M S Charoo

List of Publications by Year
in descending order

17 papers	240 citations	1307594 7 h-index	1058476 14 g-index
17 all docs	17 docs citations	17 times ranked	220 citing authors

#	Article	IF	Citations
1	Rheological characteristics of coconut grease with graphene nanoplatelets. Biomass Conversion and Biorefinery, 2023, 13, 10799-10806.	4.6	3
2	Optimization of Fretting Wear Parameters and Effect of High Temperature on Fretting Wear Behavior of Al6061 Alloy and Al6061-SiC Composite. Silicon, 2022, 14, 3949-3961.	3.3	8
3	Tribological behavior of hybrid aluminum self-lubricating composites under dry sliding conditions at elevated temperature. Tribology - Materials, Surfaces and Interfaces, 2022, 16, 153-167.	1.4	7
4	An experimental study on the effect of concentration of green nanoadditives on the tribological properties of the biolubricants. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 3755-3771.	2.1	3
5	A Comparative Analysis of Corrosion Performance of Piston Alloy and Its Composite in Marine, Mining and Basic Environments. Journal of Bio- and Tribo-Corrosion, 2022, 8, 1.	2.6	1
6	An overall review on the tribological, thermal and rheological properties of nanolubricants. Tribology - Materials, Surfaces and Interfaces, 2021, 15, 20-54.	1.4	30
7	Avocado oil mixed with an antiwear additive as a potential lubricant â€“ Measurement of antiwear and extreme pressure properties. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 2087-2098.	2.1	7
8	Tribological behavior of aluminum silicon eutectic alloy based composites under dry and wet sliding for variable load and sliding distance. SN Applied Sciences, 2020, 2, 1.	2.9	6
9	Improving the tribological characteristics of a lubricating oil by nano sized additives. Materials Today: Proceedings, 2020, 28, 1205-1209.	1.8	9
10	Experimental study on rheological properties of vegetable oils mixed with titanium dioxide nanoparticles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	14
11	A Review on Tribological Characterization of Lubricants with Nano Additives for Automotive Applications. Tribology in Industry, 2018, 40, 594-623.	1.1	40
12	Tribological properties of h-BN nanoparticles as lubricant additive on cylinder liner and piston ring. Lubrication Science, 2017, 29, 241-254.	2.1	66
13	Friction and wear properties of nano-Si3N4/nano-SiC composite under nanolubricated conditions. Journal of Advanced Ceramics, 2016, 5, 145-152.	17.4	14
14	Structural, optical and photocatalytic properties of zinc aluminate spinel nanoparticles. Materials Technology, 2015, 30, 168-176.	3.0	13
15	Effect of h-BN nanoparticles on the tribological and rheological properties of API-Group I Oils. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-17.	2.3	10
16	Tribological Characterization of Iron-Based Self-Lubricating Composite under Dry Sliding Conditions. Journal of the Institution of Engineers (India): Series D, 0, , 1.	1.0	3
17	Formulation and rheology of bio-grease mixed with h-BN nanoparticles. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-13.	2.3	6