

Ganesh Babu Loganathan

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,090
citations

687363

13
h-index

454955

30
g-index

55
all docs

55
docs citations

55
times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	A review: On path planning strategies for navigation of mobile robot. Defence Technology, 2019, 15, 582-606.	4.2	506
2	A study on mechanical properties of bamboo fiber reinforced polymer composite. Materials Today: Proceedings, 2020, 22, 897-903.	1.8	80
3	Investigation on the physical, mechanical and tribological properties of areca sheath fibers for brake pad applications. Materials Research Express, 2019, 6, 085109.	1.6	39
4	Material characterization and unconventional machining on synthesized Niobium metal matrix. Materials Research Express, 2020, 7, 015018.	1.6	35
5	Evaluation of mechanical behaviour of carbon fiber reinforced nanoclay filled IPN matrix composite. Materials Research Express, 2019, 6, 125311.	1.6	34
6	Influence of recycled basalt-aramid fibres integration on the mechanical and thermal properties of brake friction composites. Materials Research Express, 2019, 6, 115310.	1.6	24
7	Investigation of Caryota urens fibers on physical, chemical, mechanical and tribological properties for brake pad applications. Materials Research Express, 2020, 7, 015310.	1.6	24
8	Synergistic effect of red mud-iron sulfide particles on fade-recovery characteristics of non-asbestos organic brake friction composites. Materials Research Express, 0, , .	1.6	23
9	Review on performance assessment of phase change materials in buildings for thermal management through passive approach. Materials Today: Proceedings, 2020, 22, 419-431.	1.8	23
10	Influence of benzoyl chloride treatment on the tribological characteristics of Cyperus pangorei fibers based non-asbestos brake friction composites. Materials Research Express, 2020, 7, 015303.	1.6	23
11	Development of mechanical properties in banana fiber composite. Materials Today: Proceedings, 2020, 22, 541-545.	1.8	20
12	Study on tribological properties of palm kernel fiber for brake pad applications. Materials Research Express, 2020, 7, 015102.	1.6	17
13	Influence of water absorption on glass fibre reinforced IPN composite pipes. Polimeros, 2019, 29, .	0.7	17
14	A deep neural network learning-based speckle noise removal technique for enhancing the quality of synthetic aperture radar images. Concurrency Computation Practice and Experience, 2021, 33, e6239.	2.2	15
15	Performance analysis of concrete block integrated with PCM for thermal management. Materials Today: Proceedings, 2020, 22, 370-374.	1.8	14
16	Mechanical properties of polymer composites with ZnO nano-particle. Materials Today: Proceedings, 2020, 22, 531-534.	1.8	14
17	Investigation of mechanical behaviour on sponge/ridge gourd (Luffa aegyptiaca) natural fiber using epoxy and polyester resin. Materials Today: Proceedings, 2020, 22, 705-714.	1.8	13
18	Study on Microstructural Characteristics and Mechanical Behaviour of AISI1050 Steel under Various Heat Treatments. International Journal of Vehicle Structures and Systems, 2019, 11, .	0.2	13

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19	Experimental study and ignition fire risk mapping on friction stir welding parameters of dissimilar alloys for the benefits of environment. <i>Materials Today: Proceedings</i> , 2020, 22, 342-346.	1.8	12
20	Mechanical and tribological characteristics of ZrO ₂ reinforced Al2014 matrix composites produced via stir casting route. <i>Materials Research Express</i> , 2019, 6, 115542.	1.6	11
21	Optimization of Passenger Car Door Impact Beam using Quasi Static CAE Analysis. <i>International Journal of Vehicle Structures and Systems</i> , 2019, 11, .	0.2	11
22	Multi Response Optimization of Setting Process Variables in Face Milling of ZE41 Magnesium Alloy using Ranking Algorithms and ANOVA. <i>International Journal of Vehicle Structures and Systems</i> , 2019, 11, .	0.2	11
23	Investigation of shot peening process on stainless steel and its effects for tribological applications. <i>Materials Today: Proceedings</i> , 2020, 22, 580-584.	1.8	10
24	Computational investigation and design optimization of a duct augmented wind turbine (DAWT). <i>Materials Today: Proceedings</i> , 2020, 22, 1186-1191.	1.8	10
25	Root Cause Analysis for Failure of Door Lock Case Assembly during Caulking Process. <i>International Journal of Vehicle Structures and Systems</i> , 2019, 11, .	0.2	10
26	Numerical Evaluation and Influence of Product Quality and its defects Measures on the drawing of Stainless Steel Cross Member for Automobiles. <i>International Journal of Vehicle Structures and Systems</i> , 2019, 11, .	0.2	10
27	Multi Response Optimization on Machining Titanium Alloy Using Taguchi-DEAR Analysis in Abrasive Water Jet Cutting. , 0, , .		7
28	Compressive Behavior of Tamarind Shell Powder and Fine Granite Particles Reinforced Epoxy Matrix Based Hybrid Bio-Composites. <i>ECS Transactions</i> , 2022, 107, 7111-7118.	0.5	7
29	Intelligent classification technique for breast cancer classification using digital image processing approach. , 2019, , .		6
30	IKP based biometric authentication using artificial neural network. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	6
31	Fabrication and analysis of mechanical properties of PVC/Glass fiber/graphene nano composite pipes. <i>Materials Research Express</i> , 2020, 7, 115303.	1.6	5
32	Analysis of Product Quality through Mechanical Properties and Determining Optimal Process Parameters of Untreated and Heat Treated Aisi 1050 Alloy during Turning Operation. <i>Materials Science Forum</i> , 0, 969, 876-881.	0.3	4
33	Design and analysis of high gain Re Boost-Luo converter for high power DC application. <i>Materials Today: Proceedings</i> , 2020, 33, 13-22.	1.8	4
34	Investigation on Mechanical Properties of Chemically Treated Banana and Areca Fiber Reinforced Polypropylene Composites. <i>Springer Proceedings in Materials</i> , 2020, , 273-280.	0.3	4
35	Design and analysis of composite belt for high rise elevators. <i>Materials Today: Proceedings</i> , 2020, 22, 663-672.	1.8	3
36	Product detail and analysis of hydraulic quick releasing coupling. <i>Materials Today: Proceedings</i> , 2020, 22, 751-755.	1.8	3

