

Zhijun Li

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.

215
papers

7,895
citations

52
h-index

82
g-index

246
ext. papers

10,109
ext. citations

5.7
avg, IF

6.94
L-index

#	Paper	IF	Citations
215	Sensing and Navigation of Wearable Assistance Cognitive Systems for the Visually Impaired. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2022 , 1-1	3	1
214	Optimal Probabilistic Motion Planning with Potential Infeasible LTL Constraints. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	0
213	Assimilation Control of a Robotic Exoskeleton for Physical Human-Robot Interaction. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 2977-2984	4.2	0
212	Dual-Loop Dynamic Control of Cable-Driven Parallel Robots Without Online Tension Distribution. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-14	7.3	1
211	Integrated Task Sensing and Whole Body Control for Mobile Manipulation With Series Elastic Actuators. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022 , 1-12	4.9	0
210	Fuzzy Enhanced Adaptive Admittance Control of a Wearable Walking Exoskeleton with Step Trajectory Shaping. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	1
209	Whole-Body Fuzzy Based Impedance Control of a Humanoid Wheeled Robot. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 4909-4916	4.2	0
208	Human-in-the-Loop Control of Soft Exosuits Using Impedance Learning on Different Terrains. <i>IEEE Transactions on Robotics</i> , 2022 , 1-10	6.5	8
207	Neuromorphic Vision-Based Fall Localization in Event Streams With Temporal-Spatial Attention Weighted Network.. <i>IEEE Transactions on Cybernetics</i> , 2022 , PP,	10.2	2
206	NeuroGrasp: Multi-modal Neural Network with Euler Region Regression for Neuromorphic Vision-based Grasp Pose Estimation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	2
205	Wearable Robots for Human Underwater Movement Ability Enhancement: A Survey. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 967-977	7	5
204	MoNet: Motion-Based Point Cloud Prediction Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-11	6.1	0
203	Stackelberg Game-oriented Optimal Control for Bounded Constrained Mechanical Systems: A Fuzzy Evidence Theoretic Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1
202	Asymmetric Cooperation Control of Dual-Arm Exoskeletons Using Human Collaborative Manipulation Models. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	2
201	Spatiotemporal Graph Convolution Multifusion Network for Urban Vehicle Emission Prediction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3342-3354	10.3	8
200	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
199	A Novel Illumination-Robust Hand Gesture Recognition System With Event-Based Neuromorphic Vision Sensor. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 508-520	4.9	6

198	Guest Editorial Focused Section on Mechatronics in Unmanned Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 26, 595-599	5.5	
197	Trajectory prediction of cyclist based on dynamic Bayesian network and long short-term memory model at unsignalized intersections. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	16
196	Robust Vehicle Detection in High-Resolution Aerial Images With Imbalanced Data. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 2, 238-250	4.7	1
195	Multi-Sensor Guided Hand Gesture Recognition for a Teleoperated Robot Using a Recurrent Neural Network. <i>IEEE Robotics and Automation Letters</i> , 2021 , 6, 6039-6045	4.2	35
194	Learning-Based Probabilistic LTL Motion Planning With Environment and Motion Uncertainties. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2386-2392	5.9	8
193	High-Precision Trajectory Tracking Control of Cable-Driven Parallel Robots Using Robust Synchronization. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 2488-2499	11.9	5
192	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2624-2634	7.3	16
191	Skill Learning Strategy Based on Dynamic Motion Primitives for HumanRobot Cooperative Manipulation. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 13, 105-117	3	9
190	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 564-573	4.9	13
189	2021 , 5, 1279-1284		6
188	Multiobjective Scheduling Strategy With Genetic Algorithm and Time-Enhanced A* Planning for Autonomous Parking Robotics in High-Density Unmanned Parking Lots. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 26, 1547-1557	5.5	4
187	Force Sensorless Admittance Control for Teleoperation of Uncertain Robot Manipulator Using Neural Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3282-3292	7.3	59
186	EEG-Based Volitional Control of Prosthetic Legs for Walking in Different Terrains. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 530-540	4.9	12
185	. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 13, 57-66	3	5
184	Human-Robot Cooperation Control Based on Trajectory Deformation Algorithm for a Lower Limb Rehabilitation Robot. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	5
183	Muscle Synergy-based Planning and Neural-adaptive Control for a Prosthetic Arm. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 1-1	4.7	1
182	Performance-based iterative learning control for task-oriented rehabilitation: a pilot study in robot-assisted bilateral training. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 1-1	3	3
181	HSTA: A Hierarchical Spatio-Temporal Attention Model for Trajectory Prediction. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	5

