

# Kwangbok Jeong

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,760  
citations

218677

26  
h-index

289244

40  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1592  
citing authors

#	ARTICLE	IF	CITATIONS
1	An indoor environmental quality distribution map based on spatial interpolation methods. <i>Building and Environment</i> , 2022, 213, 108880.	6.9	12
2	Deep Learning-Based Automation of Scan-to-BIM with Modeling Objects from Occluded Point Clouds. <i>Journal of Management in Engineering - ASCE</i> , 2022, 38, .	4.8	13
3	Analysis of ways to reduce potential health risk from ultrafine and fine particles emitted from 3D printers in the makerspace. <i>Indoor Air</i> , 2022, 32, .	4.3	2
4	Development of a greenhouse gas emissions benchmark considering building characteristics and national greenhouse emissions reduction target. <i>Energy and Buildings</i> , 2022, 269, 112248.	6.7	7
5	Intelligent planning unit for the artificial intelligent based built environment focusing on human-building interaction. <i>Journal of Asian Architecture and Building Engineering</i> , 2021, 20, 729-746.	2.0	3
6	A data-driven approach for establishing a CO2 emission benchmark for a multi-family housing complex using data mining techniques. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 138, 110497.	16.4	9
7	Building occupants' psycho-physiological response to indoor climate and CO2 concentration changes in office buildings. <i>Building and Environment</i> , 2020, 169, 106596.	6.9	33
8	BIM-based preliminary estimation method considering the life cycle cost for decision-making in the early design phase. <i>Journal of Asian Architecture and Building Engineering</i> , 2020, 19, 384-399.	2.0	26
9	Embodied and Operational CO2 Emissions of the Elementary School Buildings in Different Climate Zones. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 1037-1048.	1.9	6
10	An optimal implementation strategy of the multi-function window considering the nonlinearity of its technical-environmental-economic performance by window ventilation system size. <i>Building and Environment</i> , 2019, 161, 106234.	6.9	8
11	Occupant responses on satisfaction with window size in physical and virtual built environments. <i>Building and Environment</i> , 2019, 166, 106409.	6.9	54
12	Development of a decision support model for determining the target multi-family housing complex for green remodeling using data mining techniques. <i>Energy and Buildings</i> , 2019, 202, 109401.	6.7	9
13	An integrated assessment of the environmental, human health, and economic impacts based on life cycle assessment: A case study of the concrete and steel slabs. <i>Journal of Cleaner Production</i> , 2019, 239, 118032.	9.3	11
14	Development of a multi-objective optimization model for determining the optimal CO2 emissions reduction strategies for a multi-family housing complex. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 110, 118-131.	16.4	25
15	Analyzing the real-time indoor environmental quality factors considering the influence of the building occupants' behaviors and the ventilation. <i>Building and Environment</i> , 2019, 156, 99-109.	6.9	31
16	The effects of filters for an intelligent air pollutant control system considering natural ventilation and the occupants. <i>Science of the Total Environment</i> , 2019, 657, 410-419.	8.0	15
17	Multi-criteria decision support system of the photovoltaic and solar thermal energy systems using the multi-objective optimization algorithm. <i>Science of the Total Environment</i> , 2019, 659, 1100-1114.	8.0	18
18	DEVELOPMENT OF THE MONTHLY AVERAGE DAILY SOLAR RADIATION MAP USING A-CBR, FEM, AND KRIGING METHOD. <i>Technological and Economic Development of Economy</i> , 2018, 24, 489-512.	4.6	5

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19	A model for determining the optimal lease payment in the solar lease business for residences and third-party companies – With focus on the region and on multi-family housing complexes. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 824-836.	16.4	13
20	Development of a CO2 emission benchmark for achieving the national CO2 emission reduction target by 2030. <i>Energy and Buildings</i> , 2018, 158, 86-94.	6.7	64
21	A bottom-up approach for estimating the economic potential of the rooftop solar photovoltaic system considering the spatial and temporal diversity. <i>Applied Energy</i> , 2018, 232, 640-656.	10.1	54
22	Physiological response of building occupants based on their activity and the indoor environmental quality condition changes. <i>Building and Environment</i> , 2018, 145, 96-103.	6.9	26
23	Development of a rooftop solar photovoltaic rating system considering the technical and economic suitability criteria at the building level. <i>Energy</i> , 2018, 160, 213-224.	8.8	21
24	An optimized gene expression programming model for forecasting the national CO2 emissions in 2030 using the metaheuristic algorithms. <i>Applied Energy</i> , 2018, 228, 808-820.	10.1	54
25	Estimation of the optimal government rebate for promoting the photovoltaic system in multi-family housing complexes. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 720-728.	16.4	3
26	Nonlinearity analysis of the shading effect on the technical-economic performance of the building-integrated photovoltaic blind. <i>Applied Energy</i> , 2017, 194, 467-480.	10.1	33
27	Development of the smart photovoltaic system blind and its impact on net-zero energy solar buildings using technical-economic-political analyses. <i>Energy</i> , 2017, 124, 382-396.	8.8	59
28	Improvements of the operational rating system for existing residential buildings. <i>Applied Energy</i> , 2017, 193, 112-124.	10.1	18
29	Establishment of an optimal occupant behavior considering the energy consumption and indoor environmental quality by region. <i>Applied Energy</i> , 2017, 204, 1431-1443.	10.1	50
30	Development of a prediction model for the cost saving potentials in implementing the building energy efficiency rating certification. <i>Applied Energy</i> , 2017, 189, 257-270.	10.1	32
31	Mapping the Rescue Equipment Mobilization Potential: Decision Support Tool for Emergency Management. <i>Journal of Management in Engineering - ASCE</i> , 2017, 33, 04017037.	4.8	5
32	Development of the hybrid model for estimating the undisturbed ground temperature using the finite element method and geostatistical technique. <i>Energy and Buildings</i> , 2017, 152, 162-174.	6.7	7
33	Framework for the Analysis of the Potential of Ground Source Heat Pump System in Elementary School Facility. <i>Energy Procedia</i> , 2017, 105, 1051-1057.	1.8	0
34	A simplified estimation model for determining the optimal rooftop photovoltaic system for gable roofs. <i>Energy and Buildings</i> , 2017, 151, 320-331.	6.7	13
35	An economic impact analysis of residential progressive electricity tariffs in implementing the building-integrated photovoltaic blind using an advanced finite element model. <i>Applied Energy</i> , 2017, 202, 259-274.	10.1	21
36	An integrated evaluation of productivity, cost and CO2 emission between prefabricated and conventional columns. <i>Journal of Cleaner Production</i> , 2017, 142, 2393-2406.	9.3	61

