Wei He

List of Publications by Year in Descending Order

297 papers	13,278 citations	62 h-index	110 g-index
375 ext. papers	16,772 ext. citations	4.8 avg, IF	7.75 L-index

#	Paper	IF	Citations
297	Trajectory Tracking Control for a Three-Dimensional Flexible Wing. *IEEE Transactions on Control Systems Technology*, **2022**, 1-8	4.8	11
296	Pose Estimation for Mobile Robots with Monocular Vision. *Lecture Notes in Electrical Engineering*, **2022**, 4179-4188	0.2	
295	Distributed Nash Equilibrium Seeking for Non-Cooperative Games with a Coupled Inequality Constraint. *Lecture Notes in Electrical Engineering*, **2022**, 861-870	0.2	
294	Proportional integral derivative booster for neural networks-based time-series prediction: Case of water demand prediction. *Engineering Applications of Artificial Intelligence*, **2022**, 108, 104570	7.2	1
293	Human-Robot Variable Impedance Skills Transfer Learning Based on Dynamic Movement Primitives. *IEEE Robotics and Automation Letters*, **2022**, 1-1	4.2	1
292	Human-in-the-Loop Control of Soft Exosuits Using Impedance Learning on Different Terrains. *IEEE Transactions on Robotics*, **2022**, 1-10	6.5	8
291	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-10	7.3	1
290	Coordinate-Free Distributed Localization and Circumnavigation for Nonholonomic Vehicles Without Position Information. *IEEE/ASME Transactions on Mechatronics*, **2021**, 1-12	5.5	0
289	. *IEEE Transactions on Aerospace and Electronic Systems*, **2021**, 1-1	3.7	3
288	Fuzzy Approximation-Based Finite-Time Control for a Robot With Actuator Saturation Under Time-Varying Constraints of Work Space. *IEEE Transactions on Cybernetics*, **2021**, 51, 4873-4884	10.2	16
287	Neural Control of Robot Manipulators With Trajectory Tracking Constraints and Input Saturation. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 4231-4242	10.3	38
286	Vibration Control of a High-Rise Building Structure: Theory and Experiment. *IEEE/CAA Journal of Automatica Sinica*, **2021**, 8, 866-875	7	13
285	Modeling and adaptive control for a spatial flexible spacecraft with unknown actuator failures. *Science China Information Sciences*, **2021**, 64, 1	3.4	52
284	Guest Editorial Focused Section on Mechatronics in Unmanned Systems. *IEEE/ASME Transactions on Mechatronics*, **2021**, 26, 595-599	5.5	
283	Effects of airfoil on aerodynamic performance of flapping wing. *Biomimetic Intelligence and Robotics*, **2021**, 1, 100004		
282	Adaptive-Neural-Network-Based Trajectory Tracking Control for a Nonholonomic Wheeled Mobile Robot With Velocity Constraints. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 5057-5067	8.9	20
281	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 5184-5196	8.9	12