180	Neural-Dynamics Optimization and Repetitive Learning Control for Robotic Leg Prostheses. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	0
179	KAM-Net: Keypoint-Aware and Keypoint-Matching Network for Vehicle Detection from 2D Point Cloud. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 1-1	4.7	4
178	. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 1-1	4.7	7
177	Development and Continuous Control of an Intelligent Upper-Limb Neuroprosthesis for Reach and Grasp Motions Using Biological Signals. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-11	7.3	1
176	Pole-Curb Fusion based Robust and Efficient Autonomous Vehicle Localization System with Branch-and-Bound Global Optimization and Local Grid Map Method. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	4
175	Lifting Triplet Energy and Bipolar Characteristics by Limiting the Rotation of the Peripheral Groups in Host Materials to Achieve High-Efficiency Blue OLED.. <i>Chemistry - an Asian Journal</i> , 2021 , e202101298 ^{4,5}		
174	Deep Learning Method for Grasping Novel Objects Using Dexterous Hands. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	2
173	Biologically Inspired Deadbeat Control of Robotic Leg Prostheses. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 2733-2742	5.5	7
172	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
171	Adaptive Proxy-Based Robust Control Integrated With Nonlinear Disturbance Observer for Pneumatic Muscle Actuators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 1756-1764	5.5	12
170	Adaptive Fuzzy-Region-Based Control of Euler-Lagrange Systems With Kinematically Singular Configurations. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	5
169	Reinforcement Learning Control of a Flexible Two-Link Manipulator: An Experimental Investigation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-11	7.3	66
168	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
167	Bioinspired Embodiment for Intelligent Sensing and Dexterity in Fine Manipulation: A Survey. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 4308-4321	11.9	5
166	Skill transfer learning for autonomous robots and human-robot cooperation: A survey. <i>Robotics and Autonomous Systems</i> , 2020 , 128, 103515	3.5	26
165	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 1937-1949	4.9	87
164	Human-In-the-Loop Control of a Wearable Lower Limb Exoskeleton for Stable Dynamic Walking. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 1-1	5.5	14
163	Cooperative Manipulation of Wearable Dual-Arm Exoskeletons Using Force Communication Between Partners. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6629-6638	8.9	15

