Fabio C Garcia Filho

List of Publications by Year
in descending order

75 papers	1,506 citations	257101 24 h-index	344852 36 g-index
77 all docs	77 docs citations	77 times ranked	1001 citing authors

#	Article	IF	Citations
1	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
2	Enhancement of impact toughness using graphene oxide in epoxy composite reinforced with ramie fabric. Composite Structures, 2022, 282, 115023.	3.1	9
3	Ballistic performance of boron carbide nanoparticles reinforced ultra-high molecular weight polyethylene (UHMWPE). Journal of Materials Research and Technology, 2022, 17, 1799-1811.	2.6	18
4	Cantor-derived medium-entropy alloys: bridging the gap between traditional metallic and high-entropy alloys. Journal of Materials Research and Technology, 2022, 17, 1868-1895.	2.6	44
5	Thermochemical and structural characterization of promising carnauba novel leaf fiber (Copernicia) Tj ETQq1 1 0.784314 rgBT /Overlock	2.6	11
6	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
7	Technological performance of aÃ§aÃ-natural fibre reinforced cement-based mortars. Journal of Building Engineering, 2021, 33, 101675.	1.6	92
8	Synthesis of novel low bandgap random and block terpolymers with improved performance in organic solar cells. Journal of Materials Research and Technology, 2021, 10, 51-65.	2.6	4
9	Density Weibull Analysis of Tucum Fiber with Different Diameters. Minerals, Metals and Materials Series, 2021, , 309-315.	0.3	0
10	Dynamic Mechanical Behavior of Graphene Oxide Functionalized Curaua Fiber-Reinforced Epoxy Composites: A Brief Report. Polymers, 2021, 13, 1897.	2.0	11
11	Impact and Tensile Properties of Polyester Nanocomposites Reinforced with Conifer Fiber Cellulose Nanocrystal: A Previous Study Extension. Polymers, 2021, 13, 1878.	2.0	9
12	Impact Resistance of Epoxy Composites Reinforced with Amazon Guaruman Fiber: A Brief Report. Polymers, 2021, 13, 2264.	2.0	10
13	Influence of Rigid Brazilian Natural Fiber Arrangements in Polymer Composites: Energy Absorption and Ballistic Efficiency. Journal of Composites Science, 2021, 5, 201.	1.4	7
14	Energy Absorption and Limit Velocity of Epoxy Composites Incorporated with Fique Fabric as Ballistic Armorâ€"A Brief Report. Polymers, 2021, 13, 2727.	2.0	16
15	The Effect of Dialkyl Peroxide Crosslinking on the Properties of LLDPE and UHMWPE. Polymers, 2021, 13, 3062.	2.0	9
16	Technological Characterization of PETâ€"Polyethylene Terephthalateâ€"Added Soil-Cement Bricks. Materials, 2021, 14, 5035.	1.3	12
17	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
18	Surface Treatments of Coffee Husk Fiber Waste for Effective Incorporation into Polymer Biocomposites. Polymers, 2021, 13, 3428.	2.0	14

