Narayanan Venkateshwaran

List of Publications by Year
in descending order

45 papers	1,883 citations	471371 17 h-index	289141 40 g-index
48 all docs	48 docs citations	48 times ranked	1571 citing authors

#	Article	IF	Citations
1	Effect of heat treatment and biosilica on mechanical, wear, and fatigue behavior of Al-TiB2 in situ metal matrix composite. Biomass Conversion and Biorefinery, 2023, 13, 2163-2175.	2.9	9
2	Glass/Brass-270 Wire-Mesh Nanosilica Toughened Epoxy Composite: Mechanical, Impact and Fatigue Behaviour. Silicon, 2022, 14, 289-299.	1.8	8
3	Influence of slicing parameters on surface quality and mechanical properties of 3D-printed CF/PLA composites fabricated by FDM technique. Materials Technology, 2022, 37, 1008-1025.	1.5	27
4	Optimization of Aging, Coating Temperature and Reinforcement Ratio on Biosilica Toughened in-situ Al-TiB2 Metal Matrix Composite: a Taguchi Grey Relational Approach. Silicon, 2022, 14, 4337-4347.	1.8	15
5	Ageing Studies of Wood-PLA 3D Printed Composites by FFF Technique. , 2022, , .		0
6	Adaptation of Multi Walled Carbon Nanotubes on Viscoelastic and Damping Behavior of Flax Fiber Composite. Journal of Natural Fibers, 2022, 19, 13258-13272.	1.7	2
7	Parametric Study of different Fiber Parameters and their Influence on Acoustics and Vibration Behavior of Jute Fiber/Polyester resin Composites. Journal of Natural Fibers, 2022, 19, 13063-13075.	1.7	7
8	Effects of jute fiber length and weight percentage on quasi-static flexural and dynamic mechanical properties of jute/polyester composites for thin-walled structure applications. Thin-Walled Structures, 2022, 179, 109719.	2.7	6
9	Role of Surface Functionalized Crystalline Nano-silica on Mechanical, Fatigue and Drop Load Impact Damage Behaviour of Effective Stacking Sequenced E-glass Fibre-reinforced Epoxy Resin Composite. Silicon, 2021, 13, 757-766.	1.8	8
10	Experimental investigation on the mechanical properties of woven hybrid fiber reinforced epoxy composite. Materials Today: Proceedings, 2021, 37, 1850-1853.	0.9	16
11	Experimental investigation on the mechanical properties of glass fiber with perforated aluminum sheet reinforced epoxy composite. Materials Today: Proceedings, 2021, 37, 1880-1883.	0.9	13
12	Impeller design and CFD analysis of fluid flow in rotodynamic pumps. Materials Today: Proceedings, 2021, 37, 2153-2157.	0.9	5
13	Impact of fiber length and surface modification on the acoustic behaviour of jute fiber. Applied Acoustics, 2021, 173, 107677.	1.7	16
14	Performance evaluation of Ni/Nano SiC coated tool insert for machining SS316l using Response Surface Methodology (RSM). Materials Today: Proceedings, 2021, 47, 4671-4671.	0.9	1
15	Mechanical and Mode I fracture toughness characteristics of hybrid laminated composites. , 2021, , 207-223.		2
16	Preparation and characterization of bromelain based poly-vinyl alcohol fiber. AIP Conference Proceedings, 2021, , .	0.3	0
17	WEAR STUDY OF JUTE FIBER POLYMER COMPOSITE â€" INFLUENCE OF MONTMORILLONITE NANOPARTICLES. Surface Review and Letters, 2021, 28, 2050040.	0.5	0
18	Ageing and Its Influence on Vibration Characteristics of Jute/Polyester Composites. Journal of Polymers and the Environment, 2019, 27, 2144-2155.	2.4	10

