

Chun-Yi Su

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

339
papers

10,050
citations

57
h-index

92
g-index

439
ext. papers

12,512
ext. citations

4.7
avg. IF

6.84
L-index

#	Paper	IF	Citations
339	All state constrained decentralized adaptive implicit inversion control for a class of large scale nonlinear hysteretic systems with time-delays. <i>Information Sciences</i> , 2022 , 588, 52-66	7.7	0
338	A Learning Based Hierarchical Control Framework for Human-Robot Collaboration. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022 , 1-12	4.9	0
337	Enhanced Recurrent Fuzzy Neural Fault-Tolerant Synchronization Tracking Control of Multiple Unmanned Airships via Fractional Calculus and Fixed-Time Prescribed Performance Function. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	3
336	Positioning control of liquid crystal elastomer actuator based on double closed-loop system structure. <i>Control Engineering Practice</i> , 2022 , 123, 105136	3.9	1
335	Passivity-based adaptive fault-tolerant control for continuous-time Markov jump PWA systems with actuator faults. <i>International Journal of Robust and Nonlinear Control</i> , 2022 , 32, 2300-2312	3.6	3
334	Discrete-Time Adaptive Neural Tracking Control and Its Experiments for Quadrotor Unmanned Aerial Vehicle Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-12	5.5	5
333	Whole-Body Control of an Autonomous Mobile Manipulator Using Series Elastic Actuators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 26, 657-667	5.5	9
332	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 916-928	7	17
331	Modeling of photo-responsive liquid crystal elastomer actuators. <i>Information Sciences</i> , 2021 , 560, 441-455	7	7
330	A General Position Control Method for Planar Underactuated Manipulators With Second-Order Nonholonomic Constraints. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4733-4742	10.2	5
329	Compound Adaptive Fuzzy Quantized Control for Quadrotor and Its Experimental Verification. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1121-1133	10.2	22
328	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2624-2634	7.3	16
327	Adaptive Output Feedback Funnel Control of Uncertain Nonlinear Systems With Arbitrary Relative Degree. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2854-2860	5.9	9
326	Nussbaum-based finite-time fractional-order backstepping fault-tolerant flight control of fixed-wing UAV against input saturation with hardware-in-the-loop validation. <i>Mechanical Systems and Signal Processing</i> , 2021 , 153, 107406	7.8	18
325	Dynamic Modeling and Tracking Control for Dielectric Elastomer Actuator with Model Predictive Controller. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
324	Adaptive Fuzzy Control With Global Stability Guarantees for Unknown Strict-Feedback Systems Using Novel Integral Barrier Lyapunov Functions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-13	7.3	0
323	Fractional-Order Adaptive Fault-Tolerant Synchronization Tracking Control of Networked Fixed-Wing UAVs Against Actuator-Sensor Faults via Intelligent Learning Mechanism. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 5539-5553	10.3	15