280	Detecting safety helmet wearing on construction sites with bounding-box regression and deep transfer learning. *Computer-Aided Civil and Infrastructure Engineering*, **2021**, 36, 180-196	8.4	20
279	Boundary Output Feedback Control for a Flexible Two-Link Manipulator System With High-Gain Observers. *IEEE Transactions on Control Systems Technology*, **2021**, 29, 835-840	4.8	10
278	Tracking Control of a Flexible String System Based on Iterative Learning Control. *IEEE Transactions on Control Systems Technology*, **2021**, 29, 436-443	4.8	11
277	Vibration control and stability analysis of a nanobeam with boundary prescribed performance. *International Journal of Control*, **2021**, 94, 1033-1042	1.5	3
276	Robust Neurooptimal Control for a Robot via Adaptive Dynamic Programming. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 2584-2594	10.3	8
275	Human-Robot Co-Carrying Using Visual and Force Sensing. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 8657-8666	8.9	28
274	Regulatory science for hernia mesh: Current status and future perspectives. *Bioactive Materials*, **2021**, 6, 420-432	16.7	5
273	Bayesian Estimation of Human Impedance and Motion Intention for Human-Robot Collaboration. *IEEE Transactions on Cybernetics*, **2021**, 51, 1822-1834	10.2	30
272	. *IEEE Transactions on Cognitive and Developmental Systems*, **2021**, 13, 57-66	3	5
271	Distributed Parameter Modeling and Boundary Control of an Octopus Tentacle-Inspired Soft Robot. *IEEE Transactions on Control Systems Technology*, **2021**, 1-13	4.8	1
270	Predictor-Based Control for a Flexible Satellite Subject to Output Time Delay. *IEEE Transactions on Control Systems Technology*, **2021**, 1-13	4.8	3
269	Boundary Feedback Control of a Nonhomogeneous Wind Turbine Tower with Exogenous Disturbances. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	14
268	Hamiltonian-Driven Adaptive Dynamic Programming With Approximation Errors. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	10
267	Vibration Control of a Constrained Two-Link Flexible Robotic Manipulator With Fixed-Time Convergence. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	3
266	Adaptive fuzzy control for a hybrid spacecraft system with spatial motion and communication constraints. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	0
265	Robustification of Learning Observers to Uncertainty Identification via Time-varying Learning Intensity. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1	3.5	1
264	Adaptive-Constrained Impedance Control for Human-Robot Co-Transportation. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	8
263	Bidirectional Human-Robot Bimanual Handover of Big Planar Object With Vertical Posture. *IEEE Transactions on Automation Science and Engineering*, **2021**, 1-12	4.9	1

262	Adaptive Fault-Tolerant Boundary Control of an Autonomous Aerial Refueling Hose System With Prescribed Constraints. *IEEE Transactions on Automation Science and Engineering*, **2021**, 1-11	4.9	5
261	KAM-Net: Keypoint-Aware and Keypoint-Matching Network for Vehicle Detection from 2D Point Cloud. *IEEE Transactions on Artificial Intelligence*, **2021**, 1-1	4.7	4
260	A novel deep neural network architecture for real-time water demand forecasting. *Journal of Hydrology*, **2021**, 599, 126353	6	9
259	Boundary adaptive fault-tolerant control for a flexible Timoshenko arm with backlash-like hysteresis. *Automatica*, **2021**, 130, 109690	5.7	37
258	Online-learning control with weakened saturation response to attitude tracking: A variable learning intensity approach. *Aerospace Science and Technology*, **2021**, 117, 106981	4.9	1
257	Adaptive Finite-Time Fault-Tolerant Control for Uncertain Flexible Flapping Wings Based on Rigid Finite Element Method. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	2
256	Modeling and trajectory tracking control for flapping-wing micro aerial vehicles. *IEEE/CAA Journal of Automatica Sinica*, **2021**, 8, 148-156	7	120
255	Distributed Formation Control of Multiple Euler-Lagrange Systems: A Multilayer Framework. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	2
254	Disturbance Observer-Based Fault-Tolerant Control for Robotic Systems With Guaranteed Prescribed Performance. *IEEE Transactions on Cybernetics*, **2020**,	10.2	8
253	Adaptive Fuzzy Full-State and Output-Feedback Control for Uncertain Robots With Output Constraint. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-14	7.3	65
252	Neural Networks Based Learning Control for a Piezoelectric Nanopositioning System. *IEEE/ASME Transactions on Mechatronics*, **2020**, 25, 2904-2914	5.5	8
251	Dynamical Modeling and Boundary Vibration Control of a Rigid-Flexible Wing System. *IEEE/ASME Transactions on Mechatronics*, **2020**, 25, 2711-2721	5.5	148
250	Adaptive NN impedance control for an SEA-driven robot. *Science China Information Sciences*, **2020**, 63, 1	3.4	21
249	Reinforcement Learning Control of a Flexible Two-Link Manipulator: An Experimental Investigation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-11	7.3	66
248	Iterative Learning Control for Flexible Structures. *Springer Tracts in Mechanical Engineering*, **2020**,	0.3	1
247	A Single Parameter-Based Adaptive Approach to Robotic Manipulators With Finite Time Convergence and Actuator Fault. *IEEE Access*, **2020**, 8, 15123-15131	3.5	3
246	Layered Affine Formation Control of Networked Uncertain Systems: A Fully Distributed Approach Over Directed Graphs. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	5
245	. *IEEE Transactions on Automation Science and Engineering*, **2020**, 17, 1937-1949	4.9	87

