

M S Charoo

List of Publications by Year in descending order

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Version: 2024-02-01

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