162	Cone-beam breast CT features associated with HER2/neu overexpression in patients with primary breast cancer. <i>European Radiology</i> , 2020 , 30, 2731-2739	8	4
161	An Improved ACO Algorithm Optimized Fuzzy PID Controller for Load Frequency Control in Multi Area Interconnected Power Systems. <i>IEEE Access</i> , 2020 , 8, 6429-6447	3.5	37
160	A Survey of the Four Pillars for Small Object Detection: Multiscale Representation, Contextual Information, Super-Resolution, and Region Proposal. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-18	7.3	24
159	Robotic Grasping of Unknown Objects Using Novel Multilevel Convolutional Neural Networks: From Parallel Gripper to Dexterous Hand. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 1-12 ^{4.9}	4.9	5
158	Special Issue on Neuro-Robotics: From Brain Machine Interfaces to Rehabilitation Robotics. <i>Advanced Robotics</i> , 2020 , 34, 975-975	1.7	
157	Coordinated Dynamic Control in the Task Space for Redundantly Actuated Cable-Driven Parallel Robots. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 1-1	5.5	7
156	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
155	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
154	Cooperative Manipulation for a Mobile Dual-Arm Robot Using Sequences of Dynamic Movement Primitives. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2020 , 12, 18-29	3	15
153	A Learning-Based Hierarchical Control Scheme for an Exoskeleton Robot in Human-Robot Cooperative Manipulation. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 112-125	10.2	32
152	Human-Cooperative Control Design of a Walking Exoskeleton for Body Weight Support. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2985-2996	11.9	14
151	Adaptive Time-Delay Balance Control of Biped Robots. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2936-2944	8.9	9
150	High-Order Disturbance-Observer-Based Sliding Mode Control for Mobile Wheeled Inverted Pendulum Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2030-2041	8.9	82
149	BrainRobot Interface-Based Navigation Control of a Mobile Robot in Corridor Environments. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3047-3058	7.3	15
148	Disturbance Observer-Based Neural Network Control of Cooperative Multiple Manipulators With Input Saturation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1735-1746	10.3	53
147	DMP-Based Motion Generation for a Walking Exoskeleton Robot Using Reinforcement Learning. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3830-3839	8.9	14
146	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
145	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

144	Reference Trajectory Reshaping Optimization and Control of Robotic Exoskeletons for Human-Robot Co-Manipulation. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3740-3751	10.2	28
143	Human-Cooperative Control of a Wearable Walking Exoskeleton for Enhancing Climbing Stair Activities. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3086-3095	8.9	23
142	Mechanisms and Design of a Humanoid Robot for Two-handed Manipulation 2019 ,		1
141	Guest Editorial Special Issue on Bioinspired Embodiment for Intelligent Sensing and Dexterity in Fine Manipulation. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1141-1143	11.9	2
140	Development of a Human-Robot Hybrid Intelligent System Based on Brain Teleoperation and Deep Learning SLAM. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 1664-1674	4.9	15
139	Adaptive Fuzzy Control for Coordinated Multiple Robots With Constraint Using Impedance Learning. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3052-3063	10.2	128
138	Asymmetric Bounded Neural Control for an Uncertain Robot by State Feedback and Output Feedback. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 1-12	7.3	47
137	Combined Sensing, Cognition, Learning, and Control for Developing Future Neuro-Robotics Systems: A Survey. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2019 , 11, 148-161	3	7
136	Design and Adaptive Control for an Upper Limb Robotic Exoskeleton in Presence of Input Saturation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 97-108	10.3	68
135	Robot Learning System Based on Adaptive Neural Control and Dynamic Movement Primitives. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 777-787	10.3	140
134	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
133	Neural Networks Enhanced Adaptive Admittance Control of Optimized Robot-Environment Interaction. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2568-2579	10.2	93
132	Guest Editorial Neuro-Robotics Systems: Sensing, Cognition, Learning, and Control. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2019 , 11, 145-147	3	3
131	Hybrid Brain/Muscle Signals Powered Wearable Walking Exoskeleton Enhancing Motor Ability in Climbing Stairs Activity. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2019 , 1, 218-227	3.1	57
130	Brain Teleoperation Control of a Nonholonomic Mobile Robot Using Quadrupole Potential Function. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2019 , 11, 527-538	3	3
129	Brain-Computer Interface-Based Stochastic Navigation and Control of a Semiautonomous Mobile Robot in Indoor Environments. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2019 , 11, 129-141	3.1	11
128	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
127	Evolution Strategies Learning With Variable Impedance Control for Grasping Under Uncertainty. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7788-7799	8.9	22

