Yibin Li

List of Publications by Year in descending order

261 papers	2,558 citations	304368 22 h-index	301761 39 g-index
261 all docs	261 docs citations	261 times ranked	2310 citing authors

#	Article	IF	Citations
1	A Novel Orientation Determination Approach of Mobile Robot Using Inertial and Magnetic Sensors. IEEE Transactions on Industrial Electronics, 2023, 70, 4267-4277.	5.2	20
2	A Two-DOF Linear Ultrasonic Motor With High Thrust Force Density and High Power Density Utilizing Torsional/Centrosymmetric-Bending/ Symmetric-Bending Modes. IEEE Transactions on Industrial Electronics, 2022, 69, 8220-8230.	5.2	7
3	Spatiotemporal Multimodal Learning With 3D CNNs for Video Action Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1250-1261.	5.6	41
4	A Double-EKF Orientation Estimator Decoupling Magnetometer Effects on Pitch and Roll Angles. IEEE Transactions on Industrial Electronics, 2022, 69, 2055-2066.	5.2	11
5	Design and Control of a Novel Leg-Arm Multiplexing Mobile Operational Hexapod Robot. IEEE Robotics and Automation Letters, 2022, 7, 382-389.	3.3	14
6	A Decoupled Orientation Estimation Approach for Robust Roll and Pitch Measurements in Magnetically Disturbed Environment. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	6
7	H2GNN: Hierarchical-Hops Graph Neural Networks for Multi-Robot Exploration in Unknown Environments. IEEE Robotics and Automation Letters, 2022, 7, 3435-3442.	3.3	15
8	A survey of the development of quadruped robots: Joint configuration, dynamic locomotion control method and mobile manipulation approach. Biomimetic Intelligence and Robotics, 2022, 2, 100029.	1.1	19
9	Design and control method of a hydraulic power unit for a wheel-legged robot. Journal of Mechanical Science and Technology, 2022, 36, 2043-2052.	0.7	4
10	Design and experimental validation of a master manipulator with position and posture decoupling for laparoscopic surgical robot. International Journal of Medical Robotics and Computer Assisted Surgery, 2022, 18, e2398.	1.2	2
11	Tetracyanobutadienylâ€Based Nonlinear Optical Dendronized Hyperbranched Polymer Synthesized via [2+2]Â Cycloaddition Polymer Postfunctionalization. Macromolecular Rapid Communications, 2022, 43, e2200179.	2.0	9
12	Explicit-to-Implicit Robot Imitation Learning by Exploring Visual Content Change. IEEE/ASME Transactions on Mechatronics, 2022, 27, 4920-4931.	3.7	1
13	Modeling and Control of a Wheeled Biped Robot. Micromachines, 2022, 13, 747.	1.4	2
14	Optimal trajectory planning strategy for underactuated overhead crane with pendulum-sloshing dynamics and full-state constraints. Nonlinear Dynamics, 2022, 109, 815-835.	2.7	18
15	Bio-Inspired Rhythmic Locomotion for Quadruped Robots. IEEE Robotics and Automation Letters, 2022, 7, 6782-6789.	3.3	6
16	Autonomous live working robot navigation with realâ€time detection and motion planning system on distribution line. High Voltage, 2022, 7, 1204-1216.	2.7	29
17	Optimal Path and Timetable Planning Method for Multi-Robot Optimal Trajectory. IEEE Robotics and Automation Letters, 2022, 7, 8130-8137.	3.3	0
18	Fault estimation for discrete timeâ€variant systems subject to actuator and sensor saturations. International Journal of Robust and Nonlinear Control, 2021, 31, 988-1004.	2.1	6

