Tae Wan Kim

List of Publications by Year
in descending order

38 papers	656 citations	567144 15 h-index	610775 24 g-index
38 all docs	38 docs citations	38 times ranked	499 citing authors

#	Article	IF	Citations
1	Integrated Approach to Evaluating the Effect of Indoor CO_2 Concentration on Human Cognitive Performance and Neural Responses in Office Environment. Journal of Management in Engineering - ASCE, 2022, 38, .	2.6	13
2	EEG-Based Circumplex Model of Affect for Identifying Interindividual Differences in Thermal Comfort. Journal of Management in Engineering - ASCE, 2022, 38, .	2.6	12
3	Automated Generation of Precast Concrete Slab Stacks for Transportation in Offsite Construction Projects. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	2.0	6
4	Toward productivity in future construction: mapping knowledge and finding insights for achieving successful offsite construction projects. Journal of Computational Design and Engineering, 2021, 8, 1-14.	1.5	23
5	A Typology Model of Temporary Facility Constraints for Automated Construction Site Layout Planning. Applied Sciences (Switzerland), 2021, 11, 1027.	1.3	10
6	Evaluation framework for BIM-based VR applications in design phase. Journal of Computational Design and Engineering, 2021, 8, 910-922.	1.5	19
7	Schedule Delay Leading Indicators in Precast Concrete Construction Projects: Qualitative Comparative Analysis of Korean Cases. Journal of Management in Engineering - ASCE, 2021, 37, .	2.6	17
8	Performance Optimization Studies on Heating, Cooling and Lighting Energy Systems of Buildings during the Design Stage: A Review. Sustainability, 2021, 13, 9815.	1.6	11
9	Beacon-Based Individualized Hazard Alarm System for Construction Sites: An Experimental Study on Sensor Deployment. Applied Sciences (Switzerland), 2021, 11, 11654.	1.3	0
10	The role of space attributes in space-choice behaviour and satisfaction in an academic library. Journal of Librarianship and Information Science, 2020, 52, 399-409.	1.6	12
11	Effects of Interior Color Schemes on Emotion, Task Performance, and Heart Rate in Immersive Virtual Environments. Journal of Interior Design, 2020, 45, 51-65.	0.4	20
12	Comparison of Worker Safety Risks between Onsite and Offsite Construction Methods: A Site Management Perspective. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	34
13	How do people explore a large concourse in university campus? A computational analysis. Journal of Computational Design and Engineering, 2019, 6, 666-674.	1.5	2
14	Spatial perception of ceiling height and type variation in immersive virtual environments. Building and Environment, 2019, 163, 106285.	3.0	37
15	Empirical validation of the spatial-choice modelling approach to user simulation. Architectural Science Review, 2019, 62, 313-322.	1.1	2
16	A framework for group activity detection and recognition using smartphone sensors and beacons. Building and Environment, 2019, 158, 205-216.	3.0	27
17	Ontology-Based Representations of User Activity and Flexible Space Information: Towards an Automated Space-Use Analysis in Buildings. Advances in Civil Engineering, 2019, 2019, 1-15.	0.4	5
18	Exploring the Factor-Performance Relationship of Integrated Project Delivery Projects: A Qualitative Comparative Analysis. Project Management Journal, 2019, 50, 335-345.	2.6	11

#	ARTICLE	IF	CITATIONS
19	Opportunities and challenges of modular methods in dense urban environment. International Journal of Construction Management, 2019, 19, 93-105.	2.2	62
20	Space choice, rejection and satisfaction in university campus. Indoor and Built Environment, 2018, 27, 233-243.	1.5	25
21	System Dynamic Analysis of Impacts of Government Charges on Disposal of Construction and Demolition Waste: A Hong Kong Case Study. Sustainability, 2018, 10, 1077.	1.6	27
22	Modeling space preferences for accurate occupancy prediction during the design phase. Automation in Construction, 2018, 93, 135-147.	4.8	10
23	Automated Mapping of User Activities onto Flexible Space in Space-Use Analysis. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	5
24	Modelling building users' space preferences for group work: a discrete-choice experiment. Architectural Science Review, 2017, 60, 460-471.	1.1	12
25	Linked podiums affecting street life: A case of Tuen Mun in Hong Kong. Urban Design International, 2017, 22, 47-72.	1.3	4
26	Recipes for Cost and Schedule Successes in Industrial Modular Projects: Qualitative Comparative Analysis. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	2.0	60
27	A framework for evaluating user involvement methods in architectural, engineering, and construction projects. Architectural Science Review, 2016, 59, 136-147.	1.1	21
28	Automated updating of space design requirements connecting user activities and space types. Automation in Construction, 2015, 50, 102-110.	4.8	16
29	FUZZY-BASED COMPOSITE INDICATOR DEVELOPMENT METHODOLOGY FOR EVALUATING OVERALL PROJECT PERFORMANCE. Journal of Civil Engineering and Management, 2015, 21, 343-355.	1.9	6
30	What Matters for Students' Use of Physical Library Space?. Journal of Academic Librarianship, 2015, 41, 274-279.	1.3	74
31	A Conceptual Framework of an Agent-Based Space-Use Prediction Simulation System. Journal of Construction Engineering and Project Management, 2015, 5, 12-15.	0.6	4
32	Automated Generation of User Activity–Space Pairs in Space-Use Analysis. Journal of Construction Engineering and Management - ASCE, 2014, 140, .	2.0	12
33	Ontology for Representing Building Users' Activities in Space-Use Analysis. Journal of Construction Engineering and Management - ASCE, 2014, 140, .	2.0	19
34	A knowledge-based framework for automated space-use analysis. Automation in Construction, 2013, 32, 165-176.	4.8	27
35	Practices, Challenges, and Suggestions in Predicting User Experience during the Programming Phase of Construction Projects. , 2012, , .		0
36	Productivity management methodology using productivity achievement ratio. KSCE Journal of Civil Engineering, 2011, 15, 23-31.	0.9	6

#	Article	IF	Citations
37	Research Trends in Off-Site Construction Management: Review of Literature at the Process Level. Modular and Offsite Construction (MOC) Summit Proceedings, 0, , 349-356.	0.0	4
38	Learning from Previous BIM-Based Modular Construction Cases: Qualitative Comparative Analysis Approach. Modular and Offsite Construction (MOC) Summit Proceedings, 0, , 296-302.	0.0	1