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Publication details:

1. G Rajamurugan, AP Sanjay, P Krishnasamy, B Muralidharan, S Jain, "Drilling and mechanical performance analysis on flax-sisal hybrid composite embedded with perforated aluminum foil", Journal of Reinforced Plastics and Composites 39 (23-24), 2020, pp.902-917.
2. M Arulmurugan, AS Selvakumar, K Prabu, G Rajamurugan, "Effect of barium sulphate on mechanical, DMA and thermal behaviour of woven aloevera/flax hybrid composites", Bulletin of Materials Science 43 (1), 2020, pp.58.
3. G Rajamurugan, S Suresh, P Krishnasamy, "Influence of local post-weld heat treatment and its thermal analysis on thick wall carbon steel pipe", Materials Today: Proceedings, 2020.
4. P Krishnasamy, G Rajamurugan, S Aravindraj, PE Sudhagar, "Vibration and Wear Characteristics of Aloe vera/Flax/Hemp Woven Fiber Epoxy Composite Reinforced with Wire Mesh and BaSO₄", Journal of Natural Fibers, 2020, pp.1-17.
5. P Sangaravadivel, G Rajamurugan, P Krishnasamy, "Significance of tungsten disulfide on the mechanical and machining characteristics of phosphor bronze metal matrix composite", Advanced Composites Letters 29, 2020.
6. S Sivachidambaram, G Rajamurugan, D Amirtharaj, "Results on Optimizing the Parameters for Friction Stir Welding of Dissimilar Aluminium Alloys", Recent Developments in Engineering Research 7, 2020, pp.35-42.
7. D Amirtharaj, G Rajamurugan, S Sivachidambaram, D Dinesh, "Emphasizing the Effects of Tool Geometry on Surface Modification of Aluminium 6063 by Friction Stir Processing", Recent Developments in Engineering Research 7, 2020, pp.28-34.
8. P Krishnasamy, G Rajamurugan, M Thirumurugan, "Performance of fiber metal laminate composites embedded with AL and CU wire mesh", Journal of Industrial Textiles, 2020.
9. P Subramabi, S Shetty, KUAN Ali, M Sathishkumar, G Rajamurugan, "Effect of Frequency on Microstructural and Corrosion Demeanour of Alloy C-276 Weldment", Materials Today: Proceedings 22, 2020, pp.3279-3285.
10. K Prabu, G Rajamurugan, P Ponnusamy, "Comparative analysis of particle size on the mechanical and metallurgical characteristics of Al₂O₃-reinforced sintered and extruded AA2014 nano-hybrid composite", Journal of Composite Materials 53 (28-30), 2019, pp.4369-4384.
11. K Prabu, G Rajamurugan, "Dynamic mechanical characteristics of jute fiber and 304 wire mesh reinforced epoxy composite", Journal of Industrial Textiles, 2019, pp.1-19.
12. A Singh, G Rajamurugan, P Krishnasamy, D Dhanabalan, "Surface Modification of Aluminium Alloy 5083 Reinforced with Cr₂O₃/TiO₂ by Friction Stir Process", SAE Technical Paper, 2019.

13. S Jaiswal, G Rajamurugan, P Krishnasamy, Y Shaswat, M Kaushik, "Mechanical and Corrosion Behaviour of Al 7075 Composite Reinforced with TiC and Al₂O₃ Particles", SAE Technical Paper, 2019.
14. S Chaudhary, P Krishnasamy, R Kothari, G Rajamurugan, "Aerodynamic Analysis on under Body Drag and Vehicle Performance of Active Front Spoiler for High CG Vehicles", SAE Technical Paper, 2019.
15. A Ramakrishnan, G Rajamurugan, P Krishnasamy, "Emission and Tribological Studies on Nano CuO/Jatropha Methyl Ester/Synthetic Mineral Oil in a Two-Stroke Engine", SAE Technical Paper, 2019.
16. G Rajamurugan, S Deepankumar, A Ramakrishnan, P Krishnasamy, "Corrosion Characteristics on Friction Stir Welding of Dissimilar AA2014/AA6061 Alloy for Automobile Application", SAE Technical Paper, 2019.
17. A Porwal, A Tripathi, P Krishnasamy, G Rajamurugan, "Frontal Crash Worthiness Performance of 3D Printed Structures Using Meta-material Embedded in Crash Box", SAE Technical Papers, 2019.
18. D Dinesh, A Megalingam, G Rajamurugan, M Arundee, A Tajdeen, "Evaluation of microstructure and tribological characterization of friction stir processed Al 6063/B4C+SiO₂ composites", AIP Conference Proceedings, 2019.
19. M Arulmurugan, K Prabu, G Rajamurugan, AS Selvakumar, "Viscoelastic behavior of aloevera/hemp/flax sandwich laminate composite reinforced with BaSO₄: Dynamic mechanical analysis", Journal of Industrial Textiles, 2019.
20. M Arulmurugan, K Prabu, G Rajamurugan, AS Selvakumar, "Impact of BaSO₄ filler on woven aloevera/hemp hybrid composite: Dynamic mechanical analysis", Materials Research Express 6 (4), 2019, pp.045309.
21. B Suresha, G Rajamurugan, A Megalingam, "Mechanical and abrasive wear behavior of cenosphere filled carbon reinforced epoxy composites using Taguchi-Grey relational analysis", Materials Research Express 6 (1), 2018, pp.015307.
22. R. Megavarnan, G. Rajamurugan, R. Shanmuga Prakash, "Comparative Study on Mechanical Properties of GMA Welded IRSM41 Mild Steel Plate Based on Grain Flow Direction", Applied mechanics and materials 854, 2017, pp.38-44.
23. G Rajamurugan, P Mahendiran, "Experimental Investigation of Parameters and its Effect on IGC Attack in Ferritic Stainless Steel 430 Weldments", Applied Mechanics and Materials 854, 2017, pp.10-17.
24. G. Rajamurugan, P. K. Ghosh, "Metallurgical Characteristics on PGMA Welding of Dissimilar 304 Austenitic Stainless Steel and HSLA Steel", Asian Journal of Research in Social Sciences and Humanities 6 (Special Issue), 2016, pp. 277-288.
25. G. Rajamurugan, P. K. Ghosh, "Isotherm Study on Pulse Current GMA welding of Dissimilar Austenitic Stainless Steel and HSLA Steel", Asian Journal of Research in Social Sciences and Humanities 6 (Special Issue), 2016, pp. 267-276.