

Ramesh M

List of Publications by Year in descending order

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84
papers

4,340
citations

136950

32
h-index

155660

55
g-index

96
all docs

96
docs citations

96
times ranked

2509
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Alkalization on Characterization of Ripe Bulrush (<i>Typha Domingensis</i>) Grass Fiber Reinforced Epoxy Composites. <i>Journal of Natural Fibers</i> , 2022, 19, 931-942.	3.1	31
2	Impact of Silane Treatment on Characterization of <i>Ipomoea Staphylina</i> Plant Fiber Reinforced Epoxy Composites. <i>Journal of Natural Fibers</i> , 2022, 19, 5888-5899.	3.1	52
3	Influence of Haritaki (<i>Terminalia chebula</i>) nano-powder on thermo-mechanical, water absorption and morphological properties of <i>Tindora (Coccinia grandis)</i> tendrils fiber reinforced epoxy composites. <i>Journal of Natural Fibers</i> , 2022, 19, 6452-6468.	3.1	42
4	Life-cycle and environmental impact assessments on processing of plant fibres and its bio-composites: A critical review. <i>Journal of Industrial Textiles</i> , 2022, 51, 5518S-5542S.	2.4	159
5	Leaf fibres as reinforcements in green composites: a review on processing, properties and applications. <i>Emergent Materials</i> , 2022, 5, 833-857.	5.7	32
6	Introduction to biodegradable polymers. , 2022, , 1-18.		1
7	Influence of Moisture Absorption on Mechanical properties of Biocomposites reinforced Surface Modified Natural Fibers. <i>Composites Science and Technology</i> , 2022, , 17-34.	0.6	7
8	A Critical Review on Wood-Based Polymer Composites: Processing, Properties, and Prospects. <i>Polymers</i> , 2022, 14, 589.	4.5	52
9	Hygrothermal Aging, Kinetics of Moisture Absorption, Degradation Mechanism and Their Influence on Performance of the Natural Fibre Reinforced Composites. <i>Composites Science and Technology</i> , 2022, , 257-277.	0.6	3
10	Keratin-based biofibers and their composites. , 2022, , 315-334.		5
11	Effect of fiber orientation on tribological behaviour of <i>Typha angustifolia</i> natural fiber reinforced composites. <i>Materials Today: Proceedings</i> , 2022, 62, 1958-1964.	1.8	12
12	Manufacturing methods of elastomer blends and composites. , 2022, , 11-32.		4
13	Experimental investigation on physical, mechanical, and thermal properties of jute and hemp fibers reinforced hybrid polylactic acid composites. <i>Polymer Composites</i> , 2022, 43, 2854-2863.	4.6	28
14	Effect of Process Parameters on Fused Filament Fabrication Printed Composite Materials. <i>Composites Science and Technology</i> , 2022, , 155-178.	0.6	1
15	Hemp fibers, their composites and applications. , 2022, , 233-252.		3
16	Banana fibers, their composites and applications. , 2022, , 161-180.		2
17	Preparation, synthesis, properties and characterization of graphene-based 2D nano-materials for biosensors and bioelectronics. <i>Journal of Materials Research and Technology</i> , 2022, 19, 2657-2694.	5.8	53
18	Applications of green composites for sustainable development. , 2022, , 43-53.		1

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19	Impact of Alkali Treatment on Characterization of Tapsi (<i>Sterculia Urens</i>) Natural Bark Fiber Reinforced Polymer Composites. <i>Journal of Natural Fibers</i> , 2021, 18, 378-389.	3.1	40
20	Characteristic of composite bioplastics from tapioca starch and sugarcane bagasse fiber: Effect of time duration of ultrasonication (Bath-Type). <i>Materials Today: Proceedings</i> , 2021, 46, 1626-1630.	1.8	56
21	Bamboo Fiber Reinforced Composites. , 2021, , 1-13.		19
22	Bamboo Fiber Reinforced Concrete Composites. , 2021, , 127-145.		9
23	Experimental investigation on mechanical properties of banana/snake grass fiber reinforced hybrid composites. <i>Materials Today: Proceedings</i> , 2021, 42, 350-355.	1.8	45
24	Metal-organic frameworks and their composites. , 2021, , 1-18.		1
25	Biocomposites for prosthesis. , 2021, , 339-351.		2
26	Green Composite Using Agricultural Waste Reinforcement. <i>Materials Horizons</i> , 2021, , 21-34.	0.6	23
27	Biocomposites for biomedical devices. , 2021, , 287-300.		1
28	Deep learning for material synthesis and manufacturing systems: A review. <i>Materials Today: Proceedings</i> , 2021, 46, 3263-3269.	1.8	37
29	Mechanical properties of natural and synthetic fiber reinforced hybrid composites. , 2021, , 309-325.		2
30	Metal-organic frameworks and permeable natural polymers for reasonable carbon dioxide fixation. , 2021, , 417-440.		0
31	Friction and wear properties of carbon nanotube-reinforced polymer composites. , 2021, , 223-240.		7
32	Tribological Behavior of Glass/Sisal Fiber Reinforced Polyester Composites. <i>Composites Science and Technology</i> , 2021, , 445-459.	0.6	15
33	Enzyme-modified electrodes for biofuel cells: A comprehensive review. <i>Materials Today: Proceedings</i> , 2021, 46, 3495-3501.	1.8	5
34	Recent advances in tribology of hybrid polymer composites. , 2021, , 7-30.		3
35	Tribological Behaviour of MoS ₂ and Graphite Reinforced Aluminium Matrix Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1059, 012021.	0.6	24
36	PLA based Bio Composite reinforced with natural fibers – Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1145, 012069.	0.6	7

