

Jie Zhao

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.

158
papers

1,061
citations

14
h-index

25
g-index

216
ext. papers

1,462
ext. citations

3.1
avg, IF

4.8
L-index

#	Paper	IF	Citations
158	A Rhythmic Motion Control Method Inspired by Board Shoe Racing for a Weight-Bearing Exoskeleton. <i>Journal of Bionic Engineering</i> , 2022 , 19, 403	2.7	0
157	A Rapid Water Sliding Robot Optimized by Bionic Motion Trajectory. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 2463-2470	4.2	0
156	An Enveloping Soft Gripper With High-Load Carrying Capacity: Design, Characterization and Application. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 373-380	4.2	1
155	Task-oriented Hierarchical Control of Modular Soft Robots with External Vision Guidance. <i>Journal of Bionic Engineering</i> , 2022 , 19, 657	2.7	0
154	A Capacitive and Piezoresistive Hybrid Sensor for Long-Distance Proximity and Wide-Range Force Detection in HumanRobot Collaboration. <i>Advanced Intelligent Systems</i> , 2022 , 4, 2270011	6	0
153	Medical Robotics: Opportunities in China. <i>Annual Review of Control, Robotics, and Autonomous Systems</i> , 2022 , 5, 361-383	11.8	1
152	An Online Stiffness Estimation Approach for Variable Stiffness Actuators Using Lever Mechanism. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 6709-6717	4.2	1
151	An Error Compensation Method for Surgical Robot Based on RCM Mechanism. <i>IEEE Access</i> , 2021 , 9, 140743-140758	4.5	1
150	A Variable Stiffness Actuator Based on Second-order Lever Mechanism and Its Manipulator Integration 2021 ,		2
149	A Gas-Ribbon-Hybrid Actuated Soft Finger with Active Variable Stiffness. <i>Soft Robotics</i> , 2021 ,	9.2	3
148	Maxwell-Model-Based Compliance Control for HumanRobot Friendly Interaction. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 13, 118-131	3	2
147	ONLINE ACTIVE ENSEMBLE LEARNING FOR ROBOT COLLISION DETECTION IN DYNAMIC ENVIRONMENTS. <i>Journal of Mechanics in Medicine and Biology</i> , 2021 , 21, 2150035	0.7	
146	Arthropod-Metamerism-Inspired Resonant Piezoelectric Millirobot. <i>Advanced Intelligent Systems</i> , 2021 , 3, 2100015	6	22
145	Integrated Locomotion and Deformation of a Magnetic Soft Robot: Modeling, Control, and Experiments. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 5078-5087	8.9	7
144	Improved dynamic parameter identification method relying on proprioception for manipulators. <i>Nonlinear Dynamics</i> , 2021 , 105, 1373-1388	5	1
143	Parameter estimation and object gripping based on fingertip force/torque sensors. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 179, 109479	4.6	3
142	Multiphase Trajectory Generation for Planar Biped Robot Using Direct Collocation Method. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-14	1.1	2

