

Vijaya Ramnath B

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

2,190
citations

361413

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243625

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docs citations

87
times ranked

1591
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of mechanical properties of abacaâ€“juteâ€“glass fibre reinforced epoxy composite. <i>Materials & Design</i> , 2013, 51, 357-366.	5.1	250
2	Evaluation of mechanical properties of aluminium alloyâ€“aluminaâ€“boron carbide metal matrix composites. <i>Materials & Design</i> , 2014, 58, 332-338.	5.1	238
3	Evaluation of mechanical and thermal properties of bananaâ€“flax based natural fibre composite. <i>Materials & Design</i> , 2014, 60, 620-627.	5.1	207
4	Review on mechanical properties of natural fiber composites.. <i>Materials Today: Proceedings</i> , 2018, 5, 1785-1790.	1.8	191
5	Investigation of Mechanical Properties of Aluminium 6061-Silicon Carbide, Boron Carbide Metal Matrix Composite. <i>Silicon</i> , 2018, 10, 495-502.	3.3	165
6	Determination of mechanical properties of intra-layer abacaâ€“juteâ€“glass fiber reinforced composite. <i>Materials & Design</i> , 2014, 60, 643-652.	5.1	150
7	Experimental investigation of mechanical behavior of Jute-Flax based glass fiber reinforced composite. <i>Fibers and Polymers</i> , 2014, 15, 1251-1262.	2.1	76
8	Effect of Fiber Orientation and Stacking Sequence on Mechanical and Thermal Characteristics of Banana-Kenaf Hybrid Epoxy Composite. <i>Silicon</i> , 2017, 9, 577-585.	3.3	62
9	Experimental determination of mechanical properties of banana jute hybrid composite. <i>Fibers and Polymers</i> , 2015, 16, 164-172.	2.1	50
10	Review on Sandwich Composite and their Applications. <i>Materials Today: Proceedings</i> , 2019, 16, 859-864.	1.8	50
11	Investigation on mechanical behaviour of twisted natural fiber hybrid composite fabricated by vacuum assisted compression molding technique. <i>Fibers and Polymers</i> , 2016, 17, 80-87.	2.1	45
12	Sea Shells And Natural Fibres Composites: A Review. <i>Materials Today: Proceedings</i> , 2018, 5, 1846-1851.	1.8	44
13	Mechanical properties of boehmeria nivea reinforced polymer composite. <i>Materials Today: Proceedings</i> , 2019, 16, 883-888.	1.8	41
14	A grey-fuzzy modeling for evaluating surface roughness and material removal rate of coated end milling insert. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 84, 68-82.	5.0	40
15	Review on metal matrix composites for marine applications. <i>Materials Today: Proceedings</i> , 2018, 5, 1211-1218.	1.8	39
16	Parameter Optimization of Friction Stir Welding Of AA8011-6062 Using Mathematical Method. <i>Procedia Engineering</i> , 2014, 97, 775-782.	1.2	34
17	Design and Development of Milling Fixture for Friction Stir Welding. <i>Materials Today: Proceedings</i> , 2018, 5, 1832-1838.	1.8	31
18	Influence of organic corrosion inhibitors on pickling corrosion behaviour of sinter-forged C45 steel and 2% Cu alloyed C45 steel. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3299-3309.	5.5	29

#	ARTICLE	IF	CITATIONS
19	A Review on CNT Reinforced Aluminium and Magnesium Matrix Composites. Applied Mechanics and Materials, 0, 591, 120-123.	0.2	23
20	Investigation on Mechanical and Thermal Properties of Stainless Steel Wire Mesh-Glass Fibre Reinforced Polymer Composite. Silicon, 2018, 10, 2643-2651.	3.3	23
21	Investigation on effect of fibre hybridization and orientation on mechanical behaviour of natural fibre epoxy composite. Bulletin of Materials Science, 2017, 40, 773-782.	1.7	22
22	Effect of pin profile and rotational speed on microstructure and tensile strength of dissimilar AA8011, AA01-T6 friction stir welded aluminum alloys. Materials Today: Proceedings, 2018, 5, 24515-24524.	1.8	22
23	Investigation of Tensile Behavior of Kevlar Composite. Materials Today: Proceedings, 2018, 5, 1156-1161.	1.8	19
24	Optimization of Process Parameters in Abrasive Water Jet Machining/Cutting (AWJM) of Nickel Alloy using Traditional Analysis to Minimize Kerf Taper Angle. Materials Today: Proceedings, 2019, 16, 392-397.	1.8	19
25	Mechanical, Thermal and Wear Behavior of SiC Particle Strengthening of PMMA-Toughened Glass-Epoxy Hybrid Composite. Silicon, 2021, 13, 1925-1932.	3.3	17
26	Investigation of Mechanical Behaviour of Basalt-Banana Hybrid Composites. Silicon, 2019, 11, 1939-1948.	3.3	16
27	Properties and Performance Analysis of Woven Roving Composite Laminates for Automotive Panel Board Applications. Advanced Materials Research, 0, 683, 21-24.	0.3	13
28	Investigation on Mechanical Properties of Nano Ferrous Composite. Procedia Engineering, 2014, 97, 513-521.	1.2	12
29	Hardness and impact behaviour of aluminium metal matrix composite. IOP Conference Series: Materials Science and Engineering, 0, 390, 012075.	0.6	12
30	Implementation of Lean Manufacturing in Indian SMEs-A case study. Materials Today: Proceedings, 2019, 16, 1244-1250.	1.8	12
31	Parametric analysis on Electro-chemical machining of SKD-12 tool steel. Materials Today: Proceedings, 2017, 4, 3760-3766.	1.8	11
32	Mechanical Characterization of Natural Fiber Polymer Composites. Materials Today: Proceedings, 2019, 16, 1006-1012.	1.8	11
33	A review on aluminium metal matrix composites. Materials Today: Proceedings, 2021, 46, 4341-4343.	1.8	11
34	Optimization of process parameters in Electro-chemical machining (ECM) of D3 die steels using Taguchi technique. Materials Today: Proceedings, 2017, 4, 7884-7891.	1.8	10
35	Optimization of process parameters in drilling of fibre hybrid composite using Taguchi and grey relational analysis. IOP Conference Series: Materials Science and Engineering, 2017, 183, 012003.	0.6	9
36	Design and Comparison of the Strength and Efficiency of Drive Shaft made of Steel and Composite Materials. Materials Today: Proceedings, 2018, 5, 1000-1007.	1.8	9

