

R. Vijay

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,363
citations

172457

29
h-index

233421

45
g-index

51
all docs

51
docs citations

51
times ranked

988
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of alkali treatment on performance characterization of <i>Ziziphus mauritiana</i> fiber and its epoxy composites. Journal of Industrial Textiles, 2022, 51, 2444S-2466S.	2.4	33
2	Extraction and Characterization of Cellulose Fibers from the Stem of <i>Momordica Charantia</i> . Journal of Natural Fibers, 2022, 19, 2232-2242.	3.1	38
3	Characterization of Natural Cellulose Fiber from the Barks of <i>Vachellia farnesiana</i> . Journal of Natural Fibers, 2022, 19, 1343-1352.	3.1	73
4	Extraction and Characterization of Natural Fibers from <i>Citrullus lanatus</i> Climber. Journal of Natural Fibers, 2022, 19, 621-629.	3.1	49
5	Influence of Stacking Sequence on the Mechanical and Water Absorption Characteristics of Areca Sheath-palm Leaf Sheath Fibers Reinforced Epoxy Composites. Journal of Natural Fibers, 2022, 19, 1670-1680.	3.1	37
6	Influence of Chemical Treatment on the Physico-mechanical Characteristics of Natural Fibers Extracted from the Barks of <i>Vachellia Farnesiana</i> . Journal of Natural Fibers, 2022, 19, 5065-5075.	3.1	26
7	Extraction and Characterization Chemical Treated and Untreated <i>Lycium ferocissimum</i> Fiber for Epoxy Composites. Journal of Natural Fibers, 2022, 19, 6509-6520.	3.1	6
8	The Effects of Stacking Sequence on the Mechanical and Water Absorption Properties of Areca-Pineapple Fiber-based Epoxy Composites. Journal of Natural Fibers, 2022, 19, 9681-9692.	3.1	14
9	Influence of <i>Parthenium Hysterophorus</i> and <i>Impomea Pes-caprae</i> Fibers Stacking Sequence on the Performance Characteristics of Epoxy Composites. Journal of Natural Fibers, 2022, 19, 4456-4466.	3.1	9
10	Jute/Hemp bio-epoxy hybrid bio-composites: Influence of stacking sequence on adhesion of fiber-matrix. International Journal of Adhesion and Adhesives, 2022, 113, 103050.	2.9	43
11	Synergistic performance of expanded graphite-mica amalgamation based non-asbestos copper-free brake friction composites. Surface Topography: Metrology and Properties, 2022, 10, 015019.	1.6	9
12	Tribological characterization of biofiber-reinforced brake friction composites. , 2022, , 475-486.		1
13	Investigation of the mechanical properties of treated and untreated <i>Vachellia farnesiana</i> fiber based epoxy composites. , 2022, , 487-497.		0
14	Brake friction composite materials: A review on classifications and influences of friction materials in braking performance with characterizations. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2022, 236, 1674-1706.	1.8	21
15	Characterization of Silane Treated and Untreated <i>Citrullus lanatus</i> Fibers Based eco-friendly Automotive Brake Friction Composites. Journal of Natural Fibers, 2022, 19, 13273-13287.	3.1	5
16	Extraction and characterization of natural fiber from Eleusine indica grass as reinforcement of sustainable fiber reinforced polymer composites. Journal of Natural Fibers, 2021, 18, 1742-1750.	3.1	67
17	Characterization of Silane-Treated and Untreated Natural Fibers from Stem of <i>Leucas Aspera</i> . Journal of Natural Fibers, 2021, 18, 1957-1973.	3.1	77
18	Characterization of Natural Fibers from <i>Cortaderia Selloana</i> Grass (Pampas) as Reinforcement Material for the Production of the Composites. Journal of Natural Fibers, 2021, 18, 1893-1901.	3.1	58