244	Neural-Network Control of a Stand-Alone Tall Building-Like Structure With an Eccentric Load: An Experimental Investigation. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	2
243	ILC for Vibration Suppression, and Output Regulation and Tracking. *Springer Tracts in Mechanical Engineering*, **2020**, 15-47	0.3	
242	Fixed-Time Control for a Class of Unknown Nonlinear Affine Systems and Its applications to a Lithography Machine. *IFAC-PapersOnLine*, **2020**, 53, 1702-1708	0.7	
241	ILC for a Flexible Wing Micro Aerial Vehicle. *Springer Tracts in Mechanical Engineering*, **2020**, 129-152	0.3	
240	Boundary vibration control of a floating wind turbine system with mooring lines. *Control Engineering Practice*, **2020**, 101, 104423	3.9	5
239	Layered Formation-containment Control of Multi-agent Systems in Constrained Space. *International Journal of Control, Automation and Systems*, **2020**, 18, 768-779	2.9	3
238	Combined perception, control, and learning for teleoperation: key technologies, applications, and challenges. *Cognitive Computation and Systems*, **2020**, 2, 33-43	1.2	6
237	Adaptive Coordinated Formation Control of Heterogeneous Vertical Takeoff and Landing UAVs Subject to Parametric Uncertainties. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	9
236	Robust Adaptive Control of an Offshore Ocean Thermal Energy Conversion System. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 5285-5295	7.3	30
235	Force Sensorless Admittance Control With Neural Learning for Robots With Actuator Saturation. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 3138-3148	8.9	79
234	Adaptive Neural Network Control of Underwater Robotic Manipulators Tuned by a Genetic Algorithm. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2020**, 97, 657-672	2.9	13
233	Disturbance Observer-Based Neural Network Control of Cooperative Multiple Manipulators With Input Saturation. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 1735-1746	10.3	53
232	Cooperative Circumnavigation Control of Networked Microsatellites. *IEEE Transactions on Cybernetics*, **2020**, 50, 4550-4555	10.2	16
231	Uncertainty and Disturbance Estimator-Based Control of a Flapping-Wing Aerial Vehicle With Unknown Backlash-Like Hysteresis. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 4826-4835	8.9	16
230	Robust Vision-Based Tube Model Predictive Control of Multiple Mobile Robots for Leader–Follower Formation. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 3096-3106	8.9	26
229	Bilateral Teleoperation of Multiple Robots Under Scheduling Communication. *IEEE Transactions on Control Systems Technology*, **2020**, 28, 1770-1784	4.8	12
228	Composite Neural Learning-Based Nonsingular Terminal Sliding Mode Control of MEMS Gyroscopes. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 1375-1386	10.3	37
227	Data-Driven Feedforward Learning With Force Ripple Compensation for Wafer Stages: A Variable-Gain Robust Approach. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, PP,	10.3	3

