Gujjala Raghavendra

List of Publications by Year
in descending order

55	1,413	393982	360668
papers	citations	19 h-index	35 g-index

61	61	61	1059
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of Nano-Silica on Enhancing the Mechanical Properties of Sisal/Kevlar Fiber Reinforced Polyester Hybrid Composites. Silicon, 2022, 14, 539-546.	1.8	27
2	Influence of copper addition on corrosion properties and hardness of Alâ€“Cu/Al two-layered-structure composites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 3146-3159.	1.1	2
3	Sustainable Thermochemical Extraction of Amorphous Silica from Biowaste. Silicon, 2022, 14, 5289-5296.	1.8	4
4	A comparison of the effect of nano clay addition on microstructures and mechanical properties of epoxy and polyester reinforced glass/sisal hybrid polymer composites. Polymer Composites, 2022, 43, 3871-3879.	2.3	5
5	Experimental investigation of mechanical and erosion behavior of eggshell nanoparticulate epoxy biocomposite. Polymers and Polymer Composites, 2021, 29, 897-908.	1.0	20
6	Characterization of porous activated carbon prepared from arhar stalks by single step chemical activation method. Materials Today: Proceedings, 2021, 39, 1476-1481.	0.9	55
7	Fabrication and Characterization of Silica Based Ceramic Composite for Filtration Applications. Silicon, 2021, 13, 1951-1960.	1.8	3
8	Formability and densification behavior of two-layered structure powder metallurgical hot-pressed Al-Cu/Al composites during hot-upsetting. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 582-593.	1.4	1
9	Investigation of tribological properties of biomass developed porous nano activated carbon composites. Wear, 2021, 466-467, 203523.	1.5	19
10	Scientific Insights on Tribological Aspects of Polymer Based Composites. Composites Science and Technology, 2021, , 17-32.	0.4	1
11	Effect of biomass derived biochar materials on mechanical properties of biochar epoxy composites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 5626-5638.	1.1	23
12	State of the art in functionally graded materials. Composite Structures, 2021, 262, 113596.	3.1	117
13	Effect of Grey and White Portland Cement Fillers on Flexural and Shear Strength of GFRP Composite Material. Advances in Materials Science and Engineering, 2021, 2021, 1-7.	1.0	4
14	Experimental Study of Thermal and Mechanical Behaviour of Graphite-Filled UJF Composite. Advances in Materials Science and Engineering, 2021, 2021, 1-7.	1.0	4
15	Investigation of Solid Particle Erosion Wear Behavior of Activated Carbon Polymer Composites. Lecture Notes in Mechanical Engineering, 2021, , 283-292.	0.3	0
16	Extraction and Characterization of Carbon from Bio Waste. Silicon, 2020, 12, 779-787.	1.8	4
17	Erosion Behavior of Gelcast Fused Silica Ceramic Composites. Silicon, 2020, 12, 903-911.	1.8	4
18	Effect of gâ€€ 3 N 4 nanofiller as filler on mechanical properties of multidirectional glass fiber epoxy hybrid composites. Journal of Applied Polymer Science, 2020, 137, 48413.	1.3	19

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19	Response Surface Modeling and Optimization of Gelcast Fused Silica Micro Hybrid Ceramic Composites. Silicon, 2020, 12, 1513-1528.	1.8	7
20	Study of moisture absorption and its effect on erosion wear behavior of eggshell nanoparticulate epoxy composite. Materials Today: Proceedings, 2020, 33, 5746-5750.	0.9	5
21	A review on the degradation of properties under the influence of liquid medium of hybrid polymer composites. SN Applied Sciences, 2020, 2, 1.	1.5	7
22	A critical review on erosion wear characteristics of polymer matrix composites. Materials Research Express, 2020, 7, 022002.	0.8	40
23	Mechanical characterization of arhar biomass based porous nano activated carbon polymer composites. Polymer Composites, 2020, 41, 3113-3123.	2.3	15
24	Thermogravimetric Analysis of Biochar from Arhar Fiber Powder Prepared at Different Pyrolysis Temperatures. Lecture Notes in Mechanical Engineering, 2020, , 429-437.	0.3	1
25	Production of high performance AA7150-1% SiC nanocomposite by novel fabrication process of ultrasonication assisted stir casting. Ultrasonics Sonochemistry, 2019, 58, 104665.	3.8	63
26	A single step process to synthesize ordered porous carbon from coconut shells-eggshells biowaste. Materials Research Express, 2019, 6, 115613.	0.8	6
27	Erosion behaviour of graphitic carbon nitride (g-C3N4) reinforced epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 577, 012144.	0.3	2
28	Effect of bi-directional and multi-directional fibers on the mechanical properties of glass fiber-epoxy composites. Materials Research Express, 2019, 6, 115353.	0.8	5
29	Influence of Solid Loading and Ratio of Monomers on Mechanical and Dielectric Properties of Hybrid Ceramic Composites. Silicon, 2019, 11, 2701-2710.	1.8	4
30	Optimization of Input Parameters on Erosion Wear Rate of PTFE/HNT filled nanocomposites. Materials Today: Proceedings, 2018, 5, 1462-1469.	0.9	5
31	Influence of Distinct Environment on the Mechanical Characteristics of Arhar Fiber Polymer Composites. Silicon, 2018, 10, 825-830.	1.8	16
32	Effects of environmental exposure on tribological properties of Arhar particulate/epoxy composites. Polymer Composites, 2018, 39, 3102-3109.	2.3	19
33	Effects of Environmental Conditions on Erosion Wear of Eggshell Particulate Epoxy Composites. Silicon, 2018, 10, 627-634.	1.8	34
34	Moisture Absorption Behavior of Treated and Untreated Eggshell Particulate Epoxy Composites. Silicon, 2018, 10, 859-867.	1.8	13
35	Moisture absorption behavior and its effect on the mechanical properties of jute-reinforced epoxy composite. Polymer Composites, 2017, 38, 516-522.	2.3	28
36	Comparison of Straight Line to Conformal Cooling Channel in Injection Molding. Materials Today: Proceedings, 2017, 4, 1167-1173.	0.9	30

