

# Mohamad Ibrahim

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

559  
citations

840776

11  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hygrothermal performance of exterior walls covered with aerogel-based insulating rendering. <i>Energy and Buildings</i> , 2014, 84, 241-251.	6.7	100
2	A study on the thermal performance of exterior walls covered with a recently patented silica-aerogel-based insulating coating. <i>Building and Environment</i> , 2014, 81, 112-122.	6.9	90
3	Building envelope with a new aerogel-based insulating rendering: Experimental and numerical study, cost analysis, and thickness optimization. <i>Applied Energy</i> , 2015, 159, 490-501.	10.1	83
4	Low-emissivity coating coupled with aerogel-based plaster for walls' internal surface application in buildings: Energy saving potential based on thermal comfort assessment. <i>Journal of Building Engineering</i> , 2018, 18, 454-466.	3.4	45
5	Optimal location and thickness of insulation layers for minimizing building energy consumption. <i>Journal of Building Performance Simulation</i> , 2012, 5, 384-398.	2.0	41
6	Transferring the south solar energy to the north facade through embedded water pipes. <i>Energy</i> , 2014, 78, 834-845.	8.8	39
7	Limiting windows offset thermal bridge losses using a new insulating coating. <i>Applied Energy</i> , 2014, 123, 220-231.	10.1	38
8	Multi-field and multi-scale characterization of novel super insulating panels/systems based on silica aerogels: Thermal, hydric, mechanical, acoustic, and fire performance. <i>Building and Environment</i> , 2019, 151, 30-42.	6.9	34
9	Experimental and numerical study on a novel low temperature facade solar thermal collector to decrease the heating demands: A south-north pipe-embedded closed-water-loop system. <i>Solar Energy</i> , 2017, 147, 22-36.	6.1	31
10	Hygrothermal performance of novel internal and external super-insulating systems: In-situ experimental study and 1D/2D numerical modeling. <i>Applied Thermal Engineering</i> , 2019, 150, 1306-1327.	6.0	20
11	Aerogel-Based Materials for Improving the Building Envelope's Thermal Behavior: A Brief Review with a Focus on a New Aerogel-Based Rendering. <i>Green Energy and Technology</i> , 2015, , 163-188.	0.6	17
12	Hygrothermal performance of multilayer straw walls in different climates. <i>Construction and Building Materials</i> , 2022, 326, 126873.	7.2	12
13	Performance evaluation of buildings with advanced thermal insulation system: A numerical study. <i>Journal of Facade Design and Engineering</i> , 2016, 4, 19-34.	0.5	9