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List of Publications by Year in descending order

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415
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#	ARTICLE	IF	CITATIONS
1	An Automatic Deep Segmentation Network for Pixel-Level Welding Defect Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	15
2	Image Denoising of Seam Images With Deep Learning for Laser Vision Seam Tracking. IEEE Sensors Journal, 2022, 22, 6098-6107.	4.7	27
3	Image Segmentation of Cabin Assembly Scene Based on Improved RGB-D Mask R-CNN. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	10
4	Vision-Based Power Line Segmentation With an Attention Fusion Network. IEEE Sensors Journal, 2022, 22, 8196-8205.	4.7	17
5	PLE-Net: Automatic power line extraction method using deep learning from aerial images. Expert Systems With Applications, 2022, 198, 116771.	7.6	14
6	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.	11.3	33
7	Seam Feature Point Acquisition Based on Efficient Convolution Operator and Particle Filter in GMAW. IEEE Transactions on Industrial Informatics, 2021, 17, 1220-1230.	11.3	18
8	Automatic 3D Seam Extraction Method for Welding Robot Based on Monocular Structured Light. IEEE Sensors Journal, 2021, 21, 16359-16370.	4.7	18
9	Analysis of the Total Orientation Workspace of a Type of n-PPPS Parallel Manipulator. , 2021, , .		0
10	Efficient and Accurate Start Point Guiding and Seam Tracking Method for Curve Weld Based on Structure Light. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	14
11	Automatic Detection and Location of Weld Beads With Deep Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	21
12	A Fast and Robust Seam Tracking Method for Spatial Circular Weld Based on Laser Visual Sensor. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	7
13	Inspection of Welding Defect Based on Multi-feature Fusion and a Convolutional Network. Journal of Nondestructive Evaluation, 2021, 40, 1.	2.4	19
14	Model-based Pose Measurement Using Structured Light Vision Sensor for a Target with Reflective Surface. , 2021, , .		0
15	An Initial Point Alignment and Seam-Tracking System for Narrow Weld. IEEE Transactions on Industrial Informatics, 2020, 16, 877-886.	11.3	49
16	A structured light vision sensor for on-line weld bead measurement and weld quality inspection. International Journal of Advanced Manufacturing Technology, 2020, 106, 2065-2078.	3.0	43
17	A Review on State-of-the-Art Power Line Inspection Techniques. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9350-9365.	4.7	141
18	An Efficient Calibration Method of Line Structured Light Vision Sensor in Robotic Eye-in-Hand System. IEEE Sensors Journal, 2020, 20, 6200-6208.	4.7	26

#	ARTICLE	IF	CITATIONS
19	Implementation of a FPGA-ARM-based Canny Edge Detection System. , 2019, , .		3
20	A pose estimation system based on deep neural network and ICP registration for robotic spray painting application. International Journal of Advanced Manufacturing Technology, 2019, 104, 285-299.	3.0	19
21	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.	4.7	1
22	Object Pose Estimation Based on RGB-D Sensor for Cooperative Spray Painting Robot. , 2019, , .		0
23	An initial point alignment method of narrow weld using laser vision sensor. International Journal of Advanced Manufacturing Technology, 2019, 102, 201-212.	3.0	9
24	A Novel 3-D Path Extraction Method for Arc Welding Robot Based on Stereo Structured Light Sensor. IEEE Sensors Journal, 2019, 19, 763-773.	4.7	59
25	A Precise Initial Weld Point Guiding Method of Micro-Gap Weld Based on Structured Light Vision Sensor. IEEE Sensors Journal, 2019, 19, 322-331.	4.7	47
26	Automatic extraction and identification of narrow butt joint based on ANFIS before GMAW. International Journal of Advanced Manufacturing Technology, 2019, 100, 609-622.	3.0	12
27	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.	3.0	54
28	Design of the tip state estimator for hybrid-structured flexible manipulator based on SDFT and FLAKF. Assembly Automation, 2018, 38, 576-586.	1.7	2
29	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.	4.7	39
30	Automatic recognition system of welding seam type based on SVM method. International Journal of Advanced Manufacturing Technology, 2017, 92, 989-999.	3.0	58
31	Dimensional inspecting system of shaft parts based on machine vision. , 2017, , .		3
32	A simple calibration method of structured light plane parameters for welding robots. , 2016, , .		17