Jing Zhou

List of Publications by Year in descending order

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87888 62596 7,134 160 38 80 h-index citations g-index papers 164 164 164 5957 docs citations times ranked citing authors all docs

#	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.	7.9	37
2	Attitudes towards rural migrants and their influence on return migration in China. Population, Space and Place, 2022, 28, e2509.	2.3	6
3	Adaptive Attitude Control of a Rigid Body With Input and Output Quantization. IEEE Transactions on Industrial Electronics, 2022, 69, 8296-8305.	7.9	7
4	Optimization of interfacial characteristics of antimony sulfide selenide solar cells with double electron transport layer structure. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 038802.	0.5	O
5	To settle but not convert hukou among rural migrants in urban China: How does family-level eligibility for citizenship benefits matter?. Habitat International, 2022, 120, 102511.	5.8	15
6	Effects of shining pondweed (Potamogeton lucens) on bacterial communities in water and rhizosphere sediments in Nansi Lake, China. Environmental Science and Pollution Research, 2022, 29, 51665-51673.	5.3	3
7	Theoretical Insight into Highâ€Efficiency Tripleâ€Junction Tandem Solar Cells via the Band Engineering of Antimony Chalcogenides. Solar Rrl, 2021, 5, 2000800.	5.8	70
8	Intra-national citizenship and dual-hukou strategies among migrant families in China. Habitat International, 2021, 108, 102311.	5.8	11
9	Combined role of polarization matching and critical coupling in enhanced absorption of 2D materials based on metamaterials. Optics Express, 2021, 29, 9269.	3.4	13
10	Dynamically tunable ultra-narrowband perfect absorbers for the visible-to-infrared range based on a microcavity integrated graphene pair. Optics Letters, 2021, 46, 2236.	3.3	10
11	Double-sided optical coating of strongly curved glass by atomic layer deposition. Optics Express, 2021, 29, 13815.	3.4	6
12	Nonlocal effective-medium theory for periodic multilayered metamaterials. Journal of Optics (United) Tj ETQq0 C	0 0 rgBT /C	verlock 10 Tf :
13	Substrate dependence on (Sb4Se6)n ribbon orientations of antimony selenide thin films: Morphology, carrier transport and photovoltaic performance. Journal of Alloys and Compounds, 2021, 862, 158703.	5. 5	40
14	Carbon Nanotube Far Infrared Detectors with High Responsivity and Superior Polarization Selectivity Based on Engineered Optical Antennas. Sensors, 2021, 21, 5221.	3.8	2
15	Integrated Photonic Structure Enhanced Infrared Photodetectors. Advanced Photonics Research, 2021, 2, 2000187.	3.6	5
16	Quantum well infrared detectors enhanced by faceted plasmonic cavities. Infrared Physics and Technology, 2021, 116, 103746.	2.9	12
17	Cavity coupled plasmonic resonator enhanced infrared detectors. Applied Physics Letters, 2021, 119, .	3.3	6
18	Narrowband tunable graphene perfect absorber based on dielectric microcavity in mid-infrared. , 2021, , .		0

