

Jan Kosny

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

723
citations

840776

11
h-index

677142

22
g-index

28
all docs

28
docs citations

28
times ranked

762
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of insulation configuration on heating and cooling loads in a continuously used building. <i>Energy and Buildings</i> , 2002, 34, 321-331.	6.7	184
2	Field thermal performance of naturally ventilated solar roof with PCM heat sink. <i>Solar Energy</i> , 2012, 86, 2504-2514.	6.1	112
3	Dynamic thermal performance analysis of fiber insulations containing bio-based phase change materials (PCMs). <i>Energy and Buildings</i> , 2012, 52, 122-131.	6.7	111
4	PCM-Enhanced Building Components. <i>Engineering Materials and Processes</i> , 2015, , .	0.4	63
5	Thermal evaluation of several configurations of insulation and structural materials for some metal stud walls. <i>Energy and Buildings</i> , 1995, 22, 157-163.	6.7	44
6	Performance characterization of PCM impregnated gypsum board for building applications. <i>Energy Procedia</i> , 2012, 30, 370-379.	1.8	42
7	Thermal load mitigation and passive cooling in residential attics containing PCM-enhanced insulations. <i>Solar Energy</i> , 2014, 108, 164-177.	6.1	36
8	A review of high R-value wood framed and composite wood wall technologies using advanced insulation techniques. <i>Energy and Buildings</i> , 2014, 72, 441-456.	6.7	23
9	Three-dimensional conduction z-transfer function coefficients determined from the response factors. <i>Energy and Buildings</i> , 2005, 37, 301-310.	6.7	16
10	Thermal impact of adhesive-mounted rooftop PV on underlying roof shingles. <i>Solar Energy</i> , 2018, 174, 957-966.	6.1	12
11	Short History of PCM Applications in Building Envelopes. <i>Engineering Materials and Processes</i> , 2015, , 21-59.	0.4	11
12	Exploring future climate trends on the thermal performance of attics: Part 1 â€“ Standard roofs. <i>Energy and Buildings</i> , 2016, 129, 32-45.	6.7	11
13	DHFMA Method for Dynamic Thermal Property Measurement of PCM-integrated Building Materials. <i>Current Sustainable/Renewable Energy Reports</i> , 2015, 2, 41-46.	2.6	10
14	Thermal performance analysis of residential attics containing high performance aerogel-based radiant barriers. <i>Energy and Buildings</i> , 2018, 158, 1036-1048.	6.7	9
15	Application of Phase Change Materials and Conventional Thermal Mass for Control of Roof-Generated Cooling Loads. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6875.	2.5	5
16	Overview of Basic Solidâ€“Liquid PCMs Used in Building Envelopesâ€“Packaging Methods, Encapsulation, and Thermal Enhancement. <i>Engineering Materials and Processes</i> , 2015, , 61-105.	0.4	4
17	Lab-Scale Dynamic Thermal Testing of PCM-Enhanced Building Materials. , 2014, , 1-13.		4
18	Effect of Framing Factor on Clear Wall R-value for Wood and Steel Framed Walls. <i>Journal of Building Physics</i> , 2006, 30, 163-180.	2.4	3

#	ARTICLE	IF	CITATIONS
19	Predicting the performance of radiant technologies in attics: Reducing the discrepancies between attic specific and whole-building energy models. <i>Energy and Buildings</i> , 2018, 169, 69-83.	6.7	3
20	Surrogate modeling approach towards coupling computational fluid dynamics and energy simulations for analysis and design of energy efficient attics. <i>Building and Environment</i> , 2019, 149, 196-209.	6.9	3
21	Thermal and Energy Modeling of PCM-Enhanced Building Envelopes. <i>Engineering Materials and Processes</i> , 2015, , 167-234.	0.4	2
22	Development and verification of the Fraunhofer attic thermal model. <i>Journal of Building Performance Simulation</i> , 2017, 10, 72-90.	2.0	2
23	Examples of Full-Scale Field Experimentsâ€™ Test Huts and Whole Buildings Containing PCM-Enhanced Building Envelope Components. <i>Engineering Materials and Processes</i> , 2015, , 143-166.	0.4	1
24	Laboratory Thermal Testing of PCM-Enhanced Building Products and Envelope Systems. <i>Engineering Materials and Processes</i> , 2015, , 107-141.	0.4	0