

Microstructures and mechanical properties of hemp fabric nanocomposites

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of cotton fabric reinforced geopolymer composites at 200–1000 °C. Journal of Advanced Ceramics, 2014, 3, 184-193.	8.9	40
2	Effect of nano-particles and aminosilane interaction on the performances of cement-based composites: An experimental study. Construction and Building Materials, 2014, 66, 113-124.	3.2	72
3	Mechanical and thermal properties of ambient cured cotton fabric-reinforced fly ash-based geopolymer composites. Ceramics International, 2014, 40, 14019-14028.	2.3	46
4	Cement substitution by organoclay – The role of organoclay type. Cement and Concrete Composites, 2015, 62, 90-96.	4.6	14
5	Energy and environmental assessment of industrial hemp for building applications: A review. Renewable and Sustainable Energy Reviews, 2015, 51, 29-42.	8.2	166
6	Characteristics of nanoclay and calcined nanoclay-cement nanocomposites. Composites Part B: Engineering, 2015, 78, 174-184.	5.9	121
7	Thermal and mechanical properties of NaOH treated hemp fabric and calcined nanoclay-reinforced cement nanocomposites. Materials & Design, 2015, 80, 70-81.	5.1	30
8	Thermal stability of aluminum after friction stir processing with SiC nanoparticles. Materials & Design, 2015, 80, 41-50.	5.1	20
9	Effect of calcined nanoclay on microstructural and mechanical properties of chemically treated hemp fabric-reinforced cement nanocomposites. Construction and Building Materials, 2015, 95, 882-891.	3.2	40
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14	A review of recent research on the use of cellulosic fibres, their fibre fabric reinforced cementitious, geo-polymer and polymer composites in civil engineering. Composites Part B: Engineering, 2016, 92, 94-132.	5.9	431
15	Young's modulus and thermophysical performances of bio-sourced materials based on date palm fibers. Energy and Buildings, 2016, 129, 589-597.	3.1	33
16	Plain concrete cylinders and beams externally strengthened with natural flax fabric reinforced epoxy composites. Materials and Structures/Matériaux Et Constructions, 2016, 49, 2083-2095.	1.3	45
17	Hydration, microstructure and phase composition of composite cements containing nano-clay. Construction and Building Materials, 2016, 112, 19-27.	3.2	59
18	Influence of different types of nano-SiO ₂ particles on properties of high-performance concrete. Construction and Building Materials, 2016, 113, 188-201.	3.2	208

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19	Plant-based natural fibre reinforced cement composites: A review. <i>Cement and Concrete Composites</i> , 2016, 68, 96-108.	4.6	400
20	Effects of nano-clay particles on the short-term properties of self-compacting concrete. <i>European Journal of Environmental and Civil Engineering</i> , 2017, 21, 127-147.	1.0	42
21	Waterproof ultra-high toughness cementitious composites containing nano reservoir silts. <i>Construction and Building Materials</i> , 2017, 155, 770-779.	3.2	12
22	A review of nanoclay applications in the pervious concrete pavement. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	15
23	The effect of nano-MgO on the setting time, autogenous shrinkage, microstructure and mechanical properties of high performance cement paste and mortar. <i>Construction and Building Materials</i> , 2017, 156, 208-218.	3.2	65
24	Modifications of hemp twine for use as a fiber in cement composite: effects of hybrid treatments. <i>Cellulose</i> , 2018, 25, 2009-2020.	2.4	7
25	Influence of organoclay structural characteristics on properties and hydration of cement pastes. <i>Construction and Building Materials</i> , 2018, 166, 59-71.	3.2	15
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27	Properties of cement-based composites using nanoparticles: A comprehensive review. <i>Construction and Building Materials</i> , 2018, 189, 1019-1034.	3.2	133
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31	Morphological and mechanical properties of treated kenaf fiber/MMT clay reinforced PLA hybrid biocomposites. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	15
32	Flexural Strength and Thermal Conductivity of Fiber-Reinforced Calcium Silicate Boards Prepared from Fly Ash. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	1.3	14
33	From Nanostructural Characterization of Nanoparticles to Performance Assessment of Low Clinker Fiber-reinforced Cement Nanohybrids. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1938.	1.3	8
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37	Effect of MMT Clay on Mechanical, Thermal and Barrier Properties of Treated Aloe vera Fiber/ PLA-Hybrid Biocomposites. <i>Silicon</i> , 2020, 12, 1751-1760.	1.8	45
38	Laboratory evaluation of self-compacting fiber-reinforced concrete modified with hybrid of nanomaterials. <i>Construction and Building Materials</i> , 2020, 232, 117211.	3.2	45
39	Overview of Workability and Mechanical Performance of Cement-Based Composites Incorporating Nanomaterials. <i>Silicon</i> , 2022, 14, 135-144.	1.8	11
40	Effect of Nano-Silica on the Autogenous Shrinkage, Strength, and Hydration Heat of Ultra-High Strength Concrete. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5202.	1.3	17
41	Effect of fiber hybridization and montmorillonite clay on properties of treated kenaf/aloe vera fiber reinforced PLA hybrid nanobiocomposite. <i>Cellulose</i> , 2020, 27, 6977-6993.	2.4	23
42	A DOE approach to optimize the strength properties of concrete incorporated with different ratios of PVA fibre and nano-Fe ₂ O ₃ . <i>Advanced Composites Letters</i> , 2020, 29, 2633366X2091388.	1.3	22
43	Influence of Montmorillonite Clay Content on Thermal, Mechanical, Water Absorption and Biodegradability Properties of Treated Kenaf Fiber/ PLA-Hybrid Biocomposites. <i>Silicon</i> , 2021, 13, 109-118.	1.8	35
45	Effect of wool fiber addition on the reinforcement of loose sands by microbially induced carbonate precipitation (MICP): mechanical property and underlying mechanism. <i>Acta Geotechnica</i> , 2021, 16, 1401-1416.	2.9	39
46	Targeting functionalised carbon nanotubes at the interphase of Textile Reinforced Mortar (TRM) composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 144, 106330.	3.8	10
47	Mechanical behavior of cement composites reinforced by aligned Enset fibers. <i>Construction and Building Materials</i> , 2021, 304, 124607.	3.2	6
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50	Flexural behavior analysis and strength prediction of steel fiber-and-nanosilica reinforced rubber concrete. <i>Advances in Structural Engineering</i> , 2022, 25, 864-876.	1.2	0
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54	Effects of Cement and Nanoclay on the Characteristics of the Sand with Non-Plastic Fine Materials. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 4265-4280.	1.0	1
55	A state-of-the-art review on mechanical performance characterization and modelling of high-performance textile reinforced concretes. <i>Construction and Building Materials</i> , 2022, 347, 128521.	3.2	45
56	Investigation study of enhance the strength by using hybrid nano-composites on conventional cement concrete. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	2

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