

Yibin Li

List of Publications by Year in descending order

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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	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
2	Design and simulation for a hydraulic actuated quadruped robot. Journal of Mechanical Science and Technology, 2012, 26, 1171-1177.	0.7	105
3	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
4	Coarse-to-Fine UAV Target Tracking With Deep Reinforcement Learning. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1522-1530.	3.4	90
5	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
6	A novel online motion planning method for double-pendulum overhead cranes. Nonlinear Dynamics, 2016, 85, 1079-1090.	2.7	87
7	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
8	Facial Expression Recognition with Fusion Features Extracted from Salient Facial Areas. Sensors, 2017, 17, 712.	2.1	64
9	Merocyanine with Hole-Transporting Ability and Efficient Defect Passivation Effect for Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 869-876.	8.8	64
10	Research of mammal bionic quadruped robots: A review. , 2011, , .		56
11	The extreme learning machine learning algorithm with tunable activation function. Neural Computing and Applications, 2013, 22, 531-539.	3.2	46
12	Active Impedance Control of Bioinspired Motion Robotic Manipulators: An Overview. Applied Bionics and Biomechanics, 2018, 2018, 1-19.	0.5	41
13	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
14	Semi-Active Suspension Control Based on Deep Reinforcement Learning. IEEE Access, 2020, 8, 9978-9986.	2.6	39
15	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
16	Emerging Chemistry in Enhancing the Chemical and Photochemical Stabilities of Fusedâ€œRing Electron Acceptors in Organic Solar Cells. Advanced Functional Materials, 2021, 31, 2106735.	7.8	36
17	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
18	Facial Expression Recognition Based on Random Forest and Convolutional Neural Network. Information (Switzerland), 2019, 10, 375.	1.7	29

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19	Autonomous live working robot navigation with real-time detection and motion planning system on distribution line. High Voltage, 2022, 7, 1204-1216.	2.7	29
20	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
21	Research on pressure tactile sensing technology based on fiber Bragg grating array. Photonic Sensors, 2015, 5, 263-272.	2.5	27
22	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
23	Modeling and Analysis on Energy Consumption of Hydraulic Quadruped Robot for Optimal Trot Motion Control. Applied Sciences (Switzerland), 2019, 9, 1771.	1.3	24
24	Convolutional Networks With Channel and STIPs Attention Model for Action Recognition in Videos. IEEE Transactions on Multimedia, 2020, 22, 2293-2306.	5.2	24
25	Facial expression recognition with PCA and LBP features extracting from active facial patches. , 2016, , .		23
26	An Enhanced Coupling Nonlinear Tracking Controller for Underactuated 3D Overhead Crane Systems. Asian Journal of Control, 2018, 20, 1839-1854.	1.9	23
27	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
28	Improvement of ID3 Algorithm Based on Simplified Information Entropy and Coordination Degree. Algorithms, 2017, 10, 124.	1.2	21
29	Energy Efficient Foot Trajectory of Trot Motion for Hydraulic Quadruped Robot. Energies, 2019, 12, 2514.	1.6	21
30	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
31	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
32	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
33	Combining features for Chinese sign language recognition with Kinect. , 2014, , .		18
34	ADRC-ESMPC active heave compensation control strategy for offshore cranes. Ships and Offshore Structures, 2020, 15, 1098-1106.	0.9	18
35	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
36	An Improved Kernel Based Extreme Learning Machine for Robot Execution Failures. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	17

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37	Deep learning based human action recognition: A survey. , 2017, , .		17
38	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
39	Static Gait Planning Method for Quadruped Robot Walking on Unknown Rough Terrain. IEEE Access, 2019, 7, 177651-177660.	2.6	17
40	Grasp for Stacking via Deep Reinforcement Learning. , 2020, , .		17
41	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
42	Towards Multi-Modal Perception-Based Navigation: A Deep Reinforcement Learning Method. IEEE Robotics and Automation Letters, 2021, 6, 4986-4993.	3.3	17
43	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
44	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
45	Gait generation and transitions of quadruped robot based on Wilson-Cowan weakly neural networks. , 2010, , .		15
46	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
47	Cooperative Control of Multiple Nonholonomic Robots for Escorting and Patrolling Mission Based on Vector Field. IEEE Access, 2018, 6, 41883-41891.	2.6	15
48	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
49	Fall Detection in Videos With Trajectory-Weighted Deep-Convolutional Rank-Pooling Descriptor. IEEE Access, 2019, 7, 4135-4144.	2.6	15
50	A Dynamic Path Planning Method for Social Robots in the Home Environment. Electronics (Switzerland), 2020, 9, 1173.	1.8	15
51	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
52	Generation of a continuous free gait for quadruped robot over rough terrains. Advanced Robotics, 2019, 33, 74-89.	1.1	14
53	Learning Actions from Human Demonstration Video for Robotic Manipulation. , 2019, , .		14
54	Manipulation Skill Acquisition for Robotic Assembly Based on Multi-Modal Information Description. IEEE Access, 2020, 8, 6282-6294.	2.6	14