141	Physician-Friendly Tool Center Point Calibration Method for Robot-Assisted Puncture Surgery. <i>Sensors</i> , 2021 , 21,	3.8	6
140	Structural parameter study of dual transducers-type ultrasonic levitation-based transportation system. <i>Smart Materials and Structures</i> , 2021 , 30, 045009	3.4	3
139	Modular Robotic Limbs for Astronaut Activities Assistance. <i>Sensors</i> , 2021 , 21,	3.8	2
138	Status Identification and Object In-Hand Reorientation Using Force/Torque Sensors. <i>IEEE Sensors Journal</i> , 2021 , 21, 20694-20703	4	2
137	Assistance Control of Human-Exoskeleton Integrated System for Balance Recovery Augmentation in Sagittal Plane. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1
136	Calibration Method Based on Models and Least-Squares Support Vector Regression Enhancing Robot Position Accuracy. <i>IEEE Access</i> , 2021 , 1-1	3.5	0
135	Movement generalization of variable initial task state based on Euclidean transformation dynamical movement primitives. <i>International Journal of Advanced Robotic Systems</i> , 2021 , 18, 172988142110655	1.4	1
134	A Bioinspired Soft Swallowing Gripper for Universal Adaptable Grasping. <i>Soft Robotics</i> , 2020 ,	9.2	8
133	Research on the Posture Control Method of Hexapod Robot for Rugged Terrain. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6725	2.6	2
132	Disturbance Elimination for the Modular Joint Torque Sensor of a Collaborative Robot. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-14	1.1	1
131	Flexible Driving Mechanism Inspired Water Strider Robot Walking on Water Surface. <i>IEEE Access</i> , 2020 , 8, 89643-89654	3.5	4
130	. <i>IEEE Access</i> , 2020 , 8, 108018-108031	3.5	9
129	Maxwell Model-Based Null Space Compliance Control in the Task-Priority Framework for Redundant Manipulators. <i>IEEE Access</i> , 2020 , 8, 35892-35904	3.5	2
128	PALExo: A Parallel Actuated Lower Limb Exoskeleton for High-Load Carrying. <i>IEEE Access</i> , 2020 , 8, 67250-67262	3.5	2
127	A new robot collision detection method: A modified nonlinear disturbance observer based-on neural networks. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 175-186	1.6	3
126	A DESIGNATION OF MODULAR MOBILE RECONFIGURABLE PLATFORM SYSTEM. <i>Journal of Mechanics in Medicine and Biology</i> , 2020 , 20, 2040006	0.7	1
125	Learning to Identify Footholds from Geometric Characteristics for a Six-legged Robot over Rugged Terrain. <i>Journal of Bionic Engineering</i> , 2020 , 17, 512-522	2.7	1
124	Automatic Generation of Locomotion Patterns for Soft Modular Reconfigurable Robots. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 294	2.6	10

123	A Task-Learning Strategy for Robotic Assembly Tasks from Human Demonstrations. <i>Sensors</i> , 2020 , 20,	3.8	4
122	A Framework for Human-Robot-Human Physical Interaction Based on N-Player Game Theory. <i>Sensors</i> , 2020 , 20,	3.8	2
121	Feature Sensing and Robotic Grasping of Objects with Uncertain Information: A Review. <i>Sensors</i> , 2020 , 20,	3.8	17
120	Tripping Avoidance Lower Extremity Exoskeleton Based on Virtual Potential Field for Elderly People. <i>Sensors</i> , 2020 , 20,	3.8	1
119	Robot Variable Impedance Skill Transfer and Learning Framework Based on a Simplified Human Arm Impedance Model. <i>IEEE Access</i> , 2020 , 8, 225627-225638	3.5	2
118	Development of a parallel-structured upper limb exoskeleton for lifting assistance* 2019 ,		1
117	Dynamic Parameter Identification for a Manipulator with Joint Torque Sensors Based on an Improved Experimental Design. <i>Sensors</i> , 2019 , 19,	3.8	19
116	Inverse kinematic analysis and trajectory planning of a modular upper limb rehabilitation exoskeleton. <i>Technology and Health Care</i> , 2019 , 27, 123-132	1.1	9
115	Human Intention Understanding From Multiple Demonstrations and Behavior Generalization in Dynamic Movement Primitives Framework. <i>IEEE Access</i> , 2019 , 7, 36186-36194	3.5	7
114	Natural Growth-Inspired Distributed Self-Reconfiguration of UBot Robots. <i>Complexity</i> , 2019 , 2019, 1-12	1.6	1
113	A Novel Weight-Bearing Lower Limb Exoskeleton Based on Motion Intention Prediction and Locomotion State Identification. <i>IEEE Access</i> , 2019 , 7, 37620-37638	3.5	7
112	A membrane computing framework for self-reconfigurable robots. <i>Natural Computing</i> , 2019 , 18, 635-646.	3	2
111	Improving Kinematic Flexibility and Walking Performance of a Six-legged Robot by Rationally Designing Leg Morphology. <i>Journal of Bionic Engineering</i> , 2019 , 16, 608-620	2.7	10
110	A new robot skating on water surface intimating water striders based on flexible driving mechanism* 2019 ,		3
109	A Mechatronics-Embedded Pneumatic Soft Modular Robot Powered via Single Air Tube. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2260	2.6	7
108	Ultrafast Growth of Uniform Multi-Layer Graphene Films Directly on Silicon Dioxide Substrates. <i>Nanomaterials</i> , 2019 , 9,	5.4	5
107	DEVELOPMENT OF A COMPACT LOWER-LIMB EXOSKELETON FOR WALKING ASSISTANCE: A CASE STUDY. <i>Journal of Mechanics in Medicine and Biology</i> , 2019 , 19, 1940039	0.7	0
106	A Novel Virtual Sensor for Estimating Robot Joint Total Friction Based on Total Momentum. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3344	2.6	4

