Zhijiang Ye

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8927746/publications.pdf

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22	704	567281 15	677142 22
papers	citations	h-index	g-index

22	22	22	763
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tuning Dual-Dynamic Network Materials through Polymer Architectural Features. ACS Applied Polymer Materials, 2022, 4, 1475-1486.	4.4	17
2	Nanoscale Colocalized Electrochemical and Structural Mapping of Metal Dissolution Reaction. Analytical Chemistry, 2022, 94, 9058-9064.	6.5	15
3	The Role of Speed in Atomic Scale Wear. Journal of Physical Chemistry C, 2021, 125, 4139-4145.	3.1	5
4	Effect of structural transitions of n-hexadecane in nanoscale confinement on atomic friction. Carbon, 2021, 183, 428-437.	10.3	4
5	Carbon nanotube enhanced dynamic polymeric materials through macromolecular engineering. Materials Advances, 2020, 1, 1071-1076.	5.4	11
6	Wavelength-Controlled Synthesis and Degradation of Thermoplastic Elastomers Based on Intrinsically Photoresponsive Phenyl Vinyl Ketone. Macromolecules, 2020, 53, 5199-5207.	4.8	18
7	Accelerating dynamic exchange and self-healing using mechanical forces in crosslinked polymers. Materials Horizons, 2020, 7, 1581-1587.	12.2	32
8	Prediction of Nanoscale Friction for Two-Dimensional Materials Using a Machine Learning Approach. Tribology Letters, 2020, 68, 1.	2.6	80
9	Computational Investigation of the Effect of Network Architecture on Mechanical Properties of Dynamically Crossâ€Linked Polymer Materials. Macromolecular Theory and Simulations, 2019, 28, 1900008.	1.4	17
10	Dual-dynamic interpenetrated networks tuned through macromolecular architecture. Polymer Chemistry, 2019, 10, 6290-6304.	3.9	40
11	Experiments and simulations of the humidity dependence of friction between nanoasperities and graphite: The role of interfacial contact quality. Physical Review Materials, 2018, 2, .	2.4	30
12	Effect of roughness on the layer-dependent friction of few-layer graphene. Physical Review B, 2017, 96, .	3.2	46
13	Shear-Induced Mechanochemistry: Pushing Molecules Around. Journal of Physical Chemistry C, 2015, 119, 7115-7123.	3.1	65
14	Dynamics of Atomic Stick-Slip Friction Examined with Atomic Force Microscopy and Atomistic Simulations at Overlapping Speeds. Physical Review Letters, 2015, 114, 146102.	7.8	78
15	Oscillatory motion in layered materials: graphene, boron nitride, and molybdenum disulfide. Nanotechnology, 2015, 26, 165701.	2.6	18
16	Atomic friction at exposed and buried graphite step edges: Experiments and simulations. Applied Physics Letters, 2015, 106, .	3.3	35
17	Atomistic Simulation of the Load Dependence of Nanoscale Friction on Suspended and Supported Graphene. Langmuir, 2014, 30, 14707-14711.	3.5	33
18	Structural and Chemical Evolution of the Near-Apex Region of an Atomic Force Microscope Tip Subject to Sliding. Tribology Letters, 2014, 53, 181-187.	2.6	12

#	Article	IF	Citations
19	The role of roughness-induced damping in the oscillatory motion of bilayer graphene. Nanotechnology, 2014, 25, 425703.	2.6	2
20	Effect of tip shape on atomic-friction at graphite step edges. Applied Physics Letters, 2013, 103, 081601.	3.3	30
21	Correlation Between Probe Shape and Atomic Friction Peaks at Graphite Step Edges. Tribology Letters, 2013, 50, 49-57.	2.6	47
22	Environmental dependence of atomic-scale friction at graphite surface steps. Physical Review B, 2013, 88, .	3.2	69