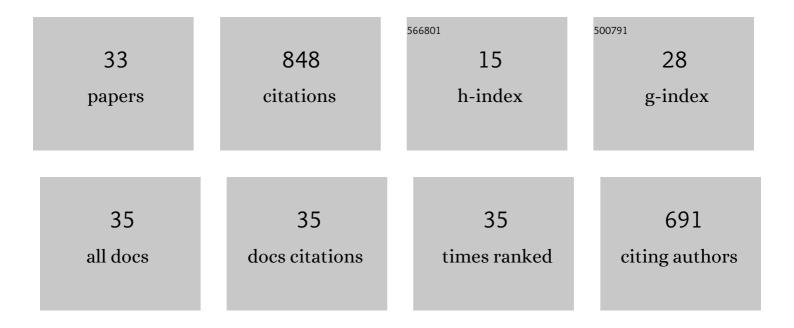
## **Christopher Ts Beckett**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1976205/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Optimum lime content identification for lime-stabilised rammed earth. Construction and Building Materials, 2014, 53, 59-65.	3.2	142
2	Life cycle analysis of environmental impact vs. durability of stabilised rammed earth. Construction and Building Materials, 2017, 142, 128-136.	3.2	97
3	Reduction of rammed earth's hygroscopic performance under stabilisation: an experimental investigation. Building and Environment, 2017, 115, 358-367.	3.0	60
4	Prediction of soil water retention properties using pore-size distribution and porosity. Canadian Geotechnical Journal, 2013, 50, 435-450.	1.4	51
5	Weathering the storm: A framework to assess the resistance of earthen structures to water damage. Construction and Building Materials, 2020, 242, 118098.	3.2	50
6	Rammed Earth incorporating Recycled Concrete Aggregate: a sustainable, resistant and breathable construction solution. Resources, Conservation and Recycling, 2018, 137, 11-20.	5.3	49
7	Effect of compaction water content on the strength of cement-stabilized rammed earth materials. Canadian Geotechnical Journal, 2014, 51, 583-590.	1.4	46
8	Earth as construction material in the circular economy context: practitioner perspectives on barriers to overcome. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200182.	1.8	42
9	Weathering's beneficial effect on waste-stabilised rammed earth: a chemical and microstructural investigation. Construction and Building Materials, 2017, 140, 157-166.	3.2	39
10	Measured and simulated thermal behaviour in rammed earth houses in a hot-arid climate. Part A: Structural behaviour. Journal of Building Engineering, 2018, 15, 243-251.	1.6	23
11	Macrostructural changes in compacted earthen construction materials under loading. Acta Geotechnica, 2013, 8, 423-438.	2.9	21
12	Alternative stabilised rammed earth materials incorporating recycled waste and industrial by-products: Life cycle assessment. Construction and Building Materials, 2021, 267, 120997.	3.2	20
13	Durability of cement-stabilised rammed earth: a case study in Western Australia. Australian Journal of Civil Engineering, 2016, 14, 54-62.	0.6	17
14	Rammed Earth Construction. , 0, , .		17
15	Alternative stabilised rammed earth materials incorporating recycled waste and industrial by-products: A study of mechanical properties, flexure and bond strength. Construction and Building Materials, 2021, 277, 122303.	3.2	16
16	The Effect of Relative Humidity and Temperature on the Unconfined Compressive Strength of Rammed Earth. , 2012, , 287-292.		16
17	Strength characterisation of soil-based construction materials. Geotechnique, 2018, 68, 400-409.	2.2	15
18	Tensile strengths of flocculated compacted unsaturated soils. Geotechnique Letters, 2015, 5, 254-260.	0.6	14

#	Article	IF	CITATIONS
19	Compaction conditions greatly affect growth during early plant establishment. Ecological Engineering, 2017, 106, 471-481.	1.6	14
20	Measured and simulated thermal behaviour in rammed earth houses in a hot-arid climate. Part B: Comfort. Journal of Building Engineering, 2017, 13, 146-158.	1.6	14
21	Corrosion protection of steel embedded in cement-stabilised rammed earth. Construction and Building Materials, 2018, 187, 942-953.	3.2	13
22	Alternative stabilised rammed earth materials incorporating recycled waste and industrial by-products: Durability with and without water repellent. Construction and Building Materials, 2020, 265, 120629.	3.2	10
23	Stabilization of an earthen material with Tung oil: compaction, strength and hydrophobic enhancement. Construction and Building Materials, 2021, 290, 123213.	3.2	10
24	Evaluation of the dynamic cone penetrometer to detect compaction in ripped soils. Soil and Tillage Research, 2018, 175, 150-157.	2.6	9
25	Water repellent soils: the case for unsaturated soil mechanics. E3S Web of Conferences, 2016, 9, 11011.	0.2	8
26	Reinforcement corrosion in cement- and alternatively-stabilised rammed earth materials. Construction and Building Materials, 2021, 274, 122045.	3.2	8
27	Experimental investigation on composite panels of cold-formed steel and timber. Engineering Structures, 2021, 247, 113186.	2.6	8
28	Centrifuge modelling of seepage through tailings embankments. International Journal of Physical Modelling in Geotechnics, 2016, 16, 18-30.	0.5	7
29	Evolution of meniscus structures in hydrophobic granular systems. Journal of Hydrology, 2021, 603, 126954.	2.3	5
30	Challenges in treating earthen construction materials as unsaturated soils. E3S Web of Conferences, 2016, 9, 03002.	0.2	3
31	First International Conference on Rammed Earth Construction: report. Proceedings of Institution of Civil Engineers: Construction Materials, 2016, 169, 271-275.	0.7	3
32	A Novel Image-Capturing Technique for the Experimental Study of Soil Deformations During Compaction. Geotechnical Testing Journal, 2011, 34, 571-578.	0.5	1
33	Structure creation in earthen construction materials: information from dry soil mixtures. Frontiers of Architecture and Civil Engineering in China, 2011, 5, 151-159.	0.4	0