105	Nonlinear Modeling and Docking Tests of a Soft Modular Robot. <i>IEEE Access</i> , 2019 , 7, 11328-11337	3.5	5
104	Picking Towels in Point Clouds. <i>Sensors</i> , 2019 , 19,	3.8	1
103	Efficient Fully Convolution Neural Network for Generating Pixel Wise Robotic Grasps With High Resolution Images 2019 ,		11
102	Whole-Body Motion Planning for a Six-Legged Robot Walking on Rugged Terrain. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5284	2.6	5
101	Design and Kinematics of Cable-Driven Soft Module Coupled with Spring* 2019 ,		2
100	A Single Driven Bionic Water Strider Sliding Robot Mimicking the Spatial Elliptical Trajectory 2019 ,		2
99	On the Stability of Maxwell Model based Impedance Control and Cartesian Admittance Control Implementation 2019 ,		2
98	Towards the Exploitation of Physical Compliance in Segmented and Electrically Actuated Robotic Legs: A Review Focused on Elastic Mechanisms. <i>Sensors</i> , 2019 , 19,	3.8	5
97	A Simplified Inverse Dynamics Modelling Method for a Novel Rehabilitation Exoskeleton with Parallel Joints and Its Application to Trajectory Tracking. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-10	1.1	2
96	Design and evaluation of a 7-DOF cable-driven upper limb exoskeleton. <i>Journal of Mechanical Science and Technology</i> , 2018 , 32, 855-864	1.6	44
95	Frog-inspired jumping robot actuated by pneumatic muscle actuators. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401878230	1.2	5
94	Design and Implementation of Plastic Deformation Behavior by Cartesian Impedance Control Based on Maxwell Model. <i>Complexity</i> , 2018 , 2018, 1-9	1.6	4
93	A New Type Large-Scale Water-Jumping Robot Design and Simulation 2018 ,		2
92	A Synthetic Inverse Kinematic Algorithm for 7-DOF Redundant Manipulator 2018 ,		5
91	Design and Fabrication of a Variable Stiffness Soft Pneumatic Humanoid Finger Actuator 2018 ,		1
90	Parametric Gait Online Generation of a Lower-limb Exoskeleton for Individuals with Paraplegia. <i>Journal of Bionic Engineering</i> , 2018 , 15, 941-949	2.7	5
89	Trajectory Planning of an Intermittent Jumping Quadruped Robot with Variable Redundant and Underactuated Joints. <i>Complexity</i> , 2018 , 2018, 1-14	1.6	4
88	Continuous Joint Angle Estimation by Least Support Vector Machine from Time-Delayed sEMG Features 2018 ,		2