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37	A comparative study of experimental and adaptive neuro fuzzy inference system based prediction model of machined AM60 magnesium alloy and its parameter effects. Materials Today: Proceedings, 2021, 45, 1055-1062.	1.8	3
38	Taguchi Based Vikor Method for Optimization of Cutting Parameters for Improving the Efficiency in Machining Process by Considering the Effect of Tool Nose Radius. , 0, , .		3
39	An Efficiency Study On Water Extraction From Air Using Thermophoresis Method. IOP Conference Series: Materials Science and Engineering, 2019, 574, 012003.	0.6	2
40	Hybrid algorithms for spectral noise removal in hyper spectral images. AIP Conference Proceedings, 2020, , .	0.4	2
41	Effects of Drilling Process Parameters Using ANOVA and Graphical Methods. Springer Proceedings in Materials, 2021, , 331-353.	0.3	2
42	Sparse Representation Based Despeckling of SAR Images using STDTCWT. SSRN Electronic Journal, 0, , .	0.4	2
43	Development of Superhydrophobic Nanocomposite Coatings on FRP Sheet Surface for Anti-Icing and Wear-Resistance Applications. SSRN Electronic Journal, 0, , .	0.4	2
44	Identification of End-User Economical Relationship Graph Using Lightweight Blockchain-Based BERT Model. Computational Intelligence and Neuroscience, 2022, 2022, 1-9.	1.7	2
45	Function of Taguchi Grey Relation Analysis for Influencing the Process Parameter for Getting Better Product Quality and Minimize the Industrial Pollution by Coolants in Turning of Ti-6Al-4V Alloy. , 0, , .		1
46	Improvement of Mechanical Properties, and Optimization of Process Parameters of AISI 1050 Spheroidized Annealed Steel by Ranking Algorithm. , 0, , .		1
47	Investigation of Setting Input Process Parameters for Getting Better Product Quality in Machining of AM60 Magnesium Alloy - TOPSIS and ANOVA Approach. , 0, , .		1
48	To Develop Multi-Object Detection and Recognition Using Improved GP-FRCNN Method. , 2022, , .		1
49	Performance Evaluation of Yield Function and Comparison of Yielding Characteristics of SS 304 in Annealed and Unannealed Conditions. Materials Science Forum, 0, 969, 637-643.	0.3	0
50	Experimental Study on Verification of Alloy ASTM A510 High-Speed Micro Turning by Parameters Validation through Ranking Algorithm. , 0, , .		0
51	Development and Influence of Setting Process Variables in Single Point Incremental Sheet Metal Forming of AA 8011 Using Complex Proportional Assessment and ANOVA. , 0, , .		0
52	A Study on Mechanical Properties and Multi Response Optimization of Process Parameters for Showing Signs of Improvement Product Quality in Drilling AISi7Cu4 Utilizing GRA in Taguchi Method. , 0, , .		0
53	Optimization of Machining Process Parameters for Minimizing the Waste Stream Response through Multi-Objective Optimization. , 0, , .		0
54	AGRIBOT: Energetic Agricultural Field Monitoring Robot Based on IoT Enabled Artificial Intelligence Logic. Communications in Computer and Information Science, 2022, , 16-30.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Identification of chromatographical characteristics of complicated biological feeds. Materials Today: Proceedings, 2022, , .	1.8	0