

Ondrej Sikula

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6061773/ondrej-sikula-publications-by-citations.pdf>

Version: 2024-04-28

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.

32
papers

191
citations

9
h-index

12
g-index

36
ext. papers

251
ext. citations

2.6
avg, IF

3.92
L-index

#	Paper	IF	Citations
32	Insulation panels for active control of heat transfer in walls operated as space heating or as a thermal barrier: Numerical simulations and experiments. <i>Energy and Buildings</i> , 2018 , 158, 135-146	7	21
31	Theoretical Evaluation of Night Sky Cooling in the Czech Republic. <i>Energy Procedia</i> , 2014 , 48, 645-653	2.3	21
30	The possibilities and limitations of using radiant wall cooling in new and retrofitted existing buildings. <i>Applied Thermal Engineering</i> , 2020 , 164, 114490	5.8	19
29	Thermal analysis of light pipes for insulated flat roofs. <i>Energy and Buildings</i> , 2014 , 85, 436-444	7	18
28	Heat storage efficiency and effective thermal output: Indicators of thermal response and output of radiant heating and cooling systems. <i>Energy and Buildings</i> , 2020 , 229, 110524	7	18
27	Numerical Simulation of the Effect of Heat Gains in the Heating Season. <i>Energy Procedia</i> , 2012 , 14, 906-913	2.3	12
26	Experimental and numerical study of turbulent flow around a Fanwings profile. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 698-712	4.5	9
25	Transient Numerical Simulation of Linear Thermal Transmittance in Software CalA. <i>Advanced Materials Research</i> , 2014 , 1041, 277-280	0.5	9
24	A comparative study on the applicability of six radiant floor, wall, and ceiling heating systems based on thermal performance analysis. <i>Journal of Building Engineering</i> , 2021 , 36, 102133	5.2	9
23	Hybrid Roof Panels for Night Cooling and Solar Energy Utilization in Buildings. <i>Energy Procedia</i> , 2015 , 74, 177-183	2.3	8
22	Thermal CFD Analysis of Tubular Light Guides. <i>Energies</i> , 2013 , 6, 6304-6321	3.1	8
21	Thermal performance of a radiant wall heating and cooling system with pipes attached to thermally insulating bricks. <i>Energy and Buildings</i> , 2021 , 246, 111122	7	6
20	Review of water-based wall systems: Heating, cooling, and thermal barriers. <i>Energy and Buildings</i> , 2021 , 253, 111476	7	6
19	Coupled transparent insulation system with low emissivity solar absorber: An experimentally validated building energy simulation study. <i>Science and Technology for the Built Environment</i> , 2020 , 26, 511-523	1.8	4
18	Radiant wall cooling with pipes arranged in insulation panels attached to facades of existing buildings. <i>E3S Web of Conferences</i> , 2019 , 111, 03013	0.5	3
17	Assessment of condensation of water vapor in the mixing chamber by CFD method. <i>EPJ Web of Conferences</i> , 2015 , 92, 02112	0.3	3
16	Numerical Simulation of Subsoil Freezing Risk under the Freezer Room. <i>Applied Mechanics and Materials</i> , 2015 , 797, 225-230	0.3	3

15	Analysis of Local Moisture Increase of Timber Constructions on Ice Arena Roof. <i>Advanced Materials Research</i> , 2013 , 649, 291-294	0.5	3
14	2D Model of Capillary Transport of Water in Aerated Concrete. <i>Advanced Materials Research</i> , 2013 , 649, 287-290	0.5	2
13	Experimental and numerical study on the thermal performance of polycarbonate panels. <i>Journal of Building Engineering</i> , 2020 , 32, 101715	5.2	2
12	The possibilities of application of radiant wall cooling in existing buildings as a part of their retrofit. <i>E3S Web of Conferences</i> , 2019 , 111, 03008	0.5	1
11	Circular Free Jets: CFD Simulations with Various Turbulence Models and Their Comparison with Theoretical Solutions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 471, 062045	0.4	1
10	The Effect of Shielding Barriers on Solar Air Collector Gains. <i>Energy Procedia</i> , 2013 , 36, 1070-1075	2.3	1
9	Thermal Bonds of Buildings Structures in Energy Conservation – A Case Study. <i>AASRI Procedia</i> , 2012 , 2, 14-19		1
8	Maximization of Solar Gains of an Air Collector by Simulations. <i>Applied Mechanics and Materials</i> , 2013 , 284-287, 483-487	0.3	1
7	Influence of heating elements dynamics on energy savings. <i>International Review of Applied Sciences and Engineering</i> , 2018 , 9, 169-173	0.3	1
6	Adapting the construction of radiant heating and cooling systems for building retrofit. <i>Energy and Buildings</i> , 2022 , 112228	7	1
5	Enhancing the efficiency of a steam jet ejector chiller for chilled ceiling. <i>Applied Thermal Engineering</i> , 2022 , 211, 118512	5.8	0
4	Numerical Study of Passive and Active Flow Separation Behavior over NACA 0015 Airfoil. <i>International Journal of Fluid Machinery and Systems</i> , 2020 , 13, 327-335	1.1	
3	Simulation of Deposition the Corrosion Waste in a Water Distribution System. <i>EPJ Web of Conferences</i> , 2013 , 45, 01133	0.3	
2	An Evaluation of the Mathematical Models of Energy Piles. <i>Slovak Journal of Civil Engineering</i> , 2020 , 28, 44-48	0.9	
1	Numerical study of cracking a medium elastic viscoplastique of polyacetal. <i>Mechanics and Mechanical Engineering</i> , 2019 , 23, 125-129	0.9	