87	Flight Dynamics Modeling and Control of a Novel Catapult Launched Tandem-Wing Micro Aerial Vehicle With Variable Sweep. <i>IEEE Access</i> , 2018 , 6, 42294-42308	3.5	8
86	A New Spiral-Type Inflatable Pure Torsional Soft Actuator. <i>Soft Robotics</i> , 2018 , 5, 527-540	9.2	27
85	Aerodynamic characteristics of a novel catapult launched morphing tandem-wing unmanned aerial vehicle. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401769229	1.2	9
84	On the utility of leg distal compliance for buffering landing impact of legged robots. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401770005	1.2	1
83	Position control of a single pneumatic artificial muscle with hysteresis compensation based on modified Prandtl-Ishlinskii model. <i>Bio-Medical Materials and Engineering</i> , 2017 , 28, 131-140	1	9
82	A distributed and parallel control mechanism for self-reconfiguration of modular robots using L-systems and cellular automata. <i>Journal of Parallel and Distributed Computing</i> , 2017 , 102, 80-90	4.4	10
81	ADAPTIVE MOTION PLANNING FOR HITCR-II HEXAPOD ROBOT. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740040	0.7	2
80	A Force-Sensing System on Legs for Biomimetic Hexapod Robots Interacting with Unstructured Terrain. <i>Sensors</i> , 2017 , 17,	3.8	12
79	Modeling the fractal development of modular robots. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401769569	1.1	13
78	Design of a wearable cable-driven upper limb exoskeleton based on epicyclic gear trains structure. <i>Technology and Health Care</i> , 2017 , 25, 3-11	1.1	13
77	Probing the Morphology and Evolving Dynamics of 3D Printed Nanostructures Using High-Speed Atomic Force Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24456-24461	9.5	19
76	Design of a wearable upper-limb exoskeleton for activities assistance of daily living 2017 ,		2
75	Optimal design of a Stewart platform using the global transmission index under determinate constraint of workspace. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401772088	1.2	5
74	Concept and design of a lightweight biped robot for walking on rough terrain 2017 ,		1
73	Research on the cable-pulley underactuated lower limb exoskeleton 2017 ,		1
72	Experiments and simulations of the standing wave acoustic field produced by two transducers mounted in contraposition 2017 ,		2
71	Human-Like Walking with Heel Off and Toe Support for Biped Robot. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 499	2.6	5
70	Design and Experimental Development of a Pneumatic Stiffness Adjustable Foot System for Biped Robots Adaptable to Bumps on the Ground. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1005	2.6	2

69	Continuous Estimation of Elbow Joint Angle by Multiple Features of Surface Electromyographic Using Grey Features Weighted Support Vector Machine. <i>Journal of Medical Imaging and Health Informatics</i> , 2017 , 7, 574-583	1.2	9
68	Research of the low impact space docking mechanism based on impedance control strategy 2016 ,		2
67	Human-machine force interaction design and control for the HIT load-carrying exoskeleton. <i>Advances in Mechanical Engineering</i> , 2016 , 8, 168781401664506	1.2	16
66	AN ANGLE-EMG BIOMECHANICAL MODEL OF THE HUMAN ELBOW JOINT. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1650078	0.7	2
65	Two Time-Scale Tracking Control of Nonholonomic Wheeled Mobile Robots. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 2059-2069	4.8	99
64	Chaotic CPG based locomotion control for modular self-reconfigurable robot. <i>Journal of Bionic Engineering</i> , 2016 , 13, 30-38	2.7	10
63	Development of a lower limb rehabilitation exoskeleton based on real-time gait detection and gait tracking. <i>Advances in Mechanical Engineering</i> , 2016 , 8, 168781401562798	1.2	17
62	Serpentoid polygonal rolling for chain-type modular robots: A study of modeling, pattern switching and application. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016 , 39, 56-67	9.2	11
61	SWINGING LEG CONTROL OF A LOWER LIMB EXOSKELETON VIA A SHOE WITH IN-SOLE SENSING. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2016 , 40, 657-666	1.1	3
60	Estimation of pathological tremor from recorded signals based on adaptive sliding fast Fourier transform. <i>Advances in Mechanical Engineering</i> , 2016 , 8, 168781401665487	1.2	2
59	A continuous jumping robot on water mimicking water striders 2016 ,		4
58	Modeling of the supporting legs for a water-jumping robot mimicking water striders 2016 ,		2
57	A bio-inspired knee joint for biped robots 2016 ,		2
56	Position control of a bio-inspired semi-active joint with direct inverse hysteresis modeling and compensation. <i>Advances in Mechanical Engineering</i> , 2016 , 8, 168781401667722	1.2	5
55	Research of positioning method for automatic spraying on large ship block surfaces 2016 ,		2
54	A three-chambered soft actuator module with omnidirectional bending motion 2016 ,		10
53	Influence of the swing ankle angle on walking stability for a passive dynamic walking robot with flat feet. <i>Advances in Mechanical Engineering</i> , 2016 , 8, 168781401664201	1.2	1
52	Design of a high-bandwidth tripod scanner for high speed atomic force microscopy. <i>Scanning</i> , 2016 , 38, 889-900	1.6	18