226	Formation-containment control of networked collision-free Lagrangian systems. *International Journal of Robust and Nonlinear Control*, **2020**, 30, 2399-2412	3.6	2
225	Multilayer formation control of multi-agent systems. *Automatica*, **2019**, 109, 108558	5.7	46
224	A Survey on 3D Visual Tracking of Multicopters. *International Journal of Automation and Computing*, **2019**, 16, 707-719	3.5	11
223	Feedback noncausal model predictive control of wave energy converters. *Control Engineering Practice*, **2019**, 85, 110-120	3.9	6
222	Highly transparent, highly flexible composite membrane with multiple antimicrobial effects used for promoting wound healing. *Carbohydrate Polymers*, **2019**, 222, 114985	10.3	41
221	Adaptive Fuzzy Control for Coordinated Multiple Robots With Constraint Using Impedance Learning. *IEEE Transactions on Cybernetics*, **2019**, 49, 3052-3063	10.2	128
220	Asymmetric Bounded Neural Control for an Uncertain Robot by State Feedback and Output Feedback. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-12	7.3	47
219	Design and Adaptive Control for an Upper Limb Robotic Exoskeleton in Presence of Input Saturation. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 97-108	10.3	68
218	Robot Learning System Based on Adaptive Neural Control and Dynamic Movement Primitives. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 777-787	10.3	140
217	Iterative Learning Control for a Flapping Wing Micro Aerial Vehicle Under Distributed Disturbances. *IEEE Transactions on Cybernetics*, **2019**, 49, 1524-1535	10.2	183
216	Adaptive fault-tolerant control for a nonlinear flexible aircraft wing system. *Asian Journal of Control*, **2019**, 21, 2340-2351	1.7	12
215	Cooperative adaptive finite-time control for stochastic multi-agent systems with input quantisation. *IET Control Theory and Applications*, **2019**, 13, 746-754	2.5	9
214	Incremental Local Distribution-Based Clustering Using Bayesian Adaptive Resonance Theory. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 3496-3504	10.3	3
213	Low fractal dimension modified drilling-hole wall for PTFE high-frequency board copper plating with plasma treatment. *Journal of Applied Polymer Science*, **2019**, 136, 48052	2.9	3
212	Vibration Control of a Three-Dimensional Flexible Beam **2019**, 163-196		
211	Neural Network Control of a Flexible Beam **2019**, 143-162		
210	Iterative Learning Control of a Flexible Beam **2019**, 127-142		
209	Vibration Control of a Flexible Beam with Output Constraint **2019**, 59-73		

208	Vibration Control of a Flexible Beam with Input Backlash **2019**, 97-111		
207	Vibration Control of a Flexible Beam **2019**, 33-57		
206	Vibration Control of a Flexible Beam with Input Dead-Zone **2019**, 85-95		
205	Safe Intermittent Reinforcement Learning for Nonlinear Systems **2019**,		2
204	Adaptive Neural Admittance Control for Collision Avoidance in Human-Robot Collaborative Tasks **2019**,		1
203	Impedance Control for Coordinated Robots by State and Output Feedback. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-11	7.3	8
202	Guest Editorial Special Issue on Intelligent Control Through Neural Learning and Optimization for HumanMachine Hybrid Systems. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 3530-3533	10.3	1
201	Safety-Aware Reinforcement Learning Framework with an Actor-Critic-Barrier Structure **2019**,		11
200	Distributed Control of a Flexible Beam **2019**, 113-125		
199	Cooperative Adaptive Event-Triggered Control for Multiagent Systems With Actuator Failures. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 1759-1768	7.3	109
198	Active Vibration Control and Stability Analysis of Flexible Beam Systems **2019**,		6
197	Adaptive neural control of unknown non-affine nonlinear systems with input deadzone and unknown disturbance. *Nonlinear Dynamics*, **2019**, 95, 1283-1299	5	13
196	Adaptive finite-time tracking control of full state constrained nonlinear systems with dead-zone. *Automatica*, **2019**, 100, 99-107	5.7	282
195	Nonlinear Constrained Optimal Control of Wave Energy Converters With Adaptive Dynamic Programming. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 7904-7915	8.9	41
194	Modeling and Observer-Based Vibration Control of a Flexible Spacecraft With External Disturbances. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 8648-8658	8.9	90
193	Boundary control of flexible aircraft wings for vibration suppression. *International Journal of Control*, **2019**, 92, 2499-2508	1.5	3
192	Two-Layer Distributed Formation-Containment Control of Multiple Euler-Lagrange Systems by Output Feedback. *IEEE Transactions on Cybernetics*, **2019**, 49, 675-687	10.2	61
191	Neural Network Control of a Two-Link Flexible Robotic Manipulator Using Assumed Mode Method. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 755-765	11.9	92