#	ARTICLE	IF	CITATIONS
19	An Adaptive Zero-Velocity Interval Detector Using Instep-Mounted Inertial Measurement Unit. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	12
20	Merocyanine with Hole-Transporting Ability and Efficient Defect Passivation Effect for Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 869-876.	8.8	64
21	Development of a novel deployable arm for natural orifice transluminal endoscopic surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2232.	1.2	11
22	Design and motion planning of hydraulically driven leg for maximum height jumping. Mechatronics, 2021, 74, 102499.	2.0	4
23	Learning Multi-Object Dense Descriptor for Autonomous Goal-Conditioned Grasping. IEEE Robotics and Automation Letters, 2021, 6, 4109-4116.	3.3	8
24	Towards Multi-Modal Perception-Based Navigation: A Deep Reinforcement Learning Method. IEEE Robotics and Automation Letters, 2021, 6, 4986-4993.	3.3	17
25	A robot assembly framework with â€œperception-actionâ€•mapping cognitive learning. , 2021, , .		0
26	Stabilizing control for an offshore boom crane with unknown parameters. , 2021, , .		0
27	Design of a Novel Quadruped Robot Based on Tensegrity Structures. , 2021, , .		1
28	Emerging Chemistry in Enhancing the Chemical and Photochemical Stabilities of Fusedâ€Ring Electron Acceptors in Organic Solar Cells. Advanced Functional Materials, 2021, 31, 2106735.	7.8	36
29	Non-metal Piezoelectric Motor Utilizing Langevin-Type Alumina/PZT Transducer Working in Orthogonal Bending Modes. Lecture Notes in Computer Science, 2021, , 342-352.	1.0	0
30	Autonomous Multi-View Navigation via Deep Reinforcement Learning. , 2021, , .		4
31	Optimized Method for Planning and Controlling the Somersault Motion of Quadruped Robot. , 2021, , .		0
32	An Encoder-Free Joint Velocity Estimation Method for Serial Manipulators Using Inertial Sensors. , 2021, , .		0
33	Design of a Bio-inspired Quadruped Robot with Scalable Torso. , 2021, , .		0
34	An Efficient Gait-generating Method for Electrical Quadruped Robot Based on Humanoid Power Planning Approach. Journal of Bionic Engineering, 2021, 18, 1463-1474.	2.7	9
35	From Edge to Keypoint: An End-to-End Framework For Indoor Layout Estimation. IEEE Transactions on Multimedia, 2021, 23, 4483-4490.	5.2	4
36	Unfused Nonfullerene Acceptors Based on Simple Dipolar Merocyanines. Chemistry - A European Journal, 2021, 27, 18103-18108.	1.7	4

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37	A Hierarchical Framework for Quadruped Locomotion Based on Reinforcement Learning. , 2021, , .		9
38	Trotting and Pacing Locomotion of a Position-Controlled Quadruped Robot. , 2021, , .		1
39	Development of a Bio-inspired Soft Robotic Gripper based on Tensegrity Structures. , 2021, , .		5
40	PackerBot: Variable-Sized Product Packing with Heuristic Deep Reinforcement Learning. , 2021, , .		11
41	Modeling and analysis on low energy consumption foot trajectory for hydraulic actuated quadruped robot. International Journal of Advanced Robotic Systems, 2021, 18, 172988142110620.	1.3	1
42	Autonomous Legged Robot Navigation with Environment Awareness System in Complex Outdoor Environments. , 2021, , .		2
43	Whole-body Motion Planning and Control for Underactuated Wheeled-bipdal Robots. , 2021, , .		1
44	Vision-based Terrain Perception of Quadruped Robots in Complex Environments. , 2021, , .		1
45	Design of BRAVER - a bipedal robot actuated via proprioceptive electric motor. , 2021, , .		0
46	Highly Dynamic Bipedal Locomotion via an Improved Virtual Model Algorithm. , 2021, , .		1
47	A novel recommendation system via L0-regularized convex optimization. Neural Computing and Applications, 2020, 32, 1649-1663.	3.2	10
48	Visual Object Tracking via Guessing and Matching. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4182-4191.	5.6	11
49	Manipulation Skill Acquisition for Robotic Assembly Based on Multi-Modal Information Description. IEEE Access, 2020, 8, 6282-6294.	2.6	14
50	Analysis and Verification on Energy Consumption of the Quadruped Robot with Passive Compliant Hydraulic Servo Actuator. Applied Sciences (Switzerland), 2020, 10, 340.	1.3	11
51	ADRC-ESMPC active heave compensation control strategy for offshore cranes. Ships and Offshore Structures, 2020, 15, 1098-1106.	0.9	18
52	Convolutional Networks With Channel and STIPs Attention Model for Action Recognition in Videos. IEEE Transactions on Multimedia, 2020, 22, 2293-2306.	5.2	24
53	Human-like Walking of a Biped Robot Actuated by Pneumatic Artificial Muscles and Springs. , 2020, , .		2
54	Grasp for Stacking via Deep Reinforcement Learning. , 2020, , .		17

