

# Gujjala Raghavendra

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,413  
citations

393982

19  
h-index

360668

35  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1059  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of woven jute-glass hybrid-reinforced epoxy composite. Journal of Composite Materials, 2014, 48, 3445-3455.	1.2	126
2	State of the art in functionally graded materials. Composite Structures, 2021, 262, 113596.	3.1	117
3	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
4	A comparative investigation of bio waste filler (wood apple-coconut) reinforced polymer composites. Polymer Composites, 2014, 35, 180-185.	2.3	92
5	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
6	Studies on fatigue life enhancement of pre-fatigued spring steel specimens using laser shock peening. Materials & Design, 2014, 54, 734-741.	5.1	78
7	Studies on laser peening of spring steel for automotive applications. Optics and Lasers in Engineering, 2012, 50, 678-686.	2.0	75
8	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
9	Evaluation of mechanical and tribological properties of bamboo-glass hybrid fiber reinforced polymer composite. Journal of Industrial Textiles, 2016, 46, 3-18.	1.1	61
10	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
11	A critical review on erosion wear characteristics of polymer matrix composites. Materials Research Express, 2020, 7, 022002.	0.8	40
12	Mechanical properties of natural carbon black reinforced polymer composites. Journal of Applied Polymer Science, 2015, 132, .	1.3	38
13	Influence of micro/nanofiller alumina on the mechanical behavior of novel hybrid epoxy nanocomposites. High Performance Polymers, 2015, 27, 342-351.	0.8	37
14	Effects of Environmental Conditions on Erosion Wear of Eggshell Particulate Epoxy Composites. Silicon, 2018, 10, 627-634.	1.8	34
15	Comparison of Straight Line to Conformal Cooling Channel in Injection Molding. Materials Today: Proceedings, 2017, 4, 1167-1173.	0.9	30
16	Moisture absorption behavior and its effect on the mechanical properties of jute-reinforced epoxy composite. Polymer Composites, 2017, 38, 516-522.	2.3	28
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Evaluation of mechanical behaviour of nanometer and micrometer fly ash particle-filled woven bidirectional jute/glass hybrid nanocomposites. <i>Journal of Industrial Textiles</i> , 2016, 45, 1268-1287.	1.1	25
20	Effect of biomass derived biochar materials on mechanical properties of biochar epoxy composites. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 5626-5638.	1.1	23
21	Experimental investigation of mechanical and erosion behavior of eggshell nanoparticulate epoxy biocomposite. <i>Polymers and Polymer Composites</i> , 2021, 29, 897-908.	1.0	20
22	Effects of environmental exposure on tribological properties of Arhar particulate/epoxy composites. <i>Polymer Composites</i> , 2018, 39, 3102-3109.	2.3	19
23	Effect of 3 N 4 nanofiller as filler on mechanical properties of multidirectional glass fiber epoxy hybrid composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48413.	1.3	19
24	Investigation of tribological properties of biomass developed porous nano activated carbon composites. <i>Wear</i> , 2021, 466-467, 203523.	1.5	19
25	Influence of Distinct Environment on the Mechanical Characteristics of Arhar Fiber Polymer Composites. <i>Silicon</i> , 2018, 10, 825-830.	1.8	16
26	Mechanical characterization of arhar biomass based porous nano activated carbon polymer composites. <i>Polymer Composites</i> , 2020, 41, 3113-3123.	2.3	15
27	Effect of carbonization temperature and fibre content on the abrasive wear of rice husk char reinforced epoxy composite. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 463-469.	1.0	14
28	Moisture Absorption Behavior of Treated and Untreated Eggshell Particulate Epoxy Composites. <i>Silicon</i> , 2018, 10, 859-867.	1.8	13
29	Fabrication-Modelling and Analysis on Tribological Performance of Natural Composites Using Taguchi Approach. <i>Procedia Engineering</i> , 2012, 38, 2635-2644.	1.2	10
30	Response Surface Modeling and Optimization of Gelcast Fused Silica Micro Hybrid Ceramic Composites. <i>Silicon</i> , 2020, 12, 1513-1528.	1.8	7
31	A review on the degradation of properties under the influence of liquid medium of hybrid polymer composites. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
32	A single step process to synthesize ordered porous carbon from coconut shells-eggshells biowaste. <i>Materials Research Express</i> , 2019, 6, 115613.	0.8	6
33	A novel approach to utilize waste carbon as reinforcement in thermoset composite. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2016, 230, 263-273.	1.4	5
34	Optimization of Input Parameters on Erosion Wear Rate of PTFE/HNT filled nanocomposites. <i>Materials Today: Proceedings</i> , 2018, 5, 1462-1469.	0.9	5
35	Effect of bi-directional and multi-directional fibers on the mechanical properties of glass fiber-epoxy composites. <i>Materials Research Express</i> , 2019, 6, 115353.	0.8	5
36	Study of moisture absorption and its effect on erosion wear behavior of eggshell nanoparticulate epoxy composite. <i>Materials Today: Proceedings</i> , 2020, 33, 5746-5750.	0.9	5