322	Neural-Dynamics Optimization and Repetitive Learning Control for Robotic Leg Prostheses. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	0
321	Continuous Control Strategy of Planar 3-Linkage Underactuated Manipulator Based on Broad Neural Network. <i>Actuators</i> , 2021 , 10, 249	2.4	2
320	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. <i>Control Engineering Practice</i> , 2021 , 114, 104861	3.9	8
319	Whole Body Control of an Autonomous Mobile Manipulator Using Series Elastic Actuators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	7
318	Motion Planning and Adaptive Neural Tracking Control of an Uncertain Two-Link Rigid-Flexible Manipulator With Vibration Amplitude Constraint. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	22
317	Distributed Fractional-Order Intelligent Adaptive Fault-Tolerant Formation-Containment Control of Two-Layer Networked Unmanned Airships for Safe Observation of a Smart City. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	6
316	Adaptive Neural Digital Control of Hysteretic Systems With Implicit Inverse Compensator and Its Application on Magnetostrictive Actuator. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , PP,	10.3	8
315	Targeting Posture Control With Dynamic Obstacle Avoidance of Constrained Uncertain Wheeled Mobile Robots Including Unknown Skidding and Slipping. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-10	7.3	8
314	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 2112-2122	5.5	19
313	Biologically Inspired Deadbeat Control of Robotic Leg Prostheses. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 2733-2742	5.5	7
312	Visual Regulation of Differential-Drive Mobile Robots: A Nonadaptive Switching Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-11	7.3	1
311	Decentralized fractional-order backstepping fault-tolerant control of multi-UAVs against actuator faults and wind effects. <i>Aerospace Science and Technology</i> , 2020 , 104, 105939	4.9	31
310	A signal compensation based cascaded PI control for an industrial heat exchange system. <i>Control Engineering Practice</i> , 2020 , 98, 104372	3.9	1
309	Non-fragile sliding mode control of discrete switched singular systems with time-varying delays. <i>IET Control Theory and Applications</i> , 2020 , 14, 726-737	2.5	12
308	Synergy-Based Control of Assistive Lower-Limb Exoskeletons by Skill Transfer. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 705-715	5.5	16
307	Fractional-Order Sliding-Mode Fault-Tolerant Neural Adaptive Control of Fixed-Wing UAV With Prescribed Tracking Performance 2020 ,		2
306	Multi-hierarchy interaction control of a redundant robot using impedance learning. <i>Mechatronics</i> , 2020 , 67, 102348	3	7
305	Quasi-Synchronization of Time Delay Markovian Jump Neural Networks With Impulsive-Driven Transmission and Fading Channels. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4121-4131	10.2	30

304	Semi-supervised multi-view clustering with Graph-regularized Partially Shared Non-negative Matrix Factorization. <i>Knowledge-Based Systems</i> , 2020 , 190, 105185	7.3	13
303	Decentralized finite-time adaptive fault-tolerant synchronization tracking control for multiple UAVs with prescribed performance. <i>Journal of the Franklin Institute</i> , 2020 , 357, 11830-11862	4	21
302	Funnel Control of Uncertain High-Order Nonlinear Systems With Unknown Rational Powers. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-10	7.3	3
301	Special Issue on Neuro-Robotics: From Brain Machine Interfaces to Rehabilitation Robotics. <i>Advanced Robotics</i> , 2020 , 34, 975-975	1.7	
300	Motion Tracking Control Design for a Class of Nonholonomic Mobile Robot Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 2150-2156	7.3	21
299	Finite-Horizon State Estimation for Time-Varying Neural Networks with Periodic Inner Coupling and Measurements Scheduling. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 211-219	7.3	22
298	Human-Inspired Control of Dual-Arm Exoskeleton Robots With Force and Impedance Adaptation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 5296-5305	7.3	28
297	Position and Posture Control of Planar Four-Link Underactuated Manipulator Based on Neural Network Model. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 4721-4728	8.9	9
296	Distributed Finite-Time Fault-Tolerant Containment Control for Multiple Unmanned Aerial Vehicles. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 2077-2091	10.3	60
295	Robust Vision-Based Tube Model Predictive Control of Multiple Mobile Robots for Leader-Follower Formation. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3096-3106	8.9	26
294	Adaptive Visual Regulation of Wheeled Mobile Robots: a Switching Approach. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020 , 98, 345-358	2.9	5
293	Output Feedback Adaptive Motion Control and Its Experimental Verification for Time-Delay Nonlinear Systems With Asymmetric Hysteresis. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6824-6834	8.9	26
292	Barrier Function-Based Adaptive Control for Uncertain Strict-Feedback Systems Within Predefined Neural Network Approximation Sets. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 2942-2954	10.3	3
291	Wildfire Flame and Smoke Detection Using Static Image Features and Artificial Neural Network 2019 ,		3
290	Fault-Tolerant Adaptive Neural Control of Multi-UAVs Against Actuator Faults 2019 ,		3
289	Decentralized fault-tolerant cooperative control of multiple UAVs with prescribed attitude synchronization tracking performance under directed communication topology. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2019 , 20, 685-700	2.2	6
288	A novel position-posture control method using intelligent optimization for planar underactuated mechanical systems. <i>Mechanism and Machine Theory</i> , 2019 , 140, 258-273	4	4
287	Control strategy based on Fourier transformation and intelligent optimization for planar Pendubot. <i>Information Sciences</i> , 2019 , 491, 279-288	7.7	13

