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	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
2	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
3	Adaptive Backstepping Stabilization of Nonlinear Uncertain Systems With Quantized Input Signal. IEEE Transactions on Automatic Control, 2014, 59, 460-464.	5.7	395
4	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
5	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
6	Experiment and Theory of the Broadband Absorption by a Tapered Hyperbolic Metamaterial Array. ACS Photonics, 2014, 1, 618-624.	6.6	208
7	Adaptive Output Feedback Control of Uncertain Nonlinear Systems With Hysteresis Nonlinearity. IEEE Transactions on Automatic Control, 2012, 57, 2627-2633.	5.7	189
8	Robust Adaptive Output Control of Uncertain Nonlinear Plants With Unknown Backlash Nonlinearity. IEEE Transactions on Automatic Control, 2007, 52, 503-509.	5.7	187
9	Decentralized adaptive control for large-scale time-delay systems with dead-zone input. Automatica, 2008, 44, 1790-1799.	5.0	179
10	Fewâ€Layer Bismuthene with Anisotropic Expansion for Highâ€Arealâ€Capacity Sodiumâ€Ion Batteries. Advanced Materials, 2019, 31, e1807874.	21.0	165
11	Decentralized adaptive stabilization in the presence of unknown backlash-like hysteresis. Automatica, 2007, 43, 426-440.	5.0	143
12	Engineering Light at the Nanoscale: Structural Color Filters and Broadband Perfect Absorbers. Advanced Optical Materials, 2017, 5, 1700368.	7.3	141
13	Adaptive control of uncertain nonlinear systems with quantized input signal. Automatica, 2018, 95, 152-162.	5.0	133
14	Decentralized Backstepping Adaptive Output Tracking of Interconnected Nonlinear Systems. IEEE Transactions on Automatic Control, 2008, 53, 2378-2384.	5.7	130
15	Adaptive Backstepping Control of Nonlinear Uncertain Systems With Quantized States. IEEE Transactions on Automatic Control, 2019, 64, 4756-4763.	5.7	130
16	Decentralized adaptive backstepping stabilization of interconnected systems with dynamic input and output interactions. Automatica, 2009, 45, 55-67.	5.0	129
17	Adaptive control of a class of strict-feedback time-varying nonlinear systems with unknown control coefficients. Automatica, 2018, 93, 98-105.	5.0	122
18	Adaptive backstepping control of uncertain systems with unknown input time-delay. Automatica, 2009, 45, 1415-1422.	5.0	112

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19	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
20	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
21	Adaptive consensus of uncertain nonlinear systems with event triggered communication and intermittent actuator faults. Automatica, 2020, 111, 108667.	5.0	91
22	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
23	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
24	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
25	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
26	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
27	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
28	A Dualâ€Gate MoS ₂ Photodetector Based on Interface Coupling Effect. Small, 2020, 16, e1904369.	10.0	65
29	Adaptive observer design for the bottomhole pressure of a managed pressure drilling system. , 2008, , .		58
30	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
31	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
32	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
33	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
34	A densely packed Sb2O3nanosheet–graphene aerogel toward advanced sodium-ion batteries. Nanoscale, 2018, 10, 9108-9114.	5.6	46
35	3D nest-shaped Sb ₂ O ₃ /RGO composite based high-performance lithium-ion batteries. Nanoscale, 2016, 8, 17131-17135.	5.6	45
36	Angle Robust Reflection/Transmission Plasmonic Filters Using Ultrathin Metal Patch Array. Advanced Optical Materials, 2016, 4, 1981-1986.	7.3	44

