Sungjoo Hwang

List of Publications by Year
in descending order

42 papers	1,384 citations	516710 16 h-index	377865 34 g-index
42 all docs	42 docs citations	42 times ranked	1065 citing authors

#	Article	IF	Citations
1	EEG-based workers' stress recognition at construction sites. Automation in Construction, 2018, 93, 315-324.	9.8	207
2	What drives construction workers' acceptance of wearable technologies in the workplace?: Indoor localization and wearable health devices for occupational safety and health. Automation in Construction, 2017, 84, 31-41.	9.8	172
3	Measuring Workers' Emotional State during Construction Tasks Using Wearable EEG. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	3.8	129
4	EEG Signal-Processing Framework to Obtain High-Quality Brain Waves from an Off-the-Shelf Wearable EEG Device. Journal of Computing in Civil Engineering, 2018, 32, .	4.7	107
5	Wristband-type wearable health devices to measure construction workers' physical demands. Automation in Construction, 2017, 83, 330-340.	9.8	106
6	Visualization, Information Modeling, and Simulation: Grand Challenges in the Construction Industry. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	102
7	Feasibility analysis of heart rate monitoring of construction workers using a photoplethysmography (PPG) sensor embedded in a wristband-type activity tracker. Automation in Construction, 2016, 71, 372-381.	9.8	95
8	Automated hazardous area identification using laborers' actual and optimal routes. Automation in Construction, 2016, 65, 21-32.	9.8	65
9	A Supervised Learning-Based Construction Workers' Stress Recognition Using a Wearable Electroencephalography (EEG) Device. , 2018, , .		33
10	Automated Time-Series Cost Forecasting System for Construction Materials. Journal of Construction Engineering and Management - ASCE, 2012, 138, 1259-1269.	3.8	30
11	Hybrid Simulation Framework for Immediate Facility Restoration Planning after a Catastrophic Disaster. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	3.8	29
12	Feasibility of Field Measurement of Construction Workers' Valence Using a Wearable EEG Device. , 2017, , .		28
13	Postdisaster Interdependent Built Environment Recovery Efforts and the Effects of Governmental Plans: Case Analysis Using System Dynamics. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	27
14	Information Retrieval Framework for Hazard Identification in Construction. Journal of Computing in Civil Engineering, 2015, 29, .	4.7	27
15	Modeling the dynamics of urban development project: Focusing on self-sufficient city development. Mathematical and Computer Modelling, 2013, 57, 2082-2093.	2.0	19
16	Boost, Control, or Both of Korean Housing Market: 831 Countermeasures. Journal of Construction Engineering and Management - ASCE, 2010, 136, 693-701.	3.8	18
17	Comparison of Emergency Response Abilities and Evacuation Performance Involving Vulnerable Occupants in Building Fire Situations. Sustainability, 2020, 12, 87.	3.2	17
18	Relationship between rework of engineering drawing tasks and stress level measured from physiological signals. Automation in Construction, 2021, 124, 103560.	9.8	17

#	Article	IF	Citations
19	Dynamic analysis of the effects of mortgage-lending policies in a real estate market. Mathematical and Computer Modelling, 2013, 57, 2106-2120.	2.0	16
20	Construction workers' awareness of safety information depending on physical and mental load. Journal of Asian Architecture and Building Engineering, 2022, 21, 1067-1077.	2.0	16
21	Factors affecting bike-sharing system demand by inferred trip purpose: Integration of clustering of travel patterns and geospatial data analysis. International Journal of Sustainable Transportation, 2022, 16, 847-860.	4.1	14
22	Extended technology acceptance model to explain the mechanism of modular construction adoption. Journal of Cleaner Production, 2022, 342, 130963.	9.3	14
23	Distributed and interoperable simulation for comprehensive disaster response management in facilities. Automation in Construction, 2018, 93, 12-21.	9.8	12
24	Physiology-based dynamic muscle fatigue model for upper limbs during construction tasks. International Journal of Industrial Ergonomics, 2020, 78, 102984.	2.6	10
25	DYNAMIC MODELING FOR APARTMENT BRAND MANAGEMENT IN THE HOUSING MARKET. International Journal of Strategic Property Management, 2017, 21, 357-370.	1.8	9
26	Damage Propagation from Component Level to System Level in the Electricity Sector. Journal of Infrastructure Systems, 2018, 24, .	1.8	7
27	Identifying shoplifting behaviors and inferring behavior intention based on human action detection and sequence analysis. Advanced Engineering Informatics, 2021, 50, 101399.	8.0	7
28	KOREA N REAL ESTATE MARKET AND BOOSTING POLICIES: FOCUSING ON MORTGAGE LOANS. International Journal of Strategic Property Management, 2010, 14, 157-172.	1.8	6
29	Dynamic Feasibility Analysis of the Housing Supply Strategies in a Recession: Korean Housing Market. Journal of Construction Engineering and Management - ASCE, 2013, 139, 148-160.	3.8	6
30	Challenges and Opportunities of Understanding Construction Workers' Physical Demands through Field Energy Expenditure Measurements Using a Wearable Activity Tracker. , 2016, , .		6
31	Understanding the impact of the walking environment on pedestrian perception and comprehension of the situation. Journal of Transport and Health, 2021, 23, 101267.	2.2	5
32	Productivity Forecasting of Newly Added Workers Based on Time-Series Analysis and Site Learning. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	4
33	High Level Architecture (HLA) compliant distributed simulation platform for disaster preparedness and response in facility management. , 2016, , .		4
34	Analysis of Building Emergency Evacuation Process with Interactions in Human Behaviors. Korean Journal of Construction Engineering and Management, 2013, 14, 49-60.	0.1	4
35	Safety Management Guidelines for Precast Concrete Production Plants Using Importance-Performance Analysis. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	3.8	4
36	Korean public rental housing for residential stability of the younger population: analysis of policy impacts using system dynamics. Journal of Asian Architecture and Building Engineering, 2019, 18, 180-189.	2.0	3

#	ARTICLE	IF	CITATIONS
37	A Framework for Post-disaster Facility Restoration Management: Needs and Requirements for the Use of Hybrid Simulation. , 2014, , .		2
38	Agent-embedded system dynamics (aeSD) modeling approach for analyzing worker policies: a research case on construction worker absenteeism. Construction Innovation, 2021, 21, 379-397.	2.7	2
39	The Feasibility of Information-Entropy-Based Behavioral Analysis for Detecting Environmental Barriers. International Journal of Environmental Research and Public Health, 2021, 18, 11727.	2.6	2
40	Korean Real Estate Market and Mortgage Lending Policies: A Quantitative Approach. , 2010, , .		1
41	Understanding the Role of Dynamic Risk Perception during Fire Evacuations Using Agent-Based Modeling. , 2016, , .		1
42	System Dynamics Modeling of Korean Lease Contract Chonsei. Korean Journal of Construction Engineering and Management, 2012, 13, 153-164.	0.1	1