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37	Influence of Process Parameters on the Properties of Additively Manufactured Fiber-Reinforced Polymer Composite Materials: A Review. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4792-4807.	2.5	62
38	Influence of fiber surface treatment on the tribological properties of <i>Calotropis gigantea</i> plant fiber reinforced polymer composites. <i>Polymer Composites</i> , 2021, 42, 4308-4317.	4.6	67
39	Carbon substrates: a review on fabrication, properties and applications. <i>Carbon Letters</i> , 2021, 31, 557-580.	5.9	66
40	Case-Studies on Green Corrosion Inhibitors. <i>Materials Research Foundations</i> , 2021, , 204-221.	0.3	13
41	Effect of hybridization on properties of natural and synthetic fiber-reinforced polymer composites (2001-2020): A review. <i>Polymer Composites</i> , 2021, 42, 4981-5010.	4.6	44
42	Effect of hybridization on properties of tamarind (<i>Tamarindus indica</i>) seed nano-powder incorporated jute-hemp fibers reinforced epoxy composites. <i>Polymer Composites</i> , 2021, 42, 6611-6620.	4.6	48
43	Metal-organic framework for batteries and supercapacitors. , 2021, , 19-35.		1
44	Mechanical and water absorption properties of <i>Calotropis gigantea</i> plant fibers reinforced polymer composites. <i>Materials Today: Proceedings</i> , 2021, 46, 3367-3372.	1.8	46
45	Significance of biosurfactants in oil recovery and bioremediation of crude oil. , 2021, , 211-226.		4
46	Optimization of drilling output responses of eggshell fillers reinforced hemp/glass fibres hybrid composites. <i>Materials Today: Proceedings</i> , 2021, 46, 3245-3250.	1.8	1
47	Electrically conductive self-healing materials: preparation, properties, and applications. , 2020, , 1-13.		2
48	Self-healing polymer composites and its chemistry. , 2020, , 415-427.		36
49	Influence of eggshell particles on mechanical and water absorption properties of hemp-glass fibres reinforced hybrid composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 923, 012042.	0.6	3
50	Influence of Eggshell Nanoparticles and Effect of Alkalization on Characterization of Industrial Hemp Fibre Reinforced Epoxy Composites. <i>Journal of Polymers and the Environment</i> , 2020, 28, 2178-2190.	5.0	50
51	Carbon Nanotube-Based Metal-Organic Framework Nanocomposites. , 2020, , 237-260.		1
52	Properties of Cellulose Based Bio-fibres Reinforced Polymer Composites. , 2020, , 71-89.		2
53	Mechanical, Chemical and Acoustical Behavior of Sisal Tea Waste Glass Fiber Reinforced Epoxy Based Hybrid Polymer Composites. <i>Materials Today: Proceedings</i> , 2019, 16, 653-660.	1.8	37
54	Effect of hybridization on properties of hemp-carbon fibre-reinforced hybrid polymer composites using experimental and finite element analysis. <i>World Journal of Engineering</i> , 2019, 16, 248-259.	1.6	36

