

Chun-Yi Su

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339
papers

10,050
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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	Robust adaptive control of a class of nonlinear systems with unknown dead-zone. <i>Automatica</i> , 2004 , 40, 407-413	5.7	392
338	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
337	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
336	An Analytical Generalized Prandtl-Ishlinskii Model Inversion for Hysteresis Compensation in Micropositioning Control. <i>IEEE/ASME Transactions on Mechatronics</i> , 2011 , 16, 734-744	5.5	263
335	Modeling and Compensation of Asymmetric Hysteresis Nonlinearity for Piezoceramic Actuators With a Modified Prandtl-Ishlinskii Model. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 1583-1595	8.9	232
334	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
333	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
332	. <i>IEEE Transactions on Fuzzy Systems</i> , 1994 , 2, 285-294	8.3	219
331	Adaptive tracking of nonlinear systems with non-symmetric dead-zone input. <i>Automatica</i> , 2007 , 43, 522-530	5.3	190
330	Adaptive variable structure control of a class of nonlinear systems with unknown Prandtl-Ishlinskii hysteresis. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 2069-2074	5.9	181
329	T-S Fuzzy-Model-Based Robust H_{∞} Design for Networked Control Systems With Uncertainties. <i>IEEE Transactions on Industrial Informatics</i> , 2007 , 3, 289-301	11.9	170
328	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
327	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
326	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
325	Adaptive neural control for a class of uncertain nonlinear systems in pure-feedback form with hysteresis input. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 431-43		147
324	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
323	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5763-5775	8.9	142

322	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 329-340	4.9	131
321	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
320	A Sliding Mode Controller with Improved Adaptation Laws for the Upper Bounds on the Norm of Uncertainties. <i>Automatica</i> , 1998 , 34, 1657-1661	5.7	130
319	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
318	Haptic Identification by ELM-Controlled Uncertain Manipulator. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2398-2409	7.3	116
317	Asymmetric Bimanual Control of Dual-Arm Exoskeletons for Human-Cooperative Manipulations. <i>IEEE Transactions on Robotics</i> , 2018 , 34, 264-271	6.5	116
316	A Novel Robust Nonlinear Motion Controller With Disturbance Observer. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 137-147	4.8	114
315	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
314	Experimental characterization and modeling of rate-dependent hysteresis of a piezoceramic actuator. <i>Mechatronics</i> , 2009 , 19, 656-670	3	110
313	Trilateral Teleoperation of Adaptive Fuzzy Force/Motion Control for Nonlinear Teleoperators With Communication Random Delays. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 610-624	8.3	109
312	A generalized Prandtl-Bhlinkii model for characterizing the hysteresis and saturation nonlinearities of smart actuators. <i>Smart Materials and Structures</i> , 2009 , 18, 045001	3.4	109
311	Robust adaptive control of a class of nonlinear systems including actuator hysteresis with Prandtl-Bhlinkii presentations. <i>Automatica</i> , 2006 , 42, 859-867	5.7	109
310	Adaptive control of a class of nonlinear systems with nonlinearly parameterized fuzzy approximators. <i>IEEE Transactions on Fuzzy Systems</i> , 2001 , 9, 315-323	8.3	109
309	Development of the rate-dependent Prandtl-Bhlinkii model for smart actuators. <i>Smart Materials and Structures</i> , 2008 , 17, 035026	3.4	102
308	Sampled-data-based stabilization of switched linear neutral systems. <i>Automatica</i> , 2016 , 72, 92-99	5.7	101
307	Adaptive Estimated Inverse Output-Feedback Quantized Control for Piezoelectric Positioning Stage. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2106-2118	10.2	93
306	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 121-131	5.5	90
305	Stable adaptive fuzzy control of nonlinear systems preceded by unknown backlash-like hysteresis. <i>IEEE Transactions on Fuzzy Systems</i> , 2003 , 11, 1-8	8.3	89

304	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
303	A nonlinear disturbance observer for multivariable systems and its application to magnetic bearing systems. <i>IEEE Transactions on Control Systems Technology</i> , 2004 , 12, 569-577	4.8	81
302	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 609-614	5.9	76
301	Mind Control of a Robotic Arm With Visual Fusion Technology. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3822-3830	11.9	75
300	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
299	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2003 , 19, 175-181		74
298	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6471-6481	8.9	71
297	. <i>IEEE Transactions on Automatic Control</i> , 1991 , 36, 347-353	5.9	71
296	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
295	Observer-based control of discrete-time Lipschitzian non-linear systems: application to one-link flexible joint robot. <i>International Journal of Control</i> , 2005 , 78, 385-395	1.5	69
294	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
293	Adaptive Control for Uncertain Continuous-Time Systems Using Implicit Inversion of Prandtl-Ishlinskii Hysteresis Representation. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 2357-2363	5.9	66
292	Adaptive neural control for a class of nonlinear systems with uncertain hysteresis inputs and time-varying state delays. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 1148-64		65
291	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 1956-1965	5.5	64
290	Adaptive Control for the Systems Preceded by Hysteresis. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1019-1025	5.9	64
289	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
288	. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 1044-1056	8.3	63
287	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