#	Article	lF	Citations
19	Metamaterial optical antennas powered carbon nanotube detectors with extremely high polarization selectivity. , $2021, , .$		0
20	Rotational design of charge carrier transport layers for optimal antimony trisulfide solar cells and its integration in tandem devices. Solar Energy Materials and Solar Cells, 2020, 206, 110279.	6.2	88
21	Adaptive consensus of uncertain nonlinear systems with event triggered communication and intermittent actuator faults. Automatica, 2020, 111, 108667.	5.0	91
22	A Dualâ€Gate MoS ₂ Photodetector Based on Interface Coupling Effect. Small, 2020, 16, e1904369.	10.0	65
23	Enhanced infrared photoresponse induced by symmetry breaking in a hybrid structure of graphene and plasmonic nanocavities. Carbon, 2020, 170, 49-58.	10.3	15
24	Dual-function of CdCl2 treated SnO2 in Sb2Se3 solar cells. Applied Surface Science, 2020, 534, 147632.	6.1	30
25	A novel and fast method to prepare a Cu-supported α-Sb ₂ S ₃ @CuSbS ₂ binder-free electrode for sodium-ion batteries. RSC Advances, 2020, 10, 29567-29574.	3.6	15
26	Distributed adaptive leader–follower and leaderless consensus control of a class of strict-feedback nonlinear systems: a unified approach. Automatica, 2020, 118, 109021.	5.0	102
27	Tuning Electrical and Optical Properties of MoSe ₂ Transistors via Elemental Doping. Advanced Materials Technologies, 2020, 5, 2000307.	5.8	15
28	Highly polarization-sensitive far infrared detector based on an optical antenna integrated aligned carbon nanotube film. Nanoscale, 2020, 12, 11808-11817.	5.6	12
29	Circular Polarization Discrimination Enhanced by Anisotropic Media. Advanced Optical Materials, 2020, 8, 1901800.	7.3	20
30	Ultrathin microcrystalline hydrogenated Si/Ge alloyed tandem solar cells towards full solar spectrum conversion. Frontiers of Chemical Science and Engineering, 2020, 14, 997-1005.	4.4	32
31	HgCdTe mid-Infrared photo response enhanced by monolithically integrated meta-lenses. Scientific Reports, 2020, 10, 6372.	3.3	23
32	Absorption enhancement in all-semiconductor plasmonic cavity integrated THz quantum well infrared photodetectors. Optics Express, 2020, 28, 16427.	3.4	13
33	Adaptive Backstepping Control of a 2-DOF Helicopter System with Uniform Quantized Inputs. , 2020, , .		8
34	Event-Triggered Adaptive Control for a Class of Nonlinear Systems with Unknown Time-Varying Parameters. , 2020, , .		0
35	Modeling of Offshore Crane and Marine Craft in Wave Motion. , 2020, , .		4
36	Kick Detection and Influx Size Estimation during Offshore Drilling Operations using Deep Learning. , 2019, , .		9

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37	Enhanced polarization sensitivity by plasmonic-cavity in graphene phototransistors. Journal of Applied Physics, 2019, 126, .	2.5	19
38	Mitochondrial genome of Lemnia saucia Mulsant (Coleoptera: Coccinellidae) and phylogenetic analysis. Mitochondrial DNA Part B: Resources, 2019, 4, 1441-1442.	0.4	1
39	Realization of Both High Absorption of Active Materials and Low Ohmic Loss in Plasmonic Cavities. Advanced Optical Materials, 2019, 7, 1801627.	7.3	23
40	Adaptive Backstepping Control of Nonlinear Uncertain Systems With Quantized States. IEEE Transactions on Automatic Control, 2019, 64, 4756-4763.	5.7	130
41	Cut-off wavelength manipulation of pixel-level plasmonic microcavity for long wavelength infrared detection. Applied Physics Letters, 2019, 114, .	3.3	6
42	Adaptive Backstepping Control of a 2-DOF Helicopter. , 2019, , .		5
43	Adaptive Tracking Control of Nonlinear Time-Varying Systems with Unknown Control Coefficients and Unknown Time-Varying Parameters. , 2019, , .		0
44	Eventâ€triggered robust adaptive control for discrete time uncertain systems with unmodelled dynamics and disturbances. IET Control Theory and Applications, 2019, 13, 3124-3131.	2.1	1
45	Large-area, lithography-free, narrow-band and highly directional thermal emitter. Nanoscale, 2019, 11, 19742-19750.	5 . 6	39
46	Fewâ€Layer Bismuthene with Anisotropic Expansion for Highâ€Arealâ€Capacity Sodiumâ€Ion Batteries. Advanced Materials, 2019, 31, e1807874.	21.0	165
47	A densely packed Sb2O3nanosheet–graphene aerogel toward advanced sodium-ion batteries. Nanoscale, 2018, 10, 9108-9114.	5.6	46
48	A multi-pattern compensation method to ensure even temperature in composite materials during microwave curing process. Composites Part A: Applied Science and Manufacturing, 2018, 107, 10-20.	7.6	36
49	Room-temperature photoconduction assisted by hot-carriers in graphene for sub-terahertz detection. Carbon, 2018, 130, 233-240.	10.3	26
50	The <scp>New Urbanisation Plan</scp> and permanent urban settlement of migrants in <scp>Chongqing, China</scp> . Population, Space and Place, 2018, 24, e2144.	2.3	41
51	Application of 3D hierarchical monoclinic-type structural Sb-doped WO ₃ towards NO ₂ gas detection at low temperature. Nanoscale, 2018, 10, 7440-7450.	5.6	54
52	Adaptive control of a class of strict-feedback time-varying nonlinear systems with unknown control coefficients. Automatica, 2018, 93, 98-105.	5.0	122
53	Top-gated black phosphorus phototransistor for sensitive broadband detection. Nanoscale, 2018, 10, 5852-5858.	5.6	19
54	Dielectric properties of continuous fiber reinforced polymer composites: Modeling, validation, and application. Polymer Composites, 2018, 39, 4646-4655.	4.6	7

