

Geun Young Yun

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7118270/geun-young-yun-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58 papers	1,858 citations	23 h-index	42 g-index
63 ext. papers	2,213 ext. citations	5.3 avg, IF	5.7 L-index

#	Paper	IF	Citations
58	Time-dependent occupant behaviour models of window control in summer. <i>Building and Environment</i> , 2008 , 43, 1471-1482	6.5	184
57	Household energy consumption: a study of the role of occupants. <i>Building Research and Information</i> , 2009 , 37, 625-637	4.3	173
56	Behavioural, physical and socio-economic factors in household cooling energy consumption. <i>Applied Energy</i> , 2011 , 88, 2191-2200	10.7	158
55	Design and overall energy performance of a ventilated photovoltaic façade. <i>Solar Energy</i> , 2007 , 81, 383-388	3.4	116
54	Effects of occupancy and lighting use patterns on lighting energy consumption. <i>Energy and Buildings</i> , 2012 , 46, 152-158	7	115
53	Thermal performance of a naturally ventilated building using a combined algorithm of probabilistic occupant behaviour and deterministic heat and mass balance models. <i>Energy and Buildings</i> , 2009 , 41, 489-499	7	99
52	A field survey of visual comfort and lighting energy consumption in open plan offices. <i>Energy and Buildings</i> , 2012 , 46, 146-151	7	74
51	Development of the adaptive PMV model for improving prediction performances. <i>Energy and Buildings</i> , 2015 , 98, 100-105	7	56
50	The use of artificial intelligence (AI) methods in the prediction of thermal comfort in buildings: energy implications of AI-based thermal comfort controls. <i>Energy and Buildings</i> , 2020 , 211, 109807	7	55
49	Influences of perceived control on thermal comfort and energy use in buildings. <i>Energy and Buildings</i> , 2018 , 158, 822-830	7	54
48	Recent development and research priorities on cool and super cool materials to mitigate urban heat island. <i>Renewable Energy</i> , 2020 , 161, 792-807	8.1	53
47	View types and luminance effects on discomfort glare assessment from windows. <i>Energy and Buildings</i> , 2012 , 46, 139-145	7	49
46	Predicting the magnitude and the characteristics of the urban heat island in coastal cities in the proximity of desert landforms. The case of Sydney. <i>Science of the Total Environment</i> , 2020 , 709, 136068	10.2	41
45	Development and application of the load responsive control of the evaporating temperature in a VRF system for cooling energy savings. <i>Energy and Buildings</i> , 2016 , 116, 638-645	7	39
44	Natural ventilation in practice: linking facade design, thermal performance, occupant perception and control. <i>Building Research and Information</i> , 2008 , 36, 608-624	4.3	39
43	Night-time naturally ventilated offices: Statistical simulations of window-use patterns from field monitoring. <i>Solar Energy</i> , 2010 , 84, 1216-1231	6.8	34
42	Extending the applicability of the adaptive comfort model to the control of air-conditioning systems. <i>Building and Environment</i> , 2016 , 105, 13-23	6.5	29

41	Implications of urban settings for the design of photovoltaic and conventional façades. <i>Solar Energy</i> , 2009 , 83, 69-80	6.8	28
40	The Effect of Seasons and Prevailing Environments on Adaptive Comfort Temperatures in Open Plan Offices. <i>Indoor and Built Environment</i> , 2012 , 21, 41-47	1.8	28
39	The neural network predictive model for heat island intensity in Seoul. <i>Energy and Buildings</i> , 2016 , 110, 353-361	7	27
38	Energy performance of direct expansion air handling unit in office buildings. <i>Energy and Buildings</i> , 2014 , 77, 425-431	7	25
37	Evaluation of Daylighting Effectiveness and Energy Saving Potentials of Light-Pipe Systems in Buildings. <i>Indoor and Built Environment</i> , 2012 , 21, 129-136	1.8	24
36	Data-driven approach to prediction of residential energy consumption at urban scales in London. <i>Energy</i> , 2019 , 187, 115973	7.9	21
35	Energy Saving Potential of PCMs in Buildings under Future Climate Conditions. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1219	2.6	20
34	Exploring the relationship between particulate matter, CO, SO, NO, O and urban heat island in Seoul, Korea. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123615	12.8	20
33	Prediction of indoor clothing insulation levels: A deep learning approach. <i>Energy and Buildings</i> , 2019 , 202, 109402	7	18
32	Bond strength of steel deformed rebars embedded in artificial lightweight aggregate concrete. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 490-507	2	18
31	Using deep learning approaches with variable selection process to predict the energy performance of a heating and cooling system. <i>Renewable Energy</i> , 2020 , 149, 1227-1245	8.1	16
30	Using deep-learning to forecast the magnitude and characteristics of urban heat island in Seoul Korea. <i>Scientific Reports</i> , 2020 , 10, 3559	4.9	15
29	Synergies between urban heat island and heat waves in Seoul: The role of wind speed and land use characteristics. <i>PLoS ONE</i> , 2020 , 15, e0243571	3.7	14
28	Dynamic target high pressure control of a VRF system for heating energy savings. <i>Applied Thermal Engineering</i> , 2017 , 113, 1386-1395	5.8	12
27	Energy-Saving Potential of LED Lighting Systems. <i>Indoor and Built Environment</i> , 2013 , 22, 235-241	1.8	12
26	Prediction of Discomfort Glares from Windows: Influence of the Subjective Evaluation of Window Views. <i>Indoor and Built Environment</i> , 2012 , 21, 92-97	1.8	12
25	Development of an automatic calibration method of a VRF energy model for the design of energy efficient buildings. <i>Energy and Buildings</i> , 2017 , 135, 156-165	7	11
24	Empirical evidence on the impact of urban overheating on building cooling and heating energy consumption. <i>IScience</i> , 2021 , 24, 102495	6.1	11

