Chun-Yi Su

List of Publications by Year
in descending order

428 papers	14,550 citations	17440 63 h-index	24982 109 g-index
439 all docs	439 docs citations	439 times ranked	7177 citing authors

#	Article	IF	Citations
1	Whole Body Control of an Autonomous Mobile Manipulator Using Series Elastic Actuators. IEEE/ASME Transactions on Mechatronics, 2024, , 1-1.	5.8	14
2	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
3	A Learning Based Hierarchical Control Framework for Human–Robot Collaboration. IEEE Transactions on Automation Science and Engineering, 2023, 20, 506-517.	5.2	2
4	Modeling Based on a Two-Step Parameter Identification Strategy for Liquid Crystal Elastomer Actuator Considering Dynamic Phase Transition Process. IEEE Transactions on Cybernetics, 2023, 53, 4423-4434.	9.5	3
5	Whole-Body Control of an Autonomous Mobile Manipulator Using Model Predictive Control and Adaptive Fuzzy Technique. IEEE Transactions on Fuzzy Systems, 2023, 31, 799-809.	9.8	10
6	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
7	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
8	Dynamic Modeling and Tracking Control for Dielectric Elastomer Actuator With a Model Predictive Controller. IEEE Transactions on Industrial Electronics, 2022, 69, 1819-1828.	7.9	21
9	Adaptive Fuzzy Control With Global Stability Guarantees for Unknown Strict-Feedback Systems Using Novel Integral Barrier Lyapunov Functions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4336-4348.	9.3	8
10	Neural-Dynamics Optimization and Repetitive Learning Control for Robotic Leg Prostheses. IEEE/ASME Transactions on Mechatronics, 2022, 27, 811-822.	5.8	6
11	Motion Planning and Adaptive Neural Tracking Control of an Uncertain Two-Link Rigid–Flexible Manipulator With Vibration Amplitude Constraint. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3814-3828.	11.3	61
12	Distributed Adaptive Fault-Tolerant Time-Varying Formation Control of Unmanned Airships With Limited Communication Ranges Against Input Saturation for Smart City Observation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1891-1904.	11.3	9
13	Distributed Fractional-Order Intelligent Adaptive Fault-Tolerant Formation-Containment Control of Two-Layer Networked Unmanned Airships for Safe Observation of a Smart City. IEEE Transactions on Cybernetics, 2022, 52, 9132-9144.	9.5	23
14	Adaptive Approximation-Based Tracking Control for a Class of Unknown High-Order Nonlinear Systems With Unknown Powers. IEEE Transactions on Cybernetics, 2022, 52, 4559-4573.	9.5	7
15	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
16	Practical fixed-time trajectory tracking control of constrained wheeled mobile robots with kinematic disturbances. ISA Transactions, 2022, 129, 273-286.	5.7	10
17	Enhanced Recurrent Fuzzy Neural Fault-Tolerant Synchronization Tracking Control of Multiple Unmanned Airships via Fractional Calculus and Fixed-Time Prescribed Performance Function. IEEE Transactions on Fuzzy Systems, 2022, 30, 4515-4529.	9.8	13
18	PSO-based nonlinear model predictive planning and discrete-time sliding tracking control for uncertain planar underactuated manipulators. International Journal of Systems Science, 2022, 53, 2075-2089.	5.5	7