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19	Dynamic Mechanical Analysis of Thermally Aged Fique Fabric-Reinforced Epoxy Composites. Polymers, 2021, 13, 4037.	2.0	10
20	Ballistic behavior of epoxy matrix composites reinforced with piassava fiber against high energy ammunition. Journal of Materials Research and Technology, 2020, 9, 1734-1741.	2.6	41
21	Thermal and structural characterization of buriti fibers and their relevance in fabric reinforced composites. Journal of Materials Research and Technology, 2020, 9, 115-123.	2.6	40
22	Novel methods for dislocation density estimation in highly compacted tangles. Journal of Materials Research and Technology, 2020, 9, 2072-2078.	2.6	5
23	Evaluation and application of sintered red mud and its incorporated clay ceramics as materials for building construction. Journal of Materials Research and Technology, 2020, 9, 2186-2195.	2.6	34
24	Guaruman fiber: another possible reinforcement in composites. Journal of Materials Research and Technology, 2020, 9, 622-628.	2.6	37
25	Development and characterization of WPCs produced with high amount of wood residue. Journal of Materials Research and Technology, 2020, 9, 9684-9690.	2.6	19
26	Copernicia Prunifera Leaf Fiber: A Promising New Reinforcement for Epoxy Composites. Polymers, 2020, 12, 2090.	2.0	21
27	Ballistic Performance of Ramie Fabric Reinforcing Graphene Oxide-Incorporated Epoxy Matrix Composite. Polymers, 2020, 12, 2711.	2.0	25
28	On the gular sac tissue of the brown pelican: Structural characterization and mechanical properties. Acta Biomaterialia, 2020, 118, 161-181.	4.1	3
29	Graphene-Incorporated Natural Fiber Polymer Composites: A First Overview. Polymers, 2020, 12, 1601.	2.0	69
30	Promising Mechanical, Thermal, and Ballistic Properties of Novel Epoxy Composites Reinforced with Cyperus malaccensis Sedge Fiber. Polymers, 2020, 12, 1776.	2.0	62
31	Composites with Natural Fibers and Conventional Materials Applied in a Hard Armor: A Comparison. Polymers, 2020, 12, 1920.	2.0	58
32	Characterization of Polyester Nanocomposites Reinforced with Conifer Fiber Cellulose Nanocrystals. Polymers, 2020, 12, 2838.	2.0	18
33	Tensile Properties of Epoxy Matrix Reinforced with Fique Fabric. Materials Science Forum, 2020, 1012, 14-19.	0.3	4
34	Comparison of Mechanical Properties of Banana Fibers Reinforcement in Different Thermoset Matrix Composites. Materials Science Forum, 2020, 1012, 20-25.	0.3	0
35	Recycling of Steel-Making Plant Waste into Heavy Clay Ceramic- Industrial Test. Materials Science Forum, 2020, 1012, 244-249.	0.3	0
36	Effect of the Incorporation of Marble Waste in the Properties of Clay Ceramic Bricks. Materials Science Forum, 2020, 1012, 250-255.	0.3	2

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37	Welding Joints in High Entropy Alloys: A Short-Review on Recent Trends. Materials, 2020, 13, 1411.	1.3	21
38	Mechanical Properties of Boehmeria nivea Natural Fabric Reinforced Epoxy Matrix Composite Prepared by Vacuum-Assisted Resin Infusion Molding. Polymers, 2020, 12, 1311.	2.0	13
39	Processing and characterization of Arapaima gigas scales and their reinforced epoxy composites. Journal of Materials Research and Technology, 2020, 9, 3005-3012.	2.6	6
40	Combining severe plastic deformation and precipitation to enhance mechanical strength and electrical conductivity of Cuâ€“0.65Crâ€“0.08Zr alloy. Journal of Materials Research and Technology, 2020, 9, 5953-5961.	2.6	33
41	Thermal behavior of graphene oxide-coated piassava fiber and their epoxy composites. Journal of Materials Research and Technology, 2020, 9, 5343-5351.	2.6	50
42	Tucum Fiber from Amazon Astrocaryum vulgare Palm Tree: Novel Reinforcement for Polymer Composites. Polymers, 2020, 12, 2259.	2.0	27
43	Ballistic performance of multilayered armor with intermediate polyester composite reinforced with fique natural fabric and fibers. Journal of Materials Research and Technology, 2019, 8, 4221-4226.	2.6	49
44	Effect of Graphene Oxide Coating on Natural Fiber Composite for Multilayered Ballistic Armor. Polymers, 2019, 11, 1356.	2.0	72
45	Thermal Behavior of Epoxy Composites Reinforced with Fique Fabric by DSC. Minerals, Metals and Materials Series, 2019, , 101-106.	0.3	2
46	Piassava Fibers: Morphologic and Spectroscopic Aspects. Minerals, Metals and Materials Series, 2019, , 125-131.	0.3	4
47	Ballistic Test of Multilayered Armor with Intermediate Polyester Composite Reinforced with Fique Fabric. Minerals, Metals and Materials Series, 2019, , 161-167.	0.3	3
48	Comparison of Interfacial Adhesion Between Polyester and Epoxy Matrix Composites Reinforced with Fique Natural Fiber. Minerals, Metals and Materials Series, 2019, , 69-76.	0.3	3
49	Piassava Fiber as an Epoxy Matrix Composite Reinforcement for Ballistic Armor Applications. Jom, 2019, 71, 801-808.	0.9	33
50	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
51	Fique Fiber-Reinforced Epoxy Composite for Ballistic Armor Against 7.62 mm Ammunition. Minerals, Metals and Materials Series, 2019, , 193-199.	0.3	3
52	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
53	Natural Fibers Reinforced Polymer Composites Applied in Ballistic Multilayered Armor for Personal Protectionâ€”An Overview. Minerals, Metals and Materials Series, 2019, , 33-47.	0.3	29
54	Ballistic performance and statistical evaluation of multilayered armor with epoxy-fique fabric composites using the Weibull analysis. Journal of Materials Research and Technology, 2019, 8, 5899-5908.	2.6	35