#	ARTICLE	IF	CITATIONS
19	Characterization of Alkali-Treated and Untreated Natural Fibers from the Stem of Parthenium Hysterophorus. Journal of Natural Fibers, 2021, 18, 80-90.	3.1	84
20	Extraction and Characterization of Natural Fiber from Stem of Cardiospermum Halicababum. Journal of Natural Fibers, 2021, 18, 898-908.	3.1	67
21	Effect of stacking sequence on tribological properties of bamboo/jute reinforced hybrid epoxy polymer composites. Materials Today: Proceedings, 2021, 39, 1-5.	1.8	4
22	Tribological characterization of different mesh-sized natural barite-based copper-free brake friction composites. , 2021, , 279-300.		5
23	Investigation on the mechanical behavior of areca sheath fibers/jute fibers/glass fabrics reinforced hybrid composite for light weight applications. Journal of Industrial Textiles, 2020, 49, 1036-1060.	2.4	136
24	Evaluation of <i>Azadirachta indica</i> seed/spent <i>Camellia sinensis</i> bio-filler based jute fabrics epoxy composites: Experimental and numerical studies. Journal of Industrial Textiles, 2020, 49, 1252-1277.	2.4	47
25	Development and characterization of stainless steel fiber-based copper-free brake liner formulation: A positive solution for steel fiber replacement. Friction, 2020, 8, 396-420.	6.4	44
26	Characterization of Novel Natural Fiber from Saccharum Bengalense Grass (Sarkanda). Journal of Natural Fibers, 2020, 17, 1739-1747.	3.1	40
27	INFLUENCE OF MOLYBDENUM DISULFIDE PARTICLE SIZE ON FRICTION AND WEAR CHARACTERISTICS OF NON-ASBESTOS-BASED COPPER-FREE BRAKE FRICTION COMPOSITES. Surface Review and Letters, 2020, 27, 1950085.	1.1	36
28	Investigation on thermo-mechanical characteristics of treated/untreated <i>Portunus sanguinolentus</i> shell powder-based jute fabrics reinforced epoxy composites. Journal of Industrial Textiles, 2020, 50, 427-459.	2.4	132
29	Extraction and characterization of vetiver grass (<i>Chrysopogon zizanioides</i>) and kenaf fiber (<i>Hibiscus</i>) Tj ETQq1 1 0.784314 rgBT /Over Research and Technology, 2020, 9, 773-778.	5.8	56
30	Influence of wood dust fillers on the mechanical, thermal, water absorption and biodegradation characteristics of jute fiber epoxy composites. Journal of Polymer Research, 2020, 27, 1.	2.4	141
31	Development and characterization of stainless steel fiber-based copper-free brake liner formulation A positive solution for steel fiber replacement. Friction, 2020, 8, 396.	6.4	5
32	Characterization of raw and benzoyl chloride treated <i>Impomea pes-caprae</i> fibers and its epoxy composites. Materials Research Express, 2019, 6, 095307.	1.6	33
33	Influence of recycled basalt-aramid fibres integration on the mechanical and thermal properties of brake friction composites. Materials Research Express, 2019, 6, 115310.	1.6	24
34	Characterization of untreated and alkali treated natural fibers extracted from the stem of <i>Catharanthus roseus</i> . Materials Research Express, 2019, 6, 085406.	1.6	73
35	Influence of various cashew friction dusts on the fade and recovery characteristics of non-asbestos copper free brake friction composites. Wear, 2019, 426-427, 1129-1141.	3.1	89
36	Tribological characterization of recycled basalt-aramid fiber reinforced hybrid friction composites using grey-based Taguchi approach. Materials Research Express, 2019, 6, 065301.	1.6	30

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37	Influence of iron-aluminum alloy on the tribological performance of non-asbestos brake friction materials – a solution for copper replacement. <i>Industrial Lubrication and Tribology</i> , 2019, 72, 66-78.	1.3	22
38	Influence of natural barytes purity levels on the tribological characteristics of non-asbestos brake pads. <i>Industrial Lubrication and Tribology</i> , 2019, 72, 349-358.	1.3	9
39	Investigation on tribological and corrosion characteristics of oxide-coated steel and mild steel fiber-based brake friction composites. <i>Industrial Lubrication and Tribology</i> , 2019, 71, 341-347.	1.3	25
40	Experimental Investigation on the Tribo-Thermal Properties of Brake Friction Materials Containing Various Forms of Graphite: A Comparative Study. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 1459-1473.	3.0	63
41	Characterization of raw and alkali treated new natural cellulosic fibers from <i>Tridax procumbens</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 125, 99-108.	7.5	299
42	Influence of WS ₂ /SnS ₂ on the tribological performance of copper-free brake pads. <i>Industrial Lubrication and Tribology</i> , 2019, 71, 398-405.	1.3	38
43	Development and Performance Evaluation of Eco-Friendly Crab Shell Powder Based Brake Pads for Automotive Applications. <i>International Journal of Automotive and Mechanical Engineering</i> , 2019, 16, 6502-6523.	0.9	36
44	ThermoMechanical Characterization of <i>Calotropis gigantea</i> Stem Powder-Filled Jute Fiber-Reinforced Epoxy Composites. <i>Journal of Natural Fibers</i> , 2018, 15, 648-657.	3.1	83
45	Influence of stacking sequence on mechanical characteristics of <i>Cyperus pangorei</i> fibres based natural fibre composites. <i>Materials Today: Proceedings</i> , 2018, 5, 8504-8513.	1.8	7
46	Experimental investigation on the mechanical properties of <i>Cyperus pangorei</i> fibers and jute fiber-based natural fiber composites. <i>International Journal of Polymer Analysis and Characterization</i> , 2016, 21, 617-627.	1.9	48
47	Influence of thermal conductivity and thermal stability on the fade and recovery characteristics of non-asbestos semi-metallic disc brake pad. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 1207-1219.	1.6	47
48	Optimization of Tribological Properties of Nonasbestos Brake Pad Material by Using Steel Wool. <i>Advances in Tribology</i> , 2013, 2013, 1-9.	2.1	22
49	Influence of Crab Shell on Tribological Characterization of Eco-Friendly Products Based Non Asbestos Brake Friction Materials. , 0, , .		21
50	Synergistic effect of red mud-iron sulfide particles on fade-recovery characteristics of non-asbestos organic brake friction composites. <i>Materials Research Express</i> , 0, , .	1.6	23
51	Utilization of waste black limestone filler in short jute fiber reinforced epoxy composites: Influence on the mechanical behaviour. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 0, , 095440892210781.	2.5	8