Youngchul Kim

List of Publications by Year
in descending order

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30 papers	476 citations	759233 12 h-index	713466 21 g-index
31 all docs	31 docs citations	31 times ranked	386 citing authors

#	Article	IF	Citations
1	Explainable heat-related mortality with random forest and SHapley Additive exPlanations (SHAP) models. Sustainable Cities and Society, 2022, 79, 103677.	10.4	57
2	Redesigning urban elements and structures considering autonomous vehicles: Preparing design strategies for wide implementation in cities. Cities, 2022, 123, 103595.	5.6	7
3	A street-view-based method to detect urban growth and decline: A case study of Midtown in Detroit, Michigan, USA. PLoS ONE, 2022, 17, e0263775.	2.5	12
4	Inferring land use from spatialtemporal taxi ride data. Applied Geography, 2022, 142, 102688.	3.7	8
5	Estimating urban spatial temperatures considering anthropogenic heat release factors focusing on the mobility characteristics. Sustainable Cities and Society, 2022, 85, 104073.	10.4	11
6	A framework of biophilic urbanism for improving climate change adaptability in urban environments. Urban Forestry and Urban Greening, 2021, 61, 127104.	5.3	12
7	Empirical analysis of building energy consumption and urban form in a large city: A case of Seoul, South Korea. Energy and Buildings, 2021, 245, 111046.	6.7	23
8	Auto-detection of acoustic emission signals from cracking of concrete structures using convolutional neural networks: Upscaling from specimen. Expert Systems With Applications, 2021, 186, 115863.	7.6	15
9	Accessibility of welfare facilities for elderly people in Daejeon, South Korea considering public transportation accessibility. Transportation Research Interdisciplinary Perspectives, 2021, 12, 100514.	2.7	6
10	Urban Green Accessibility Index: A Measure of Pedestrian-Centered Accessibility to Every Green Point in an Urban Area. ISPRS International Journal of Geo-Information, 2020, 9, 586.	2.9	16
11	Energy Consumption Prediction in Vietnam with an Artificial Neural Network-Based Urban Growth Model. Energies, 2020, 13, 4282.	3.1	10
12	Driversâ€™ Visual Perception Quantification Using 3D Mobile Sensor Data for Road Safety. Sensors, 2020, 20, 2763.	3.8	4
13	A Linear Programming Method for Finding a Minimal Set of Axial Lines Representing an Entire Geometry of Building and Urban Layout. Applied Sciences (Switzerland), 2020, 10, 4273.	2.5	2
14	Performance Evaluation of Control Methods for PV-Integrated Shading Devices. Energies, 2020, 13, 3171.	3.1	6
15	How do people explore a large concourse in university campus? A computational analysis. Journal of Computational Design and Engineering, 2019, 6, 666-674.	3.1	2
16	Potential of Urban Land Use by Autonomous Vehicles: Analyzing Land Use Potential in Seoul Capital Area of Korea. IEEE Access, 2019, 7, 101915-101927.	4.2	5
17	Crowd-sourced cognitive mapping: A new way of displaying peopleâ€™s cognitive perception of urban space. PLoS ONE, 2019, 14, e0218590.	2.5	17
18	A new 3D space syntax metric based on 3D isovist capture in urban space using remote sensing technology. Computers, Environment and Urban Systems, 2019, 74, 74-87.	7.1	43

#	Article	IF	Citations
19	Identifying urban geometric types as energy performance patterns. Energy for Sustainable Development, 2019, 48, 115-129.	4.5	30
20	Identifying Major Components of Extreme Heatwave Risk Assessment Indexes in Urban Areas. KIEAE Journal, 2019, 19, 5-10.	0.3	3
21	Space choice, rejection and satisfaction in university campus. Indoor and Built Environment, 2018, 27, 233-243.	2.8	25
22	Modeling water flow on FaÃ§ade. Automation in Construction, 2018, 93, 265-279.	9.8	4
23	Linked podiums affecting street life: A case of Tuen Mun in Hong Kong. Urban Design International, 2017, 22, 47-72.	2.8	4
24	Use and Perception of Podium Gardens in Residential Neighborhoods in Hong Kong. Sustainability, 2017, 9, 57.	3.2	6
25	A framework for evaluating user involvement methods in architectural, engineering, and construction projects. Architectural Science Review, 2016, 59, 136-147.	2.2	21
26	Automated updating of space design requirements connecting user activities and space types. Automation in Construction, 2015, 50, 102-110.	9.8	16
27	Quantitative analysis of warnings in building information modeling (BIM). Automation in Construction, 2015, 51, 23-31.	9.8	30
28	Distance-weighted isovist area: An isovist index representing spatial proximity. Automation in Construction, 2014, 43, 92-97.	9.8	9
29	Life-cycle Cost Analysis of Using Rainwater Harvesting Systems in Hong Kong Residential Buildings. Journal of the Korean Housing Association, 2014, 25, 53-62.	0.1	1
30	Comparative study of artificial intelligence-based building thermal control methods â€“ Application of fuzzy, adaptive neuro-fuzzy inference system, and artificial neural network. Applied Thermal Engineering, 2011, 31, 2422-2429.	6.0	71