126	Model Predictive Tracking Control of Nonholonomic Mobile Robots With Coupled Input Constraints and Unknown Dynamics. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 3196-3205	11.9	39
125	Motor-Imagery-Based Teleoperation of a Dual-Arm Robot Performing Manipulation Tasks. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2019 , 11, 414-424	3	26
124	Adaptive Neural Control of a Kinematically Redundant Exoskeleton Robot Using Brain-Machine Interfaces. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 3558-3571	10.3	75
123	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
122	Brain-Actuated Control of Dual-Arm Robot Manipulation With Relative Motion. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2019 , 11, 51-62	3	13
121	Coordination Control of a Dual-Arm Exoskeleton Robot Using Human Impedance Transfer Skills. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 954-963	7.3	25
120	Adaptive Parameter Estimation and Control Design for Robot Manipulators With Finite-Time Convergence. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8112-8123	8.9	215
119	Adaptive Neural Network Control for Robotic Manipulators With Unknown Deadzone. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2670-2682	10.2	49
118	Development of a fast transmission method for 3D point cloud. <i>Multimedia Tools and Applications</i> , 2018 , 77, 25369-25387	2.5	10
117	A DMPS-Based Framework for Robot Learning and Generalization of Humanlike Variable Impedance Skills. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 1193-1203	5.5	83
116	Asymmetric Bimanual Control of Dual-Arm Exoskeletons for Human-Cooperative Manipulations. <i>IEEE Transactions on Robotics</i> , 2018 , 34, 264-271	6.5	116
115	Mind Control of a Robotic Arm With Visual Fusion Technology. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3822-3830	11.9	75
114	Introduction to the Special Issue on Human Cooperative Wearable Robotic Systems. <i>IEEE Robotics and Automation Letters</i> , 2018 , 3, 466-468	4.2	4
113	Neural-Dynamic Optimization-Based Model Predictive Control for Tracking and Formation of Nonholonomic Multirobot Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 6113-6122	10.3	46
112	Physical Human-Robot Interaction of a Robotic Exoskeleton By Admittance Control. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9614-9624	8.9	137
111	Neural Network Approximation Based Near-Optimal Motion Planning With Kinodynamic Constraints Using RRT. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8718-8729	8.9	57
110	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 733-742	7.3	32
109	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

108	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 121-131	5.5	90
107	Robust Tube-Based Predictive Control for Visual Servoing of Constrained Differential-Drive Mobile Robots. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 3437-3446	8.9	35
106	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 329-340	4.9	131
105	Adaptive Admittance Control for an Ankle Exoskeleton Using an EMG-Driven Musculoskeletal Model. <i>Frontiers in Neurobotics</i> , 2018 , 12, 16	3.4	40
104	A Teleoperated Shared Control Scheme for Mobile Robot Based sEMG 2018 ,		6
103	Brain Teleoperation of a Mobile Robot Using Deep Learning Technique 2018 ,		2
102	The development of a high-speed lower-limb robotic exoskeleton. <i>Science China Information Sciences</i> , 2018 , 62, 1	3.4	2
101	Teleoperation System for Omnidirectional Mobile Robot Based on Shared Control Scheme 2018 ,		1
100	A Novel Robot Teaching System Based on Mixed Reality 2018 ,		2
99	. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018 , 10, 1126-1132	3	6
98	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
97	Disturbance Observer-Based Fuzzy Control of Uncertain MIMO Mechanical Systems With Input Nonlinearities and its Application to Robotic Exoskeleton. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 984-994	10.2	54
96	Adaptive Neural Control of Uncertain MIMO Nonlinear Systems With State and Input Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1318-1330	10.3	114
95	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
94	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
93	A survey of human-centered intelligent robots: issues and challenges. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2017 , 4, 602-609	7	139
92	Adaptive Neural Network Based Variable Stiffness Control of Uncertain Robotic Systems Using Disturbance Observer. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 2236-2245	8.9	74
91	Visual Servoing of Constrained Mobile Robots Based on Model Predictive Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1428-1438	7.3	45

