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## List of Publications by Year in descending order

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32  
papers

795  
citations

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docs citations

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415  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on State-of-the-Art Power Line Inspection Techniques. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9350-9365.	4.7	141
2	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
3	Automatic recognition system of welding seam type based on SVM method. International Journal of Advanced Manufacturing Technology, 2017, 92, 989-999.	3.0	58
4	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
5	An Initial Point Alignment and Seam-Tracking System for Narrow Weld. IEEE Transactions on Industrial Informatics, 2020, 16, 877-886.	11.3	49
6	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
7	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
8	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
9	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
10	Image Denoising of Seam Images With Deep Learning for Laser Vision Seam Tracking. IEEE Sensors Journal, 2022, 22, 6098-6107.	4.7	27
11	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
12	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
13	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
14	Inspection of Welding Defect Based on Multi-feature Fusion and a Convolutional Network. Journal of Nondestructive Evaluation, 2021, 40, 1.	2.4	19
15	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
16	Automatic 3D Seam Extraction Method for Welding Robot Based on Monocular Structured Light. IEEE Sensors Journal, 2021, 21, 16359-16370.	4.7	18
17	A simple calibration method of structured light plane parameters for welding robots. , 2016, , .		17
18	Vision-Based Power Line Segmentation With an Attention Fusion Network. IEEE Sensors Journal, 2022, 22, 8196-8205.	4.7	17

#	ARTICLE	IF	CITATIONS
19	An Automatic Deep Segmentation Network for Pixel-Level Welding Defect Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	15
20	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
21	PLE-Net: Automatic power line extraction method using deep learning from aerial images. Expert Systems With Applications, 2022, 198, 116771.	7.6	14
22	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
23	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
24	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
25	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
26	Dimensional inspecting system of shaft parts based on machine vision. , 2017, , .		3
27	Implementation of a FPGA-ARM-based Canny Edge Detection System. , 2019, , .		3
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	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
30	Object Pose Estimation Based on RGB-D Sensor for Cooperative Spray Painting Robot. , 2019, , .		0
31	Analysis of the Total Orientation Workspace of a Type of n-PPPS Parallel Manipulator. , 2021, , .		0
32	Model-based Pose Measurement Using Structured Light Vision Sensor for a Target with Reflective Surface. , 2021, , .		0