

# Joonoh Seo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4970427/publications.pdf>

Version: 2024-02-01

36  
papers

1,610  
citations

361045

20  
h-index

454577

30  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1010  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer vision techniques for construction safety and health monitoring. <i>Advanced Engineering Informatics</i> , 2015, 29, 239-251.	4.0	349
2	Biomechanical analysis of risk factors for work-related musculoskeletal disorders during repetitive lifting task in construction workers. <i>Automation in Construction</i> , 2017, 83, 41-47.	4.8	130
3	Recognizing Diverse Construction Activities in Site Images via Relevance Networks of Construction-Related Objects Detected by Convolutional Neural Networks. <i>Journal of Computing in Civil Engineering</i> , 2018, 32, .	2.5	116
4	Feasibility analysis of heart rate monitoring of construction workers using a photoplethysmography (PPG) sensor embedded in a wristband-type activity tracker. <i>Automation in Construction</i> , 2016, 71, 372-381.	4.8	95
5	Automated Action Recognition Using an Accelerometer-Embedded Wristband-Type Activity Tracker. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	89
6	An Automated Biomechanical Simulation Approach to Ergonomic Job Analysis for Workplace Design. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015, 141, .	2.0	76
7	Development of ergonomic posture recognition technique based on 2D ordinary camera for construction hazard prevention through view-invariant features in 2D skeleton motion. <i>Advanced Engineering Informatics</i> , 2017, 34, 152-163.	4.0	72
8	Motion Data-Driven Biomechanical Analysis during Construction Tasks on Sites. <i>Journal of Computing in Civil Engineering</i> , 2015, 29, .	2.5	68
9	Towards database-free vision-based monitoring on construction sites: A deep active learning approach. <i>Automation in Construction</i> , 2020, 120, 103376.	4.8	52
10	Automated detection and classification of construction workers' loss of balance events using wearable insole pressure sensors. <i>Automation in Construction</i> , 2018, 96, 189-199.	4.8	50
11	Simulation-Based Assessment of Workers'™ Muscle Fatigue and Its Impact on Construction Operations. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016, 142, .	2.0	44
12	Sensing and warning-based technology applications to improve occupational health and safety in the construction industry. <i>Engineering, Construction and Architectural Management</i> , 2019, 26, 1534-1552.	1.8	43
13	VR-Based investigation of forklift operator situation awareness for preventing collision accidents. <i>Accident Analysis and Prevention</i> , 2020, 136, 105404.	3.0	38
14	A STUDY ON THE DEVELOPMENT OF A COST MODEL BASED ON THE OWNER'S DECISION MAKING AT THE EARLY STAGES OF A CONSTRUCTION PROJECT. <i>International Journal of Strategic Property Management</i> , 2010, 14, 121-137.	0.8	37
15	Effectiveness of Immersive Virtual Reality-based Communication for Construction Projects. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 4972-4983.	0.9	32
16	Transaction-Cost-Based Selection of Appropriate General Contractor-Subcontractor Relationship Type. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009, 135, 1232-1240.	2.0	31
17	Automated postural ergonomic risk assessment using vision-based posture classification. <i>Automation in Construction</i> , 2021, 128, 103725.	4.8	30
18	End-Users'™ Augmented Reality Utilization for Architectural Design Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5363.	1.3	29

#	ARTICLE	IF	CITATIONS
19	Impact of Mobile Augmented Reality System on Cognitive Behavior and Performance during Rebar Inspection Tasks. <i>Journal of Computing in Civil Engineering</i> , 2020, 34, .	2.5	25
20	Identification of potential biomechanical risk factors for low back disorders during repetitive rebar lifting. <i>Construction Innovation</i> , 2018, 18, .	1.5	22
21	Towards a well-planned, activity-based work environment: Automated recognition of office activities using accelerometers. <i>Building and Environment</i> , 2018, 144, 86-93.	3.0	21
22	A comparative study of in-field motion capture approaches for body kinematics measurement in construction. <i>Robotica</i> , 2019, 37, 928-946.	1.3	19
23	Action Recognition Using a Wristband-Type Activity Tracker: Case Study of Masonry Work. , 2016, , .		16
24	Effects of different weights and lifting postures on balance control following repetitive lifting tasks in construction workers. <i>International Journal of Building Pathology and Adaptation</i> , 2017, 35, 247-263.	0.7	16
25	Development of training image database using web crawling for vision-based site monitoring. <i>Automation in Construction</i> , 2022, 135, 104141.	4.8	16
26	Automated Postural Ergonomic Assessment Using a Computer Vision-Based Posture Classification. , 2016, , .		13
27	BIM-Based Spatial Augmented Reality (SAR) for Architectural Design Collaboration: A Proof of Concept. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5915.	1.3	13
28	Validity and reliability of a wearable insole pressure system for measuring gait parameters to identify safety hazards in construction. <i>Engineering, Construction and Architectural Management</i> , 2021, 28, 1761-1779.	1.8	13
29	A Stereo Vision-Based Approach to Marker-Less Motion Capture for On-Site Kinematic Modeling of Construction Worker Tasks. , 2014, , .		10
30	Physiology-based dynamic muscle fatigue model for upper limbs during construction tasks. <i>International Journal of Industrial Ergonomics</i> , 2020, 78, 102984.	1.5	10
31	Synthetic Image Dataset Development for Vision-Based Construction Equipment Detection. <i>Journal of Computing in Civil Engineering</i> , 2022, 36, .	2.5	10
32	Wearable Insole Pressure Sensors for Automated Detection and Classification of Slip-Trip-Loss of Balance Events in Construction Workers. , 2018, , .		7
33	Challenges and Opportunities of Understanding Construction Workers'™ Physical Demands through Field Energy Expenditure Measurements Using a Wearable Activity Tracker. , 2016, , .		6
34	Wearable acceleration-based action recognition for long-term and continuous activity analysis in construction site. <i>Journal of Building Engineering</i> , 2022, 52, 104448.	1.6	6
35	Dynamic Biomechanical Analysis for Construction Tasks Using Motion Data from Vision-Based Motion Capture Approaches. , 2014, , .		4
36	Beacon-Based Individualized Hazard Alarm System for Construction Sites: An Experimental Study on Sensor Deployment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11654.	1.3	0