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55	A Novel Dynamic Locomotion Control Method for Quadruped Robots Running on Rough Terrains. IEEE Access, 2020, 8, 150435-150446.	2.6	5
56	A Dynamic Path Planning Method for Social Robots in the Home Environment. Electronics (Switzerland), 2020, 9, 1173.	1.8	15
57	Aerodynamic Analysis of a Flapping Wing Aircraft for Short Landing. Applied Sciences (Switzerland), 2020, 10, 3404.	1.3	0
58	Design and experiment of a bionic flapping wing mechanism with flapping–twist–swing motion based on a single rotation. AIP Advances, 2020, 10, .	0.6	7
59	A Motion Planning Approach for Nonprehensile Manipulation and Locomotion Tasks of a Legged Robot. IEEE Transactions on Robotics, 2020, 36, 855-874.	7.3	17
60	Numerical Simulation of Wave Interaction with Payloads of Different Postures Using OpenFOAM. Journal of Marine Science and Engineering, 2020, 8, 433.	1.2	9
61	Fault Estimation for Discrete-Time Systems With Lipschitz Perturbation and Time-Variant Coefficients. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3137-3141.	2.2	11
62	Fault estimation for a class of nonlinear time-variant systems through a Krein space–based approach. Measurement and Control, 2020, 53, 541-550.	0.9	1
63	Semi-Active Suspension Control Based on Deep Reinforcement Learning. IEEE Access, 2020, 8, 9978-9986.	2.6	39
64	An Energy Efficient Motion Controller Based on SLCP for the Electrically Actuated Quadruped Robot. Journal of Bionic Engineering, 2020, 17, 290-302.	2.7	13
65	Robust trajectory tracking control for a quadrotor subject to disturbances and model uncertainties. International Journal of Systems Science, 2020, 51, 839-851.	3.7	16
66	Grid Map Construction and Terrain Prediction for Quadruped Robot Based on C-Terrain Path. IEEE Access, 2020, 8, 56572-56580.	2.6	9
67	An End to End Framework With Adaptive Spatio-Temporal Attention Module for Human Action Recognition. IEEE Access, 2020, 8, 47220-47231.	2.6	10
68	The Influence of the Activation Function in a Convolution Neural Network Model of Facial Expression Recognition. Applied Sciences (Switzerland), 2020, 10, 1897.	1.3	169
69	Locomotion Control of Quadruped Robots With Online Center of Mass Adaptation and Payload Identification. IEEE Access, 2020, 8, 224578-224587.	2.6	8
70	Indoor Pedestrian Positioning Method Based on Pelvic Motion Model Using Inertial Sensors. , 2020, , .		0
71	Learn by Observation: Imitation Learning for Drone Patrolling from Videos of A Human Navigator. , 2020, , .		4
72	Contact Force Estimation and Regulation of a Position-controlled Floating Base System without Joint Torque Information. , 2020, , .		2

