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Publication Details

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List of last 5 years publications:

1. Shankar, S., and P. Krishna Kumar. "Frictional characteristics of diamond like carbon and tungsten carbide/carbon coated high carbon high chromium steel against carbon in dry sliding conformal contact for mechanical seals." *Mechanics & Industry* 18.1 (2017): 115 (1-7). (IF – 0.477)
2. Shankar, S., and P. Krishna Kumar. "Frictional characteristics of PVD coated mechanical seals against carbon under various classes of liquid lubricants." *Industrial Lubrication and Tribology* 68.5 (2016): 597-602. (IF – 0.401)
3. Shankar, S., and K. A. Arjun. "Effect of Strain Hardening during Unloading for an Elastic-Plastic Hemisphere in Contact with a Rigid Flat." *Mechanics of Advanced Materials and Structures* 21.2 (2014): 139-144.(IF – 0.701)
4. Shankar, S., G. Praveenkumar and P. Krishna Kumar. "Experimental study on frictional characteristics of tungsten carbide versus carbon as mechanical seals under dry and eco-friendly lubrications." *International Journal of Refractory Metals and Hard Materials* 54 (2016): 39 – 45. (IF – 1.989)
5. Shankar, S., G. Praveenkumar and P. Krishna Kumar. "Frictional study of alumina, 316 stainless steel, phosphor bronze Vs carbon as mechanical seals under dry sliding conformal contact." *Proceedings of the Institution of Mechanical Engineers Part J: Journal of Engineering Tribology* 229.11 (2015): 1292-1299. (IF – 0.916)
6. Saravanan, S. D., M. Senthilkumar, and S. Shankar. "Dry Sliding Wear and Friction Behavior of Aluminum-Rice Husk Ash Composite using Taguchi's Technique." *Journal of Composite Materials* 49.8 (2015): 2241-2250. (IF – 1.173)
7. S.Shankar, S.K. Thangarasu, S. K., T.Mohanraj and D.S.Pravien. "Prediction of Cutting Force in Turning Process: An Experimental and Fuzzy Approach." *Journal of Intelligent and Fuzzy Systems* 28.4 (2015): 1785- 1793. (IF – 0.936)
8. Shankar, S., S. Kavinprasad, and M. Karthic, "Experimental and CFD investigations of carbon/SS316 mechanical face seals under different lubricating conditions." *Industrial Lubrication and Tribology* 67.2 (2015): 124-132. (IF – 0.402)
9. Shankar, S., P. Loganathan and Johnney Mertens, "Analysis of Pile-up/Sink-in during spherical indentation for various strain hardening levels." *Structural Engineering & Mechanics* 53.3 (2015): 429-442. (IF – 0.795)