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55	Processing of Green Composites. Textile Science and Clothing Technology, 2019, , 47-72.	0.5	10
56	Mechanical Propertiesâ€™ Evaluation of Hemp Fibre-Reinforced Polymer Composites. Lecture Notes in Mechanical Engineering, 2019, , 343-351.	0.4	7
57	Flax (Linum usitatissimum L.) fibre reinforced polymer composite materials: A review on preparation, properties and prospects. Progress in Materials Science, 2019, 102, 109-166.	32.8	162
58	Experimental Investigation of Mechanical and Morphological Properties of Flax-Glass Fiber Reinforced Hybrid Composite using Finite Element Analysis. Silicon, 2018, 10, 747-757.	3.3	53
59	Experimental investigation on morphological, physical and shear properties of hybrid composite laminates reinforced with flax and carbon fibers. Journal of the Chinese Advanced Materials Society, 2018, 6, 640-654.	0.7	19
60	A review of natural polysaccharides for drug delivery applications: Special focus on cellulose, starch and glycogen. Biomedicine and Pharmacotherapy, 2018, 107, 96-108.	5.6	196
61	Hemp, jute, banana, kenaf, ramie, sisal fibers. , 2018, , 301-325.		39
62	Effect of Alkalization on Mechanical and Moisture Absorption Properties of Azadirachta indica (Neem) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 187-199.	1.5	48
63	Plant fibre based bio-composites: Sustainable and renewable green materials. Renewable and Sustainable Energy Reviews, 2017, 79, 558-584.	16.4	468
64	Mechanical and Water Intake Properties of Banana-Carbon Hybrid Fiber Reinforced Polymer Composites. Materials Research, 2017, 20, 365-376.	1.3	70
65	Measurement and analysis of thrust force in drilling sisal-glass fiber reinforced polymer composites. IOP Conference Series: Materials Science and Engineering, 2017, 197, 012056.	0.6	25
66	Physical Properties of Glass-Hemp-Banana Hybrid Fiber Reinforced Polymer Composites. Indian Journal of Science and Technology, 2017, 10, 1-7.	0.7	21
67	Machining Characteristics of Fiber Reinforced Polymer Composites: A Review. Indian Journal of Science and Technology, 2016, 9, .	0.7	6
68	Influence of fiber orientation and fiber content on properties of sisalâ€¦juteâ€¦glass fiberâ€¦reinforced polyester composites. Journal of Applied Polymer Science, 2016, 133, .	2.6	62
69	Experimental Investigation on the Mechanical Properties of Green Hybrid Sisal and Glass Fiber Reinforced Polymer Composites. Journal of Natural Fibers, 2016, 13, 321-331.	3.1	88
70	Evaluation of Mechanical and Interfacial Properties of Sisal/Jute/Glass Hybrid Fiber Reinforced Polymer Composites. Transactions of the Indian Institute of Metals, 2016, 69, 1851-1859.	1.5	64
71	Kenaf (Hibiscus cannabinus L.) fibre based bio-materials: A review on processing and properties. Progress in Materials Science, 2016, 78-79, 1-92.	32.8	238
72	Mechanical property analysis of kenafâ€¦glass fibre reinforced polymer composites using finite element analysis. Bulletin of Materials Science, 2016, 39, 147-157.	1.7	60

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73	Comparisomal Study of Succinylation and Phthalicylation of Jute Fibres: Study of Mechanical Properties of Modified Fibre Reinforced Epoxy Composites. Materials Today: Proceedings, 2015, 2, 2918-2927.	1.8	26
74	Fabrication and Property Evaluation of Banana-Hemp-Glass Fiber Reinforced Composites. Procedia Engineering, 2014, 97, 2032-2041.	1.2	130
75	Processing and Mechanical Property Evaluation of Banana Fiber Reinforced Polymer Composites. Procedia Engineering, 2014, 97, 563-572.	1.2	197
76	Influence of Tool Materials on Thrust Force and Delamination in Drilling Sisal-glass Fiber Reinforced Polymer (S-GFRP) Composites. , 2014, 5, 1915-1921.		41
77	Mechanical property evaluation of sisalâ€“juteâ€“glass fiber reinforced polyester composites. Composites Part B: Engineering, 2013, 48, 1-9.	12.0	552
78	Comparative Evaluation on Properties of Hybrid Glass Fiber- Sisal/Jute Reinforced Epoxy Composites. Procedia Engineering, 2013, 51, 745-750.	1.2	234
79	Impact Behaviour Analysis of Sisal/Jute and Glass Fiber Reinforced Hybrid Composites. Advanced Materials Research, 0, 984-985, 266-272.	0.3	17
80	Processing and Mechanical Property Evaluation of Kenaf-Glass Fiber Reinforced Polymer Composites. Applied Mechanics and Materials, 0, 766-767, 187-192.	0.2	8
81	Experimental Investigation on Mechanical Properties of Hemp-Banana-Glass Fiber Reinforced Composites. Applied Mechanics and Materials, 0, 766-767, 167-172.	0.2	40
82	Study of Mechanical Properties of Jute-Banana-Glass Fiber Reinforced Epoxy Composites under Various Post Curing Temperature. Applied Mechanics and Materials, 0, 766-767, 211-215.	0.2	9
83	Processing and Mechanical Property Evaluation of Flax-Glass Fiber Reinforced Polymer Composites. Applied Mechanics and Materials, 0, 766-767, 144-149.	0.2	14
84	Studies on mechanical strengths of hemp-glass fibre reinforced epoxy composites. IOP Conference Series: Materials Science and Engineering, 0, 402, 012083.	0.6	10