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55	Distributed Adaptive Consensus Tracking Control of Uncertain High-order Nonlinear Systems under Directed Graph Condition., 2018,,.		O
56	Adaptive PI Control of Bottom Hole Pressure during Oil Well Drilling. IFAC-PapersOnLine, 2018, 51, 166-171.	0.9	6
57	Adaptive Asymptotically Tracking Control for Uncertain Strict-feedback Nonlinear Systems With Input Quantization. , 2018, , .		2
58	High extinction ratio super pixel for long wavelength infrared polarization imaging detection based on plasmonic microcavity quantum well infrared photodetectors. Scientific Reports, 2018, 8, 15070.	3.3	29
59	Reconstructing a plasmonic metasurface for a broadband high-efficiency optical vortex in the visible frequency. Nanoscale, 2018, 10, 12378-12385.	5.6	13
60	Facile synthesis of an urchin-like Sb ₂ S ₃ nanostructure with high photocatalytic activity. RSC Advances, 2018, 8, 18451-18455.	3.6	12
61	Adaptive control of uncertain nonlinear systems with quantized input signal. Automatica, 2018, 95, 152-162.	5.0	133
62	All-dielectric resonant waveguide based quantum well infrared photodetectors for hyperspectral detection. Optics Communications, 2018, 427, 196-201.	2.1	16
63	Modelling of a hydro-pneumatic system for heave compensation. , 2018, , .		1
64	Housing preferences and access to public rental housing among migrants in Chongqing, China. Habitat International, 2018, 79, 42-50.	5.8	14
65	Modeling and simulation of an offshore crane. , 2018, , .		1
66	Effect of long-term fertilization strategies on bacterial community composition in a 35-year field experiment of Chinese Mollisols. AMB Express, 2018, 8, 20.	3.0	26
67	Curing multidirectional carbon fiber reinforced polymer composites with indirect microwave heating. International Journal of Advanced Manufacturing Technology, 2018, 97, 1137-1147.	3.0	38
68	Role of carbon quantum dots in titania based photoelectrodes: Upconversion or others?. Journal of Colloid and Interface Science, 2018, 529, 396-403.	9.4	12
69	Visualizing Mie Resonances in Low-Index Dielectric Nanoparticles. Physical Review Letters, 2018, 120, 253902.	7.8	28
70	Toward Sensitive Roomâ€Temperature Broadband Detection from Infrared to Terahertz with Antennaâ€Integrated Black Phosphorus Photoconductor. Advanced Functional Materials, 2017, 27, 1604414.	14.9	88
71	Enhanced interlaminar fracture toughness of carbon fiber/bismaleimide composites via microwave curing. Journal of Composite Materials, 2017, 51, 2585-2595.	2.4	20
72	Housing and Welfare Regimes: Examining the Changing Role of Public Housing in China. The Housingory and Society, 2017, 34, 253-276.	2.4	39

