

Fabio C Garcia Filho

List of Publications by Year in descending order

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docs citations

77
times ranked

1001
citing authors

#	ARTICLE	IF	CITATIONS
1	Fique Fabric: A Promising Reinforcement for Polymer Composites. <i>Polymers</i> , 2018, 10, 246.	2.0	92
2	Technological performance of a natural fibre reinforced cement-based mortars. <i>Journal of Building Engineering</i> , 2021, 33, 101675.	1.6	92
3	Effect of Graphene Oxide Coating on Natural Fiber Composite for Multilayered Ballistic Armor. <i>Polymers</i> , 2019, 11, 1356.	2.0	72
4	Graphene-Incorporated Natural Fiber Polymer Composites: A First Overview. <i>Polymers</i> , 2020, 12, 1601.	2.0	69
5	Promising Mechanical, Thermal, and Ballistic Properties of Novel Epoxy Composites Reinforced with <i>Cyperus malaccensis</i> Sedge Fiber. <i>Polymers</i> , 2020, 12, 1776.	2.0	62
6	Composites with Natural Fibers and Conventional Materials Applied in a Hard Armor: A Comparison. <i>Polymers</i> , 2020, 12, 1920.	2.0	58
7	Thermal behavior of graphene oxide-coated piassava fiber and their epoxy composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5343-5351.	2.6	50
8	Ballistic performance of multilayered armor with intermediate polyester composite reinforced with fique natural fabric and fibers. <i>Journal of Materials Research and Technology</i> , 2019, 8, 4221-4226.	2.6	49
9	Performance of jute non-woven mat reinforced polyester matrix composite in multilayered armor. <i>Journal of Materials Research and Technology</i> , 2018, 7, 535-540.	2.6	45
10	Cantor-derived medium-entropy alloys: bridging the gap between traditional metallic and high-entropy alloys. <i>Journal of Materials Research and Technology</i> , 2022, 17, 1868-1895.	2.6	44
11	Charpy impact tenacity of epoxy matrix composites reinforced with aligned jute fibers. <i>Journal of Materials Research and Technology</i> , 2017, 6, 312-316.	2.6	43
12	Durability of Soil-Cement Blocks with the Incorporation of Limestone Residues from the Processing of Marble. <i>Materials Research</i> , 2018, 21, .	0.6	41
13	Ballistic behavior of epoxy matrix composites reinforced with piassava fiber against high energy ammunition. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1734-1741.	2.6	41
14	Thermal and structural characterization of buriti fibers and their relevance in fabric reinforced composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 115-123.	2.6	40
15	Performance of Plain Woven Jute Fabric-Reinforced Polyester Matrix Composite in Multilayered Ballistic System. <i>Polymers</i> , 2018, 10, 230.	2.0	39
16	Guaruman fiber: another possible reinforcement in composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 622-628.	2.6	37
17	Ballistic performance and statistical evaluation of multilayered armor with epoxy-fique fabric composites using the Weibull analysis. <i>Journal of Materials Research and Technology</i> , 2019, 8, 5899-5908.	2.6	35
18	Evaluation and application of sintered red mud and its incorporated clay ceramics as materials for building construction. <i>Journal of Materials Research and Technology</i> , 2020, 9, 2186-2195.	2.6	34