286	A new control method for planar four-link underactuated manipulator based on intelligence optimization. <i>Nonlinear Dynamics</i> , 2019 , 96, 573-583	5	3
285	Finite-Time Convergence Adaptive Fuzzy Control for Dual-Arm Robot With Unknown Kinematics and Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 574-588	8.3	129
284	AI-Driven Intelligent Fault Detection and Diagnosis in a Hybrid AC/DC Microgrid 2019 ,		5
283	Distributed Leader-follower Formation Control of Nonholonomic Mobile Robots. <i>IFAC-PapersOnLine</i> , 2019 , 52, 67-72	0.7	9
282	Distributed adaptive fractional-order fault-tolerant cooperative control of networked unmanned aerial vehicles via fuzzy neural networks. <i>IET Control Theory and Applications</i> , 2019 , 13, 2917-2929	2.5	32
281	Adaptive Control and Optimization of Mobile Manipulation Subject to Input Saturation and Switching Constraints. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 1543-1555	4.9	16
280	Adaptive Tracking Control of a Class of Constrained Euler-Lagrange Systems by Factorization of Dynamic Mass Matrix. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7831-7840	8.9	6
279	Adaptive Estimated Inverse Output-Feedback Quantized Control for Piezoelectric Positioning Stage. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2106-2118	10.2	93
278	Decentralized Adaptive Neural Approximated Inverse Control for a Class of Large-Scale Nonlinear Hysteretic Systems With Time Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 2424-2437	7.3	83
277	Remote Estimator Design for Time-Delay Neural Networks Using Communication State Information. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5149-5158	10.3	22
276	Adaptive Neural Network Control for Robotic Manipulators With Unknown Deadzone. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2670-2682	10.2	49
275	Online Robot Reference Trajectory Adaptation for Haptic Identification of Unknown Force Field. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 318-326	2.9	1
274	Asymmetric Bimanual Control of Dual-Arm Exoskeletons for Human-Cooperative Manipulations. <i>IEEE Transactions on Robotics</i> , 2018 , 34, 264-271	6.5	116
273	Mind Control of a Robotic Arm With Visual Fusion Technology. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3822-3830	11.9	75
272	Adaptive Neural-Network-Based Active Control of Regenerative Chatter in Micromilling. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 628-640	4.9	11
271	Personalized Variable Gain Control With Tremor Attenuation for Robot Teleoperation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1759-1770	7.3	110
270	Neuro-adaptive observer based control of flexible joint robot. <i>Neurocomputing</i> , 2018 , 275, 73-82	5.4	49
269	State Estimation for Periodic Neural Networks With Uncertain Weight Matrices and Markovian Jump Channel States. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1841-1850	7.3	42

268	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 121-131	5.5	90
267	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 329-340	4.9	131
266	Distributed Fractional-Order Finite-Time Control for Multiple Unmanned Aerial Vehicles 2018 ,		7
265	Nonlinear dynamic and electromagnetic interference coupled-field analysis in a semi-active suspension system with magneto-rheological damper. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2018 , 58, 41-55	0.4	3
264	An Extended Immersion and Invariance for Acceleration-Level Pseudo-Dynamic Visual Regulation of Mobile Robots 2018 ,		1
263	Nonlinear Dynamic Analysis of a Skyhook-Based Semi-Active Suspension System With Magneto-Rheological Damper. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 10446-10456	6.8	12
262	Robust Control Design of Uncertain Strict Feedback Systems Using Adaptive Filters. <i>Lecture Notes in Computer Science</i> , 2018 , 768-774	0.9	
261	A quick position control strategy based on optimization algorithm for a class of first-order nonholonomic system. <i>Information Sciences</i> , 2018 , 460-461, 264-278	7.7	9
260	Adaptive Impedance Control for an Upper Limb Robotic Exoskeleton Using Biological Signals. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1664-1674	8.9	165
259	BrainMachine Interface and Visual Compressive Sensing-Based Teleoperation Control of an Exoskeleton Robot. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 58-69	8.3	57
258	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2218-2232	7.3	19
257	Motion Detection Enhanced Control of an Upper Limb Exoskeleton Robot for Rehabilitation Training. <i>International Journal of Humanoid Robotics</i> , 2017 , 14, 1650031	1.2	12
256	Robust adaptive output-feedback control for a class of nonlinear systems with hysteresis compensation controller. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017 , 31, 1636-1654	2.8	5
255	Haptic Identification by ELM-Controlled Uncertain Manipulator. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2398-2409	7.3	116
254	Motion Planning for Omnidirectional Wheeled Mobile Robot by Potential Field Method. <i>Journal of Advanced Transportation</i> , 2017 , 2017, 1-11	1.9	24
253	FNN approximation-based adaptive control for suppressing chatter in nonlinear milling with piezo-actuators 2017 ,		1
252	Global adaptive tracking control of robot manipulators using neural networks with finite-time learning convergence. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 1916-1924	2.9	35
251	Inverse Adaptive Controller Design for Magnetostrictive-Actuated Dynamic Systems. <i>Microsystems and Nanosystems</i> , 2017 , 687-714	0.4	

