

Through-thickness stress sensing of a carbon fiber poly electrical resistance measurement

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of CFRC layers on the electrical properties and failure mode of RC beams strengthened with CFRC composites. <i>Smart Materials and Structures</i> , 2007, 16, 2056-2062.	1.8	20
2	An Experimental Study of Self-diagnosis of Interlaminar Damage in Carbon-fiber Composites. <i>Journal of Intelligent Material Systems and Structures</i> , 2010, 21, 233-242.	1.4	11
4	Electrical Properties. <i>Engineering Materials and Processes</i> , 2010, , 203-275.	0.2	0
5	Indentation-Damage Visualization in CFRP by Resistive Heating: Analytical Verification of The Inspection of Aircraft Using Its Lightning Protection Systems. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2012, 6, 213-226.	0.5	5
6	Impact-damage visualization in CFRP by resistive heating: Development of a new detection method for indentations caused by impact loads. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 53-64.	3.8	40
8	Carbon materials for structural self-sensing, electromagnetic shielding and thermal interfacing. <i>Carbon</i> , 2012, 50, 3342-3353.	5.4	507
9	Piezoresistive response to changes in contributive tunneling film network of carbon nanotube/silicone rubber composite under multi-load/unload. <i>Sensors and Actuators A: Physical</i> , 2013, 189, 45-54.	2.0	51
10	Through-thickness piezoresistivity in a carbon fiber polymer-matrix structural composite for electrical-resistance-based through-thickness strain sensing. <i>Carbon</i> , 2013, 60, 129-138.	5.4	63
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13	Self-sensing structural composites in aerospace engineering. , 2016, , 295-331.		3
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16	Capacitance-based stress self-sensing in cement paste without requiring any admixture. <i>Cement and Concrete Composites</i> , 2018, 94, 255-263.	4.6	22
17	Effect of the planar coil and linear arrangements of continuous carbon fiber tow on the electromagnetic interference shielding effectiveness, with comparison of carbon fibers with and without nickel coating. <i>Carbon</i> , 2019, 152, 898-908.	5.4	43
19	A review of multifunctional polymer-matrix structural composites. <i>Composites Part B: Engineering</i> , 2019, 160, 644-660.	5.9	114
20	FEM-aided identification of gauge factors of unidirectional CFRP through multi-point potential measurements. <i>Advanced Composite Materials</i> , 2019, 28, 37-55.	1.0	12
21	Electret behavior of carbon fiber structural composites with carbon and polymer matrices, and its application in self-sensing and self-powering. <i>Carbon</i> , 2020, 160, 361-389.	5.4	31

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22	Self-healing and self-sensing smart polymer composites. , 2021, , 307-357.		1
23	Smart Protection of Carbon-Reinforced Composite Materials and CFRP-Metal Joints. , 2021, , 429-449.		1
24	FEM-aided Identification of Gage Factors of Unidirectional CFRP by Multipoint Potential Measurement. Journal of the Japan Society for Composite Materials, 2012, 38, 41-50.	0.1	0
25	Enhanced piezoresistive sensing of fiber-reinforced composites via embedded nanoparticles. , 2019, , .		0
26	Creep evaluation and temperature dependence in self-sensing micro carbon polymer-based composites for further development as an Internet of Things Sensor device. Journal of Composite Materials, 2022, 56, 961-973.	1.2	3
27	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. Journal of Materials Science, 2023, 58, 483-526.	1.7	7