Mourad Rahim

List of Publications by Year
in descending order

13	483	933447 10	1125743 13
papers	citations	h-index	g-index

13	13	13	330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental investigation of hygrothermal behavior of wooden-frame house under real climate conditions. Energy and Built Environment, 2023, 4, 122-129.	5.9	7
2	Multilayer assembly of phase change material and bio-based concrete: A passive envelope to improve the energy and hygrothermal performance of buildings. Energy Conversion and Management, 2022, 257, 115454.	9.2	17
3	Dynamic hygrothermal behavior and energy performance analysis of a novel multilayer building envelope based on PCM and hemp concrete. Construction and Building Materials, 2022, 341, 127739.	7.2	13
4	Experimental investigation on the hygrothermal behavior of a new multilayer building envelope integrating PCM with bio-based material. Building and Environment, 2021, 201, 107995.	6.9	23
5	Assessment of hygrothermal behavior of newly straw-rape concrete material in various conditions. Heat and Mass Transfer, 2019, 55, 2785-2796.	2.1	2
6	Oxygen effect on structural and optical properties of zinc oxide. Surface Engineering, 2019, 35, 520-526.	2.2	9
7	Influence of slurried silica fume on microstructure and tritiated water diffusivity of cement pastes. Construction and Building Materials, 2017, 132, 85-93.	7.2	27
8	Experimental investigation of hygrothermal behavior of two bio-based building envelopes. Energy and Buildings, 2017, 139, 608-615.	6.7	28
9	Numerical investigation of the effect of non-isotherme sorption characteristics on hygrothermal behavior of two bio-based building walls. Journal of Building Engineering, 2016, 7, 263-272.	3.4	28
10	Effect of moisture and temperature on thermal properties of three bio-based materials. Construction and Building Materials, 2016, 111, 119-127.	7.2	69
11	Characterization and comparison of hygric properties of rape straw concrete and hemp concrete. Construction and Building Materials, 2016, 102, 679-687.	7.2	109
12	Effect of Temperature-dependent Sorption Characteristics on The Hygrothermal Behavior of Hemp Concrete. Energy Procedia, 2015, 78, 1449-1454.	1.8	17
13	Characterization of flax lime and hemp lime concretes: Hygric properties and moisture buffer capacity. Energy and Buildings, 2015, 88, 91-99.	6.7	134