Yantao Yu

List of Publications by Year in descending order

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

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23	1,743	471061 17	676716 22
papers	citations	h-index	g-index

23	23	23	1174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantifying the Effect of Mental Stress on Physical Stress for Construction Tasks. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	2.0	10
2	Automated Selection and Localization of Mobile Cranes in Construction Planning. Buildings, 2022, 12, 580.	1.4	6
3	Heart rate variability based physical exertion monitoring for manual material handling tasks. International Journal of Industrial Ergonomics, 2022, 89, 103301.	1.5	7
4	Three-Dimensional Working Pose Estimation in Industrial Scenarios With Monocular Camera. IEEE Internet of Things Journal, 2021, 8, 1740-1748.	5.5	8
5	Posture-related data collection methods for construction workers: A review. Automation in Construction, 2021, 124, 103538.	4.8	32
6	Automated PPE-Tool pair check system for construction safety using smart IoT. Journal of Building Engineering, 2020, 32, 101721.	1.6	47
7	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
8	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
9	An automatic and non-invasive physical fatigue assessment method for construction workers. Automation in Construction, 2019, 103, 1-12.	4.8	109
10	Joint-Level Vision-Based Ergonomic Assessment Tool for Construction Workers. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	51
11	Automatic Biomechanical Workload Estimation for Construction Workers by Computer Vision and Smart Insoles. Journal of Computing in Civil Engineering, 2019, 33, .	2.5	37
12	Capturing and Understanding Workersâ€™ Activities in Farâ€Field Surveillance Videos with Deep Action Recognition and Bayesian Nonparametric Learning. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 333-351.	6.3	78
13	Image-and-Skeleton-Based Parameterized Approach to Real-Time Identification of Construction Workersâ€™ Unsafe Behaviors. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	48
14	A deep learning-based method for detecting non-certified work on construction sites. Advanced Engineering Informatics, 2018, 35, 56-68.	4.0	109
15	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
16	Quantifying the physical intensity of construction workers, a mechanical energy approach. Advanced Engineering Informatics, 2018, 38, 404-419.	4.0	28
17	Automatic Pixelâ€Level Crack Detection and Measurement Using Fully Convolutional Network. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 1090-1109.	6.3	470
18	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

#	ARTICLE	IF	CITATIONS
19	Estimating Construction Workers' Physical Workload by Fusing Computer Vision and Smart Insole Technologies. , 2018, , .		14
20	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
21	An experimental study of real-time identification of construction workers' unsafe behaviors. Automation in Construction, 2017, 82, 193-206.	4.8	101
22	Visualization technology-based construction safety management: A review. Automation in Construction, 2017, 73, 135-144.	4.8	247
23	Motion-based analysis for construction workers using biomechanical methods. Frontiers of Engineering Management, 2017, 4, 84.	3.3	9