#	Article	IF	Citations
19	Positioning control of liquid crystal elastomer actuator based on double closed-loop system structure. Control Engineering Practice, 2022, 123, 105136.	5.5	4
20	Passivityâ€based adaptive faultâ€tolerant control for continuousâ€time Markov jump PWA systems with actuator faults. International Journal of Robust and Nonlinear Control, 2022, 32, 2300-2312.	3.7	7
21	Modelling and compound control of intelligently dielectric elastomer actuator. Control Engineering Practice, 2022, 126, 105261.	5.5	9
22	A General Position Control Method for Planar Underactuated Manipulators With Second-Order Nonholonomic Constraints. IEEE Transactions on Cybernetics, 2021, 51, 4733-4742.	9.5	17
23	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
24	Targeting Posture Control With Dynamic Obstacle Avoidance of Constrained Uncertain Wheeled Mobile Robots Including Unknown Skidding and Slipping. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6650-6659.	9.3	23
25	Visual Regulation of Differential-Drive Mobile Robots: A Nonadaptive Switching Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6874-6884.	9.3	2
26	Compound Adaptive Fuzzy Quantized Control for Quadrotor and Its Experimental Verification. IEEE Transactions on Cybernetics, 2021, 51, 1121-1133.	9.5	69
27	Multisensor-Based Navigation and Control of a Mobile Service Robot. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2624-2634.	9.3	42
28	Adaptive Output Feedback Funnel Control of Uncertain Nonlinear Systems With Arbitrary Relative Degree. IEEE Transactions on Automatic Control, 2021, 66, 2854-2860.	5.7	26
29	Nussbaum-based finite-time fractional-order backstepping fault-tolerant flight control of fixed-wing UAV against input saturation with hardware-in-the-loop validation. Mechanical Systems and Signal Processing, 2021, 153, 107406.	8.0	44
30	Fractional-Order Adaptive Fault-Tolerant Synchronization Tracking Control of Networked Fixed-Wing UAVs Against Actuator-Sensor Faults via Intelligent Learning Mechanism. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5539-5553.	11.3	50
31	Whole-Body Control of an Autonomous Mobile Manipulator Using Series Elastic Actuators. IEEE/ASME Transactions on Mechatronics, 2021, 26, 657-667.	5.8	27
32	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
33	Modeling of photo-responsive liquid crystal elastomer actuators. Information Sciences, 2021, 560, 441-455.	6.9	17
34	Robust Adaptive Control of Uncertain Systems Preceded with Unknown Hysteresis Actuators. , 2021, , .		0
35	Continuous Control Strategy of Planar 3-Linkage Underactuated Manipulator Based on Broad Neural Network. Actuators, 2021, 10, 249.	2.3	4
36	Fractional order PID-based adaptive fault-tolerant cooperative control of networked unmanned aerial vehicles against actuator faults and wind effects with hardware-in-the-loop experimental validation. Control Engineering Practice, 2021, 114, 104861.	5.5	24

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37	Guaranteeing Global Stability for Neuro-Adaptive Control of Unknown Pure-Feedback Nonaffine Systems via Barrier Functions. IEEE Transactions on Neural Networks and Learning Systems, 2021, PP, 1-13.	11.3	3
38	Motion Tracking Control Design for a Class of Nonholonomic Mobile Robot Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2150-2156.	9.3	30
39	Finite-Horizon H_∞ State Estimation for Time-Varying Neural Networks with Periodic Inner Coupling and Measurements Scheduling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 211-219.	9.3	30
40	Human-Inspired Control of Dual-Arm Exoskeleton Robots With Force and Impedance Adaptation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5296-5305.	9.3	51
41	Position and Posture Control of Planar Four-Link Underactuated Manipulator Based on Neural Network Model. IEEE Transactions on Industrial Electronics, 2020, 67, 4721-4728.	7.9	17
42	Distributed Finite-Time Fault-Tolerant Containment Control for Multiple Unmanned Aerial Vehicles. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2077-2091.	11.3	126
43	Robust Vision-Based Tube Model Predictive Control of Multiple Mobile Robots for Leader–Follower Formation. IEEE Transactions on Industrial Electronics, 2020, 67, 3096-3106.	7.9	45
44	Adaptive Visual Regulation of Wheeled Mobile Robots: a Switching Approach. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 345-358.	3.4	9
45	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
46	Barrier Function-Based Adaptive Control for Uncertain Strict-Feedback Systems Within Predefined Neural Network Approximation Sets. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2942-2954.	11.3	17
47	Quasi-Synchronization of Time Delay Markovian Jump Neural Networks With Impulsive-Driven Transmission and Fading Channels. IEEE Transactions on Cybernetics, 2020, 50, 4121-4131.	9.5	47
48	Semi-supervised multi-view clustering with Graph-regularized Partially Shared Non-negative Matrix Factorization. Knowledge-Based Systems, 2020, 190, 105185.	7.1	45
49	Decentralized finite-time adaptive fault-tolerant synchronization tracking control for multiple UAVs with prescribed performance. Journal of the Franklin Institute, 2020, 357, 11830-11862.	3.4	51
50	Special Issue on Neuro-Robotics: From Brain Machine Interfaces to Rehabilitation Robotics. Advanced Robotics, 2020, 34, 975-975.	1.8	0
51	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
52	Biologically Inspired Deadbeat Control of Robotic Leg Prostheses. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2733-2742.	5.8	10
53	Decentralized fractional-order backstepping fault-tolerant control of multi-UAVs against actuator faults and wind effects. Aerospace Science and Technology, 2020, 104, 105939.	4.8	58
54	A signal compensation based cascaded PI control for an industrial heat exchange system. Control Engineering Practice, 2020, 98, 104372.	5.5	5