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37	Determination of Mechanical Behaviour of Fe-CNT MMC. Materials Today: Proceedings, 2018, 5, 1176-1185.	1.8	9
38	Experimental evaluation on Mechanical Properties of Natural Fiber Polymer Composites with Human Hair. Materials Today: Proceedings, 2019, 16, 1304-1311.	1.8	9
39	Investigation of Mechanical Behaviour of Glass Fibre Based SiC Polymer Composites. Applied Mechanics and Materials, 2014, 591, 142-145.	0.2	8
40	Implementation of Reverse Engineering for Crankshaft Manufacturing Industry. Materials Today: Proceedings, 2018, 5, 994-999.	1.8	8
41	Mechanical behaviour of Natural and Glass fiber reinforced with polymer matrix composite. Materials Today: Proceedings, 2019, 16, 1297-1303.	1.8	8
42	Prediction of mechanical properties of Al6061 metal matrix composites reinforced with zircon sand and boron carbide. Materialpruefung/Materials Testing, 2019, 61, 537-542.	2.2	8
43	Analysis of Occupational Safety and Health of Workers by Implementing Ergonomic Based Kitting Assembly System. Procedia Engineering, 2014, 97, 1788-1797.	1.2	7
44	Natural fibre composites-A Review. IOP Conference Series: Materials Science and Engineering, 0, 390, 012065.	0.6	7
45	A REVIEW ON SANDWICH COMPOSITES AND THEIR ADVANCEMENTS. Materials Today: Proceedings, 2019, 16, 1146-1151.	1.8	7
46	Mechanical and thermal properties of PVC and polyurethane foam hybrid composites. Materialpruefung/Materials Testing, 2020, 62, 544-552.	2.2	7
47	Value Stream Evaluation and Simulation to Improve Material Flow and Productivity. Applied Mechanics and Materials, 2014, 612, 89-95.	0.2	6
48	A repair operator for the preliminary design of a composite structure using genetic algorithms. Structural and Multidisciplinary Optimization, 2017, 55, 2099-2110.	3.5	6
49	Investigation of Micro-structure and Mechanical Behaviour of Aluminum - Zircon Sand - Tungsten Carbide Metal Matrix Composites. Materials Today: Proceedings, 2018, 5, 25553-25561.	1.8	6
50	MCDM approach for selecting suitable solar tracking system. , 2013, , .		5
51	Investigation on Impact and Compression Properties of Pineapple Reinforced Polymer Composite. Applied Mechanics and Materials, 0, 591, 116-119.	0.2	5
52	Experimental Investigation on Shear and Hardness of Abaca based Hybrid Composites. MATEC Web of Conferences, 2016, 74, 00039.	0.2	5
53	Studies on Mechanical Behaviour of Aluminium-Silicon Carbide-Copper Metal Matrix Composite. MATEC Web of Conferences, 2018, 166, 01001.	0.2	5
54	Investigation on the Influence of Performance Characteristics on Machining Inconel 625 alloy in Electro-Discharge Machining (EDM). Materials Today: Proceedings, 2018, 5, 20449-20454.	1.8	5