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73	Robust adaptive tracking control of uncertain systems with time-varying input delays. International Journal of Systems Science, 2017, 48, 3440-3449.	5. 5	6
74	Engineering Light at the Nanoscale: Structural Color Filters and Broadband Perfect Absorbers. Advanced Optical Materials, 2017, 5, 1700368.	7.3	141
75	Wavelength scale terahertz spectrometer based on extraordinary transmission. Applied Physics Letters, 2017, 111, 063503.	3.3	2
76	Consistent effects of nitrogen fertilization on soil bacterial communities in black soils for two crop seasons in China. Scientific Reports, 2017, 7, 3267.	3.3	94
77	Semitransparent and Flexible Mechanically Reconfigurable Electrically Small Antennas Based on Tortuous Metallic Micromesh. IEEE Transactions on Antennas and Propagation, 2017, 65, 150-158.	5.1	58
78	Analysis of the effect and mechanism of microwave curing on the chemical shrinkage of epoxy resins. High Performance Polymers, 2017, 29, 1165-1174.	1.8	13
79	The resurgence of public housing provision in China: the Chongqing programme. Housing Studies, 2017, 32, 428-448.	2.4	40
80	Decentralized Adaptive Control for Interconnected Nonlinear Systems with Input Quantization. IFAC-PapersOnLine, 2017, 50, 10419-10424.	0.9	10
81	Adaptive Control of Quantized Uncertain Nonlinear Systems. IFAC-PapersOnLine, 2017, 50, 10425-10430.	0.9	14
82	Adaptive control of uncertain nonlinear systems with time-varying parameters and disturbances. , 2017, , .		0
83	Efficient Thermalâ€"Light Interconversions Based on Optical Topological Transition in the Metalâ€Dielectric Multilayered Metamaterials . Advanced Materials, 2016, 28, 3017-3023.	21.0	38
84	Adaptive control of a drilling system with unknown time-delay and disturbance. , 2016, , .		0
85	Large-Area High Aspect Ratio Plasmonic Interference Lithography Utilizing a Single High- <i>k</i> Mode. ACS Nano, 2016, 10, 4039-4045.	14.6	58
86	Interfacial shear strength of microwave processed carbon fiber/epoxy composites characterized by an improved fiber-bundle pull-out test. Composites Science and Technology, 2016, 133, 173-183.	7.8	70
87	Angle Robust Reflection/Transmission Plasmonic Filters Using Ultrathin Metal Patch Array. Advanced Optical Materials, 2016, 4, 1981-1986.	7.3	44
88	3D nest-shaped Sb ₂ O ₃ /RGO composite based high-performance lithium-ion batteries. Nanoscale, 2016, 8, 17131-17135.	5.6	45
89	Facile synthesis of novel nest-shaped Sb ₂ O ₃ micro/nanostructures and their optical properties. RSC Advances, 2016, 6, 89799-89802.	3.6	6
90	Light Coupling Engineering of a Double-Pinhole Nanoresonator. Journal of Nanoscience and Nanotechnology, 2016, 16, 8130-8134.	0.9	0

