTEMS WITH UNCERTAIN NONSMOOTH ACTUATOR NONLINEARITY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 247-252.	0.4	0
76	Adaptive Backstepping Control of a Class of Uncertain Nonlinear Systems With Unknown Backlash-Like Hysteresis. IEEE Transactions on Automatic Control, 2004, 49, 1751-1757.	3.6	508
77	Adaptive output feedback control of linear systems preceded by unknown backlash-like hysteresis. , 0, , .		0
78	Backstepping control of a class of nonlinear systems with unknown dead-zone. , 0, , .		5
79	Decentralized Adaptive Sabilization for Large-Scale Systems with Unknown Time-Delay. , 0, , .		0