250	Teleoperation Control Based on Combination of Wave Variable and Neural Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2125-2136	7.3	226
249	Neural Control of Bimanual Robots With Guaranteed Global Stability and Motion Precision. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 1162-1171	11.9	264
248	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2100-2113	7.3	15
247	Human Cooperative Wheelchair With BrainMachine Interaction Based on Shared Control Strategy. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017 , 22, 185-195	5.5	57
246	Adaptive Stabilization of a Class of Feedforward Nonlinear Systems Subject to Unknown Backlash-Hysteresis Inputs. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 1180-1192	4.8	5
245	A product-of-exponential-based robot calibration method with optimal measurement configurations. <i>International Journal of Advanced Robotic Systems</i> , 2017 , 14, 172988141774355	1.4	15
244	Dual Rate Adaptive Control for an Industrial Heat Supply Process Using Signal Compensation Approach. <i>IFAC-PapersOnLine</i> , 2017 , 50, 1877-1884	0.7	3
243	Impact dynamics in robotic and mechatronic systems 2017 ,		3
242	Fault-Tolerant Control of a Class of Switched Nonlinear Systems With Structural Uncertainties. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016 , 63, 201-205	3.5	31
241	Vision-Based Human Tracking Control of a Wheeled Inverted Pendulum Robot. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 2423-2434	10.2	47
240	Modeling and Control of Piezo-Actuated Nanopositioning Stages: A Survey. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016 , 13, 313-332	4.9	306
239	Sampled-data-based stabilization of switched linear neutral systems. <i>Automatica</i> , 2016 , 72, 92-99	5.7	101
238	Transient tracking performance guaranteed global NN control of robot manipulator 2016 ,		1
237	Teleoperation control of an exoskeleton robot using brain machine interface and visual compressive sensing 2016 ,		3
236	Adaptive impedance control of robotic exoskeletons using reinforcement learning 2016 ,		5
235	RGB-D sensor-based visual SLAM for localization and navigation of indoor mobile robot 2016 ,		15
234	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6471-6481	8.9	71
233	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 5733-5743	8.9	46

