

En Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4508102/publications.pdf>

Version: 2024-02-01

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 | A Cable-Driven Hyperredundant Manipulator: Obstacle-Avoidance Path Planning and Tension Optimization. IEEE Robotics and Automation Magazine, 2022, 29, 107-126. | 2.2 | 3 |
| 2 | An Automatic Deep Segmentation Network for Pixel-Level Welding Defect Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10. | 2.4 | 15 |
| 3 | Image Denoising of Seam Images With Deep Learning for Laser Vision Seam Tracking. IEEE Sensors Journal, 2022, 22, 6098-6107. | 2.4 | 27 |
| 4 | A nondestructive automatic defect detection method with pixelwise segmentation. Knowledge-Based Systems, 2022, 242, 108338. | 4.0 | 41 |
| 5 | Vision-Based Power Line Segmentation With an Attention Fusion Network. IEEE Sensors Journal, 2022, 22, 8196-8205. | 2.4 | 17 |
| 6 | PLE-Net: Automatic power line extraction method using deep learning from aerial images. Expert Systems With Applications, 2022, 198, 116771. | 4.4 | 14 |
| 7 | A Review of the Methods on Cobb Angle Measurements for Spinal Curvature. Sensors, 2022, 22, 3258. | 2.1 | 19 |
| 8 | 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 |
| 9 | Object Reconstruction Based on Attentive Recurrent Network from Single and Multiple Images. Neural Processing Letters, 2021, 53, 653-670. | 2.0 | 3 |
| 10 | Environment Perception Technologies for Power Transmission Line Inspection Robots. Journal of Sensors, 2021, 2021, 1-16. | 0.6 | 9 |
| 11 | 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 |
| 12 | Environmental Monitoring System Based on Hybrid Mode Network Structure. , 2021, , . | | 0 |
| 13 | Novel Feature Fusion Module-Based Detector for Small Insulator Defect Detection. IEEE Sensors Journal, 2021, 21, 16807-16814. | 2.4 | 40 |
| 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 | 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 |
| 17 | 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 |
| 18 | Learning Single-view Object Reconstruction with Scaling Volume-View Supervision. , 2020, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | An Obstacles Avoidance Algorithm Based on Improved Artificial Potential Field. , 2020, , . | | 8 |
| 20 | A Review on State-of-the-Art Power Line Inspection Techniques. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9350-9365. | 2.4 | 141 |
| 21 | 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 |
| 22 | Instance segmentation of apple flowers using the improved mask R  CNN model. Biosystems Engineering, 2020, 193, 264-278. | 1.9 | 95 |
| 23 | Design of A Real-time Three-electrode Cylindrical Conductivity Sensor. , 2020, , . | | 0 |
| 24 | An Active and Adaptive Image Enhancement Method for Applications in Low-Light and Narrow Environment. , 2020, , . | | 0 |
| 25 | Design of an Inspection Robot System with Hybrid Operation Modes for Power Transmission Lines. , 2019, , . | | 7 |
| 26 | High-Voltage Power Transmission Tower Detection Based on Faster R-CNN and YOLO-V3. , 2019, , . | | 29 |
| 27 | Design of a Dual-core Processor Based Controller with RTOS-GPOS Dual Operating System. , 2019, , . | | 5 |
| 28 | 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 |
| 29 | 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 |
| 30 | Corrections to ‘‘A High-Speed Seam Extraction Method Based on the Novel Structured-Light Sensor for Arc Welding Robot: A Review’’ IEEE Sensors Journal, 2019, 19, 1590-1590. | 2.4 | 1 |
| 31 | Object Reconstruction with Deep Learning: A Survey. , 2019, , . | | 3 |
| 32 | Insulator Segmentation for Power Line Inspection Based on Modified Conditional Generative Adversarial Network. Journal of Sensors, 2019, 2019, 1-8. | 0.6 | 17 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | Toward a Cluttered Environment for Learning-Based Multi-Scale Overhead Ground Wire Recognition. Neural Processing Letters, 2018, 48, 1789-1800. | 2.0 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Design of the tip state estimator for hybrid-structured flexible manipulator based on SDFT and FLAKF. <i>Assembly Automation</i> , 2018, 38, 576-586. | 1.0 | 2 |
| 38 | An image processing method for green apple lesion detection in natural environment based on GA-BPNN and SVM. , 2018, , . | | 5 |
| 39 | Analysis and Design of an Effective Light Interference Methane Sensor Based on Three-Dimensional Optical Path Model. <i>Journal of Sensors</i> , 2018, 2018, 1-11. | 0.6 | 2 |
| 40 | Pipeline Scene Reconstruction Based on Image Mosaicing. , 2018, , . | | 0 |
| 41 | A High-Speed Seam Extraction Method Based on the Novel Structured-Light Sensor for Arc Welding Robot: A Review. <i>IEEE Sensors Journal</i> , 2018, 18, 8631-8641. | 2.4 | 39 |
| 42 | A novel model analysis method and dynamic modelling for hybrid structure flexible manipulator. , 2016, , . | | 5 |
| 43 | Kinematics and dynamics modelling of all terrain articulated tracked vehicles. , 2016, , . | | 0 |
| 44 | The novel control method for the adit data collection system. , 2016, , . | | 1 |
| 45 | A novel measurement and control method for automatic plastering machine. , 2015, , . | | 4 |
| 46 | Design, control and planning for a crustal movement simulation system. , 2014, , . | | 2 |
| 47 | Modeling and analysis of wireless power transmission system for inspection robot. , 2013, , . | | 8 |
| 48 | Design and its visual servoing control of an inspection robot for power transmission lines. , 2013, , . | | 7 |
| 49 | Implementation and experimental study on the control system of the stewart platform model of FAST. , 2013, , . | | 0 |
| 50 | Adaptive neural network control of an aerial work platform's arm. , 2012, , . | | 2 |
| 51 | Modeling and control of a bi-brachiate inspection robot for power transmission lines. , 2010, , . | | 4 |
| 52 | Energy-based balance control approach to the ball and beam system. <i>International Journal of Control</i> , 2009, 82, 981-992. | 1.2 | 33 |