#	ARTICLE	IF	CITATIONS
37	A comparison of the effect of nano clay addition on microstructures and mechanical properties of epoxy and polyester reinforced glass/sisal hybrid polymer composites. <i>Polymer Composites</i> , 2022, 43, 3871-3879.	2.3	5
38	An Investigation on Thermal Conductivity of Graphite Filled PA66 Composites. <i>Procedia Engineering</i> , 2015, 127, 1308-1314.	1.2	4
39	Influence of Solid Loading and Ratio of Monomers on Mechanical and Dielectric Properties of Hybrid Ceramic Composites. <i>Silicon</i> , 2019, 11, 2701-2710.	1.8	4
40	Extraction and Characterization of Carbon from Bio Waste. <i>Silicon</i> , 2020, 12, 779-787.	1.8	4
41	Erosion Behavior of Gelcast Fused Silica Ceramic Composites. <i>Silicon</i> , 2020, 12, 903-911.	1.8	4
42	Effect of Grey and White Portland Cement Fillers on Flexural and Shear Strength of GFRP Composite Material. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-7.	1.0	4
43	Evaluation of Mechanical and Tribological Properties of Biowaste and Biowaste Based Silica Particulate Epoxy Composites. <i>Silicon</i> , 0, , 1.	1.8	4
44	Experimental Study of Thermal and Mechanical Behaviour of Graphite-Filled UJF Composite. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-7.	1.0	4
45	Sustainable Thermochemical Extraction of Amorphous Silica from Biowaste. <i>Silicon</i> , 2022, 14, 5289-5296.	1.8	4
46	Comparison of Erosion Wear of Bidirectional and Multidirectional Oriented Glass Fibre Epoxy Composites. <i>Materials Science Forum</i> , 0, 969, 157-162.	0.3	3
47	Fabrication and Characterization of Silica Based Ceramic Composite for Filtration Applications. <i>Silicon</i> , 2021, 13, 1951-1960.	1.8	3
48	Mechanical and Tribological Behavior of Alumina Nano Filler Reinforced Epoxy Hybrid Composites. , 2013, , .		2
49	Erosion behaviour of graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) reinforced epoxy composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 577, 012144.	0.3	2
50	Influence of copper addition on corrosion properties and hardness of Al-Cu/Al two-layered-structure composites. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 3146-3159.	1.1	2
51	Experimental evaluation and comparison of silica/biocalcine particulate-epoxy composites for high-strength applications. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 0, , 146442072110435.	0.7	2
52	Formability and densification behavior of two-layered structure powder metallurgical hot-pressed Al-Cu/Al composites during hot-upsetting. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 582-593.	1.4	1
53	Scientific Insights on Tribological Aspects of Polymer Based Composites. <i>Composites Science and Technology</i> , 2021, , 17-32.	0.4	1
54	Thermogravimetric Analysis of Biochar from Arhar Fiber Powder Prepared at Different Pyrolysis Temperatures. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 429-437.	0.3	1

#	ARTICLE	IF	CITATIONS
55	Investigation of Solid Particle Erosion Wear Behavior of Activated Carbon Polymer Composites. Lecture Notes in Mechanical Engineering, 2021, , 283-292.	0.3	0