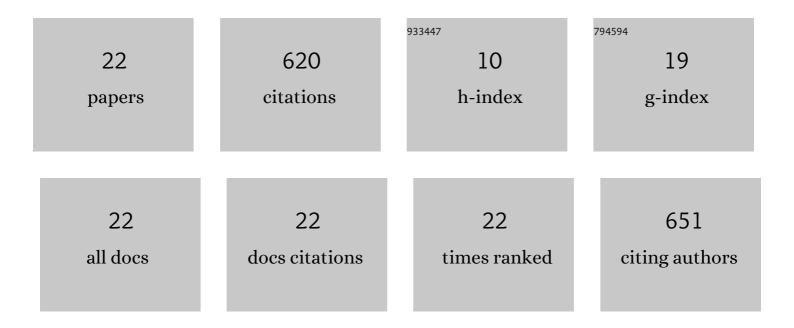
## Philippe Poullain

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Proportioning and characterization of lightweight concrete mixtures made with rigid polyurethane foam wastes. Cement and Concrete Composites, 2008, 30, 806-814.	10.7	157
2	Modeling of fluid–solid interaction in granular media with coupled lattice Boltzmann/discrete element methods: application to piping erosion. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 577-596.	3.3	98
3	3D printing for construction based on a complex wall of polymer-foam and concrete. Additive Manufacturing, 2019, 28, 58-64.	3.0	70
4	Fabrication, microstructure, and properties of fired clay bricks using construction and demolition waste sludge as the main additive. Journal of Cleaner Production, 2020, 258, 120733.	9.3	64
5	Internal erosion in granular media: direct numerical simulations and energy interpretation. Hydrological Processes, 2015, 29, 2149-2163.	2.6	57
6	Développements récents dans l'application de l'IRM à la rhéologie et à la mécanique des fluides. Comptes Rendus Chimie, 2004, 7, 275-282.	0.5	33
7	Influence of the kenaf fiber length on the mechanical and thermal properties of Compressed Earth Blocks (CEB). KSCE Journal of Civil Engineering, 2018, 22, 785-793.	1.9	32
8	Meso-scale investigation of failure in the tensile splitting test: Size effect and fracture energy analysis. Engineering Fracture Mechanics, 2016, 168, 242-259.	4.3	26
9	Earth buildings with local materials: Assessing the variability of properties measured using non-destructive methods. Construction and Building Materials, 2021, 281, 122613.	7.2	21
10	Transient Thermal Response of Lightweight Cementitious Composites Made with Polyurethane Foam Waste. International Journal of Thermophysics, 2012, 33, 1239-1258.	2.1	10
11	3â€D mesoscale simulation of crackâ€permeability coupling in the Brazilian splitting test. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 449-468.	3.3	10
12	On site deployment of 3D printing for the building construction – The case of Yhnova <sup>TM</sup> . MATEC Web of Conferences, 2018, 163, 01001.	0.2	10
13	Sensitivity analysis of the transient heat and moisture transfer in a single layer wall. European Journal of Environmental and Civil Engineering, 2020, 24, 2211-2229.	2.1	7
14	Experimental Characterization of Raw Earth Properties for Modeling Their Hygrothermal Behavior. Buildings, 2022, 12, 648.	3.1	7
15	A mixed POD–PGD approach to parametric thermal impervious soil modeling: Application to canyon streets. Sustainable Cities and Society, 2018, 42, 444-461.	10.4	6
16	The effect of particle shape on the marginal rigidity state in 2D granular media. Europhysics Letters, 2009, 86, 44003.	2.0	5
17	Assessment of the natural variability of cob buildings hygric and thermal properties at material scale: Influence of plants add-ons. Construction and Building Materials, 2022, 342, 127922.	7.2	4
18	Parametric PGD model used with orthogonal polynomials to assess efficiently the building's envelope thermal performance. Journal of Building Performance Simulation, 2021, 14, 132-154.	2.0	2

#	Article	IF	CITATIONS
19	Properties of Compressed Earth Blocks Made of Traditional Materials from Benin. Revue Des Composites Et Des Materiaux Avances, 2019, 29, 233-241.	0.6	1
20	Etude du couplage thermochimique au sein de matrices cimentaires en cours d'hydratation. Revue Européenne De Génie Civil, 2007, 11, 725-737.	0.0	0
21	Effect of Plant Fibres on the Variability of Cob Materials. , 0, , .		0
22	Synthesis of the Current Knowledge Concerning the Construction of French Traditional Cob Building for Giving Recommendations. , 0, , .		0