286	Roll- and pitch-plane coupled hydro-pneumatic suspension. <i>Vehicle System Dynamics</i> , 2010 , 48, 361-386	2.8	61
285	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
284	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
283	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
282	Variable structure control of robotic manipulator with PID sliding surfaces. <i>International Journal of Robust and Nonlinear Control</i> , 1998 , 8, 79-90	3.6	53
281	Adaptive variable structure set-point control of underactuated robots. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 2090-2093	5.9	50
280	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
279	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
278	Adaptive Neural Network Control for Robotic Manipulators With Unknown Deadzone. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2670-2682	10.2	49
277	Neuro-adaptive observer based control of flexible joint robot. <i>Neurocomputing</i> , 2018 , 275, 73-82	5.4	49
276	Vision-Based Human Tracking Control of a Wheeled Inverted Pendulum Robot. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 2423-2434	10.2	47
275	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
274	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 5733-5743	8.9	46
273	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
272	Roll- and pitch-plane-coupled hydro-pneumatic suspension. Part 2: dynamic response analyses. <i>Vehicle System Dynamics</i> , 2010 , 48, 507-528	2.8	44
271	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
270	Pseudo-inverse-based adaptive control for uncertain discrete time systems preceded by hysteresis. <i>Automatica</i> , 2009 , 45, 469-476	5.7	42
269	Data-based virtual unmodeled dynamics driven multivariable nonlinear adaptive switching control. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 2154-72		41

268	Stabilization of uncertain nonholonomic systems via time-varying sliding mode control. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 757-763	5.9	39
267	Adaptive control for continuous-time systems with actuator and sensor hysteresis. <i>Automatica</i> , 2016 , 64, 196-207	5.7	37
266	Generalized Prandtl-Ishlinskii hysteresis model: Hysteresis modeling and its inverse for compensation in smart actuators 2008 ,		37
265	Motion/force tracking control of nonholonomic mechanical systems via combining cascaded design and backstepping. <i>Automatica</i> , 2013 , 49, 3682-3686	5.7	36
264	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
263	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
262	Variable structure control of robot manipulators with nonlinear sliding manifolds. <i>International Journal of Control</i> , 1993 , 58, 285-300	1.5	34
261	Decentralised adaptive control of cooperating Robotic manipulators with disturbance observers. <i>IET Control Theory and Applications</i> , 2014 , 8, 515-521	2.5	33
260	Adaptive control of system involving complex hysteretic nonlinearities: a generalised Prandtl-Ishlinskii modelling approach. <i>International Journal of Control</i> , 2009 , 82, 1786-1793	1.5	32
259	. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1995 , 25, 871-878		32
258	Combined adaptive and variable structure control for constrained robots. <i>Automatica</i> , 1995 , 31, 483-488	5.7	32
257	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
256	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
255	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
254	Compensation of rate-dependent hysteresis nonlinearities in a magnetostrictive actuator using an inverse Prandtl-Ishlinskii model. <i>Smart Materials and Structures</i> , 2013 , 22, 025027	3.4	30
253	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
252	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
251	Intelligent control of piezoelectric actuators		28

250	Observer design for discrete-time systems subject to time-delay nonlinearities. <i>International Journal of Systems Science</i> , 2006 , 37, 629-641	2.3	28
249	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
248	Fault-Tolerant Control for Quadrotor UAV via Backstepping Approach 2010 ,		26
247	An Adaptive Robust Nonlinear Motion Controller Combined With Disturbance Observer. <i>IEEE Transactions on Control Systems Technology</i> , 2010 , 18, 454-462	4.8	26
246	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
245	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
244	Experimental characterization and modeling of rate-dependent asymmetric hysteresis of magnetostrictive actuators. <i>Smart Materials and Structures</i> , 2014 , 23, 035002	3.4	25
243	Heavy vehicle pitch dynamics and suspension tuning. Part I: unconnected suspension. <i>Vehicle System Dynamics</i> , 2008 , 46, 931-953	2.8	25
242	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
241	Motion Planning for Omnidirectional Wheeled Mobile Robot by Potential Field Method. <i>Journal of Advanced Transportation</i> , 2017 , 2017, 1-11	1.9	24
240	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
239	State observer-based robust control scheme for electrically driven robot manipulators. <i>Journal of the American College of Radiology</i> , 2004 , 20, 796-804	3.5	24
238	Operator-based robust control for nonlinear systems with Prandtl-Bhlinkii hysteresis. <i>International Journal of Systems Science</i> , 2011 , 42, 643-652	2.3	23
237	BACKSTEPPING-BASED HYBRID ADAPTIVE CONTROL OF ROBOT MANIPULATORS INCORPORATING ACTUATOR DYNAMICS 1997 , 11, 141-153		23
236	. <i>IEEE Transactions on Automation Science and Engineering</i> , 1995 , 11, 426-432		23
235	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
234	Intelligent Networked Teleoperation Control 2015 ,		22
233	The Power-Performance Tradeoffs of the Intel Xeon Phi on HPC Applications 2014 ,		22