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55	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
56	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
57	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
58	Butterfly-shaped asymmetric squaraine dimers for organic photovoltaics. Journal of Materials Chemistry C, 2018, 6, 10547-10556.	2.7	12
59	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
60	Reversible data hiding for high dynamic range images using edge information. Multimedia Tools and Applications, 2019, 78, 29137-29160.	2.6	12
61	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
62	Face detection and recognition with SURF for human-robot interaction. , 2009, , .		11
63	A* algorithm of global path planning based on the grid map and V-graph environmental model for the mobile robot. , 2017, , .		11
64	Active Compliance Control on the Hydraulic Quadruped Robot With Passive Compliant Servo Actuator. IEEE Access, 2019, 7, 163449-163460.	2.6	11
65	Facial Expression Recognition Based on Auxiliary Models. Algorithms, 2019, 12, 227.	1.2	11
66	Visual Object Tracking via Guessing and Matching. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4182-4191.	5.6	11
67	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
68	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
69	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
70	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
71	PackerBot: Variable-Sized Product Packing with Heuristic Deep Reinforcement Learning. , 2021, , .		11
72	Active compliance control of the hydraulic actuated leg prototype. Assembly Automation, 2017, 37, 356-368.	1.0	10

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73	A novel recommendation system via L0-regularized convex optimization. <i>Neural Computing and Applications</i> , 2020, 32, 1649-1663.	3.2	10
74	An End to End Framework With Adaptive Spatio-Temporal Attention Module for Human Action Recognition. <i>IEEE Access</i> , 2020, 8, 47220-47231.	2.6	10
75	Numerical Simulation of Wave Interaction with Payloads of Different Postures Using OpenFOAM. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 433.	1.2	9
76	Grid Map Construction and Terrain Prediction for Quadruped Robot Based on C-Terrain Path. <i>IEEE Access</i> , 2020, 8, 56572-56580.	2.6	9
77	An Efficient Gait-generating Method for Electrical Quadruped Robot Based on Humanoid Power Planning Approach. <i>Journal of Bionic Engineering</i> , 2021, 18, 1463-1474.	2.7	9
78	A Hierarchical Framework for Quadruped Locomotion Based on Reinforcement Learning. , 2021, , .		9
79	Tetracyanobutadienyl-Based Nonlinear Optical Dendronized Hyperbranched Polymer Synthesized via [2+2] Cycloaddition Polymer Postfunctionalization. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200179.	2.0	9
80	An improved extreme learning machine based on Variable-length Particle Swarm Optimization. , 2013, , .		8
81	Realization of a hydraulic actuated biped robot walking without double support phase. <i>International Journal of Control, Automation and Systems</i> , 2014, 12, 843-851.	1.6	8
82	Manipulation Skill Acquisition for Robotic Assembly using Deep Reinforcement Learning. , 2019, , .		8
83	Learning Multi-Object Dense Descriptor for Autonomous Goal-Conditioned Grasping. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 4109-4116.	3.3	8
84	Locomotion Control of Quadruped Robots With Online Center of Mass Adaptation and Payload Identification. <i>IEEE Access</i> , 2020, 8, 224578-224587.	2.6	8
85	Self-paced model learning for robust visual tracking. <i>Journal of Electronic Imaging</i> , 2017, 26, 013016.	0.5	7
86	Correlation filter-based self-paced object tracking. , 2017, , .		7
87	Local Coupled Extreme Learning Machine Based on Particle Swarm Optimization. <i>Algorithms</i> , 2018, 11, 174.	1.2	7
88	An Autonomous Developmental Cognitive Architecture Based on Incremental Associative Neural Network With Dynamic Audiovisual Fusion. <i>IEEE Access</i> , 2019, 7, 8789-8807.	2.6	7
89	Online Center of Mass Detection for Quadruped Robots in Trot Gait Motion. , 2019, , .		7
90	Design and experiment of a bionic flapping wing mechanism with flapping "twist" swing motion based on a single rotation. <i>AIP Advances</i> , 2020, 10, .	0.6	7