23	Comparative Performance of Machine Learning Algorithms in the Prediction of Indoor Daylight Illuminances. <i>Sustainability</i> , 2020 , 12, 4471	3.6	10
22	Cooling Energy Implications of Occupant Factor in Buildings under Climate Change. <i>Sustainability</i> , 2017 , 9, 2039	3.6	10
21	Thermal and Non-Thermal Stimuli for the Use of Windows in Offices. <i>Indoor and Built Environment</i> , 2012 , 21, 109-121	1.8	10
20	Energy retrofit analysis of cross-laminated timber residential buildings in Seoul, Korea: Insights from a case study of packages. <i>Energy and Buildings</i> , 2019 , 202, 109329	7	7
19	Influences of wind speed, sky conditions, land use and land cover characteristics on the magnitude of the urban heat island in Seoul: An exploratory analysis. <i>Sustainable Cities and Society</i> , 2021 , 71, 102953	10.1	6
18	Effects of Changing Air Temperature at Different Sleep Stages on the Subjective Evaluation of Sleep Quality. <i>Sustainability</i> , 2019 , 11, 1417	3.6	4
17	A Novel Hybrid Deep Neural Network Model to Predict the Refrigerant Charge Amount of Heat Pumps. <i>Sustainability</i> , 2020 , 12, 2914	3.6	4
16	Creating Sustainable Building through Exploiting Human Comfort. <i>Energy Procedia</i> , 2014 , 62, 590-594	2.3	3
15	Subjective Responses to Changes in Spectral Power Distributions of LED Light. <i>Indoor and Built Environment</i> , 2013 , 22, 226-234	1.8	3
14	Influence of Tree Canopy Coverage and Leaf Area Density on Urban Heat Island Mitigation. <i>Sustainability</i> , 2021 , 13, 7496	3.6	3
13	Influences of Spectral Power Distribution on Circadian Energy, Visual Comfort and Work Performance. <i>Sustainability</i> , 2021 , 13, 4852	3.6	2
12	A novel deep learning-based integrated photovoltaic, energy storage system and electric heat pump system: Optimising energy usage and costs. <i>International Journal of Energy Research</i> , 2021 , 45, 9306-9325	4.5	2
11	Polymer Composites for Passive Control System of Buildings. <i>International Journal of Polymer Science</i> , 2017 , 2017, 1-1	2.4	1
10	ENERGY AND FEASIBILITY ANALYSIS OF APPLYING BIO-BASED PHASE CHANGE MATERIALS TO BUILDINGS IN EAST ASIA. <i>Journal of Green Building</i> , 2020 , 15, 157-181	1.3	1
9	A Field Survey of Thermal Comfort in Office Building with a Unitary Heat-Pump and Energy Recovery Ventilator. <i>Smart Innovation, Systems and Technologies</i> , 2013 , 1003-1010	0.5	1
8	Recent advances in black box and white-box models for urban heat island prediction: Implications of fusing the two methods. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 165, 112520	16.2	1
7	Meteorological influence on forecasting urban pollutants: Long-term predictability versus extreme events in a spatially heterogeneous urban ecosystem.. <i>Science of the Total Environment</i> , 2021 , 152537	10.2	0
6	Geographically extended occupant clothing behavior model using convolutional neural networks with hyperband technique. <i>Journal of Building Engineering</i> , 2022 , 49, 104023	5.2	

- 5 New and Advanced Materials and Technologies in Ultralow-Energy Buildings. *Advances in Civil Engineering*, **2018**, 2018, 1-2 1.3
- 4 Synergies between urban heat island and heat waves in Seoul: The role of wind speed and land use characteristics **2020**, 15, e0243571
- 3 Synergies between urban heat island and heat waves in Seoul: The role of wind speed and land use characteristics **2020**, 15, e0243571
- 2 Synergies between urban heat island and heat waves in Seoul: The role of wind speed and land use characteristics **2020**, 15, e0243571
- 1 Synergies between urban heat island and heat waves in Seoul: The role of wind speed and land use characteristics **2020**, 15, e0243571