90	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
89	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
88	BrainMachine Interfacing-Based Teleoperation of Multiple Coordinated Mobile Robots. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5161-5170	8.9	21
87	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
86	Robust Stabilization of a Wheeled Mobile Robot Using Model Predictive Control Based on Neurodynamics Optimization. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 505-516	8.9	77
85	Development of a human-friendly robot for socially aware human-robot interaction 2017 ,		4
84	Admittance control of a robotic exoskeleton for physical human robot interaction 2017 ,		2
83	Visual servoing of constrained differential-drive mobile robots using robust tube-based predictive control 2017 ,		1
82	Navigation and collision avoidance for nonholonomic robots using quadrupole potential function 2017 ,		1
81	Guest editorial for special issue on human-centered intelligent robots: issues and challenges. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2017 , 4, 599-601	7	2
80	Vision-Based Human Tracking Control of a Wheeled Inverted Pendulum Robot. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 2423-2434	10.2	47
79	Constrained Multilegged Robot System Modeling and Fuzzy Control With Uncertain Kinematics and Dynamics Incorporating Foot Force Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1-15	7.3	108
78	Adaptive control with a fuzzy tuner for cable-based rehabilitation robot. <i>International Journal of Control, Automation and Systems</i> , 2016 , 14, 865-875	2.9	34
77	Trajectory tracking control method and experiment of AGV 2016 ,		4
76	Advanced landfill leachate treatment using iron-carbon microelectrolysis- Fenton process: Process optimization and column experiments. <i>Journal of Hazardous Materials</i> , 2016 , 318, 460-467	12.8	65
75	Transient tracking performance guaranteed global NN control of robot manipulator 2016 ,		1
74	Teleoperation control of an exoskeleton robot using brain machine interface and visual compressive sensing 2016 ,		3
73	Neural network based global adaptive dynamic surface tracking control for robot manipulators 2016 ,		2

72	Development of a TouchX based teleoperation approach using wave variable technique 2016 ,		3
71	Adaptive impedance control of robotic exoskeletons using reinforcement learning 2016 ,		5
70	Development of a exoskeleton robot for lower limb rehabilitation 2016 ,		2
69	RGB-D sensor-based visual SLAM for localization and navigation of indoor mobile robot 2016 ,		15
68	Nonholonomic navigation and control of a wheeled chair 2016 ,		1
67	Dynamic Balance Optimization and Control of Quadruped Robot Systems With Flexible Joints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1338-1351	7-3	30
66	Direct adaptive controller for uncertain MIMO dynamic systems with time-varying delay and dead-zone inputs. <i>Automatica</i> , 2016 , 63, 287-291	5-7	77
65	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
64	Guest Editorial An Overview of Biomedical Robotics and Bio-Mechatronics Systems and Applications. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 869-874	7-3	18
63	Development of a robotic teaching interface for human to human skill transfer 2016 ,		15
62	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 1-12	7-3	32
61	Optimal balancing control of bipedal robots using reinforcement learning 2016 ,		2
60	Development of a hybrid motion capture method using MYO armband with application to teleoperation 2016 ,		21
59	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5763-5775	8-9	142
58	RGB-D sensor-based visual target detection and tracking for an intelligent wheelchair robot in indoors environments. <i>International Journal of Control, Automation and Systems</i> , 2015 , 13, 521-529	2-9	19
57	Neural-Dynamic-Method-Based Dual-Arm CMG Scheme With Time-Varying Constraints Applied to Humanoid Robots. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 3251-62	10-3	96
56	Modification Strategies with Inorganic Acids for Efficient Photocatalysts by Promoting the Adsorption of O ₂ . <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22727-40	9-5	56
55	Mind guided motion control of robot manipulator using EEG signals 2015 ,		5

54	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
53	Quantized feedback stabilization of discrete-time linear system with Markovian jump packet losses. <i>Neurocomputing</i> , 2015 , 158, 307-314	5.4	6
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