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List of Publication

1. Experimental Investigation on the Influence of Tool Geometry in Minimum Chip Thickness of Microendmilling Using Cutting Force Analysis M Prakash, M Kanthababu, AAJ Kumar, VP Venkadesan Trends in Manufacturing and Engineering Management, 567-581 2021
2. Investigation on the mechanical and ageing properties of acrylic rubber reinforced halloysite nanotubes/carbon black hybrid composites K Senthilvel, N Rathinam, B Prabu, AAJ Kumar Journal of Elastomers & Plastics, 0095244320961826 2020
3. Application of FGC Blocks for Sustainable Infrastructure Development MSG Kumar, M Balasubramanian, AAJ Kumar IOP Conference Series: Materials Science and Engineering 912 (6), 062057 2020
4. Identification of tool wear status and correlation of chip morphology in micro-end milling of mild steel (SAE 1017) using acoustic emission signal M Prakash, M Kanthababu, AAJ Kumar, N Arun, VP Venkadesan IOP Conference Series: Materials Science and Engineering 912 (3), 032066 2020
5. Performance Characteristics of Electrochemical Micromachining on Pure Titanium using coated tool electrode T Geethapiriyam, AAJ Kumar, ACA Raj, G Kumarasamy, JS John IOP Conference Series: Materials Science and Engineering 912 (3), 032039 2020
6. EXPERIMENTAL STUDIES ON REPLACEMENT OF STEEL STIRRUPS BY SISAL FIBER REINFORCED POLYMERS SDK Raju, M Balasubramanian, AAJ Kumar IOP Conference Series: Materials Science and Engineering 912 (6), 062058 2020
7. Mechanical and morphological characterization of basalt/Cissus quadrangularis hybrid fiber reinforced polylactic acid composites AAJ Kumar, M Prakash Proceedings of the Institution of Mechanical Engineers, Part C: Journal of ... 2 2020
8. Experimental and numerical investigation of 2 K heat exchanger for superfluid helium cryogenic systems at KEK A Kumar, H Nakai, K Nakanishi, H Shimizu, Y Kojima, K Hara, T Honma IOP Conference Series: Materials Science and Engineering 755 (1), 012061 2020

9. Thermal Characterization of Flax/Basalt Fiber Reinforced Phenol Resin Brake Pad Material: Effective Replacement of Asbestos I Ashok Kumar, AA Jeya Kumar, M Prakash Journal of Natural Fibers, 1-11 1 2019
10. Thermal properties of basalt/Cissus quadrangularis hybrid fiber reinforced polylactic acid biomedical composites AAJ Kumar, M Prakash Journal of Thermal Analysis and Calorimetry, 1-9 2 2019
11. The effect of the number of passes in friction stir processing of aluminum alloy (AA6082) and its failure analysis R Senthilkumar, M Prakash, N Arun, AA Jeyakumar Applied Surface Science 491, 420-431 14 2019
12. Performance analysis for 2K heat exchanger for superfluid cryogenic system at KEK A Kumar, H Nakai, K Nakanishi, H Shimizu, Y Kojima, K Hara, T Honma IOP Conference Series: Materials Science and Engineering 502 (1), 012051 3 2019
13. Mechanical characterization of polylactic acid reinforced bagasse/basalt hybrid fiber composites FL King, A Arul Jeya Kumar, S Vijayaraghavan Journal of Composite Materials 53 (1), 33-43 7 2019
14. Transaction terminal and system for obtaining third-party locaton based services and method thereof H Dudhmahl, M Prakash, A Kumar US Patent App. 15/972,542 2018
15. Wear Behavior of Chitosan-Filled Polylactic Acid/Basalt Fiber Hybrid Composites A Arul Jeya Kumar, V Srinivasan Advances in Polymer Technology 37 (3), 898-905 6 2018
16. Investigation of mechanical behaviour on bagasse/basalt reinforced poly lactic acid hybrid composites: tensile, flexural, impact and water absorption M King, AA Jeyakumar, V Srinivasan Journal of Advanced Microscopy Research 13 (1), 85-91 3 2018
17. Wear study on basalt, flax and hybrid fiber reinforced phenolic composites IA Kumar, A Kumar, V Srinivasan, NM Raffi Journal of Advanced Microscopy Research 13 (1), 65-71 1 2018
18. Investigation of Thermal Properties on Bagasse/Basalt Fiber Reinforced Poly Lactic Acid Hybrid Composites M King, AA Jeyakumar, V Srinivasan Journal of Advanced Microscopy Research 13 (1), 92-100 1 2018
19. Mechanical Characteristics of Chitosan Dispersed Poly Lactic Acid/Basalt Fiber Hybrid Composites A Kumar, IA Kumar, V Srinivasan, NM Raffi Journal of Advanced Microscopy Research 13 (1), 54-60 2018
20. ASSOCIATION BETWEEN MATRIX METTALOPROTEINASE-3 GENE POLYMORPHISM AND RISK OF ISCHEMIC STROKE: A META-ANALYSIS A Rani, K Prasad, A Kumar INTERNATIONAL JOURNAL OF STROKE 11 (SUPP 3), 114-114 2016

21. Thermal characteristics of chitosan dispersed poly lactic acid/basalt hybrid composites A Arul Jeya Kumar, V Srinivasan Materials Express 6 (4), 337-343 8 2016
22. Mechanical and thermal properties of chitosan filled poly lactic acid/basalt fiber hybrid composites A Kumar, V Srinivasan Journal of Advanced Microscopy Research 11 (1), 23-30 1 2016
23. Thermal characteristics of Chitosan dispersed poly lactic acid/basalt hybrid composites. AJ Kumar Materials Express 6, 337-343 10* 2016