

Vijaya Ramnath B

List of Publications by Year in descending order

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papers

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1591
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical, Thermal and Wear Behavior of SiC Particle Strengthening of PMMA-Toughened Glass-Epoxy Hybrid Composite. Silicon, 2021, 13, 1925-1932.	3.3	17
2	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
3	A review on aluminium metal matrix composites. Materials Today: Proceedings, 2021, 46, 4341-4343.	1.8	11
4	Experimental investigation on stacking sequence of Kevlar and natural fibres/epoxy polymer composites. Polimeros, 2021, 31, .	0.7	4
5	Wear behaviour of foam and fiber based sandwich composite " A review. Materials Today: Proceedings, 2021, 46, 3919-3923.	1.8	1
6	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
7	Investigations of Flexural and Hardness Behaviour of Graphene Composites. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012004.	0.6	3
8	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
9	Mechanical and thermal properties of PVC and polyurethane foam hybrid composites. Materialpruefung/Materials Testing, 2020, 62, 544-552.	2.2	7
10	Review on Sandwich Composite and their Applications. Materials Today: Proceedings, 2019, 16, 859-864.	1.8	50
11	Wear analysis of Sintered Al-B4C Composite. Materials Today: Proceedings, 2019, 16, 481-487.	1.8	3
12	Wind Effects of an Upstream Building on a Low-Rise Building. Materials Today: Proceedings, 2019, 16, 444-448.	1.8	0
13	Relationship between Fracture Toughness and Specimen Thickness for Quasi-isotropic Titanium/Epoxy Laminates. Materials Today: Proceedings, 2019, 16, 865-869.	1.8	0
14	Implementation of Lean Manufacturing in Indian SMEs-A case study. Materials Today: Proceedings, 2019, 16, 1244-1250.	1.8	12
15	Mechanical behaviour of Natural and Glass fiber reinforced with polymer matrix composite. Materials Today: Proceedings, 2019, 16, 1297-1303.	1.8	8
16	Study on Mechanical and Metallurgical properties of Glass fibre Reinforced PMC Gear Materials. Materials Today: Proceedings, 2019, 16, 524-531.	1.8	2
17	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
18	A REVIEW ON SANDWICH COMPOSITES AND THEIR ADVANCEMENTS. Materials Today: Proceedings, 2019, 16, 1146-1151.	1.8	7

#	ARTICLE	IF	CITATIONS
19	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
20	Mechanical Characterization of Natural Fiber Polymer Composites. Materials Today: Proceedings, 2019, 16, 1006-1012.	1.8	11
21	Mechanical properties of boehmeria nivea reinforced polymer composite. Materials Today: Proceedings, 2019, 16, 883-888.	1.8	41
22	Experimental evaluation on Mechanical Properties of Natural Fiber Polymer Composites with Human Hair. Materials Today: Proceedings, 2019, 16, 1304-1311.	1.8	9
23	Investigation of Mechanical Behaviour of Basalt-Banana Hybrid Composites. Silicon, 2019, 11, 1939-1948.	3.3	16
24	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
25	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
26	Investigation on Mechanical and Thermal Properties of Stainless Steel Wire Mesh-Glass Fibre Reinforced Polymer Composite. Silicon, 2018, 10, 2643-2651.	3.3	23
27	Investigation of Tensile Behavior of Kevlar Composite. Materials Today: Proceedings, 2018, 5, 1156-1161.	1.8	19
28	Review on metal matrix composites for marine applications. Materials Today: Proceedings, 2018, 5, 1211-1218.	1.8	39
29	Design and fabrication of Impact Die for Powder Metallurgy. Materials Today: Proceedings, 2018, 5, 329-334.	1.8	2
30	Implementation of Reverse Engineering for Crankshaft Manufacturing Industry. Materials Today: Proceedings, 2018, 5, 994-999.	1.8	8
31	Review on mechanical properties of natural fiber composites.. Materials Today: Proceedings, 2018, 5, 1785-1790.	1.8	191
32	Review on Testing of Polymer Fasteners*. Materials Today: Proceedings, 2018, 5, 1817-1823.	1.8	1
33	Design and Development of Milling Fixture for Friction Stir Welding. Materials Today: Proceedings, 2018, 5, 1832-1838.	1.8	31
34	Sea Shells And Natural Fibres Composites: A Review. Materials Today: Proceedings, 2018, 5, 1846-1851.	1.8	44
35	Implementation of Concurrent Redesign & Manufacture procedure for an automotive component. Materials Today: Proceedings, 2018, 5, 1418-1424.	1.8	1
36	Studies on Mechanical Behaviour of Aluminium-Silicon Carbide-Copper Metal Matrix Composite. MATEC Web of Conferences, 2018, 166, 01001.	0.2	5

