

Yujin Kang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

534
citations

759233

12
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	Updated results on the integration of metal-organic framework with functional materials toward n-alkane for latent heat retention and reliability. <i>Journal of Hazardous Materials</i> , 2022, 423, 127147.	12.4	16
2	Practical solutions with PCM for providing thermal stability of temporary house, school and hospital in disaster situations. <i>Building and Environment</i> , 2022, 207, 108540.	6.9	9
3	Evaluation of thermal/acoustic performance to confirm the possibility of coffee waste in building materials in using bio-based microencapsulated PCM. <i>Environmental Pollution</i> , 2022, 294, 118616.	7.5	11
4	Building retrofit technology strategy and effectiveness evaluation for reducing energy use by indoor air quality control. <i>Building and Environment</i> , 2022, 216, 108984.	6.9	8
5	A comparative analysis of biochar, activated carbon, expanded graphite, and multi-walled carbon nanotubes with respect to PCM loading and energy-storage capacities. <i>Environmental Research</i> , 2021, 195, 110853.	7.5	56
6	Energy retrofit of PCM-applied apartment buildings considering building orientation and height. <i>Energy</i> , 2021, 222, 119877.	8.8	43
7	Three-dimensional hybrid carbon nanocomposite-based intelligent composite phase change material with leakage resistance, low electrical resistivity, and high latent heat. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 435-443.	5.8	13
8	Analysis of biochar-mortar composite as a humidity control material to improve the building energy and hygrothermal performance. <i>Science of the Total Environment</i> , 2021, 775, 145552.	8.0	24
9	Verification of particle matter generation due to deterioration of building materials as the cause of indoor fine dust. <i>Journal of Hazardous Materials</i> , 2021, 416, 125920.	12.4	2
10	Hazard evaluation of indoor environment based on long-term pollutant emission characteristics of building insulation materials: An empirical study. <i>Environmental Pollution</i> , 2021, 285, 117223.	7.5	19
11	Assessment of effect of climate change on hygrothermal performance of cross-laminated timber building envelope with modular construction. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101703.	5.7	9
12	Development of wood-lime boards as building materials improving thermal and moisture performance based on hygrothermal behavior evaluation. <i>Construction and Building Materials</i> , 2019, 204, 576-585.	7.2	21
13	Analysis of walls of functional gypsum board added with porous material and phase change material to improve hygrothermal performance. <i>Energy and Buildings</i> , 2019, 183, 803-816.	6.7	46
14	Hygrothermal behavior evaluation of walls improving heat and moisture performance on gypsum boards by adding porous materials. <i>Energy and Buildings</i> , 2018, 165, 431-439.	6.7	40
15	Hygrothermal performance improvement of the Korean wood frame walls using macro-packed phase change materials (MPPCM). <i>Applied Thermal Engineering</i> , 2017, 114, 457-465.	6.0	45
16	Development of heat storage gypsum board with paraffin-based mixed SSPCM for application to buildings. <i>Journal of Adhesion Science and Technology</i> , 2017, 31, 297-309.	2.6	20
17	Thermal Performance Evaluation of Fatty Acid Ester and Paraffin Based Mixed SSPCMs Using Exfoliated Graphite Nanoplatelets (xGnP). <i>Applied Sciences (Switzerland)</i> , 2016, 6, 106.	2.5	25
18	Evaluation of The Hygrothermal Performance by Wall Layer Component of Wooden Houses Using WUFI Simulation Program. <i>Journal of the Korean Wood Science and Technology</i> , 2016, 44, 75-84.	3.0	6

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19	Analysis of Hygrothermal Performance of Wood Frame Walls according to Position of Insulation and Climate Conditions. Journal of the Korean Wood Science and Technology, 2016, 44, 264-273.	3.0	7
20	Comparison of Hygrothermal Performance between Wood and Concrete Wall Structures using Simulation Program. Journal of the Korean Wood Science and Technology, 2016, 44, 283-293.	3.0	5
21	Analysis of Hygrothermal Performance for Standard Wood-frame Structures in Korea. Journal of the Korean Wood Science and Technology, 2016, 44, 440-448.	3.0	3
22	Thermal properties of shape-stabilized phase change materials using fatty acid ester and exfoliated graphite nanoplatelets for saving energy in buildings. Solar Energy Materials and Solar Cells, 2015, 143, 168-173.	6.2	106