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	Characterization of flax lime and hemp lime concretes: Hygric properties and moisture buffer capacity. Energy and Buildings, 2015, 88, 91-99.	6.7	134
2	Characterization and comparison of hygric properties of rape straw concrete and hemp concrete. Construction and Building Materials, 2016, 102, 679-687.	7.2	109
3	Effect of moisture and temperature on thermal properties of three bio-based materials. Construction and Building Materials, 2016, 111, 119-127.	7.2	69
4	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
5	Experimental investigation of hygrothermal behavior of two bio-based building envelopes. Energy and Buildings, 2017, 139, 608-615.	6.7	28
6	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
7	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
8	Effect of Temperature-dependent Sorption Characteristics on The Hygrothermal Behavior of Hemp Concrete. Energy Procedia, 2015, 78, 1449-1454.	1.8	17
9	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
10	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
11	Oxygen effect on structural and optical properties of zinc oxide. Surface Engineering, 2019, 35, 520-526.	2.2	9
12	Experimental investigation of hygrothermal behavior of wooden-frame house under real climate conditions. Energy and Built Environment, 2023, 4, 122-129.	5.9	7
13	Assessment of hygrothermal behavior of newly straw-rape concrete material in various conditions. Heat and Mass Transfer, 2019, 55, 2785-2796.	2.1	2