

Sungjoo Hwang

List of Publications by Year in Descending Order

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

40
papers

825
citations

14
h-index

28
g-index

42
ext. papers

1,101
ext. citations

5.2
avg, IF

4.82
L-index

#	Paper	IF	Citations
40	Extended technology acceptance model to explain the mechanism of modular construction adoption. <i>Journal of Cleaner Production</i> , 2022 , 342, 130963	10.3	3
39	The Feasibility of Information-Entropy-Based Behavioral Analysis for Detecting Environmental Barriers. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
38	Relationship between rework of engineering drawing tasks and stress level measured from physiological signals. <i>Automation in Construction</i> , 2021 , 124, 103560	9.6	3
37	Agent-embedded system dynamics (aeSD) modeling approach for analyzing worker policies: a research case on construction worker absenteeism. <i>Construction Innovation</i> , 2021 , 21, 379-397	4.1	
36	Identifying shoplifting behaviors and inferring behavior intention based on human action detection and sequence analysis. <i>Advanced Engineering Informatics</i> , 2021 , 50, 101399	7.4	1
35	Understanding the impact of the walking environment on pedestrian perception and comprehension of the situation. <i>Journal of Transport and Health</i> , 2021 , 23, 101267	3	0
34	Comparison of Emergency Response Abilities and Evacuation Performance Involving Vulnerable Occupants in Building Fire Situations. <i>Sustainability</i> , 2020 , 12, 87	3.6	10
33	Physiology-based dynamic muscle fatigue model for upper limbs during construction tasks. <i>International Journal of Industrial Ergonomics</i> , 2020 , 78, 102984	2.9	4
32	Korean public rental housing for residential stability of the younger population: analysis of policy impacts using system dynamics. <i>Journal of Asian Architecture and Building Engineering</i> , 2019 , 18, 180-189 ¹		0
31	Measuring Workers' Emotional State during Construction Tasks Using Wearable EEG. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018050	4.2	73
30	Distributed and interoperable simulation for comprehensive disaster response management in facilities. <i>Automation in Construction</i> , 2018 , 93, 12-21	9.6	9
29	EEG Signal-Processing Framework to Obtain High-Quality Brain Waves from an Off-the-Shelf Wearable EEG Device. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 04017070	5	64
28	A Supervised Learning-Based Construction Workers' Stress Recognition Using a Wearable Electroencephalography (EEG) Device 2018 ,		19
27	Damage Propagation from Component Level to System Level in the Electricity Sector. <i>Journal of Infrastructure Systems</i> , 2018 , 24, 04018016	2.9	6
26	EEG-based workers' stress recognition at construction sites. <i>Automation in Construction</i> , 2018 , 93, 315-324	9.6	119
25	Feasibility of Field Measurement of Construction Workers' Valence Using a Wearable EEG Device 2017 ,		20
24	What drives construction workers' acceptance of wearable technologies in the workplace?: Indoor localization and wearable health devices for occupational safety and health. <i>Automation in Construction</i> , 2017 , 84, 31-41	9.6	96

23	Wristband-type wearable health devices to measure construction workers' physical demands. <i>Automation in Construction</i> , 2017 , 83, 330-340	9.6	60
22	DYNAMIC MODELING FOR APARTMENT BRAND MANAGEMENT IN THE HOUSING MARKET. <i>International Journal of Strategic Property Management</i> , 2017 , 21, 357-370	1.9	6
21	High Level Architecture (HLA) compliant distributed simulation platform for disaster preparedness and response in facility management 2016 ,		2
20	Understanding the Role of Dynamic Risk Perception during Fire Evacuations Using Agent-Based Modeling 2016 ,		1
19	Visualization, Information Modeling, and Simulation: Grand Challenges in the Construction Industry. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04016035	5	72
18	Hybrid Simulation Framework for Immediate Facility Restoration Planning after a Catastrophic Disaster. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016 , 142, 04016026	4.2	25
17	Automated hazardous area identification using laborers' actual and optimal routes. <i>Automation in Construction</i> , 2016 , 65, 21-32	9.6	42
16	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	8.6	59
15	Challenges and Opportunities of Understanding Construction Workers' Physical Demands through Field Energy Expenditure Measurements Using a Wearable Activity Tracker 2016 ,		4
14	Postdisaster Interdependent Built Environment Recovery Efforts and the Effects of Governmental Plans: Case Analysis Using System Dynamics. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 04014081	4.2	21
13	Productivity Forecasting of Newly Added Workers Based on Time-Series Analysis and Site Learning. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 05015008	4.2	3
12	Information Retrieval Framework for Hazard Identification in Construction. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29, 04014052	5	21
11	A Framework for Post-disaster Facility Restoration Management: Needs and Requirements for the Use of Hybrid Simulation 2014 ,		1
10	Dynamic Feasibility Analysis of the Housing Supply Strategies in a Recession: Korean Housing Market. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 148-160	4.2	5
9	Dynamic analysis of the effects of mortgage-lending policies in a real estate market. <i>Mathematical and Computer Modelling</i> , 2013 , 57, 2106-2120		11
8	Modeling the dynamics of urban development project: Focusing on self-sufficient city development. <i>Mathematical and Computer Modelling</i> , 2013 , 57, 2082-2093		14
7	Analysis of Building Emergency Evacuation Process with Interactions in Human Behaviors. <i>Korean Journal of Construction Engineering and Management</i> , 2013 , 14, 49-60		3
6	Automated Time-Series Cost Forecasting System for Construction Materials. <i>Journal of Construction Engineering and Management - ASCE</i> , 2012 , 138, 1259-1269	4.2	21

5	System Dynamics Modeling of Korean Lease Contract Chonseil. <i>Korean Journal of Construction Engineering and Management</i> , 2012 , 13, 153-164		1
4	Boost, Control, or Both of Korean Housing Market: 831 Countermeasures. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 693-701	4.2	14
3	KOREA N REAL ESTATE MARKET AND BOOSTING POLICIES: FOCUSING ON MORTGAGE LOANS. <i>International Journal of Strategic Property Management</i> , 2010 , 14, 157-172	1.9	4
2	Construction workers awareness of safety information depending on physical and mental load. <i>Journal of Asian Architecture and Building Engineering</i> ,1-11	1	4
1	Factors affecting bike-sharing system demand by inferred trip purpose: Integration of clustering of travel patterns and geospatial data analysis. <i>International Journal of Sustainable Transportation</i> ,1-14	3.6	2