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19	Piassava Fiber as an Epoxy Matrix Composite Reinforcement for Ballistic Armor Applications. <i>Jom</i> , 2019, 71, 801-808.	0.9	33
20	Combining severe plastic deformation and precipitation to enhance mechanical strength and electrical conductivity of Cu-0.65Cr-0.08Zr alloy. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5953-5961.	2.6	33
21	Comparative analysis between properties and microstructures of geopolymetric concrete and portland concrete. <i>Journal of Materials Research and Technology</i> , 2018, 7, 606-611.	2.6	32
22	Mechanical properties and microstructure of SMAW welded and thermally treated HSLA-80 steel. <i>Journal of Materials Research and Technology</i> , 2018, 7, 598-605.	2.6	30
23	Natural Fibers Reinforced Polymer Composites Applied in Ballistic Multilayered Armor for Personal Protection—An Overview. <i>Minerals, Metals and Materials Series</i> , 2019, , 33-47.	0.3	29
24	Tucum Fiber from Amazon <i>Astrocaryum vulgare</i> Palm Tree: Novel Reinforcement for Polymer Composites. <i>Polymers</i> , 2020, 12, 2259.	2.0	27
25	Reinforcement of Polyester with Renewable Ramie Fibers. <i>Materials Research</i> , 2017, 20, 51-59.	0.6	26
26	Ballistic Performance of Ramie Fabric Reinforcing Graphene Oxide-Incorporated Epoxy Matrix Composite. <i>Polymers</i> , 2020, 12, 2711.	2.0	25
27	Statistical analysis of notch toughness of epoxy matrix composites reinforced with fique fabric. <i>Journal of Materials Research and Technology</i> , 2019, 8, 6051-6057.	2.6	22
28	Copernicia Prunifera Leaf Fiber: A Promising New Reinforcement for Epoxy Composites. <i>Polymers</i> , 2020, 12, 2090.	2.0	21
29	Welding Joints in High Entropy Alloys: A Short-Review on Recent Trends. <i>Materials</i> , 2020, 13, 1411.	1.3	21
30	Development and characterization of WPCs produced with high amount of wood residue. <i>Journal of Materials Research and Technology</i> , 2020, 9, 9684-9690.	2.6	19
31	Characterization of Polyester Nanocomposites Reinforced with Conifer Fiber Cellulose Nanocrystals. <i>Polymers</i> , 2020, 12, 2838.	2.0	18
32	Ballistic performance of boron carbide nanoparticles reinforced ultra-high molecular weight polyethylene (UHMWPE). <i>Journal of Materials Research and Technology</i> , 2022, 17, 1799-1811.	2.6	18
33	Energy Absorption and Limit Velocity of Epoxy Composites Incorporated with Fique Fabric as Ballistic Armor—A Brief Report. <i>Polymers</i> , 2021, 13, 2727.	2.0	16
34	Evaluation of the Projectile's loss of Energy in Polyester Composite Reinforced with Fique Fiber and Fabric. <i>Materials Research</i> , 2019, 22, .	0.6	16
35	Surface Treatments of Coffee Husk Fiber Waste for Effective Incorporation into Polymer Biocomposites. <i>Polymers</i> , 2021, 13, 3428.	2.0	14
36	Mechanical Properties of <i>Boehmeria nivea</i> Natural Fabric Reinforced Epoxy Matrix Composite Prepared by Vacuum-Assisted Resin Infusion Molding. <i>Polymers</i> , 2020, 12, 1311.	2.0	13

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37	Technological Characterization of PET/Polyethylene Terephthalate-Added Soil-Cement Bricks. <i>Materials</i> , 2021, 14, 5035.	1.3	12
38	Dynamic Mechanical Behavior of Graphene Oxide Functionalized Curaua Fiber-Reinforced Epoxy Composites: A Brief Report. <i>Polymers</i> , 2021, 13, 1897.	2.0	11
39	Thermochemical and structural characterization of promising carnauba novel leaf fiber (Copernicia) Tj ETQq1 1 0.784314 rgBT/Overlo 2.6	2.6	11
40	Impact Resistance of Epoxy Composites Reinforced with Amazon Guaruman Fiber: A Brief Report. <i>Polymers</i> , 2021, 13, 2264.	2.0	10
41	Dynamic Mechanical Analysis of Thermally Aged Fique Fabric-Reinforced Epoxy Composites. <i>Polymers</i> , 2021, 13, 4037.	2.0	10
42	Impact and Tensile Properties of Polyester Nanocomposites Reinforced with Conifer Fiber Cellulose Nanocrystal: A Previous Study Extension. <i>Polymers</i> , 2021, 13, 1878.	2.0	9
43	The Effect of Dialkyl Peroxide Crosslinking on the Properties of LLDPE and UHMWPE. <i>Polymers</i> , 2021, 13, 3062.	2.0	9
44	Evaluation of Dynamic Mechanical Properties of Fique Fabric/Epoxy Composites. <i>Materials Research</i> , 2019, 22, .	0.6	9
45	Enhancement of impact toughness using graphene oxide in epoxy composite reinforced with ramie fabric. <i>Composite Structures</i> , 2022, 282, 115023.	3.1	9
46	Influence of Rigid Brazilian Natural Fiber Arrangements in Polymer Composites: Energy Absorption and Ballistic Efficiency. <i>Journal of Composites Science</i> , 2021, 5, 201.	1.4	7
47	Processing and characterization of Arapaima gigas scales and their reinforced epoxy composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 3005-3012.	2.6	6
48	Novel methods for dislocation density estimation in highly compacted tangles. <i>Journal of Materials Research and Technology</i> , 2020, 9, 2072-2078.	2.6	5
49	Piassava Fibers: Morphologic and Spectroscopic Aspects. <i>Minerals, Metals and Materials Series</i> , 2019, , 125-131.	0.3	4
50	Tensile Properties of Epoxy Matrix Reinforced with Fique Fabric. <i>Materials Science Forum</i> , 2020, 1012, 14-19.	0.3	4
51	Synthesis of novel low bandgap random and block terpolymers with improved performance in organic solar cells. <i>Journal of Materials Research and Technology</i> , 2021, 10, 51-65.	2.6	4
52	Influence of Glass Residue Addition on the Properties of Adhesive Mortar. <i>Materials Science Forum</i> , 0, 930, 158-163.	0.3	3
53	Ballistic Test of Multilayered Armor with Intermediate Polyester Composite Reinforced with Fique Fabric. <i>Minerals, Metals and Materials Series</i> , 2019, , 161-167.	0.3	3
54	Comparison of Interfacial Adhesion Between Polyester and Epoxy Matrix Composites Reinforced with Fique Natural Fiber. <i>Minerals, Metals and Materials Series</i> , 2019, , 69-76.	0.3	3