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37	Mechanism of Fe impurity motivated ion-nanopatterning of Si (100) surfaces. Physical Review B, 2010, 82, .	3.2	43
38	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
39	Adaptive neural network control of uncertain nonlinear systems with nonsmooth actuator nonlinearities. Neurocomputing, 2007, 70, 1062-1070.	5.9	40
40	Automatic model-based control scheme for stabilizing pressure during dual-gradient drilling. Journal of Process Control, 2011, 21, 1138-1147.	3.3	40
41	The resurgence of public housing provision in China: the Chongqing programme. Housing Studies, 2017, 32, 428-448.	2.4	40
42	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
43	Housing and Welfare Regimes: Examining the Changing Role of Public Housing in China. The Housingory and Society, 2017, 34, 253-276.	2.4	39
44	Large-area, lithography-free, narrow-band and highly directional thermal emitter. Nanoscale, 2019, 11, 19742-19750.	5.6	39
45	Efficient Thermal–Light Interconversions Based on Optical Topological Transition in the Metalâ€Dielectric Multilayered Metamaterials . Advanced Materials, 2016, 28, 3017-3023.	21.0	38
46	Curing multidirectional carbon fiber reinforced polymer composites with indirect microwave heating. International Journal of Advanced Manufacturing Technology, 2018, 97, 1137-1147.	3.0	38
47	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
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	Transition from a spectrum filter to a polarizer in a metallic nano-slit array. Scientific Reports, 2014, 4, 3614.	3.3	35
50	Self-organized antireflecting nano-cone arrays on Si (100) induced by ion bombardment. Journal of Applied Physics, $2011, 109, .$	2.5	34
51	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
52	Dual-function of CdCl2 treated SnO2 in Sb2Se3 solar cells. Applied Surface Science, 2020, 534, 147632.	6.1	30
53	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
54	Visualizing Mie Resonances in Low-Index Dielectric Nanoparticles. Physical Review Letters, 2018, 120, 253902.	7.8	28

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55	Room-temperature photoconduction assisted by hot-carriers in graphene for sub-terahertz detection. Carbon, 2018, 130, 233-240.	10.3	26
56	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
57	A close to unity and all-solar-spectrum absorption by ion-sputtering induced Si nanocone arrays. Optics Express, 2012, 20, 22087.	3.4	25
58	White light emission and optical gains from a Si nanocrystal thin film. Nanotechnology, 2015, 26, 475203.	2.6	24
59	Adaptive output control of a class of uncertain chaotic systems. Systems and Control Letters, 2007, 56, 452-460.	2.3	23
60	Realization of Both High Absorption of Active Materials and Low Ohmic Loss in Plasmonic Cavities. Advanced Optical Materials, 2019, 7, 1801627.	7.3	23
61	HgCdTe mid-Infrared photo response enhanced by monolithically integrated meta-lenses. Scientific Reports, 2020, 10, 6372.	3.3	23
62	Adaptive Neural Network Control of Uncertain Nonlinear Systems in the Presence of Input Saturation. , 2006, , .		22
63	Pressure regulation with kick attenuation in a managed pressure drilling system. , 2009, , .		20
64	Enhanced interlaminar fracture toughness of carbon fiber/bismaleimide composites via microwave curing. Journal of Composite Materials, 2017, 51, 2585-2595.	2.4	20
65	Circular Polarization Discrimination Enhanced by Anisotropic Media. Advanced Optical Materials, 2020, 8, 1901800.	7.3	20
66	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
67	Top-gated black phosphorus phototransistor for sensitive broadband detection. Nanoscale, 2018, 10, 5852-5858.	5.6	19
68	Enhanced polarization sensitivity by plasmonic-cavity in graphene phototransistors. Journal of Applied Physics, 2019, 126, .	2.5	19
69	Adaptive Backstepping Control. , 2008, , 9-31.		19
70	Band gap grading in microcrystalline silicon germanium thin film solar cells. Journal of Alloys and Compounds, 2015, 632, 456-459.	5.5	16
71	Non-uniform distribution in $\hat{A}\mu$ c-Si $1\hat{a}$ 'xGex:H and its influence on thin film and device performance. Solar Energy Materials and Solar Cells, 2016, 151, 1-6.	6.2	16
72	All-dielectric resonant waveguide based quantum well infrared photodetectors for hyperspectral detection. Optics Communications, 2018, 427, 196-201.	2.1	16