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55	Non‐fragile sliding mode control of discrete switched singular systems with time‐varying delays. IET Control Theory and Applications, 2020, 14, 726-737.	2.1	16
56	Synergy-Based Control of Assistive Lower-Limb Exoskeletons by Skill Transfer. IEEE/ASME Transactions on Mechatronics, 2020, 25, 705-715.	5.8	36
57	Multi-hierarchy interaction control of a redundant robot using impedance learning. Mechatronics, 2020, 67, 102348.	3.3	18
58	Fractional-Order Sliding-Mode Fault-Tolerant Neural Adaptive Control of Fixed-Wing UAV With Prescribed Tracking Performance. , 2020, , .		6
59	Finite-Time Convergence Adaptive Fuzzy Control for Dual-Arm Robot With Unknown Kinematics and Dynamics. IEEE Transactions on Fuzzy Systems, 2019, 27, 574-588.	9.8	220
60	Wildfire Flame and Smoke Detection Using Static Image Features and Artificial Neural Network. , 2019, , .		9
61	Fault-Tolerant Adaptive Neural Control of Multi-UAVs Against Actuator Faults. , 2019, , .		5
62	Decentralized fault-tolerant cooperative control of multiple UAVs with prescribed attitude synchronization tracking performance under directed communication topology. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 685-700.	2.6	10
63	A novel position-posture control method using intelligent optimization for planar underactuated mechanical systems. Mechanism and Machine Theory, 2019, 140, 258-273.	4.5	13
64	Control strategy based on Fourier transformation and intelligent optimization for planar Pendubot. Information Sciences, 2019, 491, 279-288.	6.9	27
65	A new control method for planar four-link underactuated manipulator based on intelligence optimization. Nonlinear Dynamics, 2019, 96, 573-583.	5.2	10
66	AI-Driven Intelligent Fault Detection and Diagnosis in a Hybrid AC/DC Microgrid. , 2019, , .		9
67	Distributed Leader-follower Formation Control of Nonholonomic Mobile Robots. IFAC-PapersOnLine, 2019, 52, 67-72.	0.9	15
68	Distributed adaptive fractional‐order fault‐tolerant cooperative control of networked unmanned aerial vehicles via fuzzy neural networks. IET Control Theory and Applications, 2019, 13, 2917-2929.	2.1	55
69	Adaptive Control and Optimization of Mobile Manipulation Subject to Input Saturation and Switching Constraints. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1543-1555.	5.2	33
70	Adaptive Tracking Control of a Class of Constrained Euler–Lagrange Systems by Factorization of Dynamic Mass Matrix. IEEE Transactions on Industrial Electronics, 2019, 66, 7831-7840.	7.9	15
71	Adaptive Estimated Inverse Output-Feedback Quantized Control for Piezoelectric Positioning Stage. IEEE Transactions on Cybernetics, 2019, 49, 2106-2118.	9.5	125
72	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

