

Resham Rana

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Inducing High-Energy-Barrier Tribochemical Reaction Pathways; Acetic Acid Decomposition on Copper. Tribology Letters, 2021, 69, 1.	2.6	17
2	Surface chemistry at the solid–solid interface: mechanically induced reaction pathways of C ₈ carboxylic acid monolayers on copper. Physical Chemistry Chemical Physics, 2021, 23, 17803-17812.	2.8	13
3	Insights into the Mechanism of the Mechanochemical Formation of Metastable Phases. ACS Applied Materials & Interfaces, 2021, 13, 6785-6794.	8.0	11
4	Influence of the terminal group on the thermal decomposition reactions of carboxylic acids on copper: nature of the carbonaceous film. Physical Chemistry Chemical Physics, 2021, 23, 17663-17671.	2.8	9
5	Structure and reaction pathways of octanoic acid on copper. Surface Science, 2021, 711, 121875.	1.9	8
6	Adsorption and reaction pathways of 7-octenoic acid on copper. Physical Chemistry Chemical Physics, 2021, 23, 5834-5844.	2.8	8
7	Tribochemical Mechanisms of Trimethyl and Triethyl Phosphite on Oxidized Iron in Ultrahigh Vacuum. Tribology Letters, 2019, 67, 1.	2.6	7
8	Influence of the Nature and Orientation of the Terminal Group on the Tribochemical Reaction Rates of Carboxylic Acid Monolayers on Copper. Tribology Letters, 2022, 70, 1.	2.6	7
9	Anisotropy of Shear-Induced Mechanochemical Reaction Rates of Surface Adsorbates; Implications for Theoretical Models. Journal of Physical Chemistry C, 2022, 126, 11585-11593.	3.1	5
10	Surface Chemistry at the Solid–Solid Interface; Selectivity and Activity in Mechanochemical Reactions on Surfaces. Chemistry Methods, 2021, 1, 340-349.	3.8	1
11	Adsorption and Reaction of Trimethyl and Triethyl Phosphite on Fe ₃ O ₄ by Density Functional Theory. Tribology Letters, 2020, 68, 1.	2.6	0