

# Yantao Yu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7372289/publications.pdf>

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23  
papers

1,743  
citations

471061

17  
h-index

676716

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1174  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Pixel-Level Crack Detection and Measurement Using Fully Convolutional Network. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 1090-1109.	6.3	470
2	Visualization technology-based construction safety management: A review. Automation in Construction, 2017, 73, 135-144.	4.8	247
3	A deep learning-based method for detecting non-certified work on construction sites. Advanced Engineering Informatics, 2018, 35, 56-68.	4.0	109
4	An automatic and non-invasive physical fatigue assessment method for construction workers. Automation in Construction, 2019, 103, 1-12.	4.8	109
5	An experimental study of real-time identification of construction workers' unsafe behaviors. Automation in Construction, 2017, 82, 193-206.	4.8	101
6	Wearable insole pressure system for automated detection and classification of awkward working postures in construction workers. Automation in Construction, 2018, 96, 433-441.	4.8	93
7	Towards efficient and objective work sampling: Recognizing workers' activities in site surveillance videos with two-stream convolutional networks. Automation in Construction, 2018, 94, 360-370.	4.8	90
8	Capturing and Understanding Workers' Activities in Field Surveillance Videos with Deep Action Recognition and Bayesian Nonparametric Learning. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 333-351.	6.3	78
9	The availability of wearable-device-based physical data for the measurement of construction workers' psychological status on site: From the perspective of safety management. Automation in Construction, 2017, 82, 207-217.	4.8	74
10	Joint-Level Vision-Based Ergonomic Assessment Tool for Construction Workers. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	51
11	Image-and-Skeleton-Based Parameterized Approach to Real-Time Identification of Construction Workers' Unsafe Behaviors. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	48
12	Automated PPE-Tool pair check system for construction safety using smart IoT. Journal of Building Engineering, 2020, 32, 101721.	1.6	47
13	Construction Activity Recognition and Ergonomic Risk Assessment Using a Wearable Insole Pressure System. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	41
14	Automatic Biomechanical Workload Estimation for Construction Workers by Computer Vision and Smart Insoles. Journal of Computing in Civil Engineering, 2019, 33, .	2.5	37
15	Combining deep features and activity context to improve recognition of activities of workers in groups. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 965-978.	6.3	34
16	Posture-related data collection methods for construction workers: A review. Automation in Construction, 2021, 124, 103538.	4.8	32
17	Quantifying the physical intensity of construction workers, a mechanical energy approach. Advanced Engineering Informatics, 2018, 38, 404-419.	4.0	28
18	Estimating Construction Workers' Physical Workload by Fusing Computer Vision and Smart Insole Technologies. , 2018, , .		14

#	ARTICLE	IF	CITATIONS
19	Quantifying the Effect of Mental Stress on Physical Stress for Construction Tasks. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	2.0	10
20	Motion-based analysis for construction workers using biomechanical methods. Frontiers of Engineering Management, 2017, 4, 84.	3.3	9
21	Three-Dimensional Working Pose Estimation in Industrial Scenarios With Monocular Camera. IEEE Internet of Things Journal, 2021, 8, 1740-1748.	5.5	8
22	Heart rate variability based physical exertion monitoring for manual material handling tasks. International Journal of Industrial Ergonomics, 2022, 89, 103301.	1.5	7
23	Automated Selection and Localization of Mobile Cranes in Construction Planning. Buildings, 2022, 12, 580.	1.4	6