En Li

List of Publications by Year in descending order

52 papers	1,614 citations	471371 17 h-index	454834 30 g-index
52 all docs	52 docs citations	52 times ranked	1012 citing authors

#	ARTICLE	IF	CITATIONS
1	Apple detection during different growth stages in orchards using the improved YOLO-V3 model. Computers and Electronics in Agriculture, 2019, 157, 417-426.	3.7	639
2	A Review on State-of-the-Art Power Line Inspection Techniques. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9350-9365.	2.4	141
3	Detection of Apple Lesions in Orchards Based on Deep Learning Methods of CycleGAN and YOLOV3-Dense. Journal of Sensors, 2019, 2019, 1-13.	0.6	110
4	Instance segmentation of apple flowers using the improved mask R–CNN model. Biosystems Engineering, 2020, 193, 264-278.	1.9	95
5	A Novel 3-D Path Extraction Method for Arc Welding Robot Based on Stereo Structured Light Sensor. IEEE Sensors Journal, 2019, 19, 763-773.	2.4	59
6	A welding quality detection method for arc welding robot based on 3D reconstruction with SFS algorithm. International Journal of Advanced Manufacturing Technology, 2018, 94, 1209-1220.	1.5	54
7	A nondestructive automatic defect detection method with pixelwise segmentation. Knowledge-Based Systems, 2022, 242, 108338.	4.0	41
8	Novel Feature Fusion Module-Based Detector for Small Insulator Defect Detection. IEEE Sensors Journal, 2021, 21, 16807-16814.	2.4	40
9	A High-Speed Seam Extraction Method Based on the Novel Structured-Light Sensor for Arc Welding Robot: A Review. IEEE Sensors Journal, 2018, 18, 8631-8641.	2.4	39
10	Energy-based balance control approach to the ball and beam system. International Journal of Control, 2009, 82, 981-992.	1.2	33
11	A Vibration Control Method for Hybrid-Structured Flexible Manipulator Based on Sliding Mode Control and Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 841-852.	7.2	33
12	High-Voltage Power Transmission Tower Detection Based on Faster R-CNN and YOLO-V3. , 2019, , .		29
13	Image Denoising of Seam Images With Deep Learning for Laser Vision Seam Tracking. IEEE Sensors Journal, 2022, 22, 6098-6107.	2.4	27
14	Efficient Parallel Branch Network With Multi-Scale Feature Fusion for Real-Time Overhead Power Line Segmentation. IEEE Sensors Journal, 2021, 21, 12220-12227.	2.4	22
15	Automatic Detection and Location of Weld Beads With Deep Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	21
16	Design and Tension Modeling of a Novel Cable-Driven Rigid Snake-Like Manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 211-228.	2.0	19
17	A Review of the Methods on Cobb Angle Measurements for Spinal Curvature. Sensors, 2022, 22, 3258.	2.1	19
18	Diagnosis of Typical Apple Diseases: A Deep Learning Method Based on Multi-Scale Dense Classification Network. Frontiers in Plant Science, 2021, 12, 698474.	1.7	18

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19	Insulator Segmentation for Power Line Inspection Based on Modified Conditional Generative Adversarial Network. Journal of Sensors, 2019, 2019, 1-8.	0.6	17
20	Vision-Based Power Line Segmentation With an Attention Fusion Network. IEEE Sensors Journal, 2022, 22, 8196-8205.	2.4	17
21	Toward a Cluttered Environment for Learning-Based Multi-Scale Overhead Ground Wire Recognition. Neural Processing Letters, 2018, 48, 1789-1800.	2.0	16
22	An Automatic Deep Segmentation Network for Pixel-Level Welding Defect Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	15
23	PLE-Net: Automatic power line extraction method using deep learning from aerial images. Expert Systems With Applications, 2022, 198, 116771.	4.4	14
24	Automatic extraction and identification of narrow butt joint based on ANFIS before GMAW. International Journal of Advanced Manufacturing Technology, 2019, 100, 609-622.	1.5	12
25	Environment Perception Technologies for Power Transmission Line Inspection Robots. Journal of Sensors, 2021, 2021, 1-16.	0.6	9
26	Modeling and analysis of wireless power transmission system for inspection robot. , 2013, , .		8
27	An Obstacles Avoidance Algorithm Based on Improved Artificial Potential Field. , 2020, , .		8
28	Design and its visual servoing control of an inspection robot for power transmission lines. , 2013, , .		7
29	Design of an Inspection Robot System with Hybrid Operation Modes for Power Transmission Lines. , 2019, , .		7
30	A novel model analysis method and dynamic modelling for hybrid structure flexible manipulator. , 2016, , .		5
31	An image processing method for green apple lesion detection in natural environment based on GA-BPNN and SVM. , 2018, , .		5
32	Design of a Dual-core Processor Based Controller with RTOS-GPOS Dual Operating System. , 2019, , .		5
33	Modeling and control of a bi-brachiate inspection robot for power transmission lines. , 2010, , .		4
34	A novel measurement and control method for automatic plastering machine. , 2015, , .		4
35	Object Reconstruction with Deep Learning: A Survey. , 2019, , .		3
36	Object Reconstruction Based on Attentive Recurrent Network from Single and Multiple Images. Neural Processing Letters, 2021, 53, 653-670.	2.0	3

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37	End-Effector Pose Estimation in Complex Environments Using Complementary Enhancement and Adaptive Fusion of Multisensor. Journal of Sensors, 2021, 2021, 1-18.	0.6	3
38	A Cable-Driven Hyperredundant Manipulator: Obstacle-Avoidance Path Planning and Tension Optimization. IEEE Robotics and Automation Magazine, 2022, 29, 107-126.	2.2	3
39	Adaptive neural network control of an aerial work platform's arm. , 2012, , .		2
40	Design, control and planning for a crustal movement simulation system. , 2014, , .		2
41	Design of the tip state estimator for hybrid-structured flexible manipulator based on SDFT and FLAKF. Assembly Automation, 2018, 38, 576-586.	1.0	2
42	Analysis and Design of an Effective Light Interference Methane Sensor Based on Three-Dimensional Optical Path Model. Journal of Sensors, 2018, 2018, 1-11.	0.6	2
43	The novel control method for the adit data collection system. , 2016, , .		1
44	Corrections to â€œA High-Speed Seam Extraction Method Based on the Novel Structured-Light Sensor for Arc Welding Robot: A Reviewâ€. IEEE Sensors Journal, 2019, 19, 1590-1590.	2.4	1
45	Implementation and experimental study on the control system of the stewart platform model of FAST. , 2013, , .		0
46	Kinematics and dynamics modelling of all terrain articulated tracked vehicles. , 2016, , .		0
47	Pipeline Scene Reconstruction Based on Image Mosaicing. , 2018, , .		0
48	Learning Single-view Object Reconstruction with Scaling Volume-View Supervision. , 2020, , .		0
49	Environmental Monitoring System Based on Hybrid Mode Network Structure. , 2021, , .		0
50	Diagnosis of Typical Apple Diseases: A Deep Learning Method Based on Multi-Scale Dense Classification Network. Frontiers in Plant Science, 2021, 12, 698474.	1.7	0
51	Design of A Real-time Three-electrode Cylindrical Conductivity Sensor. , 2020, , .		0
52	An Active and Adaptive Image Enhancement Method for Applications in Low-Light and Narrow Environment. , 2020, , .		0