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37	Determination of Mechanical Behaviour of Fe-CNT MMC. Materials Today: Proceedings, 2018, 5, 1176-1185.	1.8	9
38	Investigation of Mechanical Properties of Aluminium 6061-Silicon Carbide, Boron Carbide Metal Matrix Composite. Silicon, 2018, 10, 495-502.	3.3	165
39	Sandwich and Natural fiber composites - A review. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012067.	0.6	1
40	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
41	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
42	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
43	Investigation of Mechanical properties of Aluminium reinforced Fly ash with CNT. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012032.	0.6	3
44	A Review On sandwich and Natural Fiber Composites. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012069.	0.6	0
45	Review on Natural Fiber Composites. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012062.	0.6	2
46	Effect of Fiber Orientation and Stacking Sequence on Mechanical and Thermal Characteristics of Banana-Kenaf Hybrid Epoxy Composite. Silicon, 2017, 9, 577-585.	3.3	62
47	Investigation of torsional behavior of polymer composite golf shaft. Materials Today: Proceedings, 2017, 4, 3342-3345.	1.8	0
48	Prediction of tensile behavior of polymer composite golf shaft. Materials Today: Proceedings, 2017, 4, 3356-3360.	1.8	0
49	Parametric analysis on Electro-chemical machining of SKD-12 tool steel. Materials Today: Proceedings, 2017, 4, 3760-3766.	1.8	11
50	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
51	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
52	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
53	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
54	Investigation of shear behaviour of polymer composite golf shaft. Materials Today: Proceedings, 2017, 4, 9218-9223.	1.8	1

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55	Investigation of flexural behaviour of polymer composite golf shaft. Materials Today: Proceedings, 2017, 4, 9341-9345.	1.8	1
56	Influence of organic corrosion inhibitors on pickling corrosion behaviour of sinter-forged C45 steel and 2% Cu alloyed C45 steel. Journal of Alloys and Compounds, 2017, 695, 3299-3309.	5.5	29
57	Experimental Investigation on Shear and Hardness of Abaca based Hybrid Composites. MATEC Web of Conferences, 2016, 74, 00039.	0.2	5
58	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
59	Investigation on mechanical behaviour of twisted natural fiber hybrid composite fabricated by vacuum assisted compression molding technique. Fibers and Polymers, 2016, 17, 80-87.	2.1	45
60	A grey-fuzzy modeling for evaluating surface roughness and material removal rate of coated end milling insert. Measurement: Journal of the International Measurement Confederation, 2016, 84, 68-82.	5.0	40
61	Experimental determination of mechanical properties of banana jute hybrid composite. Fibers and Polymers, 2015, 16, 164-172.	2.1	50
62	Analysis of Occupational Safety and Health of Workers by Implementing Ergonomic Based Kitting Assembly System. Procedia Engineering, 2014, 97, 1788-1797.	1.2	7
63	Parameter Optimization of Friction Stir Welding Of AA8011-6062 Using Mathematical Method. Procedia Engineering, 2014, 97, 775-782.	1.2	34
64	Investigation of Mechanical Behaviour of Glass Fibre Based SiC Polymer Composites. Applied Mechanics and Materials, 2014, 591, 142-145.	0.2	8
65	Value Stream Evaluation and Simulation to Improve Material Flow and Productivity. Applied Mechanics and Materials, 2014, 612, 89-95.	0.2	6
66	Investigation on Mechanical Properties of Nano Ferrous Composite. Procedia Engineering, 2014, 97, 513-521.	1.2	12
67	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
68	Evaluation of mechanical and thermal properties of banana-flax based natural fibre composite. Materials & Design, 2014, 60, 620-627.	5.1	207
69	Evaluation of mechanical properties of aluminium alloy-alumina-boron carbide metal matrix composites. Materials & Design, 2014, 58, 332-338.	5.1	238
70	Determination of mechanical properties of intra-layer abaca-jute-glass fiber reinforced composite. Materials & Design, 2014, 60, 643-652.	5.1	150
71	Experimental investigation of mechanical behavior of Jute-Flax based glass fiber reinforced composite. Fibers and Polymers, 2014, 15, 1251-1262.	2.1	76
72	Evaluation of mechanical properties of abaca-jute-glass fibre reinforced epoxy composite. Materials & Design, 2013, 51, 357-366.	5.1	250

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73	MCDM approach for selecting suitable solar tracking system. , 2013, , .		5
74	Development of Portable Facing Machine Tool for Machining of Tube Sheet and Shell of a Heat Exchanger. , 2011, , 65-68.		0
75	Design and Fabrication of 3D Syskevis Metrisis. Applied Mechanics and Materials, 0, 110-116, 4744-4747.	0.2	0
76	MCDM Model for Selection of Optimum Machining Process. Materials Science Forum, 0, 773-774, 348-354.	0.3	1
77	Properties and Performance Analysis of Woven Roving Composite Laminates for Automotive Panel Board Applications. Advanced Materials Research, 0, 683, 21-24.	0.3	13
78	Modelling and Analysis of Extrusion Die and Bolt Ejector Pin. Applied Mechanics and Materials, 0, 591, 137-141.	0.2	0
79	Investigation on Impact and Compression Properties of Pineapple Reinforced Polymer Composite. Applied Mechanics and Materials, 0, 591, 116-119.	0.2	5
80	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
81	A Review on CNT Reinforced Aluminium and Magnesium Matrix Composites. Applied Mechanics and Materials, 0, 591, 120-123.	0.2	23
82	Powered Two-Wheeler with Integrated Safety Using Recurdyn Multi-Body Dynamics. Applied Mechanics and Materials, 0, 591, 193-196.	0.2	1
83	A review on friction stir welding of aluminium metal matrix composites. IOP Conference Series: Materials Science and Engineering, 0, 390, 012103.	0.6	5
84	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
85	Hardness and impact behaviour of aluminium metal matrix composite. IOP Conference Series: Materials Science and Engineering, 0, 390, 012075.	0.6	12
86	Natural fibre composites-A Review. IOP Conference Series: Materials Science and Engineering, 0, 390, 012065.	0.6	7
87	Time Dependent Behaviour of PMMA-Toughened Siliconized SiC Strengthened Glass-Epoxy Composite. Silicon, 0, , 1.	3.3	1