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Electrical conduction behavior of cement-matrix composites

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#	Paper	IF	Citations
74	An improvement in electrical properties of asphalt concrete. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2002 , 17, 69-72	1	36
73	Piezoresistivity of Graphite Modified Asphalt-Based Composites. <i>Key Engineering Materials</i> , 2003 , 249, 391-396	0.4	26
72	Resistance heating using electrically conductive cements. <i>Advances in Cement Research</i> , 2004 , 16, 161-1668		38
71	Electromagnetic interference shielding reaching 70 dB in steel fiber cement. <i>Cement and Concrete Research</i> , 2004 , 34, 329-332	10.3	130
70	Electrically conductive cement-based materials. <i>Advances in Cement Research</i> , 2004 , 16, 167-176	1.8	104
69	Reply to discussion by Peter J. Tumidajski of the paper "Colloidal graphite as an admixture in cement and as a coating on cement for electromagnetic interference shielding" <i>Cement and Concrete Research</i> , 2005 , 35, 616-617	10.3	1
68	Effects of Strain and Damage on Strain-Sensing Ability of Carbon Fiber Cement. <i>Journal of Materials in Civil Engineering</i> , 2006 , 18, 355-360	3	28
67	Self-sensing of flexural damage and strain in carbon fiber reinforced cement and effect of embedded steel reinforcing bars. <i>Carbon</i> , 2006 , 44, 1496-1502	10.4	82
66	The role of electronic and ionic conduction in the electrical conductivity of carbon fiber reinforced cement. <i>Carbon</i> , 2006 , 44, 2130-2138	10.4	88
65	Spatially resolved self-sensing of strain and damage in carbon fiber cement. <i>Journal of Materials Science</i> , 2006 , 41, 4823-4831	4.3	16
64	Double percolation in the electrical conduction in carbon fiber reinforced cement-based materials. <i>Carbon</i> , 2007 , 45, 263-267	10.4	92
63	Electrical-resistance-based damage self-sensing in carbon fiber reinforced cement. <i>Carbon</i> , 2007 , 45, 710-716	10.4	78
62	Modelling the electrical properties of concrete for shielding effectiveness prediction. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 5366-5372	3	49
61	Theory of piezoresistivity for strain sensing in carbon fiber reinforced cement under flexure. <i>Journal of Materials Science</i> , 2007 , 42, 6222-6233	4.3	34
60	Activation energy and conduction in carbon fibre reinforced cement matrices. <i>Journal of Materials Science</i> , 2007 , 42, 2200-2203	4.3	26
59	Magnetic properties of the micro-silica/cement matrix with carbon-coated cobalt nanoparticles and free radical DPPH. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 4510-4514	3.9	5
58	Electrical-resistance-based Sensing of Impact Damage in Carbon Fiber Reinforced Cement-based Materials. <i>Journal of Intelligent Material Systems and Structures</i> , 2010 , 21, 83-105	2.3	57