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73	Enhanced infrared photoresponse induced by symmetry breaking in a hybrid structure of graphene and plasmonic nanocavities. Carbon, 2020, 170, 49-58.	10.3	15
74	A novel and fast method to prepare a Cu-supported î±-Sb ₂ binder-free electrode for sodium-ion batteries. RSC Advances, 2020, 10, 29567-29574.	3.6	15
75	Tuning Electrical and Optical Properties of MoSe ₂ Transistors via Elemental Doping. Advanced Materials Technologies, 2020, 5, 2000307.	5.8	15
76	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
77	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
78	Adaptive observer design for nonlinear systems with parametric uncertainties in unmeasured state dynamics. , 2009, , .		14
79	Adaptive Control of Quantized Uncertain Nonlinear Systems. IFAC-PapersOnLine, 2017, 50, 10425-10430.	0.9	14
80	Housing preferences and access to public rental housing among migrants in Chongqing, China. Habitat International, 2018, 79, 42-50.	5.8	14
81	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
82	Reconstructing a plasmonic metasurface for a broadband high-efficiency optical vortex in the visible frequency. Nanoscale, 2018, 10, 12378-12385.	5.6	13
83	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
84	Absorption enhancement in all-semiconductor plasmonic cavity integrated THz quantum well infrared photodetectors. Optics Express, 2020, 28, 16427.	3.4	13
85	Adaptive Backstepping Control of Uncertain Chaotic Systems. , 2007, , .		12
86	Facile synthesis of an urchin-like Sb ₂ S ₃ nanostructure with high photocatalytic activity. RSC Advances, 2018, 8, 18451-18455.	3.6	12
87	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
88	Highly polarization-sensitive far infrared detector based on an optical antenna integrated aligned carbon nanotube film. Nanoscale, 2020, 12, 11808-11817.	5.6	12
89	Quantum well infrared detectors enhanced by faceted plasmonic cavities. Infrared Physics and Technology, 2021, 116, 103746.	2.9	12
90	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

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91	Adaptive output feedback control of a managed pressure drilling system. , 2008, , .		11
92	Intra-national citizenship and dual-hukou strategies among migrant families in China. Habitat International, 2021, 108, 102311.	5.8	11
93	Nonlinear Model-Based Control of Unstable Wells. Modeling, Identification and Control, 2007, 28, 69-80.	1.1	11
94	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
95	Adaptive backstepping control of uncertain nonlinear systems with input quantization., 2013,,.		10
96	Decentralized Adaptive Control for Interconnected Nonlinear Systems with Input Quantization. IFAC-PapersOnLine, 2017, 50, 10419-10424.	0.9	10
97	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
98	Nonlocal effective-medium theory for periodic multilayered metamaterials. Journal of Optics (United) Tj ETQq0 0	0 rgBT /O	verlock 10 Tf
99	Kick Detection and Influx Size Estimation during Offshore Drilling Operations using Deep Learning. , 2019, , .		9
100	Nonsmooth Nonlinearities. , 2008, , 83-96.		9
101	Adaptive Backstepping Control of a 2-DOF Helicopter System with Uniform Quantized Inputs. , 2020, , .		8
102	Dielectric properties of continuous fiber reinforced polymer composites: Modeling, validation, and application. Polymer Composites, 2018, 39, 4646-4655.	4.6	7
103	Adaptive Attitude Control of a Rigid Body With Input and Output Quantization. IEEE Transactions on Industrial Electronics, 2022, 69, 8296-8305.	7.9	7
104	Adaptive Control of Nonlinear Systems with Uncertain Dead-zone Nonlinearity., 0,,.		6
105	Adaptive Control of Systems with Input Saturation. , 2008, , 189-197.		6
106	Adaptive neural network control of uncertain nonlinear plants with input saturation., 2009,,.		6
107	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
108	Robust adaptive tracking control of uncertain systems with time-varying input delays. International Journal of Systems Science, 2017, 48, 3440-3449.	5.5	6

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109	Adaptive PI Control of Bottom Hole Pressure during Oil Well Drilling. IFAC-PapersOnLine, 2018, 51, 166-171.	0.9	6
110	Cut-off wavelength manipulation of pixel-level plasmonic microcavity for long wavelength infrared detection. Applied Physics Letters, 2019, 114, .	3.3	6
111	Double-sided optical coating of strongly curved glass by atomic layer deposition. Optics Express, 2021, 29, 13815.	3.4	6
112	Attitudes towards rural migrants and their influence on return migration in China. Population, Space and Place, 2022, 28, e2509.	2.3	6
113	Cavity coupled plasmonic resonator enhanced infrared detectors. Applied Physics Letters, 2021, 119, .	3.3	6
114	Adaptive Output Control of Uncertain Nonlinear Systems with Unknown Backlash. Proceedings of the American Control Conference, 2007, , .	0.0	5
115	Decentralized adaptive backstepping stabilization of nonlinear interconnected systems., 2008,,.		5
116	Nonlinear adaptive observer for managed pressure drilling system. , 2011, , .		5
117	Achieving angle-insensitive spectrum filter with the slit nanoresonator array structure. Journal of Nanophotonics, 2014, 9, 093795.	1.0	5
118	Adaptive Backstepping Control of a 2-DOF Helicopter. , 2019, , .		5
119	Integrated Photonic Structure Enhanced Infrared Photodetectors. Advanced Photonics Research, 2021, 2, 2000187.	3.6	5
120	Automated Kick Control Procedure for an Influx in Managed Pressure Drilling Operations. Modeling, Identification and Control, 2016, 37, 31-40.	1.1	5
121	Nonlinear adaptive observer control for a riser slugging system in unstable wells. , 2008, , .		4
122	Adaptive decentralized control of DC-DC converter systems. , 2012, , .		4
123	Inverse Control of Systems with Backlash Nonlinearity. , 2008, , 125-138.		4
124	Modeling of Offshore Crane and Marine Craft in Wave Motion. , 2020, , .		4
125	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
126	Adaptive backstepping control of uncertain systems in the presence of unmodeled dynamics and time-varying delays. , 2016, , .		3