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73	Remote Estimator Design for Time-Delay Neural Networks Using Communication State Information. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5149-5158.	11.3	25
74	Adaptive Neural Network Control for Robotic Manipulators With Unknown Deadzone. IEEE Transactions on Cybernetics, 2018, 48, 2670-2682.	9.5	73
75	Online Robot Reference Trajectory Adaptation for Haptic Identification of Unknown Force Field. International Journal of Control, Automation and Systems, 2018, 16, 318-326.	2.7	2
76	Asymmetric Bimanual Control of Dual-Arm Exoskeletons for Human-Cooperative Manipulations. IEEE Transactions on Robotics, 2018, 34, 264-271.	10.3	155
77	Mind Control of a Robotic Arm With Visual Fusion Technology. IEEE Transactions on Industrial Informatics, 2018, 14, 3822-3830.	11.3	109
78	Adaptive Neural-Network-Based Active Control of Regenerative Chatter in Micromilling. IEEE Transactions on Automation Science and Engineering, 2018, 15, 628-640.	5.2	17
79	Personalized Variable Gain Control With Tremor Attenuation for Robot Teleoperation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1759-1770.	9.3	140
80	Neuro-adaptive observer based control of flexible joint robot. Neurocomputing, 2018, 275, 73-82.	5.9	79
81	State Estimation for Periodic Neural Networks With Uncertain Weight Matrices and Markovian Jump Channel States. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1841-1850.	9.3	48
82	Reinforcement Learning of Manipulation and Grasping Using Dynamical Movement Primitives for a Humanoidlike Mobile Manipulator. IEEE/ASME Transactions on Mechatronics, 2018, 23, 121-131.	5.8	142
83	Interface Design of a Physical Human–Robot Interaction System for Human Impedance Adaptive Skill Transfer. IEEE Transactions on Automation Science and Engineering, 2018, 15, 329-340.	5.2	168
84	Adaptive Control for a Class of Unknown Nonlinear Systems Without Using Function Approximators. , 2018, , .		0
85	Distributed Fractional-Order Finite-Time Control for Multiple Unmanned Aerial Vehicles. , 2018, , .		10
86	Nonlinear dynamic and electromagnetic interference coupled-field analysis in a semi-active suspension system with magneto-rheological damper. International Journal of Applied Electromagnetics and Mechanics, 2018, 58, 41-55.	0.6	3
87	An Extended Immersion and Invariance for Acceleration-Level Pseudo-Dynamic Visual Regulation of Mobile Robots. , 2018, , .		1
88	Nonlinear Dynamic Analysis of a Skyhook-Based Semi-Active Suspension System With Magneto-Rheological Damper. IEEE Transactions on Vehicular Technology, 2018, 67, 10446-10456.	6.3	21
89	Reliability analysis of a Novel Magneto-rheological Regenerative Suspension System under Road Excitation. , 2018, , .		0
90	Robust Control Design of Uncertain Strict Feedback Systems Using Adaptive Filters. Lecture Notes in Computer Science, 2018, , 768-774.	1.3	0

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91	A quick position control strategy based on optimization algorithm for a class of first-order nonholonomic system. Information Sciences, 2018, 460-461, 264-278.	6.9	16
92	Adaptive Impedance Control for an Upper Limb Robotic Exoskeleton Using Biological Signals. IEEE Transactions on Industrial Electronics, 2017, 64, 1664-1674.	7.9	235
93	Brain–Machine Interface and Visual Compressive Sensing-Based Teleoperation Control of an Exoskeleton Robot. IEEE Transactions on Fuzzy Systems, 2017, 25, 58-69.	9.8	84
94	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
95	Motion Detection Enhanced Control of an Upper Limb Exoskeleton Robot for Rehabilitation Training. International Journal of Humanoid Robotics, 2017, 14, 1650031.	1.1	19
96	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
97	Haptic Identification by ELM-Controlled Uncertain Manipulator. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2398-2409.	9.3	137
98	Global adaptive tracking control of robot manipulators using neural networks with finite-time learning convergence. International Journal of Control, Automation and Systems, 2017, 15, 1916-1924.	2.7	64
99	Inverse Adaptive Controller Design for Magnetostrictive-Actuated Dynamic Systems. Microsystems and Nanosystems, 2017, , 687-714.	0.1	0
100	Teleoperation Control Based on Combination of Wave Variable and Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2125-2136.	9.3	287
101	Neural Control of Bimanual Robots With Guaranteed Global Stability and Motion Precision. IEEE Transactions on Industrial Informatics, 2017, 13, 1162-1171.	11.3	328
102	FNN Approximation-Based Active Dynamic Surface Control for Suppressing Chatter in Micro-Milling With Piezo-Actuators. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2100-2113.	9.3	22
103	Human Cooperative Wheelchair With Brain–Machine Interaction Based on Shared Control Strategy. IEEE/ASME Transactions on Mechatronics, 2017, 22, 185-195.	5.8	84
104	Adaptive Stabilization of a Class of Feedforward Nonlinear Systems Subject to Unknown Backlash-Hysteresis Inputs. IEEE Transactions on Control Systems Technology, 2017, 25, 1180-1192.	5.2	12
105	Manipulation of a robot arm in 3D space by using EEG signals. , 2017, , .		1
106	A product-of-exponential-based robot calibration method with optimal measurement configurations. International Journal of Advanced Robotic Systems, 2017, 14, 172988141774355.	2.1	25
107	Dual Rate Adaptive Control for an Industrial Heat Supply Process Using Signal Compensation Approach. IFAC-PapersOnLine, 2017, 50, 1877-1884.	0.9	3
108	An efficient neural network control for manipulator trajectory tracking with output constraints. , 2017, , .		0

