Vinod A

List of Publications by Year
in descending order

26 papers	2,157 citations	361413 20 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	1101 citing authors

#	Article	IF	Citations
1	Renewable and sustainable biobased materials: An assessment on biofibers, biofilms, biopolymers and biocomposites. Journal of Cleaner Production, 2020, 258, 120978.	9.3	482
2	Characterization of raw and alkali treated new natural cellulosic fibers from Tridax procumbens. International Journal of Biological Macromolecules, 2019, 125, 99-108.	7.5	299
3	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
4	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
5	Investigation on thermo-mechanical characteristics of treated/untreated Portunus sanguinolentus shell powder-based jute fabrics reinforced epoxy composites. Journal of Industrial Textiles, 2020, 50, 427-459.	2.4	132
6	Novel Muntingia Calabura bark fiber reinforced green-epoxy composite: A sustainable and green material for cleaner production. Journal of Cleaner Production, 2021, 294, 126337.	9.3	99
7	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
8	ThermoMechanical Characterization ofCalotropis giganteaStem Powder-Filled Jute Fiber-Reinforced Epoxy Composites. Journal of Natural Fibers, 2018, 15, 648-657.	3.1	83
9	Characterization of Silane-Treated and Untreated Natural Fibers from Stem of Leucas Aspera. Journal of Natural Fibers, 2021, 18, 1957-1973.	3.1	77
10	Characterization of untreated and alkali treated natural fibers extracted from the stem of Catharanthus roseus. Materials Research Express, 2019, 6, 085406.	1.6	73
11	Extraction and Characterization of Natural Fiber from Stem of Cardiospermum Halicababum. Journal of Natural Fibers, 2021, 18, 898-908.	3.1	67
12	A new study on <scp>flaxâ€basaltâ€carbon</scp> fiber reinforced epoxy/<scp>bioepoxy</scp> hybrid composites. Polymer Composites, 2021, 42, 1891-1900.	4.6	59
13	Fully bio-based agro-waste soy stem fiber reinforced bio-epoxy composites for lightweight structural applications: Influence of surface modification techniques. Construction and Building Materials, 2021, 303, 124509.	7.2	56
14	Evaluation of Azadirachta indica seed/spent Camellia sinensis bio-filler based jute fabricsâ€"epoxy composites: Experimental and numerical studies. Journal of Industrial Textiles, 2020, 49, 1252-1277.	2.4	47
15	Characterization of chemical treated and untreated natural fibers from Pennisetum orientale grass- A potential reinforcement for lightweight polymeric applications. International Journal of Lightweight Materials and Manufacture, 2021, 4, 43-49.	2.1	44
16	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
17	Fatigue and thermo-mechanical properties of chemically treated Morinda citrifolia fiber-reinforced bio-epoxy composite: A sustainable green material for cleaner production. Journal of Cleaner Production, 2021, 326, 129411.	9.3	41
18	Characterization of Novel Natural Fiber from Saccharum Bengalense Grass (Sarkanda). Journal of Natural Fibers, 2020, 17, 1739-1747.	3.1	40

#	Article	IF	Citations
19	Characterization of raw and benzoyl chloride treated Impomea pes-caprae fibers and its epoxy composites. Materials Research Express, 2019, 6, 095307.	1.6	33
20	Effect of alkali treatment on performance characterization of Ziziphus mauritiana fiber and its epoxy composites. Journal of Industrial Textiles, 2022, 51, 2444S-2466S.	2.4	33
21	Thermo-mechanical Characterization of New Natural Cellulose Fiber from Zmioculus Zamiifolia. Journal of Polymers and the Environment, 2022, 30, 1391-1406.	5.0	23
22	Mechanical and thermal properties of flax/carbon/kevlar based epoxy hybrid composites. Polymer Composites, 2022, 43, 5649-5662.	4.6	19
23	INFLUENCE OF CHEMICAL TREATMENTS ON THE MECHANICAL CHARACTERISTICS OF ARECA SHEATHFLAX FIBRES BASED EPOXY COMPOSITES. Rasayan Journal of Chemistry, 2018, 11, 1255-1262.	0.4	15
24	Areca/synthetic fibers reinforced based epoxy hybrid composites for semiâ€structural applications. Polymer Composites, 2022, 43, 5222-5234.	4.6	15
25	Characterizations of plasma sprayed composite coatings over 1020 mild steel. Journal of Mechanical Science and Technology, 2017, 31, 4747-4754.	1.5	9
26	FINITE ELEMENT MODAL ANALYSIS OF COMPOSITE HEAVY VEHICLE CHASSIS USING ANSYS. Rasayan Journal of Chemistry, 0, , .	0.4	1