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127	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
128	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
129	Nonlinear observer-based control of unstable wells. , 2008, , .		2
130	Wavelength scale terahertz spectrometer based on extraordinary transmission. Applied Physics Letters, 2017, 111, 063503.	3.3	2
131	Adaptive Asymptotically Tracking Control for Uncertain Strict-feedback Nonlinear Systems With Input Quantization. , 2018, , .		2
132	Carbon Nanotube Far Infrared Detectors with High Responsivity and Superior Polarization Selectivity Based on Engineered Optical Antennas. Sensors, 2021, 21, 5221.	3.8	2
133	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
134	Robust Adaptive Control of Valve Mechanism with Unknown Backlash Nonlinearity., 2007,,.		1
135	Adaptive feedback control of magnetic suspension system preceded by Bouc-Wen hysteresis. , 2012, , .		1
136	Modelling of a hydro-pneumatic system for heave compensation. , 2018, , .		1
137	Modeling and simulation of an offshore crane. , 2018, , .		1
138	Mitochondrial genome of Lemnia saucia Mulsant (Coleoptera: Coccinellidae) and phylogenetic analysis. Mitochondrial DNA Part B: Resources, 2019, 4, 1441-1442.	0.4	1
139	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
140	Control of a Hysteretic Structural System in Base Isolation Scheme. , 2008, , 199-213.		1
141	Decentralized Stabilization of Interconnected Systems., 2008,, 65-79.		1
142	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
143	Multivariable Adaptive Control. , 2008, , 51-64.		O
144	New results in decentralized adaptive backstepping stabilization of nonlinear interconnected systems. , 2008, , .		0

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145	Adaptive decentralised control of parallel DC-DC converter systems. International Journal of Systems, Control and Communications, 2012, 4, 134.	0.3	0
146	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
147	Adaptive observer design and parameter estimation for a class of uncertain systems., 2013,,.		O
148	Adaptive control of a drilling system with unknown time-delay and disturbance. , 2016, , .		0
149	Light Coupling Engineering of a Double-Pinhole Nanoresonator. Journal of Nanoscience and Nanotechnology, 2016, 16, 8130-8134.	0.9	0
150	Adaptive control of uncertain nonlinear systems with time-varying parameters and disturbances. , 2017, , .		0
151	Distributed Adaptive Consensus Tracking Control of Uncertain High-order Nonlinear Systems under Directed Graph Condition. , 2018, , .		0
152	Adaptive Tracking Control of Nonlinear Time-Varying Systems with Unknown Control Coefficients and Unknown Time-Varying Parameters. , $2019, \dots$		0
153	Event-Triggered Adaptive Control for a Class of Nonlinear Systems with Unknown Time-Varying Parameters. , 2020, , .		0
154	Narrowband tunable graphene perfect absorber based on dielectric microcavity in mid-infrared. , 2021, , .		0
155	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	0
156	Metamaterial optical antennas powered carbon nanotube detectors with extremely high polarization selectivity. , $2021, , .$		0
157	Adaptive Control of Nonlinear Systems with Dead-Zone Nonlinearity. , 2008, , 165-188.		0
158	Control of a Piezo-Positioning Mechanism with Hysteresis. , 2008, , 215-226.		0
159	Backstepping Control of Systems with Backlash Nonlinearity. , 2008, , 97-123.		0
160	Stabilization of Interconnected Systems with Backlash Nonlinearity., 2008, , 139-164.		0