

A review on basalt fibre and its composites

Composites Part B: Engineering

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Experimental Analysis of Repaired Masonry Elements with Flax-FRCM and PBO-FRCM Composites Subjected to Axial Bending Loads. <i>Fibers</i> , 2015, 3, 491-503.	1.8	14
2	A Numerical Failure Analysis of Multi-bolted Joints in FRP Laminates Based on Basalt Fibers. <i>Procedia Engineering</i> , 2015, 109, 492-506.	1.2	23
3	Strengthening masonry vaults with organic and inorganic composites: An experimental approach. <i>Materials and Design</i> , 2015, 85, 102-114.	3.3	38
4	Behaviour of woven hybrid basalt-carbon/epoxy composites subjected to laser shock wave testing: Preliminary results. <i>Composites Part B: Engineering</i> , 2015, 78, 162-173.	5.9	25
5	Comparative Analysis of the Thermal Insulation of Traditional and Newly Designed Protective Clothing for Foundry Workers. <i>Polymers</i> , 2016, 8, 348.	2.0	6
6	Effect of Mineral Admixture and Fibers on Shrinkage Crack of Sacrificial Concrete. <i>Journal of Advanced Concrete Technology</i> , 2016, 14, 502-510.	0.8	5
7	Effects of surface treatments on Mechanical properties of Continuous basalt fibre cords and their Adhesion with rubber matrix. <i>Fibers and Polymers</i> , 2016, 17, 910-916.	1.1	23
8	Investigations on mechanical performance of cementitious composites micro-engineered with poly vinyl alcohol fibers. <i>Construction and Building Materials</i> , 2016, 128, 136-147.	3.2	25
9	Comparison of mechanical and tribotechnical properties of UHMWPE reinforced with basalt fibers and particles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 156, 012026.	0.3	6
10	Modeling of Falling Weight Impact Behavior of Hybrid Basalt/Flax Vinylester Composites. <i>Procedia Engineering</i> , 2016, 167, 223-230.	1.2	32
11	Pull-off adhesion of hybrid glass-steel adhesive joints in salt fog environment. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 2157-2174.	1.4	12
12	Tensile Behaviors of Basalt, Carbon, Glass, and Aramid Fabrics under Various Strain Rates. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	36
13	Corrosion behaviour and mechanism of basalt fibres in acidic and alkaline environments. <i>Corrosion Science</i> , 2016, 110, 15-22.	3.0	32
14	Mechanical and interfacial properties of bare basalt fiber. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 2175-2187.	1.4	16
15	A review of recent research on the use of cellulosic fibres, their fibre fabric reinforced cementitious, geo-polymer and polymer composites in civil engineering. <i>Composites Part B: Engineering</i> , 2016, 92, 94-132.	5.9	431
16	Mechanical behavior of basalt fibers in a basalt-UP composite. <i>Procedia Structural Integrity</i> , 2016, 1, 82-89.	0.3	28
17	Mechanical behavior of Kevlar/basalt reinforced polypropylene composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 90, 642-652.	3.8	80
18	Interaction of ZrB ₂ -MoSi ₂ Ceramics with Basalt Melt. <i>Powder Metallurgy and Metal Ceramics</i> , 2016, 55, 355-360.	0.4	1

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19	Creep behaviour of injection-moulded basalt fibre reinforced poly(lactic acid) composites. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 1600-1610.	1.6	20
20	Mechanical properties of basalt fiber reinforced composites manufactured with different vacuum assisted impregnation techniques. <i>Composites Part B: Engineering</i> , 2016, 104, 35-43.	5.9	55
21	Enhanced mechanical properties of unidirectional basalt fiber/epoxy composites using silane-modified Na ⁺ -montmorillonite nanoclay. <i>Polymer Testing</i> , 2016, 55, 135-142.	2.3	80
22	Preparation of activated aluminum-coated basalt fiber mat for defluoridation from drinking water. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 78, 331-338.	1.1	7
23	Bending properties of carbon/glass and carbon/aramid fabric composites with various stacking structures by the VARTM method. <i>Fibers and Polymers</i> , 2016, 17, 600-607.	1.1	7
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25	Experimental and numerical study of basalt fibre cloth strengthened structural insulated panel under windborne debris impact. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 1302-1317.	1.6	16
26	Tensile mechanical properties of basalt fiber reinforced polymer composite under varying strain rates and temperatures. <i>Polymer Testing</i> , 2016, 51, 29-39.	2.3	75
27	Low velocity impact response of basalt-aluminium fibre metal laminates. <i>Materials and Design</i> , 2016, 98, 98-107.	3.3	59
28	The durability of basalt fibres reinforced polymer (BFRP) panels for cladding. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 2053-2064.	1.3	16
29	On the mechanical characterizations of unidirectional basalt fiber/epoxy laminated composites with 3-glycidoxypropyltrimethoxysilane functionalized multi-walled carbon nanotubesâ€‘enhanced matrix. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 421-434.	1.6	41
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33	Effects of water absorption on Napier grass fibre/polyester composites. <i>Composite Structures</i> , 2016, 144, 138-146.	3.1	94
34	Effects of aging in salt spray conditions on flax and flax/basalt reinforced composites: Wettability and dynamic mechanical properties. <i>Composites Part B: Engineering</i> , 2016, 93, 35-42.	5.9	53
35	Experimental study on basalt FRP/steel single-lap joints under different loading rates and temperatures. <i>Composite Structures</i> , 2016, 145, 68-79.	3.1	41
36	Basalt fiber ropes and rods: Durability tests for their use in building engineering. <i>Journal of Building Engineering</i> , 2016, 5, 142-150.	1.6	51

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38	Effect of external basalt layers on durability behaviour of flax reinforced composites. Composites Part B: Engineering, 2016, 84, 258-265.	5.9	106
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40	Usability of basalt fibres in fibre reinforced cement composites. Materials and Structures/Materiaux Et Constructions, 2016, 49, 3309-3319.	1.3	35
41	Effect of silane/nano-silica on the mechanical properties of basalt fiber reinforced epoxy composites. Composite Interfaces, 2017, 24, 13-34.	1.3	57
42	A Review of the Recent Advances in Cyclic Butylene Terephthalate Technology and its Composites. Critical Reviews in Solid State and Materials Sciences, 2017, 42, 173-217.	6.8	22
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99	Mechanical properties of lime-treated clay reinforced with different types of randomly distributed fibers. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	29
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