

Ajay Chouhan

List of Publications by Year in descending order

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11
papers

325
citations

1040056

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1281871

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11
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemically functionalized 2D/2D hexagonal boron Nitride/Molybdenum disulfide heterostructure for enhancement of lubrication properties. Applied Surface Science, 2022, 579, 152157.	6.1	20
2	Surface Functionalization of WS ₂ Nanosheets with Alkyl Chains for Enhancement of Dispersion Stability and Tribological Properties. ACS Applied Materials & Interfaces, 2022, 14, 1334-1346.	8.0	10
3	Mechano-adaptive thin film of graphene-based polymeric nanocomposite for enhancement of lubrication properties. Applied Surface Science, 2021, 538, 148041.	6.1	16
4	Reinforcing the Near Eutectic Aluminum-Silicon Alloy with Graphene: An Approach toward Self-Lubricating Composite. Advanced Engineering Materials, 2021, 23, 2000910.	3.5	6
5	Alkali-Assisted Hydrothermal Exfoliation and Surfactant-Driven Functionalization of h-BN Nanosheets for Lubrication Enhancement. ACS Applied Nano Materials, 2021, 4, 9143-9154.	5.0	14
6	Synergistic lubrication performance by incommensurately stacked ZnO-decorated reduced graphene oxide/MoS ₂ heterostructure. Journal of Colloid and Interface Science, 2020, 580, 730-739.	9.4	38
7	Surface chemistry of graphene and graphene oxide: A versatile route for their dispersion and tribological applications. Advances in Colloid and Interface Science, 2020, 283, 102215.	14.7	76
8	Graphene-Based Aqueous Lubricants: Dispersion Stability to the Enhancement of Tribological Properties. ACS Applied Materials & Interfaces, 2020, 12, 51785-51796.	8.0	41
9	Structural-Defect-Mediated Grafting of Alkylamine on Few-Layer MoS ₂ and Its Potential for Enhancement of Tribological Properties. ACS Applied Materials & Interfaces, 2020, 12, 30720-30730.	8.0	30
10	Effect of Graphene-Based Nanoadditives on the Tribological and Rheological Performance of Paraffin Grease. Journal of Materials Engineering and Performance, 2020, 29, 2235-2247.	2.5	15
11	Chemically functionalized graphene for lubricant applications: Microscopic and spectroscopic studies of contact interfaces to probe the role of graphene for enhanced tribo-performance. Journal of Colloid and Interface Science, 2018, 513, 666-676.	9.4	59