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73	Anti-swing control for a double-pendulum offshore boom crane with ship roll and heave movements. , 2020, , .		1
74	A Multi-model Human Motion Tracking Approach with Wearable IMU Sensors. , 2020, , .		1
75	Autonomous Robot Navigation Based on Multi-Camera Perception. , 2020, , .		6
76	Adaptive sliding mode control of tracked mobile robot under unknown bounded disturbance. , 2020, , .		3
77	Lidar guided stereo simultaneous localization and mapping (SLAM) for indoor Three-dimensional reconstruction. , 2020, , .		0
78	A Trot and Flying Trot Control Method for Quadruped Robot Based on Optimal Foot Force Distribution. Journal of Bionic Engineering, 2019, 16, 621-632.	2.7	28
79	Energy Efficient Foot Trajectory of Trot Motion for Hydraulic Quadruped Robot. Energies, 2019, 12, 2514.	1.6	21
80	Manipulation Skill Acquisition for Robotic Assembly using Deep Reinforcement Learning. , 2019, , .		8
81	Coordinated Control of Multiple Euler–Lagrange Systems for Escorting Missions with Obstacle Avoidance. Applied Sciences (Switzerland), 2019, 9, 4144.	1.3	2
82	Movements and Balance Control of a Wheel-Leg Robot Based on Uncertainty and Disturbance Estimation Method. IEEE Access, 2019, 7, 133265-133273.	2.6	15
83	Path Planning Based on ADFA* Algorithm for Quadruped Robot. IEEE Access, 2019, 7, 111095-111101.	2.6	6
84	Deep Residual Texture Network for Terrain Recognition. IEEE Access, 2019, 7, 90152-90161.	2.6	2
85	Fall Detection in Videos With Trajectory-Weighted Deep-Convolutional Rank-Pooling Descriptor. IEEE Access, 2019, 7, 4135-4144.	2.6	15
86	Generation of a continuous free gait for quadruped robot over rough terrains. Advanced Robotics, 2019, 33, 74-89.	1.1	14
87	Hierarchical dynamic depth projected difference images–based action recognition in videos with convolutional neural networks. International Journal of Advanced Robotic Systems, 2019, 16, 172988141882509.	1.3	13
88	Modeling and Analysis on Energy Consumption of Hydraulic Quadruped Robot for Optimal Trot Motion Control. Applied Sciences (Switzerland), 2019, 9, 1771.	1.3	24
89	An Autonomous Developmental Cognitive Architecture Based on Incremental Associative Neural Network With Dynamic Audiovisual Fusion. IEEE Access, 2019, 7, 8789-8807.	2.6	7
90	Automatic Knowledge Discovery in Lecturing Videos via Deep Representation. IEEE Access, 2019, 7, 33957-33963.	2.6	2

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91	ALeader-following Method Based on Binocular Stereo Vision For Quadruped Robots. , 2019, , .		1
92	An Outdoor Human-tracking Method Based on 3D Lidar for Quadruped Robots. , 2019, , .		4
93	An Energy Optimal Endpoint Trajectory for Docking Mechanism On Mobile Robots. , 2019, , .		0
94	Practical Techniques Research on Climbing the Steep Slope of Quadruped Robots. , 2019, , .		1
95	Dynamically Grasping with Incomplete Information Workpiece Based on Machine Vision. , 2019, , .		3
96	Learning Actions from Human Demonstration Video for Robotic Manipulation. , 2019, , .		14
97	A Scan Matching Method For Quadruped Robots In Outdoor Environment. , 2019, , .		0
98	An integrated configuration optimization approach for 6-dof serial manipulators on performance indices. , 2019, , .		1
99	An algorithm of foot end trajectory tracking control for quadruped robot based on model predictive control. , 2019, , .		2
100	Rugged - Terrain Traversability Analyzing For Quadruped Robots. , 2019, , .		2
101	Unsupervised Monocular Depth Estimation with Encoder-decoder Network*. , 2019, , .		0
102	Force Perception of Industrial Robot Based on Multi-parameter Coupled Model. , 2019, , .		2
103	Work Amplification of the Hydraulic Servo Actuator with a Miniature Accumulator*. , 2019, , .		0
104	Finite-time Attitude Stabilization Control of a Quadrotor with Parametric Uncertainties and Disturbances. , 2019, , .		1
105	A Closed Loop Inverse Kinematics and Control Scheme for one Class of Offset-Joint 7-DOF Redundant Manipulator. , 2019, , .		0
106	The Application of a Hybrid Transfer Algorithm Based on a Convolutional Neural Network Model and an Improved Convolution Restricted Boltzmann Machine Model in Facial Expression Recognition. IEEE Access, 2019, 7, 184599-184610.	2.6	17
107	Robotic Fasten Assembly using Vision and Force Sensing. , 2019, , .		0
108	A Quasi-Elliptic Foot Trajectory Planning Approach Based on the Stochastic Linear Complementarity Problem for Electrical Quadruped Robots. , 2019, , .		0