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91	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
92	The Design and Implementation of OpenGL-based Comprehensive Educational Robot System. , 2006, , .		6
93	ADRC based ship tracking controller design and simulations. , 2008, , .		6
94	An active target localization with monocular vision. , 2014, , .		6
95	Gait-Based Quadruped Robot Planar Hopping Control with Energy Planning. International Journal of Advanced Robotic Systems, 2016, 13, 20.	1.3	6
96	Collecting public RGB-D datasets for human daily activity recognition. International Journal of Advanced Robotic Systems, 2017, 14, 172988141770907.	1.3	6
97	Design, Modelling and Validation of Hydraulic Servo Actuator With Passive Compliance for Legged Robots. IEEE Access, 2018, 6, 59486-59495.	2.6	6
98	A Hybrid 3D Descriptor With Global Structural Frames and Local Signatures of Histograms. IEEE Access, 2018, 6, 39261-39272.	2.6	6
99	Path Planning Based on ADFA* Algorithm for Quadruped Robot. IEEE Access, 2019, 7, 111095-111101.	2.6	6
100	Fault estimation for discrete timeâ€œvariant systems subject to actuator and sensor saturations. International Journal of Robust and Nonlinear Control, 2021, 31, 988-1004.	2.1	6
101	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
102	Autonomous Robot Navigation Based on Multi-Camera Perception. , 2020, , .		6
103	Bio-Inspired Rhythmic Locomotion for Quadruped Robots. IEEE Robotics and Automation Letters, 2022, 7, 6782-6789.	3.3	6
104	LVQ neural network based target differentiation method for mobile robot. , 0, , .		5
105	Genetic Algorithm-based Multi-robot Cooperative Exploration. , 2007, , .		5
106	Study on ADRC-based mobile robot lateral control. , 2007, , .		5
107	Multi-objective Path Planning for the Mobile Robot. , 2007, , .		5
108	Sonar array azimuth control system based on genetic neural network. , 2008, , .		5

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109	Multi-steps prediction of chaotic time series based on echo state network. , 2010, , .		5
110	The application of image based visual servo control system for smart guard. , 2013, , .		5
111	Chinese sign language recognition with 3D hand motion trajectories and depth images. , 2014, , .		5
112	A turning gait generation approach for quadruped robot based on trotting gait. , 2016, , .		5
113	An Energy Optimal Foot Trajectory for the Hydraulic Actuated Quadruped Robot. , 2018, , .		5
114	A Novel Dynamic Locomotion Control Method for Quadruped Robots Running on Rough Terrains. IEEE Access, 2020, 8, 150435-150446.	2.6	5
115	Development of a Bio-inspired Soft Robotic Gripper based on Tensegrity Structures. , 2021, , .		5
116	Anionic Cyanine J&Etype Aggregate Nanoparticles with Enhanced Photosensitization for Mitochondria&Etargeting Tumor Phototherapy. Angewandte Chemie, 0, , .	1.6	5
117	Mathematical Modeling and Analysis of Multirobot Cooperative Hunting Behaviors. Journal of Robotics, 2015, 2015, 1-8.	0.6	4
118	Information fusion control with time delay for smooth pursuit eye movement. Physiological Reports, 2016, 4, e12775.	0.7	4
119	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
120	Leader recognition based on 2D laser scanner and pan-tilt for quadruped robots. , 2017, , .		4
121	Modeling Contact State of Industrial Robotic Assembly Using Support Vector Regression. , 2018, , .		4
122	Contact State Classification in Industrial Robotic Assembly Tasks Based on Extreme Learning Machine. , 2018, , .		4
123	Quadruped Locomotion Control Based on Two Bipedes Jointly Carrying Model. , 2018, , .		4
124	An Outdoor Human-tracking Method Based on 3D Lidar for Quadruped Robots. , 2019, , .		4
125	Design and motion planning of hydraulically driven leg for maximum height jumping. Mechatronics, 2021, 74, 102499.	2.0	4
126	Autonomous Multi-View Navigation via Deep Reinforcement Learning. , 2021, , .		4