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55	A review on friction stir welding of aluminium metal matrix composites. IOP Conference Series: Materials Science and Engineering, 0, 390, 012103.	0.6	5
56	Mechanical and Wear Behavior of Aluminium-Zircon Sand-Flyash Metal Matrix Composite. IOP Conference Series: Materials Science and Engineering, 0, 390, 012018.	0.6	5
57	Investigation of Tensile Behavior of Sisal and Coir Reinforced Hybrid Composites Using Vinyl Ester Resin. Applied Mechanics and Materials, 0, 591, 146-149.	0.2	4
58	Determination of Mechanical Properties of Notched Weft Knitted Glass Fiber in Variable Thickness Composites. Applied Mechanics and Materials, 2014, 591, 124-127.	0.2	4
59	Optimization of process parameters on EN24 Tool steel using Taguchi technique in Electro-Discharge Machining (EDM). IOP Conference Series: Materials Science and Engineering, 2016, 149, 012022.	0.6	4
60	Hybrid Fuzzy based response surface optimization of welding parameters on Vickers microhardness and impact strength of FSWed AA8011-H24 aluminium alloy joints. Materials Today: Proceedings, 2020, 23, 573-582.	1.8	4
61	Experimental investigation on stacking sequence of Kevlar and natural fibres/epoxy polymer composites. Polimeros, 2021, 31, .	0.7	4
62	Investigation of Mechanical properties of Aluminium reinforced Fly ash with CNT. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012032.	0.6	3
63	Wear analysis of Sintered Al-B4C Composite. Materials Today: Proceedings, 2019, 16, 481-487.	1.8	3
64	Investigations of Flexural and Hardness Behaviour of Graphene Composites. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012004.	0.6	3
65	Design and fabrication of Impact Die for Powder Metallurgy. Materials Today: Proceedings, 2018, 5, 329-334.	1.8	2
66	Review on Natural Fiber Composites. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012062.	0.6	2
67	Study on Mechanical and Metallurgical properties of Glass fibre Reinforced PMC Gear Materials. Materials Today: Proceedings, 2019, 16, 524-531.	1.8	2
68	Effect of variation in injector nozzle holes on the performance of preheated Spirulina methyl ester used in VCR engine. Materials Today: Proceedings, 2021, 45, 5840-5846.	1.8	2
69	MCDM Model for Selection of Optimum Machining Process. Materials Science Forum, 0, 773-774, 348-354.	0.3	1
70	Powered Two-Wheeler with Integrated Safety Using Recurdyn Multi-Body Dynamics. Applied Mechanics and Materials, 0, 591, 193-196.	0.2	1
71	Investigation of shear behaviour of polymer composite golf shaft. Materials Today: Proceedings, 2017, 4, 9218-9223.	1.8	1
72	Investigation of flexural behaviour of polymer composite golf shaft. Materials Today: Proceedings, 2017, 4, 9341-9345.	1.8	1

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73	Review on Testing of Polymer Fasteners*. Materials Today: Proceedings, 2018, 5, 1817-1823.	1.8	1
74	Implementation of Concurrent Redesign & Manufacture procedure for an automotive component. Materials Today: Proceedings, 2018, 5, 1418-1424.	1.8	1
75	Sandwich and Natural fiber composites - A review. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012067.	0.6	1
76	Time Dependent Behaviour of PMMA-Toughened Siliconized SiC Strengthened Glass-Epoxy Composite. Silicon, 0, , 1.	3.3	1
77	Wear behaviour of foam and fiber based sandwich composite “ A review. Materials Today: Proceedings, 2021, 46, 3919-3923.	1.8	1
78	Design and Fabrication of 3D Syskevis Metrisis. Applied Mechanics and Materials, 0, 110-116, 4744-4747.	0.2	0
79	Modelling and Analysis of Extrusion Die and Bolt Ejector Pin. Applied Mechanics and Materials, 0, 591, 137-141.	0.2	0
80	Investigation of torsional behavior of polymer composite golf shaft. Materials Today: Proceedings, 2017, 4, 3342-3345.	1.8	0
81	Prediction of tensile behavior of polymer composite golf shaft. Materials Today: Proceedings, 2017, 4, 3356-3360.	1.8	0
82	A Review On sandwich and Natural Fiber Composites. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012069.	0.6	0
83	Wind Effects of an Upstream Building on a Low-Rise Building. Materials Today: Proceedings, 2019, 16, 444-448.	1.8	0
84	Relationship between Fracture Toughness and Specimen Thickness for Quasi-isotropic Titanium/Epoxy Laminates. Materials Today: Proceedings, 2019, 16, 865-869.	1.8	0
85	An Integrated Approach in Selecting Best Supplier Selection Process in Supply Chain Management Using MAT LAB-A Review. Materials Today: Proceedings, 2019, 16, 1350-1356.	1.8	0
86	Optimization of Al-SiC-MW CNT metal composite by W-EDM using Taguchi method. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012033.	0.6	0
87	Development of Portable Facing Machine Tool for Machining of Tube Sheet and Shell of a Heat Exchanger. , 2011, , 65-68.		0