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109	Realization of Complex Terrain and Disturbance Adaptation for Hydraulic Quadruped Robot under Flying trot Gait. , 2019, , .		3
110	Online Center of Mass Detection for Quadruped Robots in Trot Gait Motion. , 2019, , .		7
111	Design and Control of a Series Elastic Actuator with High Compliance for Serial Manipulators. , 2019, , .		1
112	Active Compliance Control on the Hydraulic Quadruped Robot With Passive Compliant Servo Actuator. IEEE Access, 2019, 7, 163449-163460.	2.6	11
113	Facial Expression Recognition Based on Auxiliary Models. Algorithms, 2019, 12, 227.	1.2	11
114	A Joint Torque Redistribution Approach for Energy Efficient Electrical Quadruped Robot. , 2019, , .		1
115	Salient object detection with adversarial training. IET Image Processing, 2019, 13, 2859-2865.	1.4	1
116	Static Gait Planning Method for Quadruped Robot Walking on Unknown Rough Terrain. IEEE Access, 2019, 7, 177651-177660.	2.6	17
117	Facial Expression Recognition Based on Random Forest and Convolutional Neural Network. Information (Switzerland), 2019, 10, 375.	1.7	29
118	Speed and Acceleration Control for a Two Wheel-Leg Robot Based on Distributed Dynamic Model and Whole-Body Control. IEEE Access, 2019, 7, 180630-180639.	2.6	12
119	Reversible data hiding for high dynamic range images using edge information. Multimedia Tools and Applications, 2019, 78, 29137-29160.	2.6	12
120	Coarse-to-Fine UAV Target Tracking With Deep Reinforcement Learning. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1522-1530.	3.4	90
121	Wearable biofuel cells based on the classification of enzyme for high power outputs and lifetimes. Biosensors and Bioelectronics, 2019, 124-125, 40-52.	5.3	98
122	Fault Detection for Linear Discrete Time-Varying Systems Subject to Random Sensor Delay: A Riccati Equation Approach. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1707-1716.	3.5	88
123	A novel energy-coupling-based control method for double-pendulum overhead cranes with initial control force constraint. Advances in Mechanical Engineering, 2018, 10, 168781401775221.	0.8	20
124	An Enhanced Coupling Nonlinear Tracking Controller for Underactuated 3D Overhead Crane Systems. Asian Journal of Control, 2018, 20, 1839-1854.	1.9	23
125	Region-sequence based six-stream CNN features for general and fine-grained human action recognition in videos. Pattern Recognition, 2018, 76, 506-521.	5.1	69
126	Research on Multi-feature Fusion Algorithm for Facial Expression Recognition System. , 2018, , .		0

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127	Modeling Contact State of Industrial Robotic Assembly Using Support Vector Regression. , 2018, , .		4
128	Nonprehensile Pushing Manipulation Strategies for a Multi-Limb Robot*. , 2018, , .		0
129	Local Coupled Extreme Learning Machine Based on Particle Swarm Optimization. Algorithms, 2018, 11, 174.	1.2	7
130	Active 6-D position-pose estimation of a spatial circle using monocular eye-in-hand system. International Journal of Advanced Robotic Systems, 2018, 15, 172988141775369.	1.3	2
131	An Energy Optimal Foot Trajectory for the Hydraulic Actuated Quadruped Robot. , 2018, , .		5
132	Contact State Classification in Industrial Robotic Assembly Tasks Based on Extreme Learning Machine. , 2018, , .		4
133	Dynamic Modelling and Motion Planning for the Nonprehensile Manipulation and Locomotion Tasks of the Quadruped Rsbot*This work is supported by the project of Robotics Innovation Based on Advanced Materials under Ritsumeikan Global Innovation Research Organization (R-GIRO). , 2018, , .		1
134	A Localization Method Based on Large Scene Tracking and Target Details Observation About Small Quadruped Robot Under Global Vision. , 2018, , .		1
135	Theoretical Study on the Catalytic Oxidation of p â€‘odophenol by Horseradish Peroxidase in a Chemiluminescent System. ChemistrySelect, 2018, 3, 11749-11757.	0.7	0
136	Active Impedance Control of Bioinspired Motion Robotic Manipulators: An Overview. Applied Bionics and Biomechanics, 2018, 2018, 1-19.	0.5	41
137	Design of a Bionic Eye Experimental Platform. , 2018, , .		0
138	Quadruped Locomotion Control Based on Two Bipeds Jointly Carrying Model. , 2018, , .		4
139	Model-free control of a quadrotor using adaptive proportional derivative-sliding mode control and robust integral of the signum of the error. International Journal of Advanced Robotic Systems, 2018, 15, 172988141880088.	1.3	15
140	Design, Modelling and Validation of Hydraulic Servo Actuator With Passive Compliance for Legged Robots. IEEE Access, 2018, 6, 59486-59495.	2.6	6
141	Butterfly-shaped asymmetric squaraine dimers for organic photovoltaics. Journal of Materials Chemistry C, 2018, 6, 10547-10556.	2.7	12
142	Cooperative Control of Multiple Nonholonomic Robots for Escorting and Patrolling Mission Based on Vector Field. IEEE Access, 2018, 6, 41883-41891.	2.6	15
143	Leader Recognition and Tracking for Quadruped Robots. , 2018, , .		2
144	A Hybrid 3D Descriptor With Global Structural Frames and Local Signatures of Histograms. IEEE Access, 2018, 6, 39261-39272.	2.6	6