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91	Adaptive backstepping control of uncertain systems in the presence of unmodeled dynamics and time-varying delays. , $2016, $, .		3
92	Thirty four years of nitrogen fertilization decreases fungal diversity and alters fungal community composition in black soil in northeast China. Soil Biology and Biochemistry, 2016, 95, 135-143.	8.8	257
93	Adaptive predictor control for stabilizing pressure in a managed pressure drilling system under time-delay. Journal of Process Control, 2016, 40, 106-118.	3.3	19
94	Non-uniform distribution in $\hat{A}\mu c$ -Si1 \hat{a} °xGex:H and its influence on thin film and device performance. Solar Energy Materials and Solar Cells, 2016, 151, 1-6.	6.2	16
95	Automated Kick Control Procedure for an Influx in Managed Pressure Drilling Operations. Modeling, Identification and Control, 2016, 37, 31-40.	1.1	5
96	White light emission and optical gains from a Si nanocrystal thin film. Nanotechnology, 2015, 26, 475203.	2.6	24
97	Band gap grading in microcrystalline silicon germanium thin film solar cells. Journal of Alloys and Compounds, 2015, 632, 456-459.	5.5	16
98	Drilling delamination and thermal damage of carbon nanotube/carbon fiber reinforced epoxy composites processed by microwave curing. International Journal of Machine Tools and Manufacture, 2015, 97, 11-17.	13.4	69
99	Influence of 34-years of fertilization on bacterial communities in an intensively cultivated black soil in northeast China. Soil Biology and Biochemistry, 2015, 90, 42-51.	8.8	308
100	Achieving angle-insensitive spectrum filter with the slit nanoresonator array structure. Journal of Nanophotonics, 2014, 9, 093795.	1.0	5
101	Adaptive Backstepping Stabilization of Nonlinear Uncertain Systems With Quantized Input Signal. IEEE Transactions on Automatic Control, 2014, 59, 460-464.	5.7	395
102	Experiment and Theory of the Broadband Absorption by a Tapered Hyperbolic Metamaterial Array. ACS Photonics, 2014, 1, 618-624.	6.6	208
103	Transition from a spectrum filter to a polarizer in a metallic nano-slit array. Scientific Reports, 2014, 4, 3614.	3.3	35
104	Adaptive observer design and parameter estimation for a class of uncertain systems., 2013,,.		0
105	Adaptive backstepping control of uncertain nonlinear systems with input quantization. , 2013, , .		10
106	A close to unity and all-solar-spectrum absorption by ion-sputtering induced Si nanocone arrays. Optics Express, 2012, 20, 22087.	3.4	25
107	Adaptive feedback control of magnetic suspension system preceded by Bouc-Wen hysteresis. , 2012, , .		1
108	Adaptive decentralised control of parallel DC-DC converter systems. International Journal of Systems, Control and Communications, 2012, 4, 134.	0.3	0

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109	Adaptive decentralized control of DC-DC converter systems., 2012,,.		4
110	Adaptive Output Feedback Control of Uncertain Nonlinear Systems With Hysteresis Nonlinearity. IEEE Transactions on Automatic Control, 2012, 57, 2627-2633.	5.7	189
111	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.	4.1	0
112	Nonlinear adaptive observer for managed pressure drilling system. , 2011, , .		5
113	Switched Control for Pressure Regulation and Kick Attenuation in a Managed Pressure Drilling System. IEEE Transactions on Control Systems Technology, 2011, 19, 337-350.	5.2	79
114	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.	5.7	917
115	Automatic model-based control scheme for stabilizing pressure during dual-gradient drilling. Journal of Process Control, 2011, 21, 1138-1147.	3.3	40
116	Nanopatterning of Si surfaces by normal incident ion erosion: Influence of iron incorporation on surface morphology evolution. Journal of Applied Physics, 2011, 109, .	2.5	47
117	Self-organized antireflecting nano-cone arrays on Si (100) induced by ion bombardment. Journal of Applied Physics, 2011, 109, .	2.5	34
118	Mechanism of Fe impurity motivated ion-nanopatterning of Si (100) surfaces. Physical Review B, 2010, 82, .	3.2	43
119	Adaptive observer design for nonlinear systems with parametric uncertainties in unmeasured state dynamics. , 2009, , .		14
120	Decentralized adaptive backstepping stabilization of interconnected systems with dynamic input and output interactions. Automatica, 2009, 45, 55-67.	5.0	129
121	Adaptive backstepping control of uncertain systems with unknown input time-delay. Automatica, 2009, 45, 1415-1422.	5.0	112
122	Adaptive neural network control of uncertain nonlinear plants with input saturation., 2009,,.		6
123	Pressure regulation with kick attenuation in a managed pressure drilling system. , 2009, , .		20
124	A refined Ehrlich–Schwoebel effect on the modification of Si surface nanostructures by post ion milling. Applied Surface Science, 2008, 254, 2238-2243.	6.1	2
125	Decentralized adaptive control for large-scale time-delay systems with dead-zone input. Automatica, 2008, 44, 1790-1799.	5.0	179
126	Decentralized Backstepping Adaptive Output Tracking of Interconnected Nonlinear Systems. IEEE Transactions on Automatic Control, 2008, 53, 2378-2384.	5.7	130