232	Finite-Horizon \mathcal{H}_∞ 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
231	Compound Adaptive Fuzzy Quantized Control for Quadrotor and Its Experimental Verification. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1121-1133	10.2	22
230	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
229	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
228	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
227	Integral resonant damping for high-bandwidth control of piezoceramic stack actuators with asymmetric hysteresis nonlinearity. <i>Mechatronics</i> , 2014 , 24, 367-375	3	20
226	Robust adaptive control for a class of perturbed strict-feedback non-linear systems with unknown Prandtl-Ishlinskii hysteresis. <i>International Journal of Control</i> , 2008 , 81, 1699-1708	1.5	20
225	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
224	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2218-2232	7.3	19
223	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 2112-2122	5.5	19
222	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
221	Hysteresis compensation for smart actuators using inverse generalized Prandtl-Ishlinskii model 2009 ,		19
220	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
219	A note on the properties of a generalized Prandtl-Ishlinskii model. <i>Smart Materials and Structures</i> , 2011 , 20, 087003	3.4	17
218	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 916-928	7	17
217	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
216	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
215	Adaptive control of a class of nonlinear systems with a first-order parameterized Sugeno fuzzy approximator. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2001 , 31, 410-419		16

214	Adaptive sliding mode control of robot manipulators: General sliding manifold case. <i>Automatica</i> , 1994 , 30, 1497-1500	5.7	16
213	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
212	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2624-2634	7.3	16
211	RGB-D sensor-based visual SLAM for localization and navigation of indoor mobile robot 2016 ,		15
210	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2100-2113	7.3	15
209	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
208	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
207	. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 989-1005	8.3	14
206	Robust Control of Collaborative Manipulators - Flexible Object System. <i>International Journal of Advanced Robotic Systems</i> , 2013 , 10, 257	1.4	14
205	A hybrid intelligent optimal control method for complex flotation process. <i>International Journal of Systems Science</i> , 2009 , 40, 945-960	2.3	14
204	Robust motion tracking control of partially nonholonomic mechanical systems. <i>Robotics and Autonomous Systems</i> , 2006 , 54, 332-341	3.5	14
203	Comparison of Roll Properties of Hydraulically and Pneumatically Interconnected Suspensions for Heavy Vehicles 2005 ,		14
202	Control strategy based on Fourier transformation and intelligent optimization for planar Pendubot. <i>Information Sciences</i> , 2019 , 491, 279-288	7.7	13
201	Simultaneous State and Dead-Zone Parameter Estimation for a Class of Bounded-State Nonlinear Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2011 , 19, 911-919	4.8	13
200	Intelligent work-situation fault diagnosis and fault-tolerant system for the shaft-furnace roasting process. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2007 , 221, 843-855	1	13
199	Hybrid Intelligent Optimising Control for High-Intensity Magnetic Separating Process of Hematite Ore. <i>Measurement and Control</i> , 2007 , 40, 171-175	1.5	13
198	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
197	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

196	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
195	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
194	2015 ,		12
193	Reconfigurable control allocation applied to an aircraft benchmark model 2008 ,		12
192	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
191	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
190	Robust adaptive control of systems with hysteretic nonlinearities: A Duhem hysteresis modelling approach 2009 ,		11
189	Pitch Attitude Control and Braking Performance Analysis of Heavy Vehicle with Interconnected Suspensions 2007 ,		11
188	A Generalized Model of a Class of Interconnected Hydro-Pneumatic Suspensions and Analysis of Pitch Properties 2006 , 137		11
187	Hybrid brain/muscle-actuated control of an intelligent wheelchair 2013 ,		10
186	Teleoperated robot writing using EMG signals 2015 ,		10
185	Robust output tracking control for the systems with uncertainties. <i>International Journal of Systems Science</i> , 2002 , 33, 247-257	2.3	10
184	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
183	Control of constrained robots subject to unilateral contacts and friction cone constraints 2016 ,		9
182	Inverse generalized asymmetric Prandtl-Ishlinskii model for compensation of hysteresis nonlinearities in smart actuators 2009 ,		9
181	ROBUST VIBRATION CONTROL FOR FLEXIBLE ARMS USING THE SLIDING MODE METHOD. <i>Asian Journal of Control</i> , 2008 , 5, 594-604	1.7	9
180	Variable phase control of wing rock. <i>Aerospace Science and Technology</i> , 2006 , 10, 27-35	4.9	9
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178	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
177	Distributed Leader-follower Formation Control of Nonholonomic Mobile Robots. <i>IFAC-PapersOnLine</i> , 2019 , 52, 67-72	0.7	9
176	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
175	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
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