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Area of Specialization: Friction composites, Tribology, Optimization techniques

Journal publication Details:

h-index : 11
i10-index: 13

International Journal Publications: (For the last five years)

1. Tribological Performance of Brass Powder with Different Copper and Zinc Content in the Brake pad, Tribology in Industry 42 (No 2, 2020), 177-190 (Scopus Indexed)
2. Comparative study of disc brake pads sold in Indian market – Impact on safety and environmental aspects, Environmental Technology & Innovation, Available online 13 November 2020, doi.org/10.1016/j.eti.2020.101245, (I.F 3.356)
3. Tribological performance of graphene/graphite filled phenolic composites - A comparative study, Composite Communications, Vol.15, 34-39, 2019 (I.F 4.915)
4. Monitoring of drill runout using Least Square Support Vector Machine classifier, Measurement, Vol 146, pp 24-34, 2019, (I.F 3.364)
5. A Comprehensive Physical, Chemical and Morphological Characterization of Novel Cellulosic Fiber Extracted from the Stem of

Elettaria Cardamomum Plant, Journal of Natural Fibers, pp 1-12, 2019, (I.F 2.622)

6. Tribological performance evaluation of epoxy modified phenolic FC reinforced with chemically modified Prosopis juliflora bark fiber, Materials Research Express, Vol 6, Issue No.7, 2019, (I.F 1.929)
7. Effect of silane surface treatment on the physico-mechanical properties of shell powder reinforced epoxy modified phenolic friction composite, Materials Research Express,Vol 6, Issue 6, 2019, (I.F 1.929)
8. Characterization of alkaline treated Areva Javanica fiber and its tribological performance in phenolic friction composites, Materials Research Express,Vol 6, Issue 11, 2019, (I.F 1.929)
9. Tribological performance evaluation of newly synthesized silane treated shell powders in friction composites, Materials Research Express,Vol 6, Issue 6, 2019, (I.F 1.929)
10. The dual role of metal sulfides as lubricant and abrasive: an interface study in friction composite, Materials Research Express,Vol 6, Issue 4, 2019, (I.F 1.929)
11. Development of an Automated and Dedicated Measuring System of Tube Dimensions Using 1d and 2d Laser Displacement Sensors, FME Transactions, Vol 47, Issue 1, pp 122-128, 2019 (Scopus Indexed)
12. Prediction and Geometric Adaptive Control of Surface Roughness in Drilling Process, FME Transactions, Vol 47, Issue 3, pp 424-429, 2019 (Scopus Indexed)
13. Effect of Steel Family Fibers on Friction and Stiction Behavior of Brake Pads, FME Transactions, Vol 47, Issue 4, pp 856-864, 2019 (Scopus Indexed)
14. Tribo Performance of Brake Friction Composite with Stainless Steel Fiber, Lecture notes in Mechanical engineering, pp. 159-169,2019, (Scopus Indexed)

15. Strain Analysis of AA6063 Aluminum Alloy by Tube Hydroforming Process, Lecture notes in Mechanical engineering, pp. 13-21,2019, (Scopus Indexed)
16. The Hybrid Effect of Jute/Kenaf/E-Glass Woven Fabric Epoxy Composites for Medium Load Applications: Impact, Inter-Laminar Strength, and Failure Surface Characterization, Journal of Natural Fibers, DOI: 10.1080/15440478.2018.143182, January 2018, (I.F 2.622)
17. Characterization of Areva javanica fiber – A possible replacement for synthetic acrylic fiber in the disc brake pad. Journal of Industrial Textiles, 152808371877944. doi:10.1177/1528083718779446 (2018) (I.F 2.010)
18. Influence of Binder on Thermomechanical and Tribological Performance in Brake Pad, Tribology in Industry Vol.40, Issue 4, pp.654-669, 2018 (Scopus Indexed)
19. Effect of chemical treatment and fiber loading on physico-mechanical properties of Prosopis juliflora fiber reinforced hybrid friction composite, Materials Research Express,Vol 6, Issue 3, 2018, (I.F 1.929)
20. Correlation of field and experimental test data of wear in heavy commercial vehicle brake liners, Friction, March 2017, Volume 5, Issue 1, pp 56–65.(I.F 5.290)