

# Vinayagamoorthy R

## List of Publications by Year in descending order

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32  
papers

647  
citations

687363

13  
h-index

610901

24  
g-index

35  
all docs

35  
docs citations

35  
times ranked

400  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on effect machining parameters on performance of natural fibre reinforced composites (NFRCS). Journal of Thermoplastic Composite Materials, 2019, 32, 1282-1302.	4.2	63
2	Mechanical performance studies on <i>Vetiveria zizanioides</i> /jute/glass fiber-reinforced hybrid polymeric composites. Journal of Reinforced Plastics and Composites, 2014, 33, 81-92.	3.1	61
3	Machining and its challenges on bio-fibre reinforced plastics: A critical review. Journal of Reinforced Plastics and Composites, 2018, 37, 1037-1050.	3.1	45
4	A review on the polymeric laminates reinforced with natural fibers. Journal of Reinforced Plastics and Composites, 2017, 36, 1577-1589.	3.1	44
5	Influence of fiber surface modifications on the mechanical behavior of <i>Vetiveria zizanioides</i> reinforced polymer composites. Journal of Natural Fibers, 2019, 16, 163-174.	3.1	43
6	A review on the machining of fiber-reinforced polymeric laminates. Journal of Reinforced Plastics and Composites, 2018, 37, 49-59.	3.1	42
7	Parametric optimization studies on drilling of sandwich composites using the Box Behnken design. Materials and Manufacturing Processes, 2017, 32, 645-653.	4.7	40
8	A central composite design based fuzzy logic for optimization of drilling parameters on natural fiber reinforced composite. Journal of Mechanical Science and Technology, 2018, 32, 2011-2020.	1.5	38
9	Friction and wear characteristics of fibre-reinforced plastic composites. Journal of Thermoplastic Composite Materials, 2020, 33, 828-850.	4.2	37
10	Investigations of Damages during Drilling of Natural Sandwich Composites. Applied Mechanics and Materials, 0, 766-767, 812-817.	0.2	26
11	Effect of particle sizes on the mechanical behaviour of limestone-reinforced hybrid plastics. Polymers and Polymer Composites, 2020, 28, 410-420.	1.9	20
12	Fuzzy Based Optimization of Thrust Force and Torque during Drilling of Natural Hybrid Composites. Applied Mechanics and Materials, 0, 787, 265-269.	0.2	19
13	Trends and Challenges on the Development of Hybridized Natural Fiber Composites. Journal of Natural Fibers, 2020, 17, 1757-1774.	3.1	16
14	Surface roughness analysis and optimization during drilling on chemically treated natural fiber composite. Materials Today: Proceedings, 2019, 16, 567-573.	1.8	14
15	Synthesis and property analysis of green resin-based composites. Journal of Thermoplastic Composite Materials, 2020, 33, 1429-1445.	4.2	14
16	Surface and Sub-surface Analysis of Hybrid Polymer Composites during Machining Operations. , 2014, 5, 2075-2083.		13
17	Properties Investigations on Metallic Fiber Reinforced Sandwich Composites. Applied Mechanics and Materials, 2015, 813-814, 101-105.	0.2	13
18	Drilling Performance Investigations on Hybrid Composites by Using D-Optimal Design. International Review of Mechanical Engineering, 2014, 8, 952.	0.2	13

#	ARTICLE	IF	CITATIONS
19	Influence of fibre pretreatments on characteristics of green fabric materials. <i>Polymers and Polymer Composites</i> , 2021, 29, 1039-1054.	1.9	11
20	Characteristic Investigations on Loofah, Jute and Glass Fiber Reinforced Sandwich Polymeric Composites. <i>Applied Mechanics and Materials</i> , 2015, 813-814, 14-18.	0.2	10
21	A study on the Properties of Natural Sandwich Laminates. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.7	9
22	Modeling and Analysis of Drilling Induced Damages on Hybrid Composites. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.7	8
23	Challenges on the synthesis, characterization and machining of green fiber plastics: A review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 390, 012029.	0.6	8
24	Drilling associated parametric investigations on chemically treated natural fiber composite. <i>Materials Today: Proceedings</i> , 2019, 16, 277-283.	1.8	7
25	Defect Reduction in Ring Blank Casting Through Design of Experiments. <i>International Review of Mechanical Engineering</i> , 2015, 9, 536.	0.2	6
26	PERFORMANCE ENHANCEMENT OF A DIESEL ENGINE BY PROVIDING INSULATIONS ON ENGINE PARTS. <i>International Journal on Design and Manufacturing Technologies</i> , 2009, 3, 63-72.	0.1	6
27	1 Mechanical performance of glass- and biofibre-reinforced hybrid composites. , 2020, , 1-16.		4
28	Review on Thermal analysis of Polymer Matrix Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 954, 012037.	0.6	3
29	Nitrate and Chromium Contamination in Groundwater from Effluent of Tanneries and Drastic Vulnerability Index Map – A Case Study of Ranipet area, Vellore District, Tamilnadu. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.7	2
30	Influence of nanoparticles on the characters of polymeric composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 954, 012026.	0.6	2
31	Development and characterization of bio-composites using senegalia catechu resin. <i>Polymers and Polymer Composites</i> , 2021, 29, S1268-S1279.	1.9	2
32	Bio-fibre Reinforced Polymeric Composites for Industrial, Medicine and Domestic Applications. <i>Composites Science and Technology</i> , 2022, , 31-49.	0.6	1