

# Florence Collet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6067630/publications.pdf>

Version: 2024-02-01

28  
papers

1,372  
citations

566801

15  
h-index

642321

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

800  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal conductivity of hemp concretes: Variation with formulation, density and water content. <i>Construction and Building Materials</i> , 2014, 65, 612-619.	3.2	232
2	Comparison of the hygric behaviour of three hemp concretes. <i>Energy and Buildings</i> , 2013, 62, 294-303.	3.1	176
3	Porous structure and water vapour sorption of hemp-based materials. <i>Construction and Building Materials</i> , 2008, 22, 1271-1280.	3.2	149
4	Life cycle assessment of a hemp concrete wall: Impact of thickness and coating. <i>Building and Environment</i> , 2014, 72, 223-231.	3.0	144
5	Hygric and thermal properties of hemp-lime plasters. <i>Building and Environment</i> , 2016, 96, 206-216.	3.0	107
6	Experimental investigation of moisture buffering capacity of sprayed hemp concrete. <i>Construction and Building Materials</i> , 2012, 36, 58-65.	3.2	89
7	Recommendation of the RILEM TC 236-BBM: characterisation testing of hemp shiv to determine the initial water content, water absorption, dry density, particle size distribution and thermal conductivity. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	1.3	88
8	Chemical and multi-physical characterization of agro-resourcesâ€™ by-product as a possible raw building material. <i>Industrial Crops and Products</i> , 2018, 120, 214-237.	2.5	77
9	Mechanical properties of hemp-clay and hemp stabilized clay composites. <i>Construction and Building Materials</i> , 2017, 155, 1126-1137.	3.2	50
10	Experimental highlight of hygrothermal phenomena in hemp concrete wall. <i>Building and Environment</i> , 2014, 82, 459-466.	3.0	47
11	Variability of the mechanical properties of hemp concrete. <i>Materials Today Communications</i> , 2016, 7, 122-133.	0.9	47
12	Development and characterization of thermal insulation materials from renewable resources. <i>Construction and Building Materials</i> , 2019, 214, 685-697.	3.2	39
13	Moisture buffer, fire resistance and insulation potential of novel bio-clay plaster. <i>Construction and Building Materials</i> , 2020, 244, 118353.	3.2	26
14	Effect of hemp content and clay stabilization on hygric and thermal properties of hemp-clay composites. <i>Construction and Building Materials</i> , 2021, 300, 123878.	3.2	25
15	Improvement of Water Resistance of Hemp Woody Substrates through Deposition of Functionalized Silica Hydrophobic Coating, While Retaining Excellent Moisture Buffering Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10151-10161.	3.2	19
16	Influence of hysteresis on the transient hygrothermal response of a hemp concrete wall. <i>Journal of Building Performance Simulation</i> , 2017, 10, 256-271.	1.0	15
17	Hemp-Straw Composites: Gluing Study and Multi-Physical Characterizations. <i>Materials</i> , 2019, 12, 1199.	1.3	14
18	Effect of bio-stabilizers on capillary absorption and water vapour transfer into raw earth. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Hygric and Thermal Properties of Bio-aggregate Based Building Materials. RILEM State-of-the-Art Reports, 2017, , 125-147.	0.3	9
20	Kinetics of sorption in bio-based materials: theory and simulation of a demonstrator wall. Proceedings of Institution of Civil Engineers: Construction Materials, 2021, 174, 129-139.	0.7	3
21	Effect of compaction on multi-physical properties of hemp-black liquor composites. Journal of Materials Research and Technology, 2020, 9, 2487-2494.	2.6	2
22	Development of a Method for Assessing Resistance to Mold Growth: Application to Bio-Based Composites. Revue Des Composites Et Des Matériaux Avances, 2019, 29, 261-274.	0.2	2
23	Hygrothermal Behavior of a Washing Fines "Hemp Wall under French and Tunisian Summer Climates: Experimental and Numerical Approach. Materials, 2022, 15, 1103.	1.3	1
24	Modelling the Hygrothermal Behaviour of Hemp Concrete: From Material to Building. Sustainable Agriculture Reviews, 2020, , 171-222.	0.6	0
25	Experimental Investigation of Air Conditioning in a Bi-climatic Room. Lecture Notes in Mechanical Engineering, 2021, , 442-448.	0.3	0
26	First Step towards the Upscaling of the Production of Washing Fines - Hemp Composite. Study of Multiphysical Properties. , 0, , .		0
27	Comparison of Numerical HMT Codes to Simulate MBV Test of Hemp-Earth Composites. , 0, , .		0
28	Experimental and Numerical Study of Hygrothermal Behaviour of a Washing Fines Hemp Test Wall. , 0, , .		0