

Xiuyu Zhang

List of Publications by Year in descending order

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61
docs citations

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times ranked

1627
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete-Time Adaptive Neural Tracking Control and Its Experiments for Quadrotor Unmanned Aerial Vehicle Systems. IEEE/ASME Transactions on Mechatronics, 2023, 28, 1201-1212.	5.8	17
2	Development of a Butterfly Fractional-Order Backlash-Like Hysteresis Model for Dielectric Elastomer Actuators. IEEE Transactions on Industrial Electronics, 2023, 70, 1794-1801.	7.9	3
3	Modeling and Adaptive Output Feedback Control of Butterfly-Like Hysteretic Nonlinear Systems With Creep and Their Applications. IEEE Transactions on Industrial Electronics, 2023, 70, 5182-5191.	7.9	5
4	Adaptive Neural Digital Control of Hysteretic Systems With Implicit Inverse Compensator and Its Application on Magnetostrictive Actuator. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 667-680.	11.3	18
5	All state constrained decentralized adaptive implicit inversion control for a class of large scale nonlinear hysteretic systems with time-delays. Information Sciences, 2022, 588, 52-66.	6.9	5
6	Research on Optimization of User Side Benefit in Smart Grid Based on Game Theory. , 2022, , .		0
7	Adaptive Neural approximated Inverse Control for Heliostat in Tower Solar plant. , 2022, , .		0
8	Grid Load Forecasting Based on Dual Attention BiGRU and DILATE Loss Function. IEEE Access, 2022, 10, 64569-64579.	4.2	5
9	Funnel Control of Uncertain High-Order Nonlinear Systems With Unknown Rational Powers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5732-5741.	9.3	10
10	Compound Adaptive Fuzzy Quantized Control for Quadrotor and Its Experimental Verification. IEEE Transactions on Cybernetics, 2021, 51, 1121-1133.	9.5	69
11	Adaptive Pseudo Inverse Control for a Class of Nonlinear Asymmetric and Saturated Nonlinear Hysteretic Systems. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 916-928.	13.1	28
12	Decentralized Adaptive Control for a Class of Large Scale Nonlinear Asymmetric Saturation Hysteretic Systems with All States Constrained. , 2021, , .		0
13	Adaptive Output Feedback Dynamic Surface Control for a Class of Quadrotor UAVs with External Disturbance. , 2021, , .		0
14	Development of a Modified Bouc-Wen Model for Butterfly Hysteresis Behaviors. , 2021, , .		0
15	Development of a butterfly hysteresis structure for dielectric elastomer-actuated systems. Smart Materials and Structures, 2021, 30, 125006.	3.5	4
16	Modeling of butterfly-shaped hysteresis in dielectric elastomer actuators. AIP Advances, 2021, 11, 125303.	1.3	0
17	Event-Triggered Based Adaptive Dynamic Surface Control for a Class of Quadrotor UAVs. , 2021, , .		0
18	Adaptive Discrete Time Dynamic Surface Control for Aircraft Flight Path Angle with Unknown Disturbances. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Adaptive fuzzy dynamic surface sliding mode control of large-scale power systems with prescribe output tracking performance. ISA Transactions, 2020, 99, 305-321.	5.7	34
20	Output Feedback Adaptive Motion Control and Its Experimental Verification for Time-Delay Nonlinear Systems With Asymmetric Hysteresis. IEEE Transactions on Industrial Electronics, 2020, 67, 6824-6834.	7.9	53
21	Adaptive Robust Dynamic Surface Integral Sliding Mode Control for Quadrotor UAVs under Parametric Uncertainties and External Disturbances. Complexity, 2020, 2020, 1-20.	1.6	6
22	Adaptive Fuzzy Dynamic Surface Control for Multi-Machine Power System Based on Composite Learning Method and Disturbance Observer. IEEE Access, 2020, 8, 163163-163175.	4.2	7
23	Adaptive Implicit Inverse Control for a Class of Discrete-Time Hysteretic Nonlinear Systems and Its Application. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2112-2122.	5.8	37
24	Output Feedback Adaptive Dynamic Surface Sliding-Mode Control for Quadrotor UAVs with Tracking Error Constraints. Complexity, 2020, 2020, 1-23.	1.6	37
25	Development of a combined Prandtl Ishlinskiï€œPreisach model. Sensors and Actuators A: Physical, 2020, 304, 111797.	4.1	16
26	Remaining Useful Life Prediction of Lithium-Ion Batteries Using Support Vector Regression Optimized by Artificial Bee Colony. IEEE Transactions on Vehicular Technology, 2019, 68, 9543-9553.	6.3	85
27	Adaptive Discrete-Time Estimated Inverse Control for Piezoelectric Positioning Stage. IEEE Access, 2019, 7, 155120-155129.	4.2	3
28	Neural Networks-based Robust Adaptive Dynamic Surface Sliding Mode Control of Flight Path Angle with Tracking Error Constraints. , 2019, , .		2
29	Decentralized robust adaptive neural dynamic surface control for multiï€œmachine excitation systems with static var compensator. International Journal of Adaptive Control and Signal Processing, 2019, 33, 92-113.	4.1	17
30	Adaptive Estimated Inverse Output-Feedback Quantized Control for Piezoelectric Positioning Stage. IEEE Transactions on Cybernetics, 2019, 49, 2106-2118.	9.5	125
31	Decentralized Adaptive Neural Approximated Inverse Control for a Class of Large-Scale Nonlinear Hysteretic Systems With Time Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2424-2437.	9.3	99
32	Approximate error considered fuzzy proportionalï€œintegral control of DFIG with regional pole placement for FRT improvement. IET Generation, Transmission and Distribution, 2018, 12, 335-346.	2.5	6
33	An Improved Flux Magnitude and Angle Control With LVRT Capability for DFIGs. IEEE Transactions on Power Systems, 2018, 33, 3845-3853.	6.5	18
34	Distributed Adaptive Containment Control for a Class of Nonlinear Multiagent Systems With Input Quantization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2419-2428.	11.3	42
35	Decentralized Adaptive Dynamic Surface Control for Large-scale Multi-machine Power Systems with Unknown Time Delay. , 2018, , .		0
36	Decentralized Adaptive Quantized Excitation Control for Multi-Machine Power Systems by Considering the Line-Transmission Delays. IEEE Access, 2018, 6, 61918-61933.	4.2	20

