

Publication List(2015-2020)

1. Sudha J, Harish Kumar Padmakumar, Ranjani R, Sheela Ramani G, Naviyarasan M, "Comparative Study of Impact Properties of Coir & Aloe Vera Based Composites With GFRP", International Journal of Applied Engineering Research, published by Research India Publications. Vol. 10, Issue 8, pp. 20517-20528 (2015).
2. J.Sudha , S.Sampathkumar, "Study of the influence of cutting condition and delamination on AE parameters during drilling of GFRP composites", Insight, published by British Institute of Non-Destructive Testing. Vol. 57, Issue 11, pp. 620-625 (2015).
3. Senthilkumar, N., Sudha, J. , Muthukumar, V., "A grey-fuzzy approach for optimizing machining parameters and the approach angle in turning AISI 1045 steel", Advances in Production Engineering & Management, published by Production Engineering Institute, European Union. Vol. 10, Issue 4, pp. 195-208 (2015).
4. AA Misochenko, JV Tilak, J Sudha, KA Padmanabhan, V Stolyarov, "Microstructure Evolution and Mechanical Behavior in Coarse Grained and Nanostructured Shape Memory TiNi Alloy: A Comparative Study", 13th International Conference on Superplasticity in Advanced Materials ICSAM, pp. 92_1-92_1 (2018).
5. S Selvaraju, S Senthamarai Kannan, S Jayaprakasham, AR Madiq, "Effect of Process Parameters on Microstructure and Mechanical Properties of Friction Stir Welded Cast Nickel Aluminum Bronze Alloy (C95800)", Materials Research, Vol. 21, Issue 3, pp. <http://dx.doi.org/10.1590/1980-5373-mr-2017-0603> (2018).
6. Sudha J , Sampathkumar S, "Experimental Study of Delamination in GFRP during Drilling using Single AE Sensor", Journal of Advanced Engineering Research, Vol. 5, Issue 2, pp. 62-65 (2018).
7. A Misochenko, T Kumar, J Vijaya, S Jayaprakasam, KA Padmanabhan,, "Microstructure Evolution and Mechanical Behavior in Shape Memory Nanostructured TiNi Alloy", Defect and Diffusion Forum, Vol. 385, pp. 169-174 (2018).
8. J.V.Tilak Kumar, Sudha Jayaprakasam, K.A.Padmanabhan,A.A.Misochenko,V.V.Stolyarov, "On the tensile behaviour of coarse and ultrafine grained NiTi ", Materials Characterization, published by Elsevier. Vol. 149, pp. 41-51 (2019).
9. S Siva, S Sampathkumar, J Sudha, "Microstructure and Mechanical Properties of Exothermic-Reaction-Assisted Friction-Stir-Welded Nickel-Aluminum Bronze Alloy", Journal of Materials Engineering and Performance, published by Springer US. Vol. 28, pp. 2256-2270 (2019).
10. S Siva, S Sampathkumar, J Sudha, S Tamilprabakaran, "Optimization and characterization of friction stir welded NAB alloy using multi criteria decision making

approach", Materials Research Express, published by IOP Publishing. Vol. 6, Issue 8, pp. 33-45 (2019).

11. J.V.TilakKumar, J.Sudha, K.A.PadmanabhanA.V.FrolovaV.V.Stolyaro, "Influence of strain rate and strain at temperature on TRIP effect in a metastable austenitic stainless steel ", Materials Science and Engineering: A , published by Elseveir. Vol. 777, pp. 139046 (2020).