

# Yantao Yu

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7372289/yantao-yu-publications-by-citations.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23  
papers

942  
citations

13  
h-index

23  
g-index

23  
ext. papers

1,322  
ext. citations

6.8  
avg, IF

4.86  
L-index

#	Paper	IF	Citations
23	Automatic Pixel-Level Crack Detection and Measurement Using Fully Convolutional Network. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2018</b> , 33, 1090-1109	8.4	229
22	Visualization technology-based construction safety management: A review. <i>Automation in Construction</i> , <b>2017</b> , 73, 135-144	9.6	162
21	A deep learning-based method for detecting non-certified work on construction sites. <i>Advanced Engineering Informatics</i> , <b>2018</b> , 35, 56-68	7.4	73
20	An experimental study of real-time identification of construction workers' unsafe behaviors. <i>Automation in Construction</i> , <b>2017</b> , 82, 193-206	9.6	68
19	An automatic and non-invasive physical fatigue assessment method for construction workers. <i>Automation in Construction</i> , <b>2019</b> , 103, 1-12	9.6	53
18	Towards efficient and objective work sampling: Recognizing workers' activities in site surveillance videos with two-stream convolutional networks. <i>Automation in Construction</i> , <b>2018</b> , 94, 360-370	9.6	53
17	Capturing and Understanding Workers' Activities in Far-Field Surveillance Videos with Deep Action Recognition and Bayesian Nonparametric Learning. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2019</b> , 34, 333-351	8.4	47
16	The availability of wearable-device-based physical data for the measurement of construction workers' psychological status on site: From the perspective of safety management. <i>Automation in Construction</i> , <b>2017</b> , 82, 207-217	9.6	42
15	Wearable insole pressure system for automated detection and classification of awkward working postures in construction workers. <i>Automation in Construction</i> , <b>2018</b> , 96, 433-441	9.6	42
14	Joint-Level Vision-Based Ergonomic Assessment Tool for Construction Workers. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2019</b> , 145, 04019025	4.2	33
13	Image-and-Skeleton-Based Parameterized Approach to Real-Time Identification of Construction Workers' Unsafe Behaviors. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2018</b> , 144, 04018042	4.2	32
12	Automatic Biomechanical Workload Estimation for Construction Workers by Computer Vision and Smart Insoles. <i>Journal of Computing in Civil Engineering</i> , <b>2019</b> , 33, 04019010	5	22
11	Quantifying the physical intensity of construction workers, a mechanical energy approach. <i>Advanced Engineering Informatics</i> , <b>2018</b> , 38, 404-419	7.4	20
10	Construction Activity Recognition and Ergonomic Risk Assessment Using a Wearable Insole Pressure System. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2020</b> , 146, 04020077	4.2	13
9	Automated PPE-Tool pair check system for construction safety using smart IoT. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101721	5.2	13
8	Posture-related data collection methods for construction workers: A review. <i>Automation in Construction</i> , <b>2021</b> , 124, 103538	9.6	13
7	Combining deep features and activity context to improve recognition of activities of workers in groups. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2020</b> , 35, 965-978	8.4	12

6	Motion-based analysis for construction workers using biomechanical methods. <i>Frontiers of Engineering Management</i> , <b>2017</b> , 4, 84	2.7	6
5	Estimating Construction Workers' Physical Workload by Fusing Computer Vision and Smart Insole Technologies <b>2018</b> ,		5
4	. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 1740-1748	10.7	2
3	Quantifying the Effect of Mental Stress on Physical Stress for Construction Tasks. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2022</b> , 148,	4.2	1
2	Automated Selection and Localization of Mobile Cranes in Construction Planning. <i>Buildings</i> , <b>2022</b> , 12, 580	3.2	1
1	Heart rate variability based physical exertion monitoring for manual material handling tasks. <i>International Journal of Industrial Ergonomics</i> , <b>2022</b> , 89, 103301	2.9	0