

Christopher Ts Beckett

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

848
citations

566801

15
h-index

500791

28
g-index

35
all docs

35
docs citations

35
times ranked

691
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Compaction conditions greatly affect growth during early plant establishment. <i>Ecological Engineering</i> , 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. <i>Journal of Building Engineering</i> , 2017, 13, 146-158.	1.6	14
21	Corrosion protection of steel embedded in cement-stabilised rammed earth. <i>Construction and Building Materials</i> , 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. <i>Construction and Building Materials</i> , 2020, 265, 120629.	3.2	10
23	Stabilization of an earthen material with Tung oil: compaction, strength and hydrophobic enhancement. <i>Construction and Building Materials</i> , 2021, 290, 123213.	3.2	10
24	Evaluation of the dynamic cone penetrometer to detect compaction in ripped soils. <i>Soil and Tillage Research</i> , 2018, 175, 150-157.	2.6	9
25	Water repellent soils: the case for unsaturated soil mechanics. <i>E3S Web of Conferences</i> , 2016, 9, 11011.	0.2	8
26	Reinforcement corrosion in cement- and alternatively-stabilised rammed earth materials. <i>Construction and Building Materials</i> , 2021, 274, 122045.	3.2	8
27	Experimental investigation on composite panels of cold-formed steel and timber. <i>Engineering Structures</i> , 2021, 247, 113186.	2.6	8
28	Centrifuge modelling of seepage through tailings embankments. <i>International Journal of Physical Modelling in Geotechnics</i> , 2016, 16, 18-30.	0.5	7
29	Evolution of meniscus structures in hydrophobic granular systems. <i>Journal of Hydrology</i> , 2021, 603, 126954.	2.3	5
30	Challenges in treating earthen construction materials as unsaturated soils. <i>E3S Web of Conferences</i> , 2016, 9, 03002.	0.2	3
31	First International Conference on Rammed Earth Construction: report. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2016, 169, 271-275.	0.7	3
32	A Novel Image-Capturing Technique for the Experimental Study of Soil Deformations During Compaction. <i>Geotechnical Testing Journal</i> , 2011, 34, 571-578.	0.5	1
33	Structure creation in earthen construction materials: information from dry soil mixtures. <i>Frontiers of Architecture and Civil Engineering in China</i> , 2011, 5, 151-159.	0.4	0