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37	Establishment of a base price for the Solar Renewable Energy Credit (SREC) from the perspective of residents and state governments in the United States. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 1066-1080.	16.4	18
38	Development of a method for estimating the rooftop solar photovoltaic (PV) potential by analyzing the available rooftop area using Hillshade analysis. <i>Applied Energy</i> , 2017, 194, 320-332.	10.1	127
39	Advanced Strategies for Net-Zero Energy Building: Focused on the Early Phase and Usage Phase of a Building's Life Cycle. <i>Sustainability</i> , 2017, 9, 2272.	3.2	29
40	A Prototype Design and Development of the Smart Photovoltaic System Blind Considering the Photovoltaic Panel, Tracking System, and Monitoring System. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1077.	2.5	15
41	A finite element model for estimating the techno-economic performance of the building-integrated photovoltaic blind. <i>Applied Energy</i> , 2016, 179, 211-227.	10.1	31
42	Establishing environmental benchmarks to determine the environmental performance of elementary school buildings using LCA. <i>Energy and Buildings</i> , 2016, 127, 818-829.	6.7	35
43	Framework for Approaching the Minimum CV(RMSE) using Energy Simulation and Optimization Tool. <i>Energy Procedia</i> , 2016, 88, 265-270.	1.8	17
44	Development of an integrated energy benchmark for a multi-family housing complex using district heating. <i>Applied Energy</i> , 2016, 179, 1048-1061.	10.1	32
45	Estimation of the Available Rooftop Area for Installing the Rooftop Solar Photovoltaic (PV) System by Analyzing the Building Shadow Using Hillshade Analysis. <i>Energy Procedia</i> , 2016, 88, 408-413.	1.8	27
46	Zoning-Based Vertical Transportation Optimization for Workers at Peak Time in a Skyscraper Construction. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016, 31, 826-845.	9.8	18
47	A Preliminary Study for Determining Photovoltaic Panel for a Smart Photovoltaic Blind Considering Usability and Constructability Issues. <i>Energy Procedia</i> , 2016, 88, 363-367.	1.8	10
48	A Preliminary Study on the 2-axis Hybrid Solar Tracking Method for the Smart Photovoltaic Blind. <i>Energy Procedia</i> , 2016, 88, 484-490.	1.8	27
49	Development of an evaluation process for green and non-green buildings focused on energy performance of G-SEED and LEED. <i>Building and Environment</i> , 2016, 105, 172-184.	6.9	38
50	The optimal photovoltaic system implementation strategy to achieve the national carbon emissions reduction target in 2030: Focused on educational facilities. <i>Energy and Buildings</i> , 2016, 119, 101-110.	6.7	17
51	An optimization model for selecting the optimal green systems by considering the thermal comfort and energy consumption. <i>Applied Energy</i> , 2016, 169, 682-695.	10.1	85
52	Dynamic analysis of the urban-based low-carbon policy using system dynamics: Focused on housing and green space. , 2015, , .		0
53	A program-level management system for the life cycle environmental and economic assessment of complex building projects. <i>Environmental Impact Assessment Review</i> , 2015, 54, 9-21.	9.2	28
54	Life cycle economic and environmental assessment for establishing the optimal implementation strategy of rooftop photovoltaic system in military facility. <i>Journal of Cleaner Production</i> , 2015, 104, 315-327.	9.3	33

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55	A review on sustainable construction management strategies for monitoring, diagnosing, and retrofitting the building's dynamic energy performance: Focused on the operation and maintenance phase. <i>Applied Energy</i> , 2015, 155, 671-707.	10.1	140
56	A model for predicting the environmental impacts of educational facilities in the project planning phase. <i>Journal of Cleaner Production</i> , 2015, 107, 538-549.	9.3	40
57	Framework for Evaluating the Thermal Insulation Performance of Existing Residential Buildings Using the Infrared Thermal Image and Image Processing Method. , 2015, , .		0
58	A model for evaluating the environmental benefits of elementary school facilities. <i>Journal of Environmental Management</i> , 2014, 132, 220-229.	7.8	23
59	An estimation model for determining the annual energy cost budget in educational facilities using SARIMA (seasonal autoregressive integrated moving average) and ANN (artificial neural network). <i>Energy</i> , 2014, 71, 71-79.	8.8	75
60	A decision support model for reducing electric energy consumption in elementary school facilities. <i>Applied Energy</i> , 2012, 95, 253-266.	10.1	74