232	Control of constrained robots subject to unilateral contacts and friction cone constraints 2016 ,		9
231	Neural Network-Based Control of Networked Trilateral Teleoperation With Geometrically Unknown Constraints. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1051-64	10.2	63
230	Adaptive control for continuous-time systems with actuator and sensor hysteresis. <i>Automatica</i> , 2016 , 64, 196-207	5.7	37
229	Adaptive Control for Ionic Polymer-Metal Composite Actuators. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1468-1477	7.3	19
228	Modeling and Identification of Piezoelectric-Actuated Stages Cascading Hysteresis Nonlinearity With Linear Dynamics. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016 , 21, 1792-1797	5.5	69
227	Trajectory-Tracking Control of Mobile Robot Systems Incorporating Neural-Dynamic Optimized Model Predictive Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 740-749	7.3	223
226	Modeling of Piezoelectric-Actuated Nanopositioning Stages Involving with the Hysteresis 2016 , 183-212		2
225	Neural Network Approximation Based Multi-dimensional Active Control of Regenerative Chatter in Micro-milling. <i>Lecture Notes in Computer Science</i> , 2016 , 250-259	0.9	1
224	Robust Adaptive Neural Control for a Class of Time-Varying Delay Systems with Backlash-like Hysteresis Input. <i>Asian Journal of Control</i> , 2016 , 18, 1087-1101	1.7	10
223	Kinematics modeling of Geomagic Touch X haptic device based on adaptive parameter identification 2016 ,		3
222	A Comprehensive Dynamic Model for Magnetostrictive Actuators Considering Different Input Frequencies With Mechanical Loads. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 980-990	11.9	17
221	Robust Relative Navigation by Integration of ICP and Adaptive Kalman Filter Using Laser Scanner and IMU. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016 , 21, 2015-2026	5.5	69
220	Odd-harmonic repetitive control for high-speed raster scanning of piezo-actuated nanopositioning stages with hysteresis nonlinearity. <i>Sensors and Actuators A: Physical</i> , 2016 , 244, 95-105	3.9	20
219	Optimal balancing control of bipedal robots using reinforcement learning 2016 ,		2
218	Development of a biofeedback enhanced multimedia game 2016 ,		1
217	Adaptive Control of Magnetostrictive-Actuated Positioning Systems with Input Saturation. <i>Lecture Notes in Computer Science</i> , 2016 , 635-645	0.9	
216	Adaptive Dynamic Surface Inverse Output Feedback Control for a Class of Hysteretic Systems. <i>Lecture Notes in Computer Science</i> , 2016 , 646-662	0.9	
215	Nonlinear Control of Systems Preceded by Preisach Hysteresis Description: A Prescribed Adaptive Control Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 1-1	4.8	24

214	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5763-5775	8.9	142
213	Adaptive Neural Network Dynamic Surface Control for a Class of Time-Delay Nonlinear Systems With Hysteresis Inputs and Dynamic Uncertainties. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 2844-60	10.3	49
212	Adaptive control for micro/nano positioning system driven by piezo electric actuator 2015 ,		1
211	Robust inverse compensation and control of a class of non-linear systems with unknown asymmetric backlash non-linearity. <i>IET Control Theory and Applications</i> , 2015 , 9, 1869-1877	2.5	12
210	Vision-Based Model Predictive Control for Steering of a Nonholonomic Mobile Robot. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 1-1	4.8	47
209	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 1956-1965	5.5	64
208	Adaptive controller design for generic quadrotor aircraft platform subject to slung load 2015 ,		8
207	Fuzzy Approximation-Based Adaptive Backstepping Control of an Exoskeleton for Human Upper Limbs. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 555-566	8.3	146
206	Missile Guidance Law Based on Robust Model Predictive Control Using Neural-Network Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1803-9	10.3	49
205	2015 ,		12
204	Development of a physiological signals enhanced teleoperation strategy 2015 ,		3
203	Manipulation and grasping control for a hand-eye robot system using sensory-motor fusion 2015 ,		1
202	Intelligent Networked Teleoperation Control 2015 ,		22
201	Brain-actuated teleoperation control of a mobile robot 2015 ,		2
200	Adaptive neural network control for uncertain MIMO robotic systems with time-varying delay and unknown backlash-like hysteresis 2015 ,		4
199	Teleoperated robot writing using EMG signals 2015 ,		10
198	. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 1044-1056	8.3	63
197	Robust Adaptive Inverse Control of a Class of Nonlinear Systems With Prandtl-Ishlinskii Hysteresis Model. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2170-2175	5.9	62

