Fernanda Santos da Luz

List of Publications by Year
in descending order

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60 papers	1,378 citations	279778 23 h-index	361001 35 g-index
63 all docs	63 docs citations	63 times ranked	937 citing authors

#	Article	IF	Citations
1	Ballistic Test of Multilayered Armor with Intermediate Epoxy Composite Reinforced with Jute Fabric. Materials Research, 2015, 18, 170-177.	1.3	102
2	Effect of Graphene Oxide Coating on Natural Fiber Composite for Multilayered Ballistic Armor. Polymers, 2019, 11, 1356.	4.5	72
3	Comparative mechanical properties between biocomposites of Epoxy and polyester matrices reinforced by hemp fiber. Journal of Materials Research and Technology, 2020, 9, 1296-1304.	5.8	72
4	Graphene-Incorporated Natural Fiber Polymer Composites: A First Overview. Polymers, 2020, 12, 1601.	4.5	69
5	Critical length and interfacial strength of PALF and coir fiber incorporated in epoxy resin matrix. Journal of Materials Research and Technology, 2018, 7, 528-534.	5.8	61
6	Composites with Natural Fibers and Conventional Materials Applied in a Hard Armor: A Comparison. Polymers, 2020, 12, 1920.	4.5	58
7	High energy ballistic and fracture comparison between multilayered armor systems using non-woven curaua fabric composites and aramid laminates. Journal of Materials Research and Technology, 2017, 6, 417-422.	5.8	50
8	Thermal behavior of graphene oxide-coated piassava fiber and their epoxy composites. Journal of Materials Research and Technology, 2020, 9, 5343-5351.	5.8	50
9	Ballistic Application of Coir Fiber Reinforced Epoxy Composite in Multilayered Armor. Materials Research, 2017, 20, 23-28.	1.3	47
10	Mechanical, thermal and ballistic performance of epoxy composites reinforced with Cannabis sativa hemp fabric. Journal of Materials Research and Technology, 2021, 12, 221-233.	5.8	45
11	Toughness of polyester matrix composites reinforced with sugarcane bagasse fibers evaluated by Charpy impact tests. Journal of Materials Research and Technology, 2017, 6, 334-338.	5.8	44
12	Charpy impact tenacity of epoxy matrix composites reinforced with aligned jute fibers. Journal of Materials Research and Technology, 2017, 6, 312-316.	5.8	43
13	Mechanical properties of composites with graphene oxide functionalization of either epoxy matrix or curaua fiber reinforcement. Journal of Materials Research and Technology, 2020, 9, 13390-13401.	5.8	43
14	Charpy impact test of epoxy composites reinforced with untreated and mercerized mallow fibers. Journal of Materials Research and Technology, 2018, 7, 520-527.	5.8	42
15	Thermal and structural characterization of buriti fibers and their relevance in fabric reinforced composites. Journal of Materials Research and Technology, 2020, 9, 115-123.	5.8	40
16	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.	5.8	35
17	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.	5.8	34
18	Mallow Fiber-Reinforced Epoxy Composites in Multilayered Armor for Personal Ballistic Protection. Jom, 2017, 69, 2052-2056.	1.9	32

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19	Mechanical properties and microstructure of SMAW welded and thermically treated HSLA-80 steel. Journal of Materials Research and Technology, 2018, 7, 598-605.	5.8	30
20	Natural Fibers Reinforced Polymer Composites Applied in Ballistic Multilayered Armor for Personal Protectionâ€"An Overview. Minerals, Metals and Materials Series, 2019, , 33-47.	0.4	29
21	Tucum Fiber from Amazon Astrocaryum vulgare Palm Tree: Novel Reinforcement for Polymer Composites. Polymers, 2020, 12, 2259.	4.5	27
22	Weibull analysis of the tensile strength dependence with fiber diameter of giant bamboo. Journal of Materials Research and Technology, 2017, 6, 317-322.	5.8	26
23	Evaluation of Dynamic Mechanical Properties of PALF and Coir Fiber Reinforcing Epoxy Composites. Materials Research, 2018, 21, .	1.3	25
24	Ballistic Performance of Guaruman Fiber Composites in Multilayered Armor System and as Single Target. Polymers, 2021, 13, 1203.	4.5	24
25	Statistical analysis of notch toughness of epoxy matrix composites reinforced with fique fabric. Journal of Materials Research and Technology, 2019, 8, 6051-6057.	5.8	22
26	Mechanical properties and microstructural characterization of a novel 316L austenitic stainless steel coating on A516 Grade 70 carbon steel weld. Journal of Materials Research and Technology, 2020, 9, 636-640.	5.8	20
27	Effect of Chemical Treatment and Length of Raffia Fiber (Raphia vinifera) on Mechanical Stiffening of Polyester Composites. Polymers, 2020, 12, 2899.	4.5	18
28	Effect of the impact geometry in the ballistic trauma absorption of a ceramic multilayered armor system. Journal of Materials Research and Technology, 2018, 7, 554-560.	5.8	16
29	Energy Absorption and Limit Velocity of Epoxy Composites Incorporated with Fique Fabric as Ballistic Armorâ€"A Brief Report. Polymers, 2021, 13, 2727.	4.5	16
30	Thermal Behavior of Polyester Composites Reinforced with Green Sugarcane Bagasse Fiber. Jom, 2018, 70, 1965-1971.	1.9	15
31	Mechanical and microstructural characterization of geopolymeric concrete subjected to fatigue. Journal of Materials Research and Technology, 2018, 7, 566-570.	5.8	14
32	Mechanical Properties of Boehmeria nivea Natural Fabric Reinforced Epoxy Matrix Composite Prepared by Vacuum-Assisted Resin Infusion Molding. Polymers, 2020, 12, 1311.	4.5	13
33	Physical and Mechanical Characterization of Titica Vine (Heteropsis flexuosa) Incorporated Epoxy Matrix Composites. Polymers, 2021, 13, 4079.	4.5	13
34	Incorporation of unserviceable tire waste in red ceramic. Journal of Materials Research and Technology, 2019, 8, 6041-6050.	5.8	11
35	Porosity Assessment for Different Diameters of Coir Lignocellulosic Fibers. Jom, 2017, 69, 2045-2051.	1.9	10
36	Curing Kinetic Parameters of Epoxy Composite Reinforced with Mallow Fibers. Materials, 2019, 12, 3939.	2.9	10