51	A miniature surface tension-driven robot mimicking the water-surface locomotion of water strider 2015 ,		6
50	Application of cycle variable pitch propeller to morphing unmanned aerial vehicles 2015 ,		2
49	Kinematics and singularity analysis of a novel 7-DOF humanoid arm based on parallel manipulating spherical joints 2015 ,		1
48	Design of a prototype of an adaptive soft robot based on ferrofluid 2015 ,		5
47	Biomechanical modeling and load-carrying simulation of lower limb exoskeleton. <i>Bio-Medical Materials and Engineering</i> , 2015 , 26 Suppl 1, S729-38	1	12
46	Prediction of joint angle by combining multiple linear regression with autoregressive (AR) model and Kalman filter 2015 ,		1
45	System overview and walking dynamics of a passive dynamic walking robot with flat feet. <i>Advances in Mechanical Engineering</i> , 2015 , 7, 168781401562096	1.2	2
44	Design of a quasi-passive 3 DOFs ankle-foot wearable rehabilitation orthosis. <i>Bio-Medical Materials and Engineering</i> , 2015 , 26 Suppl 1, S647-54	1	10
43	Automatic Locomotion Generation for a UBot Modular Robot ¶Towards Both High-Speed and Multiple Patterns. <i>International Journal of Advanced Robotic Systems</i> , 2015 , 12, 32	1.4	8
42	Stereo Matching Algorithm Based on 2D Delaunay Triangulation. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-8	1.1	
41	Position Control of a Pneumatic Muscle Actuator Using RBF Neural Network Tuned PID Controller. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-16	1.1	7
40	Research on design and jumping performance of a new water-jumping robot imitating water striders 2015 ,		2
39	Improved Artificial Moment Method for Decentralized Local Path Planning of Multirobots. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 2383-2390	4.8	12
38	A Simplified Approach to Realize Cellular Automata for UBot Modular Self-Reconfigurable Robots. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2015 , 79, 37-54	2.9	14
37	Development of a Bionic Hexapod Robot for Walking on Unstructured Terrain. <i>Journal of Bionic Engineering</i> , 2014 , 11, 176-187	2.7	30
36	Biomimetic Design and Optimal Swing of a Hexapod Robot Leg. <i>Journal of Bionic Engineering</i> , 2014 , 11, 26-35	2.7	29
35	Design of a 6-DOF upper limb rehabilitation exoskeleton with parallel actuated joints. <i>Bio-Medical Materials and Engineering</i> , 2014 , 24, 2527-35	1	19
34	A Method for Mechanism Analysis of Frog Swimming Based on Motion Observation Experiments. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 403057	1.2	5