196	Barrier Lyapunov Based Control of dual-arm exoskeleton robots performing asymmetric bimanual tasks 2014 ,			1
195	Modeling and inverse adaptive control of asymmetric hysteresis systems with applications to magnetostrictive actuator. <i>Control Engineering Practice</i> , 2014 , 33, 148-160	3.9		35
194	Experimental characterization and modeling of rate-dependent asymmetric hysteresis of magnetostrictive actuators. <i>Smart Materials and Structures</i> , 2014 , 23, 035002	3.4		25
193	Modeling and Compensation of Asymmetric Hysteresis Nonlinearity for Piezoceramic Actuators With a Modified Prandtl-Bhinskii Model. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 1583-1595	8.9		232
192	Compensation of Hysteresis Nonlinearity in Magnetostrictive Actuators With Inverse Multiplicative Structure for Preisach Model. <i>IEEE Transactions on Automation Science and Engineering</i> , 2014 , 11, 613-619	4.9		75
191	Robust Nonlinear Feedback Design for Wing Rock Stabilization. <i>Journal of Guidance, Control, and Dynamics</i> , 2014 , 37, 321-325	2.1		0
190	Integral resonant damping for high-bandwidth control of piezoceramic stack actuators with asymmetric hysteresis nonlinearity. <i>Mechatronics</i> , 2014 , 24, 367-375	3		20
189	Adaptive Inverse Output Feedback Control of Uncertain Systems Preceded with Hysteresis Actuators. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 7196-7201			1
188	Prescribed adaptive control of unknown hysteresis in smart material actuated systems. <i>Production and Manufacturing Research</i> , 2014 , 2, 712-724	3.3		3
187	Inverse error analysis and adaptive output feedback control of uncertain systems preceded with hysteresis actuators. <i>IET Control Theory and Applications</i> , 2014 , 8, 1824-1832	2.5		7
186	Decentralised adaptive control of cooperating Robotic manipulators with disturbance observers. <i>IET Control Theory and Applications</i> , 2014 , 8, 515-521	2.5		33
185	Hysteresis modeling for IPMC actuators with rate-dependent Preisach model 2014 ,			3
184	The Power-Performance Tradeoffs of the Intel Xeon Phi on HPC Applications 2014 ,			22
183	Trajectory tracking of mobile robots based on model predictive control using primal dual neural network 2014 ,			1
182	Development and Learning Control of a Human Limb With a Rehabilitation Exoskeleton. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 3776-3785	8.9		150
181	High-precision control of piezoelectric nanopositioning stages using hysteresis compensator and disturbance observer. <i>Smart Materials and Structures</i> , 2014 , 23, 105007	3.4		29
180	Iterative learning control of an exoskeleton for human upper limbs 2014 ,			1
179	Adaptive fuzzy-based motion generation and control of mobile under-actuated manipulators. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 30, 86-95	7.2		24

178	Motion Control of Piezoelectric Positioning Stages: Modeling, Controller Design, and Experimental Evaluation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2013 , 18, 1459-1471	5.5	161
177	. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 989-1005	8.3	14
176	Robust Adaptive Control of a Class of Nonlinear Systems with Unknown Hysteresis Nonlinearity. <i>Lecture Notes in Computer Science</i> , 2013 , 623-634	0.9	
175	Neural-adaptive control of single-master-multiple-slaves teleoperation for coordinated multiple mobile manipulators with time-varying communication delays and input uncertainties. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 1400-13	10.3	130
174	Boosting-based EMG patterns classification scheme for robustness enhancement. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2013 , 17, 545-52	7.2	44
173	Motion/force tracking control of nonholonomic mechanical systems via combining cascaded design and backstepping. <i>Automatica</i> , 2013 , 49, 3682-3686	5.7	36
172	Hybrid brain/muscle-actuated control of an intelligent wheelchair 2013 ,		10
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10	Intelligent control of piezoelectric actuators	28
9	A Direct Method for Robust Adaptive Nonlinear Control with Unknown Hysteresis	1
8	Robust adaptive control of a class of nonlinear systems with unknown dead-zone	5
7	Adaptive control of a class of nonlinear systems preceded by an unknown backlash-like hysteresis	1
6	A sliding mode controller with improved adaptation laws for the upper bounds on the norm of uncertainties	3
5		2
4		9
3	Robust control of rigid-link electrically-driven robot manipulators	2
2	Adaptive motion/force control of mechanical systems with nonholonomic Pfaffian constraints	3
1	PSO-based nonlinear model predictive planning and discrete-time sliding tracking control for uncertain planar underactuated manipulators. <i>International Journal of Systems Science</i> , 1-15	2.3 0