

# Vishal Garg

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3640363/vishal-garg-publications-by-citations.pdf>

**Version:** 2024-04-26

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.

38  
papers

715  
citations

14  
h-index

26  
g-index

41  
ext. papers

882  
ext. citations

4.4  
avg, IF

4.4  
L-index

#	Paper	IF	Citations
38	Smart occupancy sensors to reduce energy consumption. <i>Energy and Buildings</i> , <b>2000</b> , 32, 81-87	7	132
37	Quantifying the direct benefits of cool roofs in an urban setting: Reduced cooling energy use and lowered greenhouse gas emissions. <i>Building and Environment</i> , <b>2012</b> , 48, 1-6	6.5	97
36	Evaluation of Autotune calibration against manual calibration of building energy models. <i>Applied Energy</i> , <b>2016</b> , 182, 115-134	10.7	57
35	A review of open loop control strategies for shades, blinds and integrated lighting by use of real-time daylight prediction methods. <i>Building and Environment</i> , <b>2018</b> , 135, 352-364	6.5	49
34	Evaluation of thermal environmental conditions and thermal perception at naturally ventilated hostels of undergraduate students in composite climate. <i>Building and Environment</i> , <b>2013</b> , 66, 42-53	6.5	43
33	Combined effect of energy efficiency measures and thermal adaptation on air conditioned building in warm climatic conditions of India. <i>Energy and Buildings</i> , <b>2012</b> , 55, 351-360	7	35
32	Evaluating assumptions of scales for subjective assessment of thermal environments [Do laypersons perceive them the way, we researchers believe?]. <i>Energy and Buildings</i> , <b>2020</b> , 211, 109761	7	34
31	Assessment of the impact of cool roofs in rural buildings in India. <i>Energy and Buildings</i> , <b>2016</b> , 114, 156-163	6.5	23
30	Calibrated simulation for estimating energy savings by the use of cool roof in five Indian climatic zones. <i>Journal of Renewable and Sustainable Energy</i> , <b>2011</b> , 3, 023108	2.5	23
29	Optimizing roof insulation for roofs with high albedo coating and radiant barriers in India. <i>Journal of Building Engineering</i> , <b>2015</b> , 2, 52-58	5.2	22
28	Determining base temperature for heating and cooling degree-days for India. <i>Journal of Building Engineering</i> , <b>2018</b> , 18, 270-280	5.2	22
27	A review of advances for thermal and visual comfort controls in personal environmental control (PEC) systems. <i>Intelligent Buildings International</i> , <b>2019</b> , 11, 75-104	1.7	21
26	Review of studies on thermal comfort in Indian residential buildings. <i>Science and Technology for the Built Environment</i> , <b>2020</b> , 26, 727-748	1.8	17
25	Development of reference building models for India. <i>Journal of Building Engineering</i> , <b>2019</b> , 21, 267-277	5.2	15
24	Development for cool roof calculator for India. <i>Energy and Buildings</i> , <b>2016</b> , 114, 136-142	7	13
23	Effect of building envelope on thermal environmental conditions of a naturally ventilated building block in tropical climate. <i>Building Services Engineering Research and Technology</i> , <b>2014</b> , 35, 280-295	2.3	12
22	The Scales Project, a cross-national dataset on the interpretation of thermal perception scales. <i>Scientific Data</i> , <b>2019</b> , 6, 289	8.2	12

21	Development and performance evaluation of a methodology, based on distributed computing, for speeding EnergyPlus simulation. <i>Journal of Building Performance Simulation</i> , <b>2011</b> , 4, 257-270	2.8	9
20	Experimental determination of comfort benefits from cool-roof application to an un-conditioned building in India. <i>Advances in Building Energy Research</i> , <b>2014</b> , 8, 14-27	1.8	8
19	Impact of urban heat island formation on energy consumption in Delhi. <i>Urban Climate</i> , <b>2021</b> , 36, 100763	6.8	8
18	An approach to calculate the equivalent solar heat gain coefficient of glass windows with fixed and dynamic shading in tropical climates. <i>Journal of Building Engineering</i> , <b>2019</b> , 22, 90-100	5.2	8
17	Machine Learning-Based Occupancy Estimation Using Multivariate Sensor Nodes <b>2018</b> ,		8
16	EnergyPlus Simulation Speedup Using Data Parallelization Concept <b>2010</b> ,		7
15	Development of a surrogate model by extracting top characteristic feature vectors for building energy prediction. <i>Journal of Building Engineering</i> , <b>2019</b> , 23, 38-52	5.2	7
14	Effect of Surface Temperature on Energy Consumption in a Calibrated Building: A Case Study of Delhi. <i>Climate</i> , <b>2020</b> , 8, 71	3.1	6
13	Top-of-atmosphere radiative cooling with white roofs: experimental verification and model-based evaluation. <i>Environmental Research Letters</i> , <b>2012</b> , 7, 044007	6.2	6
12	Development and analysis of a tool for speed up of EnergyPlus through parallelization. <i>Journal of Building Performance Simulation</i> , <b>2014</b> , 7, 179-191	2.8	5
11	Very Short-Term HVAC Cooling Energy Forecasting for an Educational Building in Real-Time.. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 238, 012069	0.3	3
10	Evaluation of thermally activated furniture on thermal comfort and energy consumption: An experimental study. <i>Energy and Buildings</i> , <b>2020</b> , 223, 110154	7	2
9	Explainable Clustering Using Hyper-Rectangles for Building Energy Simulation Data. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 238, 012068	0.3	2
8	Using Cool Roofs to Reduce Energy Use, Greenhouse Gas Emissions, and Urban Heat-island Effects: Findings from an India Experiment		2
7	SMEO: A Platform for Smart Classrooms with Enhanced Information Access and Operations Automation. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 123-134	0.9	2
6	Optimal Control of Operable Windows for Mixed Mode Building Simulation in EnergyPlus. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 238, 012052	0.3	1
5	Meta-study of residential energy studies in India. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 410, 012017	0.3	1
4	Thermal performance analysis of solar clothes dryer. <i>Journal of Renewable and Sustainable Energy</i> , <b>2013</b> , 5, 043113	2.5	1

3	Thermal Comfort Analysis of Personalized Conditioning System and Performance Assessment with Different Radiant Cooling Systems. <i>Energy and Built Environment</i> , <b>2021</b> ,	6.3	1
2	Adaptive thermal comfort model based on field studies in five climate zones across India. <i>Building and Environment</i> , <b>2022</b> , 219, 109187	6.5	1
1	Circadian lighting in a space daylit by a tubular daylight device. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 238, 012030	0.3	