

Junhui Sun

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

202
citations

1163065

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1281846

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docs citations

13
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Superlubricity Enabled by Pressure-Induced Friction Collapse. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2554-2559.	4.6	79
2	Attraction induced frictionless sliding of rare gas monolayer on metallic surfaces: an efficient strategy for superlubricity. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11026-11031.	2.8	18
3	Ultra-low friction and patterning on atomically thin MoS ₂ via electronic tight-binding. <i>Nanoscale</i> , 2021, 13, 16860-16871.	5.6	15
4	How Vertical Compression Triggers Lateral Interlayer Slide for Metallic Molybdenum Disulfide?. <i>Tribology Letters</i> , 2018, 66, 1.	2.6	13
5	Mutual Identification between the Pressure-Induced Superlubricity and the Image Contrast Inversion of Carbon Nanostructures from AFM Technology. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1498-1504.	4.6	13
6	Thermodynamics and kinetics of an oxygen adatom on pristine and functionalized graphene: insight gained into their anticorrosion properties. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12121-12129.	2.8	11
7	Strain Effects of Vertical Separation and Horizontal Sliding in Commensurate Two-Dimensional Homojunctions. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5815-5822.	4.6	11
8	Inverse Relationship between Thickness and Wear of Fluorinated Graphene: "Thinner Is Better". <i>Nano Letters</i> , 0, , .	9.1	10
9	Superlubricity Enabled by Load-Driven Redistribution of Electrons. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	9
10	Role of Interfacial Bonding in Tribochemical Wear. <i>Frontiers in Chemistry</i> , 2022, 10, 852371.	3.6	9
11	Friction-Load Relationship in the Adhesive Regime Revealing Potential Incapability of AFM Investigations. <i>Tribology Letters</i> , 2020, 68, 1.	2.6	8
12	Universal Principle for Large-Scale Production of a High-Quality Two-Dimensional Monolayer via Positive Charge-Driven Exfoliation. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6597-6603.	4.6	6
13	Mechanical Properties of Graphene Oxide Doped Woven Carbon Fibers/Epoxy Composites in Tension. <i>Polymer Science - Series B</i> , 2021, 63, 942-950.	0.8	0