57	Binders and Concretes. 2011 , 75-129		1
56	Sustainable monitoring of concrete structures: strength and durability performance of polymer-modified self-sensing concrete. <i>International Journal of Sustainable Engineering</i> , 2012 , 5, 170-174 ¹		4
55	Mechanical properties and corrosion of CAC mortars with carbon fibers. <i>Construction and Building Materials</i> , 2012 , 34, 91-96	6.7	40
54	Synthesis, electromagnetic reflection loss and oxidation resistance of pyrolytic carbon-Si ₃ N ₄ ceramics with dense Si ₃ N ₄ coating. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 1485-1489	6	28
53	Temperature and mixing effects on electrical resistivity of carbon fiber enhanced concrete. <i>Smart Materials and Structures</i> , 2013 , 22, 035021	3.4	27
52	Special Issue on Materials Innovations for Sustainable Infrastructure. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 825-828	3	6
51	Self-Sensing Properties of Alkali Activated Blast Furnace Slag (BFS) Composites Reinforced with Carbon Fibers. <i>Materials</i> , 2013 , 6, 4776-4786	3.5	42
50	Analysis of Characteristics of Electrically Conductive Asphalt Concrete Prepared by Multiplex Conductive Materials. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 871-879	3	38
49	Damage and corrosion of conductive asphalt concrete subjected to freeze-thaw cycles and salt. <i>Materials Research Innovations</i> , 2013 , 17, 240-245	1.9	13
48	Carbon filament yarn-based hybrid yarn for the heating of textile-reinforced concrete. <i>Journal of Industrial Textiles</i> , 2014 , 44, 183-197	1.6	6
47	Strain and damage sensing properties on multifunctional cement composites with CNF admixture. <i>Cement and Concrete Composites</i> , 2014 , 46, 90-98	8.6	161
46	Influence of micro-cracking on the composite resistivity of Engineered Cementitious Composites. <i>Cement and Concrete Research</i> , 2014 , 58, 1-12	10.3	108
45	Modelling and experimental investigation on mixing technique of graphite modified conductive asphalt mixture. <i>Materials Research Innovations</i> , 2014 , 18, S2-824-S2-828	1.9	
44	Influence of Carbon Nanotube Clustering on Mechanical and Electrical Properties of Cement Pastes. <i>Materials</i> , 2016 , 9,	3.5	28
43	Electrochemical aspects of the steel-concrete system. A review. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 2113-2125	2.6	19
42	Electrically conductive cement mortar: Incorporating rice husk-derived high-surface-area graphene. <i>Construction and Building Materials</i> , 2016 , 125, 632-642	6.7	34
41	Electrical percolation threshold of cementitious composites possessing self-sensing functionality incorporating different carbon-based materials. <i>Smart Materials and Structures</i> , 2016 , 25, 105005	3.4	91
40	Nanotube Cement Composites. 2016 , 579-602		1

39	Reinforcements and Composites with Special Properties. 2016 , 317-373		1
38	Sensory carbon fiber based textile-reinforced concrete for smart structures. <i>Journal of Intelligent Material Systems and Structures</i> , 2016 , 27, 469-489	2.3	31
37	Corrosion behavior of a steel bar embedded in a cement-based conductive composite. <i>Construction and Building Materials</i> , 2017 , 134, 388-396	6.7	11
36	A review on the chemical, mechanical and microstructural characterization of carbon nanotubes-cement based composites. <i>Construction and Building Materials</i> , 2017 , 154, 697-710	6.7	98
35	Optimising the Performance of Cement-Based Batteries. <i>Advances in Materials Science and Engineering</i> , 2017 , 2017, 1-14	1.5	4
34	Strain monitoring for a bending concrete beam by using piezoresistive cement-based sensors. <i>Construction and Building Materials</i> , 2018 , 167, 338-347	6.7	36
33	Electromagnetic wave absorption properties of cement-based composites filled with graphene nano-platelets and hollow glass microspheres. <i>Construction and Building Materials</i> , 2018 , 162, 280-285	6.7	32
32	Influence of polymer insertion on the dielectric, piezoelectric and acoustic properties of 1-0-3 polyurethane/cement-based piezo composite. <i>Materials Research Bulletin</i> , 2019 , 119, 110541	5.1	8
31	Functional Properties of a Pitch-Based Carbon Fiber-Mortar Composite as a Thin Overlay for Concrete Pavement. <i>Materials</i> , 2019 , 12,	3.5	2
30	Influence of Wear Test Parameters on the Electrical Contact Performance of Brass Alloy/Copper Contactors Under Fretting Wear. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 817-827	1.6	6
29	Comparison between cement paste and asphalt mastic modified by carbonaceous materials: Electrical and thermal properties. <i>Construction and Building Materials</i> , 2019 , 213, 121-130	6.7	11
28	Correlation between damage evolution and resistivity reaction of concrete in-filled with graphene nanoplatelets. <i>Construction and Building Materials</i> , 2019 , 208, 482-491	6.7	17
27	Development of sensing concrete: Principles, properties and its applications. <i>Journal of Applied Physics</i> , 2019 , 126, 241101	2.5	29
26	Mitigating the electromagnetic radiation by coupling use of waste cathode-ray tube glass and graphene oxide on cement composites. <i>Composites Part B: Engineering</i> , 2019 , 168, 25-33	10	19
25	Employing recycling materials for the fabrication of smart mortar. <i>Materials Today: Proceedings</i> , 2020 , 20, 397-402	1.4	1
24	Increasing self-sensing capability of carbon nanotubes cement-based materials by simultaneous addition of Ni nanofibers with low content. <i>Construction and Building Materials</i> , 2020 , 254, 119306	6.7	8
23	Biochar as a Conducting Filler to Enhance Electrical Conduction Monitoring for Concrete Structures. <i>Key Engineering Materials</i> , 2020 , 847, 149-154	0.4	2
22	Cement-based EMI shielding materials. 2020 , 333-340		2

