

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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Thermal impact of adhesive-mounted rooftop PV on underlying roof shingles. <i>Solar Energy</i> , 2018, 174, 957-966. | 6.1 | 12 |
| 6 | Development and verification of the Fraunhofer attic thermal model. <i>Journal of Building Performance Simulation</i> , 2017, 10, 72-90. | 2.0 | 2 |
| 7 | Exploring future climate trends on the thermal performance of attics: Part 1 – Standard roofs. <i>Energy and Buildings</i> , 2016, 129, 32-45. | 6.7 | 11 |
| 8 | PCM-Enhanced Building Components. <i>Engineering Materials and Processes</i> , 2015, , . | 0.4 | 63 |
| 9 | Laboratory Thermal Testing of PCM-Enhanced Building Products and Envelope Systems. <i>Engineering Materials and Processes</i> , 2015, , 107-141. | 0.4 | 0 |
| 10 | Short History of PCM Applications in Building Envelopes. <i>Engineering Materials and Processes</i> , 2015, , 21-59. | 0.4 | 11 |
| 11 | Overview of Basic Solid–Liquid PCMs Used in Building Envelopes—Packaging Methods, Encapsulation, and Thermal Enhancement. <i>Engineering Materials and Processes</i> , 2015, , 61-105. | 0.4 | 4 |
| 12 | Examples of Full-Scale Field Experiments—Test Huts and Whole Buildings Containing PCM-Enhanced Building Envelope Components. <i>Engineering Materials and Processes</i> , 2015, , 143-166. | 0.4 | 1 |
| 13 | Thermal and Energy Modeling of PCM-Enhanced Building Envelopes. <i>Engineering Materials and Processes</i> , 2015, , 167-234. | 0.4 | 2 |
| 14 | 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 |
| 15 | 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 |
| 16 | Thermal load mitigation and passive cooling in residential attics containing PCM-enhanced insulations. <i>Solar Energy</i> , 2014, 108, 164-177. | 6.1 | 36 |
| 17 | Lab-Scale Dynamic Thermal Testing of PCM-Enhanced Building Materials. , 2014, , 1-13. | | 4 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Performance characterization of PCM impregnated gypsum board for building applications. Energy Procedia, 2012, 30, 370-379. | 1.8 | 42 |
| 20 | Field thermal performance of naturally ventilated solar roof with PCM heat sink. Solar Energy, 2012, 86, 2504-2514. | 6.1 | 112 |
| 21 | Effect of Framing Factor on Clear Wall R-value for Wood and Steel Framed Walls. Journal of Building Physics, 2006, 30, 163-180. | 2.4 | 3 |
| 22 | Three-dimensional conduction z-transfer function coefficients determined from the response factors. Energy and Buildings, 2005, 37, 301-310. | 6.7 | 16 |
| 23 | Influence of insulation configuration on heating and cooling loads in a continuously used building. Energy and Buildings, 2002, 34, 321-331. | 6.7 | 184 |
| 24 | Thermal evaluation of several configurations of insulation and structural materials for some metal stud walls. Energy and Buildings, 1995, 22, 157-163. | 6.7 | 44 |