190	. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 790-797	4.8	115
189	Barrier Lyapunov Function Based Learning Control of Hypersonic Flight Vehicle With AOA Constraint and Actuator Faults. *IEEE Transactions on Cybernetics*, **2019**, 49, 1047-1057	10.2	105
188	Fuzzy Tracking Control for a Class of Uncertain MIMO Nonlinear Systems With State Constraints. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 543-554	7.3	39
187	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 1027-1038	7.3	23
186	Adaptive Parameter Estimation and Control Design for Robot Manipulators With Finite-Time Convergence. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 8112-8123	8.9	215
185	Fuzzy Neural Network Control of a Flexible Robotic Manipulator Using Assumed Mode Method. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 5214-5227	10.3	56
184	Adaptive Neural Network Control for Robotic Manipulators With Unknown Deadzone. *IEEE Transactions on Cybernetics*, **2018**, 48, 2670-2682	10.2	49
183	Development of a fast transmission method for 3D point cloud. *Multimedia Tools and Applications*, **2018**, 77, 25369-25387	2.5	10
182	Boundary Control for Flexible Manipulator with Exponential Convergence **2018**, 45-63		
181	Boundary Control for Flexible Manipulator with LaSalle Analysis **2018**, 65-77		
180	Boundary vibration control for a flexible Timoshenko robotic manipulator. *IET Control Theory and Applications*, **2018**, 12, 875-882	2.5	23
179	Boundary control for a vibrating string with asymmetrically constrained outputs. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 798-807	3.6	1
178	Distributed Parameter Modeling and Boundary Control of Flexible Manipulators **2018**,		8
177	A DMPs-Based Framework for Robot Learning and Generalization of Humanlike Variable Impedance Skills. *IEEE/ASME Transactions on Mechatronics*, **2018**, 23, 1193-1203	5.5	83
176	Adaptive Boundary Control for a Flexible Manipulator With State Constraints Using a Barrier Lyapunov Function. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME* , **2018**, 140,	1.6	13
175	Neural-Learning-Based Control for a Constrained Robotic Manipulator With Flexible Joints. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 5993-6003	10.3	81
174	Trajectory Tracking Control for the Flexible Wings of a Micro Aerial Vehicle. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 2431-2441	7.3	14
173	Vibration control for a nonlinear three-dimensional EulerBernoulli beam under input magnitude and rate constraints. *Nonlinear Dynamics*, **2018**, 91, 2551-2570	5	15