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109	Impact dynamics in robotic and mechatronic systems. , 2017, , .		3
110	Motion Planning for Omnidirectional Wheeled Mobile Robot by Potential Field Method. Journal of Advanced Transportation, 2017, 2017, 1-11.	1.7	39
111	Fast and reliable control of steering mirrors with application to free-space communication. , 2017, , .		1
112	FNN approximation-based adaptive control for suppressing chatter in nonlinear milling with piezo-actuators. , 2017, , .		1
113	Robust Adaptive Neural Control for a Class of Timeâ€Varying Delay Systems with Backlashâ€like Hysteresis Input. Asian Journal of Control, 2016, 18, 1087-1101.	3.0	12
114	Kinematics modeling of Geomagic Touch X haptic device based on adaptive parameter identification. , 2016, , .		9
115	A Comprehensive Dynamic Model for Magnetostrictive Actuators Considering Different Input Frequencies With Mechanical Loads. IEEE Transactions on Industrial Informatics, 2016, 12, 980-990.	11.3	33
116	Robust Relative Navigation by Integration of ICP and Adaptive Kalman Filter Using Laser Scanner and IMU. IEEE/ASME Transactions on Mechatronics, 2016, 21, 2015-2026.	5.8	96
117	Odd-harmonic repetitive control for high-speed raster scanning of piezo-actuated nanopositioning stages with hysteresis nonlinearity. Sensors and Actuators A: Physical, 2016, 244, 95-105.	4.1	23
118	Optimal balancing control of bipedal robots using reinforcement learning. , 2016, , .		2
119	Development of a biofeedback enhanced multimedia game. , 2016, , .		1
120	Adaptive Control of Magnetostrictive-Actuated Positioning Systems with Input Saturation. Lecture Notes in Computer Science, 2016, , 635-645.	1.3	0
121	Adaptive Dynamic Surface Inverse Output Feedback Control for a Class of Hysteretic Systems. Lecture Notes in Computer Science, 2016, , 646-662.	1.3	0
122	Sampled-data-based stabilization of switched linear neutral systems. Automatica, 2016, 72, 92-99.	5.0	140
123	Transient tracking performance guaranteed global NN control of robot manipulator. , 2016, , .		3
124	Teleoperation control of an exoskeleton robot using brain machine interface and visual compressive sensing. , 2016, , .		3
125	Adaptive impedance control of robotic exoskeletons using reinforcement learning. , 2016, , .		9
126	RGB-D sensor-based visual SLAM for localization and navigation of indoor mobile robot. , 2016, , .		22

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127	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
128	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
129	Control of constrained robots subject to unilateral contacts and friction cone constraints. , 2016, , .		13
130	Optimal feedback linearization control of brushless motors. , 2016, , .		0
131	Neural Network-Based Control of Networked Trilateral Teleoperation With Geometrically Unknown Constraints. IEEE Transactions on Cybernetics, 2016, 46, 1051-1064.	9.5	81
132	Adaptive control for continuous-time systems with actuator and sensor hysteresis. Automatica, 2016, 64, 196-207.	5.0	54
133	Adaptive Control for Ionic Polymer-Metal Composite Actuators. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1468-1477.	9.3	23
134	Modeling and Identification of Piezoelectric-Actuated Stages Cascading Hysteresis Nonlinearity With Linear Dynamics. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1792-1797.	5.8	91
135	Trajectory-Tracking Control of Mobile Robot Systems Incorporating Neural-Dynamic Optimized Model Predictive Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 740-749.	9.3	303
136	Fault-Tolerant Control of a Class of Switched Nonlinear Systems With Structural Uncertainties. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 201-205.	3.0	35
137	Vision-Based Human Tracking Control of a Wheeled Inverted Pendulum Robot. IEEE Transactions on Cybernetics, 2016, 46, 2423-2434.	9.5	68
138	Modeling and Control of Piezo-Actuated Nanopositioning Stages: A Survey. IEEE Transactions on Automation Science and Engineering, 2016, 13, 313-332.	5.2	453
139	Modeling of Piezoelectric-Actuated Nanopositioning Stages Involving with the Hysteresis. , 2016, , 183-212.		2
140	Neural Network Approximation Based Multi-dimensional Active Control of Regenerative Chatter in Micro-milling. Lecture Notes in Computer Science, 2016, , 250-259.	1.3	1
141	Teaching by demonstration on dual-arm robot using variable stiffness transferring. , 2015, , .		13
142	Development of a physiological signals enhanced teleoperation strategy. , 2015, , .		3
143	Manipulation and grasping control for a hand-eye robot system using sensory-motor fusion. , 2015, , .		5
144	Intelligent Networked Teleoperation Control. , 2015, , .		30

