

Youngchul Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1410819/publications.pdf>

Version: 2024-02-01

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	Comparative study of artificial intelligence-based building thermal control methods “ Application of fuzzy, adaptive neuro-fuzzy inference system, and artificial neural network. Applied Thermal Engineering, 2011, 31, 2422-2429.	6.0	71
2	Explainable heat-related mortality with random forest and SHapley Additive exPlanations (SHAP) models. Sustainable Cities and Society, 2022, 79, 103677.	10.4	57
3	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
4	Quantitative analysis of warnings in building information modeling (BIM). Automation in Construction, 2015, 51, 23-31.	9.8	30
5	Identifying urban geometric types as energy performance patterns. Energy for Sustainable Development, 2019, 48, 115-129.	4.5	30
6	Space choice, rejection and satisfaction in university campus. Indoor and Built Environment, 2018, 27, 233-243.	2.8	25
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	A framework for evaluating user involvement methods in architectural, engineering, and construction projects. Architectural Science Review, 2016, 59, 136-147.	2.2	21
9	Crowd-sourced cognitive mapping: A new way of displaying people’s cognitive perception of urban space. PLoS ONE, 2019, 14, e0218590.	2.5	17
10	Automated updating of space design requirements connecting user activities and space types. Automation in Construction, 2015, 50, 102-110.	9.8	16
11	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
12	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
13	A framework of biophilic urbanism for improving climate change adaptability in urban environments. Urban Forestry and Urban Greening, 2021, 61, 127104.	5.3	12
14	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
15	Estimating urban spatial temperatures considering anthropogenic heat release factors focusing on the mobility characteristics. Sustainable Cities and Society, 2022, 85, 104073.	10.4	11
16	Energy Consumption Prediction in Vietnam with an Artificial Neural Network-Based Urban Growth Model. Energies, 2020, 13, 4282.	3.1	10
17	Distance-weighted isovist area: An isovist index representing spatial proximity. Automation in Construction, 2014, 43, 92-97.	9.8	9
18	Inferring land use from spatialtemporal taxi ride data. Applied Geography, 2022, 142, 102688.	3.7	8

#	ARTICLE	IF	CITATIONS
19	Redesigning urban elements and structures considering autonomous vehicles: Preparing design strategies for wide implementation in cities. <i>Cities</i> , 2022, 123, 103595.	5.6	7
20	Use and Perception of Podium Gardens in Residential Neighborhoods in Hong Kong. <i>Sustainability</i> , 2017, 9, 57.	3.2	6
21	Performance Evaluation of Control Methods for PV-Integrated Shading Devices. <i>Energies</i> , 2020, 13, 3171.	3.1	6
22	Accessibility of welfare facilities for elderly people in Daejeon, South Korea considering public transportation accessibility. <i>Transportation Research Interdisciplinary Perspectives</i> , 2021, 12, 100514.	2.7	6
23	Potential of Urban Land Use by Autonomous Vehicles: Analyzing Land Use Potential in Seoul Capital Area of Korea. <i>IEEE Access</i> , 2019, 7, 101915-101927.	4.2	5
24	Linked podiums affecting street life: A case of Tuen Mun in Hong Kong. <i>Urban Design International</i> , 2017, 22, 47-72.	2.8	4
25	Modeling water flow on Façade. <i>Automation in Construction</i> , 2018, 93, 265-279.	9.8	4
26	Drivers' Visual Perception Quantification Using 3D Mobile Sensor Data for Road Safety. <i>Sensors</i> , 2020, 20, 2763.	3.8	4
27	Identifying Major Components of Extreme Heatwave Risk Assessment Indexes in Urban Areas. <i>KIEAE Journal</i> , 2019, 19, 5-10.	0.3	3
28	How do people explore a large concourse in university campus? A computational analysis. <i>Journal of Computational Design and Engineering</i> , 2019, 6, 666-674.	3.1	2
29	A Linear Programming Method for Finding a Minimal Set of Axial Lines Representing an Entire Geometry of Building and Urban Layout. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4273.	2.5	2
30	Life-cycle Cost Analysis of Using Rainwater Harvesting Systems in Hong Kong Residential Buildings. <i>Journal of the Korean Housing Association</i> , 2014, 25, 53-62.	0.1	1