#	ARTICLE	IF	CITATIONS
37	Uncertainty Considered Automatic Voltage Regulator of Synchronous Generator. , 2018, , .		0
38	A neural power system stabilizer of DFIGs for power system stability support. International Transactions on Electrical Energy Systems, 2018, 28, e2547.	1.9	14
39	Sliding Mode Tracking Control With Perturbation Estimation for Hysteresis Nonlinearity of Piezo-Actuated Stages. IEEE Access, 2018, 6, 30617-30629.	4.2	40
40	Fuzzy Approximator Based Adaptive Dynamic Surface Control for Unknown Time Delay Nonlinear Systems With Input Asymmetric Hysteresis Nonlinearities. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2218-2232.	9.3	24
41	Robust adaptive output feedback control for a class of nonlinear systems with hysteresis compensation controller. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1636-1654.	4.1	5
42	Neural Networks Approximator Based Robust Adaptive Controller Design of Hypersonic Flight Vehicles Systems Coupled with Stochastic Disturbance and Dynamic Uncertainties. Mathematical Problems in Engineering, 2017, 2017, 1-10.	1.1	2
43	Neural Adaptive Decentralized Coordinated Control with Fault-Tolerant Capability for DFIGs under Stochastic Disturbances. Mathematical Problems in Engineering, 2017, 2017, 1-16.	1.1	0
44	Neural networks approximator based adaptive prescribed performance tracking control for hypersonic flight vehicles systems. , 2017, , .		0
45	Modeling hysteresis for magnetostrictive actuators. , 2016, , .		0
46	Design of Implementable Adaptive Control for Micro/Nano Positioning System Driven by Piezoelectric Actuator. IEEE Transactions on Industrial Electronics, 2016, 63, 6471-6481.	7.9	103
47	Implementable Adaptive Inverse Control of Hysteretic Systems via Output Feedback With Application to Piezoelectric Positioning Stages. IEEE Transactions on Industrial Electronics, 2016, 63, 5733-5743.	7.9	59
48	Adaptive Neural Network Dynamic Surface Control for a Class of Time-Delay Nonlinear Systems With Hysteresis Inputs and Dynamic Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2844-2860.	11.3	63
49	Robust Adaptive Inverse Control of a Class of Nonlinear Systems With Prandtl-Ishlinskii Hysteresis Model. IEEE Transactions on Automatic Control, 2014, 59, 2170-2175.	5.7	94
50	Modeling and inverse adaptive control of asymmetric hysteresis systems with applications to magnetostrictive actuator. Control Engineering Practice, 2014, 33, 148-160.	5.5	51
51	Compensation of Hysteresis Nonlinearity in Magnetostrictive Actuators With Inverse Multiplicative Structure for Preisach Model. IEEE Transactions on Automation Science and Engineering, 2014, 11, 613-619.	5.2	96
52	Neural-Adaptive Control of Single-Master Multiple-Slaves Teleoperation for Coordinated Multiple Mobile Manipulators With Time-Varying Communication Delays and Input Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1400-1413.	11.3	155
53	High-gain observer based decentralised output feedback control for interconnected nonlinear systems with unknown hysteresis input. International Journal of Control, 2013, 86, 1046-1059.	1.9	30
54	Adaptive control for a class of nonlinear time-delay systems preceded by unknown hysteresis. International Journal of Systems Science, 2013, 44, 1468-1482.	5.5	22

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55	An Analytical Generalized Prandtl-Ishlinskii Model Inversion for Hysteresis Compensation in Micropositioning Control. IEEE/ASME Transactions on Mechatronics, 2011, 16, 734-744.	5.8	355
56	Adaptive Control for Uncertain Continuous-Time Systems Using Implicit Inversion of Prandtl-Ishlinskii Hysteresis Representation. IEEE Transactions on Automatic Control, 2010, 55, 2357-2363.	5.7	90
57	Adaptive Neural Control for a Class of Nonlinear Systems With Uncertain Hysteresis Inputs and Time-Varying State Delays. IEEE Transactions on Neural Networks, 2009, 20, 1148-1164.	4.2	83
58	Adaptive Neural Control for a Class of Uncertain Nonlinear Systems in Pure-Feedback Form With Hysteresis Input. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 431-443.	5.0	187
59	Adaptive Control for the Systems Preceded by Hysteresis. IEEE Transactions on Automatic Control, 2008, 53, 1019-1025.	5.7	95
60	Robust adaptive control of a class of nonlinear systems including actuator hysteresis with Prandtl-Ishlinskii presentations. Automatica, 2006, 42, 859-867.	5.0	137
61	Adaptive variable structure control of a class of nonlinear systems with unknown Prandtl-Ishlinskii hysteresis. IEEE Transactions on Automatic Control, 2005, 50, 2069-2074.	5.7	270