

# Vinayagamoorthy R

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Bio-fibre Reinforced Polymeric Composites for Industrial, Medicine and Domestic Applications. Composites Science and Technology, 2022, , 31-49.	0.6	1
2	Influence of fibre pretreatments on characteristics of green fabric materials. Polymers and Polymer Composites, 2021, 29, 1039-1054.	1.9	11
3	Development and characterization of bio-composites using senegalia catechu resin. Polymers and Polymer Composites, 2021, 29, S1268-S1279.	1.9	2
4	Friction and wear characteristics of fibre-reinforced plastic composites. Journal of Thermoplastic Composite Materials, 2020, 33, 828-850.	4.2	37
5	Synthesis and property analysis of green resin-based composites. Journal of Thermoplastic Composite Materials, 2020, 33, 1429-1445.	4.2	14
6	Trends and Challenges on the Development of Hybridized Natural Fiber Composites. Journal of Natural Fibers, 2020, 17, 1757-1774.	3.1	16
7	Effect of particle sizes on the mechanical behaviour of limestone-reinforced hybrid plastics. Polymers and Polymer Composites, 2020, 28, 410-420.	1.9	20
8	Review on Thermal analysis of Polymer Matrix Composites. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012037.	0.6	3
9	Influence of nanoparticles on the characters of polymeric composites. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012026.	0.6	2
10	1 Mechanical performance of glass- and biofibre-reinforced hybrid composites. , 2020, , 1-16.		4
11	Drilling associated parametric investigations on chemically treated natural fiber composite. Materials Today: Proceedings, 2019, 16, 277-283.	1.8	7
12	Surface roughness analysis and optimization during drilling on chemically treated natural fiber composite. Materials Today: Proceedings, 2019, 16, 567-573.	1.8	14
13	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
14	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
15	A review on the machining of fiber-reinforced polymeric laminates. Journal of Reinforced Plastics and Composites, 2018, 37, 49-59.	3.1	42
16	Challenges on the synthesis, characterization and machining of green fiber plastics: A review. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012029.	0.6	8
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	A review on the polymeric laminates reinforced with natural fibers. Journal of Reinforced Plastics and Composites, 2017, 36, 1577-1589.	3.1	44
20	Parametric optimization studies on drilling of sandwich composites using the Boxâ€œBehnken design. Materials and Manufacturing Processes, 2017, 32, 645-653.	4.7	40
21	Modeling and Analysis of Drilling Induced Damages on Hybrid Composites. Indian Journal of Science and Technology, 2016, 9, .	0.7	8
22	A study on the Properties of Natural Sandwich Laminates. Indian Journal of Science and Technology, 2016, 9, .	0.7	9
23	Nitrate and Chromium Contamination in Groundwater from Effluent of Tanneries and Drastic Vulnerability Index Map â€œ A Case Study of Ranipet area, Vellore District, Tamilnadu. Indian Journal of Science and Technology, 2016, 9, .	0.7	2
24	Characteristic Investigations on Loofah, Jute and Glass Fiber Reinforced Sandwich Polymeric Composites. Applied Mechanics and Materials, 2015, 813-814, 14-18.	0.2	10
25	Properties Investigations on Metallic Fiber Reinforced Sandwich Composites. Applied Mechanics and Materials, 2015, 813-814, 101-105.	0.2	13
26	Defect Reduction in Ring Blank Casting Through Design of Experiments. International Review of Mechanical Engineering, 2015, 9, 536.	0.2	6
27	Surface and Sub-surface Analysis of Hybrid Polymer Composites during Machining Operations. , 2014, 5, 2075-2083.		13
28	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
29	Drilling Performance Investigations on Hybrid Composites by Using D-Optimal Design. International Review of Mechanical Engineering, 2014, 8, 952.	0.2	13
30	PERFORMANCE ENHANCEMENT OF A DIESEL ENGINE BY PROVIDING INSULATIONS ON ENGINE PARTS. International Journal on Design and Manufacturing Technologies, 2009, 3, 63-72.	0.1	6
31	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
32	Investigations of Damages during Drilling of Natural Sandwich Composites. Applied Mechanics and Materials, 0, 766-767, 812-817.	0.2	26