

Juha Vinha

List of Publications by Year in descending order

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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 behavior of external insulated precast concrete wall panels. <i>Journal of Building Physics</i> , 2021, 44, 409-434.	2.4	2
2	Potential of space zoning for energy efficiency through utilization efficiency. <i>Advances in Building Energy Research</i> , 2020, 14, 19-40.	2.3	1
3	Architectural window design and energy efficiency: Impacts on heating, cooling and lighting needs in Finnish climates. <i>Journal of Building Engineering</i> , 2020, 27, 100996.	3.4	33
4	Hot-box measurements to investigate the internal convection of highly insulated loose-fill insulation roof structures. <i>Energy and Buildings</i> , 2020, 216, 109934.	6.7	10
5	Cost-optimal energy performance measures in a new daycare building in cold climate. <i>International Journal of Sustainable Energy</i> , 2019, 38, 104-122.	2.4	5
6	Internal moisture excess of residential buildings in Finland. <i>Journal of Building Physics</i> , 2018, 42, 239-258.	2.4	19
7	Need to repair moisture- and mould damage in different structures in Finnish public buildings. <i>Journal of Building Engineering</i> , 2018, 16, 72-78.	3.4	25
8	Indoor hygrothermal loads for the deterministic and stochastic design of the building envelope for dwellings in cold climates. <i>Journal of Building Physics</i> , 2018, 41, 547-577.	2.4	38
9	Energy consumption of Finnish schools and daycare centers and the correlation to regulatory building permit values. <i>Energy Policy</i> , 2018, 119, 183-195.	8.8	10
10	Condensation at the exterior surface of windows. <i>Journal of Building Engineering</i> , 2018, 19, 592-601.	3.4	8
11	Numerical study of time-dependent hygrothermal conditions in depressurized crawl space. <i>Building Simulation</i> , 2018, 11, 1067-1081.	5.6	3
12	Carbon dioxide permeability of building materials and their impact on bedroom ventilation need. <i>Journal of Building Engineering</i> , 2017, 12, 99-108.	3.4	9
13	Measuring thermal conductivity and specific heat capacity values of inhomogeneous materials with a heat flow meter apparatus. <i>Journal of Building Engineering</i> , 2017, 9, 135-141.	3.4	26
14	The corrosion rate in reinforced concrete facades exposed to outdoor environment. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	3.1	12
15	Air pressure difference measurements in Finnish municipal service buildings. <i>Energy Procedia</i> , 2017, 132, 879-884.	1.8	4
16	Modelling hygrothermal performance of roof and floor structures with an energy-efficient constant output heating. <i>Energy Procedia</i> , 2017, 132, 694-699.	1.8	1
17	Temperature and relative humidity measurements and data analysis of five crawl spaces. <i>Energy Procedia</i> , 2017, 132, 711-716.	1.8	7
18	Effects of added glazing on Balcony indoor temperatures: Field measurements. <i>Energy and Buildings</i> , 2016, 128, 458-472.	6.7	26

#	ARTICLE	IF	CITATIONS
19	High indoor CO ₂ concentrations in an office environment increases the transcutaneous CO ₂ level and sleepiness during cognitive work. Journal of Occupational and Environmental Hygiene, 2016, 13, 19-29.	1.0	115
20	Glazed space thermal simulation with IDA-ICE 4.61 software – Suitability analysis with case study. Energy and Buildings, 2015, 89, 132-141.	6.7	45
21	Acoustics and new learning environment – A case study. Applied Acoustics, 2015, 100, 74-78.	3.3	15
22	Moisture and Bio-deterioration Risk of Building Materials and Structures. Journal of Building Physics, 2010, 33, 201-224.	2.4	237
23	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
24	Indoor Humidity Loads and Moisture Production in Lightweight Timber-frame Detached Houses. Journal of Building Physics, 2006, 29, 219-246.	2.4	52