21	On Correlation of Rheological, Thermal, Mechanical and Morphological Properties of Mechanically Blended PVDF-Graphene Composite for 4d Applications. 2021 ,		
20	Experimental study on smart concrete based on resistivity and damage monitoring. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 714, 032088	0.3	
19	Electrical properties of smart ultra-high performance concrete under various temperatures, humidities, and age of concrete. <i>Cement and Concrete Composites</i> , 2021 , 118, 103979	8.6	6
18	Lightning-Induced Magnetic Fields Inside Grid-Like Shields: An Improved Formula Complemented by a Polynomial Chaos Expansion. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 63, 558-570	2	0
17	Self-damage sensing of electrically conductive self-compacting concrete incorporating short carbon fibers. <i>Structural Control and Health Monitoring</i> , 2021 , 28, e2735	4.5	4
16	Investigation of the dispersion of multi-layer graphene nanoplatelets in cement composites using different superplasticiser treatments. <i>Construction and Building Materials</i> , 2021 , 293, 123543	6.7	4
15	Thermoelectric energy harvesting using cement-based composites: a review. <i>Materials Today Energy</i> , 2021 , 21, 100714	7	8
14	Enhancing the electromagnetic shielding and impact resistance of a reinforced concrete wall for protective structures. <i>Cement and Concrete Composites</i> , 2021 , 122, 104148	8.6	4
13	Experimental Study on the Piezoresistivity of Concrete Containing Steel Fibers, Carbon Black, and Graphene. <i>Frontiers in Materials</i> , 2021 , 8,	4	0
12	On Nanographene-Reinforced Polyvinylidene Fluoride Composite Matrix for 4D Applications. <i>Journal of Materials Engineering and Performance</i> , 2021 , 30, 4860-4871	1.6	5
11	The influence of sulfate availability on rheology of fresh cement paste. <i>Applied Rheology</i> , 2020 , 30, 54-63	1.2	2
10	Conductive Concrete for Electromagnetic Shielding Applications. <i>Advances in Civil Engineering Materials</i> , 2014 , 3, 20130107	0.7	9
9	Electrically conductive cement-based materials. <i>Advances in Cement Research</i> , 2004 , 16, 167-176	1.8	6
8	EFFECT OF VARYING HIGH AND LOW-SPEED CHURNERS ON THE DISPERSION OF CARBON FIBERS IN SELF-COMPACTING CONCRETE FOR FLOW AND ELECTRO MECHANICAL PROPERTIES. <i>I-manager Journal on Civil Engineering</i> , 2019 , 9, 9	1.3	1
7	Effect of Natural Graphite Fineness on the Performance and Electrical Conductivity of Cement Paste Mixes for Self-Sensing Structures. <i>Materials</i> , 2020 , 13,	3.5	6
6	Efecto de la adición de nanofibras de carbono en las propiedades mecánicas y de durabilidad de materiales cementantes. <i>Materiales De Construccion</i> , 2012 , 62, 343-357	1.8	25
5	Multifunctional behavior of composite beams incorporating hybridized carbon-based materials under cyclic loadings. <i>Engineering Structures</i> , 2022 , 250, 113429	4.7	1
4	Damage Management of Concrete Structures with Engineered Cementitious Materials and Natural Fibers: A Review of Potential Uses. <i>Sustainability</i> , 2022 , 14, 3917	3.6	

- 3 Research Progress in Environmental Response of Fiber Concrete and Its Functional Mechanisms. *Advances in Materials Science and Engineering*, **2022**, 2022, 1-26 1.5 ○
- 2 Experimental Investigation of Electrical Resistance Properties of High Performance Concretes Produced With Different Types of Additives. **2022**, 14, 958-966 ○
- 1 Effects of temperature and humidity on self-stress sensing capacity of smart concrete blocks. **2023**, 69, 106227 ○