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127	From Edge to Keypoint: An End-to-End Framework For Indoor Layout Estimation. IEEE Transactions on Multimedia, 2021, 23, 4483-4490.	5.2	4
128	Unfused Nonfullerene Acceptors Based on Simple Dipolar Merocyanines. Chemistry - A European Journal, 2021, 27, 18103-18108.	1.7	4
129	Learn by Observation: Imitation Learning for Drone Patrolling from Videos of A Human Navigator. , 2020, , .		4
130	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
131	Study on throttle control of intelligent vehicle longitudinal motion. , 0, , .		3
132	Design of Wireless Sensor Network Node CC2510 Based and Study on Communication Protocol. , 2006, , .		3
133	Multi-agent-based Auctions for Multi-robot Exploration. , 2006, , .		3
134	Adaptive genetic algorithm for occupancy grid maps merging. , 2008, , .		3
135	An anchor-free localization algorithm for shopping carts on supermarket Internet of Things. , 2012, , .		3
136	An Improved Reinforcement Learning Algorithm for Cooperative Behaviors of Mobile Robots. Journal of Control Science and Engineering, 2014, 2014, 1-8.	0.8	3
137	A motion planning method for underactuated 3D overhead crane systems. , 2015, , .		3
138	Cooperative multiple nonholonomic robots control for moving-target circular formation using backstepping design and tracking differentiator. , 2017, , .		3
139	Dynamically Grasping with Incomplete Information Workpiece Based on Machine Vision. , 2019, , .		3
140	Realization of Complex Terrain and Disturbance Adaptation for Hydraulic Quadruped Robot under Flying trot Gait. , 2019, , .		3
141	Adaptive sliding mode control of tracked mobile robot under unknown bounded disturbance. , 2020, , .		3
142	Research on intelligent vehicle robust controller design method based on noise-add. , 0, , .		2
143	Study on Adaptive Path Planning for Mobile Robot Based on Q Learning. , 2006, , .		2
144	Collaborative Control for Internet-based Multi-robot Exploration. , 2006, , .		2

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145	The Research and Application of Real Time CORBA in Software Framework for Industrial Robot. , 2007, , .		2
146	Research on autonomous negotiation action planning for 110kV power transmission line inspection robot. , 2008, , .		2
147	Research and design of control system for a tracked SAR robot under coal mine. , 2009, , .		2
148	Target recognition in different color spaces. , 2013, , .		2
149	Design and research of wrist force sensor based on FBC. , 2013, , .		2
150	Mobile Robot Path Planning Using Polyclonal-Based Artificial Immune Network. Journal of Control Science and Engineering, 2013, 2013, 1-13.	0.8	2
151	An impact recovery approach for quadruped robot with trotting gait. , 2014, , .		2
152	Research and design of intelligent control and precision sowing simulation system for wheat. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2313-2320.	0.8	2
153	Chattering free sliding adaptive attitude control for quadrotor. , 2016, , .		2
154	Terrain recognition for outdoor mobile robots. , 2017, , .		2
155	An optimized discontinuous crawl gait for quadruped robot. , 2017, , .		2
156	Autonomous cognitive developmental models of robots-a survey. , 2017, , .		2
157	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
158	Leader Recognition and Tracking for Quadruped Robots. , 2018, , .		2
159	Coordinated Control of Multiple Euler-Lagrange Systems for Escorting Missions with Obstacle Avoidance. Applied Sciences (Switzerland), 2019, 9, 4144.	1.3	2
160	Deep Residual Texture Network for Terrain Recognition. IEEE Access, 2019, 7, 90152-90161.	2.6	2
161	Automatic Knowledge Discovery in Lecturing Videos via Deep Representation. IEEE Access, 2019, 7, 33957-33963.	2.6	2
162	An algorithm of foot end trajectory tracking control for quadruped robot based on model predictive control. , 2019, , .		2

