

Composites get smart

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Citation Report

#	ARTICLE	IF	CITATIONS
1	EMI Shielding Effectiveness of Copper/Epoxy Composites. <i>Polymers and Polymer Composites</i> , 2005, 13, 657-668.	1.0	8
2	Cement based electromagnetic shielding and absorbing building materials. <i>Cement and Concrete Composites</i> , 2006, 28, 468-474.	4.6	231
3	Vibration of beams with embedded piezoelectric sensors and actuators. <i>Smart Materials and Structures</i> , 2006, 15, 529-537.	1.8	7
4	Vibration of beams with piezoelectric inclusions. <i>International Journal of Solids and Structures</i> , 2007, 44, 2509-2522.	1.3	14
5	Development and testing of a nodal resistance measurement (NRM) system for composite structures. <i>Measurement: Journal of the International Measurement Confederation</i> , 2008, 41, 763-773.	2.5	4
6	Thermoelectric behavior of carbon fiber reinforced lightweight concrete with mineral admixtures. <i>New Carbon Materials</i> , 2008, 23, 21-24.	2.9	38
7	Multifunctional materials: engineering applications and processing challenges. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 49, 803-826.	1.5	100
8	Development and testing of a self-deformed composite material. <i>Composite Structures</i> , 2010, 92, 306-311.	3.1	5
9	Composite Material Structure and Processing. <i>Engineering Materials and Processes</i> , 2010, , 1-34.	0.2	5
10	Electrical resistivity as a measure of change of state in substrates: Design, development and validation of an automated system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2011, 44, 159-163.	2.5	13
11	Strain Measurement in Two-Dimension Stresses Based on Polymer-Matrix Carbon Fiber Smart Stripes. <i>Advanced Materials Research</i> , 2011, 211-212, 480-484.	0.3	2
12	Simultaneous Application of Fibrous Piezoresistive Sensors for Compression and Traction Detection in Glass Laminate Composites. <i>Sensors</i> , 2011, 11, 9478-9498.	2.1	36
13	Intelligent carbon fibre composite based on 3D-interlock woven reinforcement. <i>Textile Research Journal</i> , 2012, 82, 931-944.	1.1	20
14	Microstructure and metalâ€“dielectric transition behaviour in a percolative Al ₂ O ₃ â€“Fe composite via selective reduction. <i>RSC Advances</i> , 2013, 3, 26110.	1.7	14
15	Experimental characterization of interfacial adhesion of an optical fiber embedded in a composite material. <i>International Journal of Adhesion and Adhesives</i> , 2013, 41, 144-151.	1.4	12
16	INTERACTIONS BETWEEN MULTIPLE ENRICHMENTS IN EXTENDED FINITE ELEMENT ANALYSIS OF SHORT FIBER REINFORCED COMPOSITES. <i>International Journal for Multiscale Computational Engineering</i> , 2015, 13, 507-531.	0.8	4
17	Modeling Random Short Nanofiber- and Microfiber-Reinforced Composites Using the Extended Finite-Element Method. <i>Journal of Nanomechanics & Micromechanics</i> , 2015, 5, .	1.4	7
18	XFEM modeling of short microfiber reinforced composites with cohesive interfaces. <i>Finite Elements in Analysis and Design</i> , 2015, 106, 16-31.	1.7	48

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19	Polypropylene Composites Manufactured from Recycled Carbon Fibers from Aeronautic Materials Waste. <i>Materials Research</i> , 2017, 20, 519-525.	0.6	22
20	Electromagnetic radiation detection in 0-3 cement-PZT composite under impact loading. <i>Integrated Ferroelectrics</i> , 2018, 192, 67-79.	0.3	8
21	State of the Art on Sensing Capability of Poorly or Nonconductive Matrixes with a Special Focus on Portland Cement-Based Materials. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	1.3	5
22	TiO ₂ -based Photocatalytic Cementitious Composites: Materials, Properties, Influential Parameters, and Assessment Techniques. <i>Nanomaterials</i> , 2019, 9, 1444.	1.9	92
23	A REVIEW ON SANDWICH COMPOSITES AND THEIR ADVANCEMENTS. <i>Materials Today: Proceedings</i> , 2019, 16, 1146-1151.	0.9	7
24	Additive manufacturing of cementitious composites: Materials, methods, potentials, and challenges. <i>Construction and Building Materials</i> , 2019, 218, 582-609.	3.2	107
25	High-Performance Graphene-Based Cementitious Composites. <i>Advanced Science</i> , 2019, 6, 1801195.	5.6	73
26	Recovery of electronic wastes as fillers for electromagnetic shielding in building components: An LCA study. <i>Journal of Cleaner Production</i> , 2021, 280, 124593.	4.6	14
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30	Materials and Properties. <i>RILEM State-of-the-Art Reports</i> , 2016, , 9-29.	0.3	0
32	Extraction of TiO ₂ from kaolin deposits in the Central Region, Ghana: An alternative material for the formulation of climate-smart Portland cement. <i>Materials Today: Proceedings</i> , 2022, 66, 2559-2567.	0.9	2
33	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. <i>Journal of Materials Science</i> , 2023, 58, 483-526.	1.7	7