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145	A partially saturated adaptive learning controller for overhead cranes with payload hoisting/lowering and unknown parameters. Nonlinear Dynamics, 2017, 89, 1779-1791.	2.7	34
146	Self-paced model learning for robust visual tracking. Journal of Electronic Imaging, 2017, 26, 013016.	0.5	7
147	Collecting public RGB-D datasets for human daily activity recognition. International Journal of Advanced Robotic Systems, 2017, 14, 172988141770907.	1.3	6
148	Dynamic k-coverage planning for multiple events with mobile robots. International Journal of Advanced Robotic Systems, 2017, 14, 172988141771079.	1.3	0
149	Correlation filter-based self-paced object tracking. , 2017, , .		7
150	Modeling and energy-based fuzzy controlling for underactuated overhead cranes with load transferring, lowering, and persistent external disturbances. Advances in Mechanical Engineering, 2017, 9, 168781401772008.	0.8	4
151	Active compliance control of the hydraulic actuated leg prototype. Assembly Automation, 2017, 37, 356-368.	1.0	10
152	Deep learning based human action recognition: A survey. , 2017, , .		17
153	Kinematics analysis of biped robot based on toddler's natural gait extraction. , 2017, , .		0
154	Vergence eye movement with prediction and learning based on dual visual-local feedback. , 2017, , .		0
155	Quadrotor vertical taking off and landing control based on backstepping and non-singular terminal sliding mode. , 2017, , .		0
156	Terrain recognition for outdoor mobile robots. , 2017, , .		2
157	A CCPP algorithm based on the standard map for the mobile robot. , 2017, , .		0
158	Controller design and experimental validation of a robot joint with active compliance. , 2017, , .		1
159	Leader recognition based on 2D laser scanner and pan-tilt for quadruped robots. , 2017, , .		4
160	Cooperative multiple nonholonomic robots control for moving-target circular formation using backstepping design and tracking differentiator. , 2017, , .		3
161	An optimized discontinuous crawl gait for quadruped robot. , 2017, , .		2
162	Closed-loop parity-space based fault detection: Application to simplified quadruped robot model. , 2017, , .		0

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163	A* algorithm of global path planning based on the grid map and V-graph environmental model for the mobile robot. , 2017, , .		11
164	Facial Expression Recognition with Fusion Features Extracted from Salient Facial Areas. Sensors, 2017, 17, 712.	2.1	64
165	Improvement of ID3 Algorithm Based on Simplified Information Entropy and Coordination Degree. Algorithms, 2017, 10, 124.	1.2	21
166	Autonomous cognitive developmental models of robots-a survey. , 2017, , .		2
167	Hydraulic pan-tilt servo control system based on hydraulic actuator model. , 2017, , .		0
168	Design optimization on passive exoskeletons through musculoskeletal model simulation. , 2016, , .		1
169	Research and design of intelligent controlÂand precision sowing simulation system forÂwheat. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2313-2320.	0.8	2
170	Chattering free sliding adaptive attitude control for quadrotor. , 2016, , .		2
171	Facial expression recognition with PCA and LBP features extracting from active facial patches. , 2016, , .		23
172	DMC based tracking algorithm for hot-line dual-arm robots. , 2016, , .		0
173	A novel online motion planning method for double-pendulum overhead cranes. Nonlinear Dynamics, 2016, 85, 1079-1090.	2.7	87
174	A combined COG adjustment approach of the crawl gait for quadruped robot. , 2016, , .		1
175	A Bounded Strategy of the Mobile Robot Coverage Path Planning Based on Lorenz Chaotic System. International Journal of Advanced Robotic Systems, 2016, 13, 107.	1.3	27
176	A turning gait generation approach for quadruped robot based on trotting gait. , 2016, , .		5
177	Gait-Based Quadruped Robot Planar Hopping Control with Energy Planning. International Journal of Advanced Robotic Systems, 2016, 13, 20.	1.3	6
178	Information fusion control with time delay for smooth pursuit eye movement. Physiological Reports, 2016, 4, e12775.	0.7	4
179	Torso motion control and toe trajectory generation of a trotting quadruped robot based on virtual model control. Advanced Robotics, 2016, 30, 284-297.	1.1	36
180	The polynomial modeling and analysis of a special behavior for mobile robot. , 2015, , .		0

