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Area of Interest : Composite Materials

Journal Publications Details

1. Viscoelastic and mechanical behaviour of reduced graphene oxide and zirconium dioxide filled jute/epoxy composites at different temperature conditions, PA Prasob, M Sasikumar, Materials Today Communications 19, 252-261,2019
2. Static and dynamic behavior of jute/epoxy composites with ZnO and TiO₂ fillers at different temperature conditions, PA Prasob, M Sasikumar, Polymer Testing 69, 52-62, 2018
3. Nanoparticles-coated glass fibre-based damage localisation and monitoring system for polymer composites.MV M. Sasikumar, R.Balaji, Structural Health Monitoring, 2018
4. A Comparative Evaluation of Mechanical and Ablative Properties of Ceramic/Phenolic Composites filled with different fillers, M Sasikumar, R

Balaji,2018

5. Graphene based strain and damage prediction system for polymer composites, R Balaji, M Sasikumar, Composites Part A: Applied Science and Manufacturing 103, 48-59,2017
6. Development of strain and damage monitoring system for polymer composites with embedded nickel alloys, R Balaji, M Sasikumar, Measurement 111, 307-315 9,2017
7. A nanometallic nickel-coated, glass-fibre-based structural health monitoring system for polymer composites, R Balaji, M Sasikumar, Smart Materials and Structures 26 (9), 095014, 2017
8. Graphene based strain and damage prediction system for polymer composites Part A Applied science and manufacturing, R Balaji, M Sasikumar, 2017
9. Characterisation of Hollow Glass Fibre Reinforced Vinyl-Ester Composites, R Balaji, M Sasikumar, S Jeyanthi, Indian Journal of Science and Technology 9 (48), 2016
10. Structural health monitoring (SHM) system for polymer composites: a review, R Balaji, M Sasikumar, Indian J. Sci. Technol 9, 41 9, 2016
11. Impact behaviour of PMC reinforced with fibers under sub zero temperature: a review, PA Prasob, M Sasikumar, PT Selvan, Indian Journal of Science and Technology 9 (33), 1-10 2, 2016
12. Mechanical, ablative, and thermal properties of cenosphere-filled ceramic/phenolic composites, B Ravichandran, M Sasikumar, Polymer Composites 37 (6), 1906-1913, 2016
13. Thermal, Thermo oxidative and Ablative behavior of cenosphere filled ceramic/phenolic composites, R Balaji, M Sasikumar, A Elayaperumal, Polymer Degradation and Stability 114, 125-132