172	Mind Control of a Robotic Arm With Visual Fusion Technology. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 3822-3830	11.9	75
171	Boundary control of an EulerBernoulli beam with input and output restrictions. *Nonlinear Dynamics*, **2018**, 92, 531-541	5	18
170	Dynamic modeling and vibration control for a nonlinear 3-dimensional flexible manipulator. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 3927-3945	3.6	46
169	. *IEEE Transactions on Aerospace and Electronic Systems*, **2018**, 54, 2233-2245	3.7	42
168	Modeling and vibration control of the flapping-wing robotic aircraft with output constraint. *Journal of Sound and Vibration*, **2018**, 423, 472-483	3.9	16
167	Boundary control for a flexible manipulator with a robust state observer. *JVC/Journal of Vibration and Control*, **2018**, 24, 260-271	2	12
166	Boundary Control for A Flexible Inverted Pendulum System Based on A Pde Model. *Asian Journal of Control*, **2018**, 20, 12-21	1.7	13
165	Dynamic modelling and adaptive robust tracking control of a space robot with two-link flexible manipulators under unknown disturbances. *International Journal of Control*, **2018**, 91, 969-988	1.5	23
164	Adaptive Fuzzy Neural Network Control for a Constrained Robot Using Impedance Learning. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 1174-1186	10.3	382
163	Adaptive control of a quadrotor aerial vehicle with input constraints and uncertain parameters. *International Journal of Control*, **2018**, 91, 1140-1160	1.5	38
162	Adaptive Boundary Iterative Learning Control for an Euler-Bernoulli Beam System With Input Constraint. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 1539-1549	10.3	140
161	Iterative Learning Control of a Robotic Arm Experiment Platform with Input Constraint. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 664-672	8.9	63
160	Adaptive Control of a Flexible String System With Input Hysteresis. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 693-700	4.8	48
159	Disturbance observer design and vibration control for a flexible aircraft wing. *Transactions of the Institute of Measurement and Control*, **2018**, 40, 3760-3773	1.8	8
158	Parallel Control of Distributed Parameter Systems. *IEEE Transactions on Cybernetics*, **2018**, 48, 3291-3301	10.2	8
157	Vibration control of flexible string systems with nonlinear input **2018**,		1
156	Unified iterative learning control for flexible structures with input constraints. *Automatica*, **2018**, 96, 326-336	5.7	210
155	Adaptive fuzzy control for a marine vessel with time-varying constraints. *IET Control Theory and Applications*, **2018**, 12, 1448-1455	2.5	21

154	Celestial navigation in deep space exploration using spherical simplex unscented particle filter. *IET Signal Processing*, **2018**, 12, 463-470	1.7	6
153	Infinite Dimensional Disturbance Observer for Flexible Manipulator **2018**, 125-134		
152	Trajectory Tracking Control of a Quadrotor Aerial Vehicle in the Presence of Input Constraints. *International Journal of Control, Automation and Systems*, **2018**, 16, 2966-2976	2.9	4
151	Disturbance Observer-based Control of a Flexible Robot Arm **2018**,		2
150	Robust adaptive fault tolerant control for a linear cascaded ODE-beam system. *Automatica*, **2018**, 98, 42-50	5.7	74
149	Iterative learning control for boundary tracking of uncertain nonlinear wave equations. *Journal of the Franklin Institute*, **2018**, 355, 8441-8461	4	18
148	Robust adaptive vibration control for a string with time-varying output constraint. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 5213-5231	3.6	7
147	Adaptive Control of a Marine Vessel Based on Reinforcement Learning **2018**,		2
146	Distributed disturbance-observer-based vibration control for a flexible-link manipulator with output constraints. *Science China Technological Sciences*, **2018**, 61, 1528-1536	3.5	12
145	Adaptive Fuzzy Relative Pose Control of Spacecraft During Rendezvous and Proximity Maneuvers. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3440-3451	8.3	18
144	Adaptive dynamic surface neural network control for nonstrict-feedback uncertain nonlinear systems with constraints. *Nonlinear Dynamics*, **2018**, 94, 165-184	5	15
143	Modeling and neural network control of a flexible beam with unknown spatiotemporally varying disturbance using assumed mode method. *Neurocomputing*, **2018**, 314, 458-467	5.4	8
142	Control Design of a Marine Vessel System Using Reinforcement Learning. *Neurocomputing*, **2018**, 311, 353-362	5.4	19
141	A robust observer design for a flexible manipulator based on a PDE model. *JVC/Journal of Vibration and Control*, **2017**, 23, 871-882	2	17
140	Active vibration control of a nonlinear three-dimensional EulerBernoulli beam. *JVC/Journal of Vibration and Control*, **2017**, 23, 3196-3215	2	17
139	Adaptive Impedance Control for an Upper Limb Robotic Exoskeleton Using Biological Signals. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 1664-1674	8.9	165
138	Partial differential equation boundary control of a flexible manipulator with input saturation. *International Journal of Systems Science*, **2017**, 48, 53-62	2.3	40
137	Tracking control of a marine surface vessel with full-state constraints. *International Journal of Systems Science*, **2017**, 48, 535-546	2.3	52

