

# Juha Vinha

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8342681/publications.pdf>

Version: 2024-02-01

24  
papers

763  
citations

759233

12  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

840  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moisture and Bio-deterioration Risk of Building Materials and Structures. Journal of Building Physics, 2010, 33, 201-224.	2.4	237
2	High indoor CO <sub>2</sub> concentrations in an office environment increases the transcutaneous CO <sub>2</sub> level and sleepiness during cognitive work. Journal of Occupational and Environmental Hygiene, 2016, 13, 19-29.	1.0	115
3	Indoor Humidity Loads and Moisture Production in Lightweight Timber-frame Detached Houses. Journal of Building Physics, 2006, 29, 219-246.	2.4	52
4	Glazed space thermal simulation with IDA-ICE 4.6.1 software – Suitability analysis with case study. Energy and Buildings, 2015, 89, 132-141.	6.7	45
5	Indoor hygrothermal loads for the deterministic and stochastic design of the building envelope for dwellings in cold climates. Journal of Building Physics, 2018, 41, 547-577.	2.4	38
6	Architectural window design and energy efficiency: Impacts on heating, cooling and lighting needs in Finnish climates. Journal of Building Engineering, 2020, 27, 100996.	3.4	33
7	A Comparison of Measured and Simulated Air Pressure Conditions of a Detached House in a Cold Climate. Journal of Building Physics, 2008, 32, 67-89.	2.4	31
8	Effects of added glazing on Balcony indoor temperatures: Field measurements. Energy and Buildings, 2016, 128, 458-472.	6.7	26
9	Measuring thermal conductivity and specific heat capacity values of inhomogeneous materials with a heat flow meter apparatus. Journal of Building Engineering, 2017, 9, 135-141.	3.4	26
10	Need to repair moisture- and mould damage in different structures in Finnish public buildings. Journal of Building Engineering, 2018, 16, 72-78.	3.4	25
11	Internal moisture excess of residential buildings in Finland. Journal of Building Physics, 2018, 42, 239-258.	2.4	19
12	Acoustics and new learning environment – A case study. Applied Acoustics, 2015, 100, 74-78.	3.3	15
13	The corrosion rate in reinforced concrete facades exposed to outdoor environment. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	3.1	12
14	Energy consumption of Finnish schools and daycare centers and the correlation to regulatory building permit values. Energy Policy, 2018, 119, 183-195.	8.8	10
15	Hot-box measurements to investigate the internal convection of highly insulated loose-fill insulation roof structures. Energy and Buildings, 2020, 216, 109934.	6.7	10
16	Carbon dioxide permeability of building materials and their impact on bedroom ventilation need. Journal of Building Engineering, 2017, 12, 99-108.	3.4	9
17	Condensation at the exterior surface of windows. Journal of Building Engineering, 2018, 19, 592-601.	3.4	8
18	Temperature and relative humidity measurements and data analysis of five crawl spaces. Energy Procedia, 2017, 132, 711-716.	1.8	7

#	ARTICLE	IF	CITATIONS
19	Cost-optimal energy performance measures in a new daycare building in cold climate. International Journal of Sustainable Energy, 2019, 38, 104-122.	2.4	5
20	Air pressure difference measurements in Finnish municipal service buildings. Energy Procedia, 2017, 132, 879-884.	1.8	4
21	Numerical study of time-dependent hygrothermal conditions in depressurized crawl space. Building Simulation, 2018, 11, 1067-1081.	5.6	3
22	Moisture behavior of external insulated precast concrete wall panels. Journal of Building Physics, 2021, 44, 409-434.	2.4	2
23	Modelling hygrothermal performance of roof and floor structures with an energy-efficient constant output heating. Energy Procedia, 2017, 132, 694-699.	1.8	1
24	Potential of space zoning for energy efficiency through utilization efficiency. Advances in Building Energy Research, 2020, 14, 19-40.	2.3	1