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55	Microstructural Characterization of Clay-Based Ceramics with the Addition of Granite Residues. Materials Science Forum, 2019, 958, 123-128.	0.3	1
56	Statistical analysis of notch toughness of epoxy matrix composites reinforced with fique fabric. Journal of Materials Research and Technology, 2019, 8, 6051-6057.	2.6	22
57	Evaluation of Dynamic Mechanical Properties of Fique Fabric/Epoxy Composites. Materials Research, 2019, 22, .	0.6	9
58	Evaluation of the Projectile's loss of Energy in Polyester Composite Reinforced with Fique Fiber and Fabric. Materials Research, 2019, 22, .	0.6	16
59	Performance of Epoxy Matrix Reinforced with Fique Fibers in Pullout Tests. Minerals, Metals and Materials Series, 2019, , 729-734.	0.3	1
60	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
61	Evaluation of Two Different Pulsed Plasma Nitriding Conditions on Steel Properties. Minerals, Metals and Materials Series, 2018, , 523-528.	0.3	0
62	Mechanical properties and microstructure of SMAW welded and thermically treated HSLA-80 steel. Journal of Materials Research and Technology, 2018, 7, 598-605.	2.6	30
63	Comparative analysis between properties and microstructures of geopolymeric concrete and portland concrete. Journal of Materials Research and Technology, 2018, 7, 606-611.	2.6	32
64	Durability of Soil-Cement Blocks with the Incorporation of Limestone Residues from the Processing of Marble. Materials Research, 2018, 21, .	0.6	41
65	Performance of Plain Woven Jute Fabric-Reinforced Polyester Matrix Composite in Multilayered Ballistic System. Polymers, 2018, 10, 230.	2.0	39
66	Fique Fabric: A Promising Reinforcement for Polymer Composites. Polymers, 2018, 10, 246.	2.0	92
67	Performance of jute non-woven mat reinforced polyester matrix composite in multilayered armor. Journal of Materials Research and Technology, 2018, 7, 535-540.	2.6	45
68	Influence of Two Solubilization Conditions at 718 Superalloy Hardness and Microstructure. Minerals, Metals and Materials Series, 2018, , 575-581.	0.3	0
69	Charpy impact tenacity of epoxy matrix composites reinforced with aligned jute fibers. Journal of Materials Research and Technology, 2017, 6, 312-316.	2.6	43
70	Reinforcement of Polyester with Renewable Ramie Fibers. Materials Research, 2017, 20, 51-59.	0.6	26
71	Influence of Glass Residue Addition on the Properties of Adhesive Mortar. Materials Science Forum, 0, 930, 158-163.	0.3	3
72	Processing, Characteristics and Properties of Cubic Boron Nitride - An Updated Review. Materials Science Forum, 0, 1012, 202-206.	0.3	1

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73	Addition of Ornamental Rock Residues on Ceramic Blocks: Physical and Chemical Analysis. Materials Science Forum, 0, 1012, 262-267.	0.3	0
74	Evaluation of PP/Wood Flour Composite Processing Using Computer Simulation. Materials Science Forum, 0, 1012, 32-36.	0.3	1
75	Promising Ballistic Behavior of CoCrFeMnNi High Entropy Alloy. Materials Science Forum, 0, 1012, 377-382.	0.3	0