136	Brain–Machine Interface and Visual Compressive Sensing-Based Teleoperation Control of an Exoskeleton Robot. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 58-69	8.3	57
135	Model Identification and Control Design for a Humanoid Robot. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 45-57	7.3	98
134	Adaptive Neural Network Control of a Marine Vessel With Constraints Using the Asymmetric Barrier Lyapunov Function. *IEEE Transactions on Cybernetics*, **2017**, 47, 1641-1651	10.2	239
133	Spatial Trajectory Tracking Control of a Fully Actuated Helicopter in Known Static Environment. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2017**, 85, 127-144	2.9	2
132	Control Design for Nonlinear Flexible Wings of a Robotic Aircraft. *IEEE Transactions on Control Systems Technology*, **2017**, 25, 351-357	4.8	225
131	Neural Network Control of a Flexible Robotic Manipulator Using the Lumped Spring-Mass Model. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 1863-1874	7.3	180
130	Modeling and vibration control of a flexible aerial refueling hose with variable lengths and input constraint. *Automatica*, **2017**, 77, 302-310	5.7	171
129	Vibration Control of an Industrial Moving Strip in the Presence of Input Deadzone. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 4680-4689	8.9	58
128	Adaptive neural network control of a robotic manipulator with unknown backlash-like hysteresis. *IET Control Theory and Applications*, **2017**, 11, 567-575	2.5	43
127	Development of an autonomous flapping-wing aerial vehicle. *Science China Information Sciences*, **2017**, 60, 1	3.4	24
126	Reinforcement learning control of a single-link flexible robotic manipulator. *IET Control Theory and Applications*, **2017**, 11, 1426-1433	2.5	27
125	Boundary control of an axially moving system with high acceleration/deceleration and disturbance observer. *Journal of the Franklin Institute*, **2017**, 354, 2905-2923	4	21
124	Boundary Control Design for a Flexible Manipulator with Input Backlash. *IFAC-PapersOnLine*, **2017**, 50, 6049-6053	0.7	0
123	Vibration Control Based on Reinforcement Learning for a Single-link Flexible Robotic Manipulator. *IFAC-PapersOnLine*, **2017**, 50, 3476-3481	0.7	1
122	Adaptive neural dynamic surface control of output constrained non-linear systems with unknown control direction. *IET Control Theory and Applications*, **2017**, 11, 2994-3003	2.5	17
121	Distributed coordinated tracking control of multiple Euler–Lagrange systems by state and output feedback. *IET Control Theory and Applications*, **2017**, 11, 2213-2221	2.5	21
120	A Boundary Control Method for Suppressing Flexible Wings Vibration of the FMAV. *Lecture Notes in Computer Science*, **2017**, 869-878	0.9	
119	Adaptive Neural Network Control of a Robotic Manipulator With Time-Varying Output Constraints. *IEEE Transactions on Cybernetics*, **2017**, 47, 3136-3147	10.2	159

118	Robust adaptive vibration control for an uncertain flexible Timoshenko robotic manipulator with input and output constraints. *International Journal of Systems Science*, **2017**, 48, 2860-2870	2.3	43
117	A PD Controller of Flexible Joint Manipulator Based on Neuro-Adaptive Observer. *Lecture Notes in Computer Science*, **2017**, 355-364	0.9	
116	A survey of human-centered intelligent robots: issues and challenges. *IEEE/CAA Journal of Automatica Sinica*, **2017**, 4, 602-609	7	139
115	Iterative spherical simplex unscented particle filter for CNS/Redshift integrated navigation system. *Science China Information Sciences*, **2017**, 60, 1	3.4	7
114	Boundary Vibration Control of Variable Length Crane Systems in Two-Dimensional Space With Output Constraints. *IEEE/ASME Transactions on Mechatronics*, **2017**, 22, 1952-1962	5.5	132
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112	Neural Control of Bimanual Robots With Guaranteed Global Stability and Motion Precision. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 1162-1171	11.9	264
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