

Origin of the thermoelectric behavior of steel fiber cement

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Thermoelectric behavior of carbon-cement composites. <i>Carbon</i> , 2002, 40, 2495-2497.	5.4	28
2	Composite materials for thermoelectric applications. <i>Engineering Materials and Processes</i> , 2003, , 101-124.	0.2	0
3	Effect of fiber content on the thermoelectric behavior of cement. <i>Journal of Materials Science</i> , 2004, 39, 4103-4106.	1.7	27
4	Electrically conductive cement-based materials. <i>Advances in Cement Research</i> , 2004, 16, 167-176.	0.7	137
5	Role of moisture in the Seebeck effect in cement-based materials. <i>Cement and Concrete Research</i> , 2005, 35, 810-812.	4.6	22
6	Early age stability of concrete pavement by using hybrid fiber together with MgO expansion agent in high altitude locality. <i>Construction and Building Materials</i> , 2013, 48, 685-690.	3.2	44
7	Energy harvesting from solar irradiation in cities using the thermoelectric behavior of carbon fiber reinforced cement composites. <i>RSC Advances</i> , 2014, 4, 48128-48134.	1.7	59
8	Enhanced thermoelectric effect of cement composite by addition of metallic oxide nanopowders for energy harvesting in buildings. <i>Construction and Building Materials</i> , 2016, 115, 576-581.	3.2	51
9	Smart textile reinforcement with embedded stainless steel yarns for the detection of wetting and infiltration in TRC structures. <i>Sensors and Actuators A: Physical</i> , 2016, 243, 139-150.	2.0	13
10	Capacitance-based nondestructive detection of aggregate proportion variation in a cement-based slab. <i>Composites Part B: Engineering</i> , 2018, 134, 18-27.	5.9	10
11	P- and n-type thermoelectric cement composites with CVD grown p- and n-doped carbon nanotubes: Demonstration of a structural thermoelectric generator. <i>Energy and Buildings</i> , 2019, 191, 151-163.	3.1	77
12	Multifunctional cement composites with expanded graphite for temperature monitoring of buildings. <i>Advances in Cement Research</i> , 2020, 32, 413-420.	0.7	6
13	Thermoelectric figure of merit enhancement in cement composites with graphene and transition metal oxides. <i>Materials Today Energy</i> , 2020, 18, 100492.	2.5	27
14	State of the art in composition, fabrication, characterization, and modeling methods of cement-based thermoelectric materials for low-temperature applications. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 137, 110361.	8.2	24
15	Experimental investigation of Seebeck effect in metakaolin-based geopolymer. <i>Construction and Building Materials</i> , 2021, 272, 121615.	3.2	10
16	High-performance cement/SWCNT thermoelectric nanocomposites and a structural thermoelectric generator device towards large-scale thermal energy harvesting. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14421-14438.	2.7	21
17	Thermoelectric Energy Harvesting from Single-Walled Carbon Nanotube Alkali-Activated Nanocomposites Produced from Industrial Waste Materials. <i>Nanomaterials</i> , 2021, 11, 1095.	1.9	13
18	Energy-harvesting concrete for smart and sustainable infrastructures. <i>Journal of Materials Science</i> , 2021, 56, 16243-16277.	1.7	15

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19	Thermoelectric energy harvesting using cement-based composites: a review. <i>Materials Today Energy</i> , 2021, 21, 100714.	2.5	27
20	Fiber-based thermoelectrics for solid, portable, and wearable electronics. <i>Energy and Environmental Science</i> , 2021, 14, 729-764.	15.6	143
21	Electrically conductive cement-based materials. <i>Advances in Cement Research</i> , 2004, 16, 167-176.	0.7	13
22	The applicability of shungite as an electrically conductive additive in cement composites. <i>Journal of Building Engineering</i> , 2022, 45, 103469.	1.6	7
23	Development and use of geopolymers for energy conversion: An overview. <i>Construction and Building Materials</i> , 2022, 315, 125774.	3.2	18
24	THE NATURE AND CONDITIONS OF FORMATION OF THERMOELECTRIC PROPERTIES IN NATURAL AND ARTIFICIAL LAYERED ALUMOSILICATES. <i>Ukrainian Chemistry Journal</i> , 2022, 88, 70-90.	0.1	0