33	Static Modeling for Commercial Braided Pneumatic Muscle Actuators. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 425217	1.2	6
32	Analysis and Implementation of Multiple Bionic Motion Patterns for Caterpillar Robot Driven by Sinusoidal Oscillator. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 259463	1.2	3
31	One Nonlinear PID Control to Improve the Control Performance of a Manipulator Actuated by a Pneumatic Muscle Actuator. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 172782	1.2	9
30	SIFT algorithm-based 3D pose estimation of femur. <i>Bio-Medical Materials and Engineering</i> , 2014 , 24, 2847-55		3
29	Design and evaluation of a parallel-series elastic actuator for lower limb exoskeletons 2014 ,		13
28	On the design of lower extremity exoskeleton with single drive (LEESD) 2014 ,		2
27	Research on 3D reconstruction for robot based on SIFT feature 2014 ,		1
26	Study of bifurcation and chaos in DC-DC boost converter using discrete-time map 2014 ,		3
25	Vertical force acting on partly submerged spindly cylinders. <i>AIP Advances</i> , 2014 , 4, 047118	1.5	11
24	An elbow biomechanical model and its coefficients adjustment 2014 ,		1
23	Structural design and dynamic analysis of biologically inspired water-jumping robot 2014 ,		6
22	Biomimetic design and biomechanical simulation of a 15-DOF lower extremity exoskeleton 2013 ,		3
21	A dynamic simulation and virtual evolution platform for modular self-reconfigurable robots 2013 ,		1
20	Artificial moment method using attractive points for the local path planning of a single robot in complicated dynamic environments. <i>Robotica</i> , 2013 , 31, 1263-1274	2.1	3
19	Design and implementation of UBot: A modular Self-Reconfigurable Robot 2013 ,		4
18	A Decentralized Method Using Artificial Moments for Multi-Robot Path-Planning. <i>International Journal of Advanced Robotic Systems</i> , 2013 , 10, 24	1.4	2
17	Design of a coordinated control strategy for multi-mobile-manipulator cooperative teleoperation system 2012 ,		3
16	A PD control scheme for passive dynamic walking based on series elastic actuator 2012 ,		2

15	Design and implementation of a finger haptic device for large-scale force-tactile hybrid haptic rendering 2012 ,		1
14	Analysis of period doubling bifurcation and chaos mirror of biped passive dynamic robot gait. <i>Science Bulletin</i> , 2012 , 57, 1743-1750		5
13	A water walking robot inspired by water strider 2012 ,		6
12	Optical flow based plane detection for mobile robot navigation 2011 ,		1
11	Bioinspired aquatic microrobot capable of walking on water surface like a water strider. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2630-6	9.5	106
10	Dynamics and a convenient control design approach for a unicycle robot 2010 ,		4
9	Teleoperation System of Internet-Based Multi-Operator Multi-Mobile-Manipulator 2010 ,		3
8	Generation of closed-form inverse kinematics for reconfigurable robots. <i>Frontiers of Mechanical Engineering in China</i> , 2008 , 3, 91-96		7
7	A Diagonal Recurrent CMAC Model Reference Adaptive Control for Parallel Manipulators Trajectory Tracking 2006 ,		1
6	Discrete sliding mode control with fuzzy adaptive reaching law on 6-PRRS parallel robot 2006 ,		3
5	Cooperative Multi-Robot Map-building based on Genetic Algorithms 2006 ,		4
4	A substructure based motion planning method for a modular self-reconfigurable robot 2004 ,		2
3	A Capacitive and Piezoresistive Hybrid Sensor for Long-Distance Proximity and Wide-Range Force Detection in HumanRobot Collaboration. <i>Advanced Intelligent Systems</i> ,2100213	6	1
2	Bioinspired Multilegged Piezoelectric Robot: The Design Philosophy Aiming at High-Performance Micromanipulation. <i>Advanced Intelligent Systems</i> ,2100142	6	4
1	Research on frog-inspired swimming robot driven by pneumatic muscles. <i>Robotica</i> ,1-11		2.1