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37	Dynamic Mechanical Analysis of Thermally Aged Fique Fabric-Reinforced Epoxy Composites. Polymers, 2021, 13, 4037.	4.5	10
38	Creep Parameters and Dislocation Substructure in AISI 316 Austenitic Stainless Steel From 600Â°C to 800Â°C. Materials Research, 2017, 20, 231-235.	1.3	9
39	Evaluation of Dynamic Mechanical Properties of Fique Fabric/Epoxy Composites. Materials Research, 2019, 22, .	1.3	9
40	Graphene nanoplatelets reinforced Polyamide-11 nanocomposites thermal stability and aging for application in flexible pipelines. Journal of Materials Research and Technology, 2022, 18, 1842-1854.	5.8	9
41	Novel bionanocomposite of polycaprolactone reinforced with steam-exploded microfibrillated cellulose modified with ZnO. Journal of Materials Research and Technology, 2021, 13, 1324-1335.	5.8	7
42	Influence of Rigid Brazilian Natural Fiber Arrangements in Polymer Composites: Energy Absorption and Ballistic Efficiency. Journal of Composites Science, 2021, 5, 201.	3.0	7
43	Limit Speed Analysis and Absorbed Energy in Multilayer Armor with Epoxy Composite Reinforced with Mallow Fibers and Mallow and Jute Hybrid Fabric. Minerals, Metals and Materials Series, 2018, , 597-604.	0.4	6
44	Processing and characterization of Arapaima gigas scales and their reinforced epoxy composites. Journal of Materials Research and Technology, 2020, 9, 3005-3012.	5.8	6
45	Evaluation of Solid Waste From H2S Removal Process in Natural Gas Treatment Incorporated Into Red Ceramic. Materials Research, 2019, 22, .	1.3	6
46	Strengthening of stainless steel weldment by high temperature precipitation. Journal of Materials Research and Technology, 2017, 6, 385-389.	5.8	5
47	Piassava Fibers: Morphologic and Spectroscopic Aspects. Minerals, Metals and Materials Series, 2019, , 125-131.	0.4	4
48	Tensile Properties of Epoxy Matrix Reinforced with Fique Fabric. Materials Science Forum, 2020, 1012, 14-19.	0.3	4
49	Comparison of Interfacial Adhesion Between Polyester and Epoxy Matrix Composites Reinforced with Fique Natural Fiber. Minerals, Metals and Materials Series, 2019, , 69-76.	0.4	3
50	Fique Fiber-Reinforced Epoxy Composite for Ballistic Armor Against 7.62 mm Ammunition. Minerals, Metals and Materials Series, 2019, , 193-199.	0.4	3
51	Graphene Oxide Surface Treatment on Piassava Fiber Attalea funifera to Improve Adhesion in Epoxy Matrix. Journal of Natural Fibers, 2022, 19, 8568-8581.	3.1	3
52	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.	0.4	2
53	DESEMPENHO DE COMPÃ“SITOS DE MATRIZ EPÃ“XI REFORÃ‡ADOS COM FIBRAS DE PIAÃ‡AVA COMO BLINDAGEM INDIVIDUAL CONTRA MUNIÃ‡Ã•ES DE ALTA ENERGIA. , 0, , .		1
54	Analysis of Coir Fiber Porosity. Minerals, Metals and Materials Series, 2017, , 325-330.	0.4	1

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55	Work Hardening and Microstructural Effect during Dynamic Deformation of Polycrystalline Copper. Materials Science Forum, 0, 869, 538-542.	0.3	0
56	Selective Copper Oxide Coating on Aluminum Panels for Solar Heating Absorption. Materials Science Forum, 0, 930, 619-624.	0.3	0
57	Structural Characterization of Fique Fabric Reinforcing Epoxy Matrix Composites by XRD and SEM Analysis. Minerals, Metals and Materials Series, 2019, , 133-139.	0.4	0
58	Density Weibull Analysis of Tucum Fiber with Different Diameters. Minerals, Metals and Materials Series, 2021, , 309-315.	0.4	0
59	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.	0.4	0
60	AVALIAÃ‡ÃƒO DO COMPORTAMENTO BALÃSTICO DE BLINDAGEM MULTICAMADA COM COMPÃ“SITO DE EPÃ“XI REFORÃ‡ADO COM TECIDO DE BURITI. , 0, , .		0