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List of articles citing

**Negative piezoresistivity in continuous carbon fiber epoxy-matrix composite**

**DOI: 10.1007/s10853-006-0580-z**

**Journal of Materials Science, 2007, 42, 4987-4995.**

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**Version:** 2024-04-28

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#	Paper	IF	Citations
49	Piezoresistivity of unidirectional carbon/epoxy composites for multiaxial loading. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 1841-1846	8.6	69
48	Polymer nanocomposites reinforced with carbonaceous nanofillers and their piezoresistive behavior. <b>2010</b> , 404-430		
47	In situ strain monitoring of fiber-reinforced polymers using embedded piezoresistive nanocomposites. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 6786-6798	4.3	59
46	Electrical Properties. <i>Engineering Materials and Processes</i> , <b>2010</b> , 203-275		
45	Comments on Piezoresistive Effect in SiOC Ceramics for Integrated Pressure Sensors□ <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 289-289	3.8	3
44	Inverse Method for Estimating Resistivity of Carbon Fiber Composite Structures. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , <b>2011</b> , 133,	1.8	2
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42	Carbon materials for structural self-sensing, electromagnetic shielding and thermal interfacing. <i>Carbon</i> , <b>2012</b> , 50, 3342-3353	10.4	436
41	Strain monitoring of carbon fiber composite via embedded nickel nano-particles. <i>Composites Part B: Engineering</i> , <b>2012</b> , 43, 1155-1163	10	33
40	Spatial Sensing Using Electrical Impedance Tomography. <i>IEEE Sensors Journal</i> , <b>2013</b> , 13, 2357-2367	4	61
39	Through-thickness piezoresistivity in a carbon fiber polymer-matrix structural composite for electrical-resistance-based through-thickness strain sensing. <i>Carbon</i> , <b>2013</b> , 60, 129-138	10.4	47
38	Detection of spatially distributed damage in fiber-reinforced polymer composites. <i>Structural Health Monitoring</i> , <b>2013</b> , 12, 225-239	4.4	62
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35	Development of a portable electrical impedance tomography data acquisition system for near-real-time spatial sensing. <b>2015</b> ,		1
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33	Self-sensing and self-healing in composites. <b>2015</b> , 243-261		2

32	In situ sensing in glass fiber-reinforced polymer composites via embedded carbon nanotube thin films. <b>2016</b> , 327-352		1
31	Remote strain sensing of CFRP using microwave frequency domain reflectometry. <b>2016</b> ,		3
30	Continuous deformation monitoring by polymer-matrix carbon fiber sensitive layer. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2016</b> , 31, 705-712	1	2
29	Self-sensing structural composites in aerospace engineering. <b>2016</b> , 295-331		1
28	Structural health monitoring of carbon-material-reinforced polymers using electrical resistance measurement. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2016</b> , 3, 311-321	3.8	31
27	Nonmonotonic piezoresistive effect in elastomeric composite films. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	1
26	Through-thickness electric conductivity of toughened carbon-fibre-reinforced polymer laminates with resin-rich layers. <i>Composites Science and Technology</i> , <b>2016</b> , 122, 67-72	8.6	42
25	Influence of rigid segment and carbon nanotube concentration on the cyclic piezoresistive and hysteretic behavior of multiwall carbon nanotube/segmented polyurethane composites. <i>Composites Science and Technology</i> , <b>2016</b> , 128, 25-32	8.6	65
24	Processing-structure-property relationships of continuous carbon fiber polymer-matrix composites. <i>Materials Science and Engineering Reports</i> , <b>2017</b> , 113, 1-29	30.9	105
23	References. <b>2017</b> , 563-653		
22	Piezoresistive Properties of Multi-Walled Carbon Nanotube/Silicone Rubber Composites under Cyclic Loads with AC Excitation. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1168, 022075	0.3	1
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18	Fabrication of flexible piezoresistive sensors based on RTV-silicone and milled carbon fibers and the temperature's effect on their electric resistance. <i>Sensors and Actuators A: Physical</i> , <b>2020</b> , 302, 111813	3.9	5
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16	Nonlinear Piezoresistive Behavior of Plain-Woven Carbon Fiber Reinforced Polymer Composite Subjected to Tensile Loading. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1366	2.6	4
15	A Review on the Usage of Continuous Carbon Fibers for Piezoresistive Self Strain Sensing Fiber Reinforced Plastics. <i>Journal of Composites Science</i> , <b>2021</b> , 5, 96	3	6

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13	Material design and performance improvement of conductive asphalt concrete incorporating carbon fiber and iron tailings. <i>Construction and Building Materials</i> , <b>2021</b> , 303, 124446	6.7	6
12	Piezopermittivity for capacitance-based strain/stress sensing. <i>Sensors and Actuators A: Physical</i> , <b>2021</b> , 332, 113028	3.9	3
11	Measurement of Two-Dimensional Electrical Potential Fields in CFRP using Four-Probe Resistance Scans. <i>Journal of Physics Communications</i> ,	1.2	2
10	FEM-aided Identification of Gage Factors of Unidirectional CFRP by Multipoint Potential Measurement. <i>Journal of the Japan Society for Composite Materials</i> , <b>2012</b> , 38, 41-50	0.1	
9	Comparison of Electrical Contacting Techniques to Carbon Fiber Reinforced Plastics for Self-Strain-Sensing Applications. <i>Journal of Carbon Research</i> , <b>2021</b> , 7, 81	3.3	1
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4	Extrusion-Based 3D Printing of Stretchable Electronic Coating for Condition Monitoring of Suction Cups. <b>2022</b> , 13, 1606		2
3	A review to elucidate the multi-faceted science of the electrical-resistance-based strain/temperature/damage self-sensing in continuous carbon fiber polymer-matrix structural composites. <b>2023</b> , 58, 483-526		0
2	Concerning the Influence of Current Inhomogeneity on Self-Strain-Sensing Properties of Carbon Fiber Reinforced Plastics. <b>2023</b> , 55-117		0
1	Electrical Homogeneity and Fiber Waviness: Predominant Factors for Self-Strain-Sensing Carbon Fiber StructuresA Literature Study. <b>2023</b> , 21-53		0