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163	Rugged - Terrain Traversability Analyzing For Quadruped Robots. , 2019, , .		2
164	Force Perception of Industrial Robot Based on Multi-parameter Coupled Model. , 2019, , .		2
165	Human-like Walking of a Biped Robot Actuated by Pneumatic Artificial Muscles and Springs. , 2020, , .		2
166	Contact Force Estimation and Regulation of a Position-controlled Floating Base System without Joint Torque Information. , 2020, , .		2
167	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
168	Autonomous Legged Robot Navigation with Environment Awareness System in Complex Outdoor Environments. , 2021, , .		2
169	Modeling and Control of a Wheeled Biped Robot. Micromachines, 2022, 13, 747.	1.4	2
170	Search strategy of path for mobile robot. , 0, , .		1
171	A Stereo Matching Method Based on Kernel Density Estimation. , 2006, , .		1
172	The Design and Implementation of Middleware-based and VR-based Software Framework for Distributed Industrial Robot Application in Train Maintenance. , 2006, , .		1
173	Application of Genetic Diagonal Recurrent Neural Network to Servo System. , 2006, , .		1
174	Parallel Learning Evolutionary Algorithm Based on Neural Network Ensemble. , 2006, , .		1
175	Study on ADRC based lateral control for tracked mobile robots on stairs. , 2008, , .		1
176	Research of the obstacle avoidance based on RBFNN for the mobile robot under dynamic environment. , 2008, , .		1
177	Study on ADRC-based intelligent vehicle lateral locomotion control. , 2008, , .		1
178	The ship nonlinear course system control based on auto disturbance rejection controller. , 2008, , .		1
179	The Design and Implementation of Quadruped Robot Gait Simulation System. , 2010, , .		1
180	Fuzzy sliding mode control of hydraulic cylinders driving a quadruped robot. , 2010, , .		1

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181	A moving object tracking method based on mean shift rectification. , 2010, , .		1
182	Selection of parameters for phase space reconstruction of chaotic time series. , 2010, , .		1
183	The OpenGL and GInac based approach to quadruped robot gait simulation system. , 2010, , .		1
184	Improved poly-clonal artificial immune network for multi-robot dynamic path planning. , 2013, , .		1
185	The traversability analysis for coal mine mobile robot based on rough sets. , 2013, , .		1
186	Training Revising Based Traversability Analysis of Complex Terrains for Mobile Robot. Advances in Mechanical Engineering, 2014, 6, 572917.	0.8	1
187	QUADRUPED ROBOT MECHANISM DESIGN AND MOTION SIMULATION BASED ON SOLIDWORKS AND ADAMS. , 2015, , .		1
188	A comparative study of four Jacobian matrix derivation methods for quadruped robot. , 2015, , .		1
189	Design optimization on passive exoskeletons through musculoskeletal model simulation. , 2016, , .		1
190	A combined COG adjustment approach of the crawl gait for quadruped robot. , 2016, , .		1
191	Controller design and experimental validation of a robot joint with active compliance. , 2017, , .		1
192	Dynamic Modelling and Motion Planning for the Nonprehensile Manipulation and Locomotion Tasks of the Quadruped Rsbob*This work is supported by the project of Robotics Innovation Based on Advanced Materials under Ritsumeikan Global Innovation Research Organization (R-GIRO). , 2018, , .		1
193	A Localization Method Based on Large Scene Tracking and Target Details Observation About Small Quadruped Robot Under Global Vision. , 2018, , .		1
194	ALeader-following Method Based on Binocular Stereo Vision For Quadruped Robots. , 2019, , .		1
195	Practical Techniques Research on Climbing the Steep Slope of Quadruped Robots. , 2019, , .		1
196	An integrated configuration optimization approach for 6-dof serial manipulators on performance indices. , 2019, , .		1
197	Finite-time Attitude Stabilization Control of a Quadrotor with Parametric Uncertainties and Disturbances. , 2019, , .		1
198	Design and Control of a Series Elastic Actuator with High Compliance for Serial Manipulators. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
199	A Joint Torque Redistribution Approach for Energy Efficient Electrical Quadruped Robot. , 2019, , .		1
200	Salient object detection with adversarial training. IET Image Processing, 2019, 13, 2859-2865.	1.4	1
201	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
202	Design of a Novel Quadruped Robot Based on Tensegrity Structures. , 2021, , .		1
203	CFD modeling of the turbulent dispersion of liquid droplets in a vessel using a correlation based on local droplet size distribution. Chemical Engineering Communications, 0, , 1-16.	1.5	1
204	Anti-swing control for a double-pendulum offshore boom crane with ship roll and heave movements. , 2020, , .		1
205	A Multi-model Human Motion Tracking Approach with Wearable IMU Sensors. , 2020, , .		1
206	Trotting and Pacing Locomotion of a Position-Controlled Quadruped Robot. , 2021, , .		1
207	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
208	Whole-body Motion Planning and Control for Underactuated Wheeled-bipedal Robots. , 2021, , .		1
209	Vision-based Terrain Perception of Quadruped Robots in Complex Environments. , 2021, , .		1
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