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181	Research on pressure tactile sensing technology based on fiber Bragg grating array. Photonic Sensors, 2015, 5, 263-272.	2.5	27
182	QUADRUPED ROBOT MECHANISM DESIGN AND MOTION SIMULATION BASED ON SOLIDWORKS AND ADAMS. , 2015, , .		1
183	Mathematical Modeling and Analysis of Multirobot Cooperative Hunting Behaviors. Journal of Robotics, 2015, 2015, 1-8.	0.6	4
184	A motion planning method for underactuated 3D overhead crane systems. , 2015, , .		3
185	A free gait generation method for quadruped robots over rough terrains containing forbidden areas. Journal of Mechanical Science and Technology, 2015, 29, 3983-3993.	0.7	16
186	A comparative study of four Jacobian matrix derivation methods for quadruped robot. , 2015, , .		1
187	A novel walking control method for the pace gait of a quadruped robot. WIT Transactions on Engineering Sciences, 2015, , .	0.0	0
188	Design and control of the quadruped robot LittleCalf. WIT Transactions on Engineering Sciences, 2015, , .	0.0	0
189	A FREE GAIT PLANNING METHOD BASED ON THE FOOTHOLD SEARCH STRATEGY FOR QUADRUPED ROBOT. , 2015, , .		0
190	An Improved Kernel Based Extreme Learning Machine for Robot Execution Failures. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	17
191	An active target localization with monocular vision. , 2014, , .		6
192	An impact recovery approach for quadruped robot with trotting gait. , 2014, , .		2
193	Chinese sign language recognition with 3D hand motion trajectories and depth images. , 2014, , .		5
194	An Improved Reinforcement Learning Algorithm for Cooperative Behaviors of Mobile Robots. Journal of Control Science and Engineering, 2014, 2014, 1-8.	0.8	3
195	Combining features for Chinese sign language recognition with Kinect. , 2014, , .		18
196	Realization of a hydraulic actuated biped robot walking without double support phase. International Journal of Control, Automation and Systems, 2014, 12, 843-851.	1.6	8
197	Training Revising Based Traversability Analysis of Complex Terrains for Mobile Robot. Advances in Mechanical Engineering, 2014, 6, 572917.	0.8	1
198	The extreme learning machine learning algorithm with tunable activation function. Neural Computing and Applications, 2013, 22, 531-539.	3.2	46

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199	Improved poly-clonal artificial immune network for multi-robot dynamic path planning. , 2013, , .		1
200	The application of image based visual servo control system for smart guard. , 2013, , .		5
201	An improved extreme learning machine based on Variable-length Particle Swarm Optimization. , 2013, , .		8
202	Target recognition in different color spaces. , 2013, , .		2
203	Design and research of wrist force sensor based on FBG. , 2013, , .		2
204	The traversability analysis for coal mine mobile robot based on rough sets. , 2013, , .		1
205	Mobile Robot Path Planning Using Polyclonal-Based Artificial Immune Network. Journal of Control Science and Engineering, 2013, 2013, 1-13.	0.8	2
206	An Improved Chaotic Motion Path Planner for Autonomous Mobile Robots Based on a Logistic Map. International Journal of Advanced Robotic Systems, 2013, 10, 273.	1.3	22
207	An anchor-free localization algorithm for shopping carts on supermarket Internet of Things. , 2012, , .		3
208	Design and simulation for a hydraulic actuated quadruped robot. Journal of Mechanical Science and Technology, 2012, 26, 1171-1177.	0.7	105
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