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127	Adaptive Control of Systems with Input Saturation. , 2008, , 189-197.		6
128	Decentralized adaptive backstepping stabilization of nonlinear interconnected systems. , 2008, , .		5
129	Adaptive output feedback control of a managed pressure drilling system. , 2008, , .		11
130	Nonlinear observer-based control of unstable wells. , 2008, , .		2
131	Multivariable Adaptive Control. , 2008, , 51-64.		0
132	Nonlinear adaptive observer control for a riser slugging system in unstable wells. , 2008, , .		4
133	Adaptive observer design for the bottomhole pressure of a managed pressure drilling system. , 2008, , .		58
134	New results in decentralized adaptive backstepping stabilization of nonlinear interconnected systems. , 2008, , .		0
135	Control of a Hysteretic Structural System in Base Isolation Scheme. , 2008, , 199-213.		1
136	Adaptive Backstepping Control. , 2008, , 9-31.		19
137	Decentralized Stabilization of Interconnected Systems. , 2008, , 65-79.		1
138	Nonsmooth Nonlinearities. , 2008, , 83-96.		9
139	Inverse Control of Systems with Backlash Nonlinearity. , 2008, , 125-138.		4
140	Adaptive Control of Nonlinear Systems with Dead-Zone Nonlinearity. , 2008, , 165-188.		0
141	Control of a Piezo-Positioning Mechanism with Hysteresis. , 2008, , 215-226.		O
142	Backstepping Control of Systems with Backlash Nonlinearity., 2008,, 97-123.		0
143	Stabilization of Interconnected Systems with Backlash Nonlinearity. , 2008, , 139-164.		0
144	Adaptive Backstepping Control of Uncertain Chaotic Systems. , 2007, , .		12

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145	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
146	Robust Adaptive Control of Valve Mechanism with Unknown Backlash Nonlinearity., 2007,,.		1
147	Robust Adaptive Output Control of Uncertain Nonlinear Plants With Unknown Backlash Nonlinearity. IEEE Transactions on Automatic Control, 2007, 52, 503-509.	5.7	187
148	Adaptive Output Control of Uncertain Nonlinear Systems with Unknown Backlash. Proceedings of the American Control Conference, 2007, , .	0.0	5
149	ADAPTIVE BACKSTEPPING CONTROL OF A PIEZO-POSITIONING MECHANISM WITH HYSTERESIS. Transactions of the Canadian Society for Mechanical Engineering, 2007, 31, 97-110.	0.8	10
150	Adaptive output control of a class of uncertain chaotic systems. Systems and Control Letters, 2007, 56, 452-460.	2.3	23
151	The effect of Ehrlich–Schwoebel step-edge barrier on the formation of self-organized Si nanodots by ion-sputter erosion. Applied Surface Science, 2007, 253, 4497-4500.	6.1	3
152	An electrostatic force microscope study of Si nanostructures on Si(100) as a function of post-annealing temperature and time. Applied Surface Science, 2007, 253, 6109-6112.	6.1	14
153	Decentralized adaptive stabilization in the presence of unknown backlash-like hysteresis. Automatica, 2007, 43, 426-440.	5.0	143
154	Adaptive neural network control of uncertain nonlinear systems with nonsmooth actuator nonlinearities. Neurocomputing, 2007, 70, 1062-1070.	5.9	40
155	Nonlinear Model-Based Control of Unstable Wells. Modeling, Identification and Control, 2007, 28, 69-80.	1.1	11
156	Adaptive Neural Network Control of Uncertain Nonlinear Systems in the Presence of Input Saturation. , 2006, , .		22
157	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.	1.6	11
158	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
159	Adaptive Backstepping Control of a Class of Uncertain Nonlinear Systems With Unknown Backlash-Like Hysteresis. IEEE Transactions on Automatic Control, 2004, 49, 1751-1757.	5.7	508
160	Adaptive Control of Nonlinear Systems with Uncertain Dead-zone Nonlinearity. , 0, , .		6