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55	Fique Fiber-Reinforced Epoxy Composite for Ballistic Armor Against 7.62 mm Ammunition. Minerals, Metals and Materials Series, 2019, , 193-199.	0.3	3
56	On the gular sac tissue of the brown pelican: Structural characterization and mechanical properties. Acta Biomaterialia, 2020, 118, 161-181.	4.1	3
57	Graphene Oxide Surface Treatment on Piassava Fiber Attalea funifera to Improve Adhesion in Epoxy Matrix. Journal of Natural Fibers, 2022, 19, 8568-8581.	1.7	3
58	Thermal Behavior of Epoxy Composites Reinforced with Fique Fabric by DSC. Minerals, Metals and Materials Series, 2019, , 101-106.	0.3	2
59	Evaluation of Buriti Fabric as Reinforcement of Polymeric Matrix Composite for Ballistic Application as Multilayered Armor System. Minerals, Metals and Materials Series, 2019, , 177-183.	0.3	2
60	Effect of the Incorporation of Marble Waste in the Properties of Clay Ceramic Bricks. Materials Science Forum, 2020, 1012, 250-255.	0.3	2
61	Microstructural Characterization of Clay-Based Ceramics with the Addition of Granite Residues. Materials Science Forum, 2019, 958, 123-128.	0.3	1
62	Processing, Characteristics and Properties of Cubic Boron Nitride - An Updated Review. Materials Science Forum, 0, 1012, 202-206.	0.3	1
63	Evaluation of PP/Wood Flour Composite Processing Using Computer Simulation. Materials Science Forum, 0, 1012, 32-36.	0.3	1
64	Performance of Epoxy Matrix Reinforced with Fique Fibers in Pullout Tests. Minerals, Metals and Materials Series, 2019, , 729-734.	0.3	1
65	Unveiling the effect of N interstitial on the mechanical properties of a CrFeCoNi medium entropy alloy. Journal of Materials Research and Technology, 2022, 19, 3616-3623.	2.6	1
66	Evaluation of Two Different Pulsed Plasma Nitriding Conditions on Steel Properties. Minerals, Metals and Materials Series, 2018, , 523-528.	0.3	0
67	Structural Characterization of Fique Fabric Reinforcing Epoxy Matrix Composites by XRD and SEM Analysis. Minerals, Metals and Materials Series, 2019, , 133-139.	0.3	0
68	Comparison of Mechanical Properties of Banana Fibers Reinforcement in Different Thermoset Matrix Composites. Materials Science Forum, 2020, 1012, 20-25.	0.3	0
69	Recycling of Steel-Making Plant Waste into Heavy Clay Ceramic- Industrial Test. Materials Science Forum, 2020, 1012, 244-249.	0.3	0
70	Addition of Ornamental Rock Residues on Ceramic Blocks: Physical and Chemical Analysis. Materials Science Forum, 0, 1012, 262-267.	0.3	0
71	Promising Ballistic Behavior of CoCrFeMnNi High Entropy Alloy. Materials Science Forum, 0, 1012, 377-382.	0.3	0
72	Density Weibull Analysis of Tucum Fiber with Different Diameters. Minerals, Metals and Materials Series, 2021, , 309-315.	0.3	0

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73	Influence of Graphene Oxide Functionalization Strategy on the Dynamic Mechanical Response of Natural Fiber Reinforced Polymer Matrix Composites. Minerals, Metals and Materials Series, 2021, , 29-36.	0.3	0
74	Influence of Two Solubilization Conditions at 718 Superalloy Hardness and Microstructure. Minerals, Metals and Materials Series, 2018, , 575-581.	0.3	0
75	Performance of Natural Curaua Non-woven Fabric Composites as Stand-Alone Targets Against Standard 9 mm and 7.62 mm Projectiles. Minerals, Metals and Materials Series, 2019, , 233-239.	0.3	0