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145	Brain-actuated teleoperation control of a mobile robot. , 2015, , .		2
146	Adaptive neural network control for uncertain MIMO robotic systems with time-varying delay and unknown backlash-like hysteresis. , 2015, , .		5
147	Teleoperated robot writing using EMG signals. , 2015, , .		17
148	Decentralized Fuzzy Control of Multiple Cooperating Robotic Manipulators With Impedance Interaction. IEEE Transactions on Fuzzy Systems, 2015, 23, 1044-1056.	9.8	85
149	Nonlinear Control of Systems Preceded by Preisach Hysteresis Description: A Prescribed Adaptive Control Approach. IEEE Transactions on Control Systems Technology, 2015, , 1-1.	5.2	46
150	Nonlinear Disturbance Observer-Based Control Design for a Robotic Exoskeleton Incorporating Fuzzy Approximation. IEEE Transactions on Industrial Electronics, 2015, 62, 5763-5775.	7.9	198
151	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
152	Adaptive control for micro/nano positioning system driven by piezo electric actuator. , 2015, , .		1
153	Robust inverse compensation and control of a class of non€linear systems with unknown asymmetric backlash non€linearity. IET Control Theory and Applications, 2015, 9, 1869-1877.	2.1	16
154	Vision-Based Model Predictive Control for Steering of a Nonholonomic Mobile Robot. IEEE Transactions on Control Systems Technology, 2015, , 1-1.	5.2	78
155	Proxy-Based Sliding-Mode Tracking Control of Piezoelectric-Actuated Nanopositioning Stages. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1956-1965.	5.8	83
156	Adaptive controller design for generic quadrotor aircraft platform subject to slung load. , 2015, , .		10
157	Fuzzy Approximation-Based Adaptive Backstepping Control of an Exoskeleton for Human Upper Limbs. IEEE Transactions on Fuzzy Systems, 2015, 23, 555-566.	9.8	206
158	Missile Guidance Law Based on Robust Model Predictive Control Using Neural-Network Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1803-1809.	11.3	81
159	Inverse error analysis and adaptive output feedback control of uncertain systems preceded with hysteresis actuators. IET Control Theory and Applications, 2014, 8, 1824-1832.	2.1	8
160	Adaptive tracking control of a class of MIMO nonlinear systems with time-varying delay and dead-zone inputs. , 2014, , .		0
161	Decentralised adaptive control of cooperating Robotic manipulators with disturbance observers. IET Control Theory and Applications, 2014, 8, 515-521.	2.1	37
162	Stabilization of nonholonomic chained systems via model predictive control. , 2014, , .		1

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163	Hysteresis modeling for IPMC actuators with rate-dependent Preisach model. , 2014, , .		4
164	Dynamic modeling and identification of magnetostrictive actuators for control of micromanipulation. , 2014, , .		0
165	The Power-Performance Tradeoffs of the Intel Xeon Phi on HPC Applications. , 2014, , .		25
166	Trajectory tracking of mobile robots based on model predictive control using primal dual neural network. , 2014, , .		5
167	Task-space hybrid motion/force control of bilateral teleoperation with unsymmetrical time-varying delays. , 2014, , .		0
168	Control design for ionic polymer-metal composite based actuators. , 2014, , .		0
169	Development and Learning Control of a Human Limb With a Rehabilitation Exoskeleton. IEEE Transactions on Industrial Electronics, 2014, 61, 3776-3785.	7.9	192
170	High-precision control of piezoelectric nanopositioning stages using hysteresis compensator and disturbance observer. Smart Materials and Structures, 2014, 23, 105007.	3.5	37
171	Iterative learning control of an exoskeleton for human upper limbs. , 2014, , .		2
172	Adaptive fuzzy control of operation space constrained exoskeletons under unmodelled dynamics. , 2014, , .		0
173	Adaptive fuzzy-based motion generation and control of mobile under-actuated manipulators. Engineering Applications of Artificial Intelligence, 2014, 30, 86-95.	8.1	29
174	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
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