#	Article	IF	Citations
19	Statistical analysis of mechanical properties of wood-PLA composites prepared via additive manufacturing. International Journal of Polymer Analysis and Characterization, 2019, 24, 584-596.	0.9	21
20	On the response of Foam filled hat-stiffened CFRP shells under axial compression: experiments and FE modelling. Materials Research Express, 2019, 6, 125332.	0.8	1
21	THE EFFECT OF FIBER REINFORCEMENT ON FRACTURE TOUGHNESS ASSESSMENT OF NANOCLAY FILLED POLYMER COMPOSITES. Surface Review and Letters, 2019, 26, 1950050.	0.5	7
22	Effect of nanoclay addition and chemical treatment on static and dynamic mechanical analysis of jute fibre composites. Polimeros, 2019, 29, .	0.2	8
23	Influence of drilling process parameters on hybrid vinyl ester composite. Materials and Manufacturing Processes, 2018, 33, 1299-1305.	2.7	11
24	Investigation of drilling parameters on hybrid polymer composites using grey relational analysis, regression, fuzzy logic, and ANN models. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	50
25	Dynamic mechanical, thermal and wear analysis of Ni-P coated glass fiber/Alâ„Oâ‚ƒ nanowire reinforced vinyl ester composite. AEJ - Alexandria Engineering Journal, 2018, 57, 621-631.	3.4	18
26	Impact of surface adaptation andAcacia niloticabiofiller on static and dynamic properties of sisal fiber composite. International Journal of Polymer Analysis and Characterization, 2018, 23, 99-112.	0.9	28
27	TRIBOLOGICAL BEHAVIOR OF THIN NANO TUNGSTEN CARBIDE FILM DEPOSITED ON 316L STAINLESS STEEL SURFACE. Surface Review and Letters, 2018, 25, 1950027.	0.5	8
28	A review on recent progress in coatings on AISI austenitic stainless steel. Materials Today: Proceedings, 2018, 5, 14392-14396.	0.9	30
29	Mechanical, thermal and vibration characteristics of Dosinia exoleta dispersed polymer composites. International Journal of Polymer Analysis and Characterization, 2018, 23, 646-656.	0.9	16
30	SURFACE MODIFICATION OF 316L STAINLESS STEEL BY PLASMA-ASSISTED LOW TEMPERATURE CARBURIZING PROCESS. Surface Review and Letters, 2017, 24, 1750116.	0.5	10
31	Ni-P Coated Glass Fiber/Alâ„Oâ‚ƒ Nanowire Reinforced Vinyl Ester Composite. Porrime, 2017, 41, 443-451.	0.0	4
32	Vibration Analysis of Nanoclay Filled Natural Fiber Composites. Polymers and Polymer Composites, 2016, 24, 507-516.	1.0	33
33	Mechanical, dynamic mechanical, and thermal analysis ofShorea robusta-dispersed polyester composite. International Journal of Polymer Analysis and Characterization, 2016, 21, 314-326.	0.9	47
34	Design and analysis of a proton exchange membrane fuel cells (PEMFC). Renewable Energy, 2013, 49, 161-165.	4.3	16
35	Fiber surface treatment and its effect on mechanical and visco-elastic behaviour of banana/epoxy composite. Materials & Design, 2013, 47, 151-159.	5.1	192
36	Hole quality evaluation of natural fiber composite using image analysis technique. Journal of Reinforced Plastics and Composites, 2013, 32, 1188-1197.	1.6	62

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37	Mechanical and water absorption properties of woven jute/banana hybrid composites. Fibers and Polymers, 2012, 13, 907-914.	1.1	77
38	Mechanical and Dynamic Mechanical Analysis of Woven Banana/Epoxy Composite. Journal of Polymers and the Environment, 2012, 20, 565-572.	2.4	62
39	Prediction of tensile properties of hybrid-natural fiber composites. Composites Part B: Engineering, 2012, 43, 793-796.	5.9	280
40	Effect of fiber length and fiber content on mechanical properties of banana fiber/epoxy composite. Journal of Reinforced Plastics and Composites, 2011, 30, 1621-1627.	1.6	94
41	Modeling and evaluation of tensile properties of randomly oriented banana/epoxy composite. Journal of Reinforced Plastics and Composites, 2011, 30, 1957-1967.	1.6	19
42	Mechanical and water absorption behaviour of banana/sisal reinforced hybrid composites. Materials & Design, 2011, 32, 4017-4021.	5.1	395
43	Banana Fiber Reinforced Polymer Composites - A Review. Journal of Reinforced Plastics and Composites, 2010, 29, 2387-2396.	1.6	225
44	Mode I Fracture Toughness of Banana Fiber and Glass Fiber Reinforced Composites. Advanced Materials Research, 0, 622-623, 1320-1324.	0.3	2
45	Effect of Fiber Parameters on the Mechanical Properties of Banana-Glass Fiber Hybrid Composites. Applied Mechanics and Materials, 0, 592-594, 202-205.	0.2	1