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37	A comparative analysis of woven jute/glass hybrid polymer composite with and without reinforcing of fly ash particles. Polymer Composites, 2016, 37, 658-665.	2.3	26
38	Evaluation of mechanical behaviour of nanometer and micrometer fly ash particle-filled woven bidirectional jute/glass hybrid nanocomposites. Journal of Industrial Textiles, 2016, 45, 1268-1287.	1.1	25
39	Evaluation of mechanical and tribological properties of bambooâ€“glass hybrid fiber reinforced polymer composite. Journal of Industrial Textiles, 2016, 46, 3-18.	1.1	61
40	A novel approach to utilize waste carbon as reinforcement in thermoset composite. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2016, 230, 263-273.	1.4	5
41	An Investigation on Thermal Conductivity of Graphite Filled PA66 Composites. Procedia Engineering, 2015, 127, 1308-1314.	1.2	4
42	Influence of micro/nanofiller alumina on the mechanical behavior of novel hybrid epoxy nanocomposites. High Performance Polymers, 2015, 27, 342-351.	0.8	37
43	Mechanical properties of natural carbon black reinforced polymer composites. Journal of Applied Polymer Science, 2015, 132, .	1.3	38
44	Effect of Filler Loading on Mechanical and Tribological Properties of Wood Apple Shell Reinforced Epoxy Composite. Advances in Materials Science and Engineering, 2014, 2014, 1-9.	1.0	84
45	Effect of carbonization temperature and fibre content on the abrasive wear of rice husk char reinforced epoxy composite. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2014, 228, 463-469.	1.0	14
46	Studies on fatigue life enhancement of pre-fatigued spring steel specimens using laser shock peening. Materials & Design, 2014, 54, 734-741.	5.1	78
47	A comparative investigation of bio waste filler (wood appleâ€coconut) reinforced polymer composites. Polymer Composites, 2014, 35, 180-185.	2.3	92
48	Jute fiber reinforced epoxy composites and comparison with the glass and neat epoxy composites. Journal of Composite Materials, 2014, 48, 2537-2547.	1.2	112
49	Mechanical properties of woven juteâ€“glass hybrid-reinforced epoxy composite. Journal of Composite Materials, 2014, 48, 3445-3455.	1.2	126
50	Mechanical and Tribological Behavior of Alumina Nano Filler Reinforced Epoxy Hybrid Composites. , 2013, , .		2
51	Fabrication-Modelling and Analysis on Tribological Performance of Natural Composites Using Taguchi Approach. Procedia Engineering, 2012, 38, 2635-2644.	1.2	10
52	Studies on laser peening of spring steel for automotive applications. Optics and Lasers in Engineering, 2012, 50, 678-686.	2.0	75
53	Comparison of Erosion Wear of Bidirectional and Multidirectional Oriented Glass Fibre Epoxy Composites. Materials Science Forum, 0, 969, 157-162.	0.3	3
54	Evaluation of Mechanical and Tribological Properties of Biowaste and Biowaste Based Silica Particulate Epoxy Composites. Silicon, 0, , 1.	1.8	4

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55	Experimental evaluation and comparison of silica/biocarbon particulate-epoxy composites for high-strength applications. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 0, , 146442072110435.	0.7	2