

The Princess and the Nanoscale Pea: Long-Range Penetration of Nanoparticles into Layered Materials Stacks

ACS Nano

13, 7603-7609

DOI: [10.1021/acsnano.9b00645](https://doi.org/10.1021/acsnano.9b00645)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Mechanical and Tribological Properties of Layered Materials under High Pressure: Assessing the Importance of Many-Body Dispersion Effects. Journal of Chemical Theory and Computation, 2020, 16, 666-676.	2.3	39
2	Controllable Thermal Conductivity in Twisted Homogeneous Interfaces of Graphene and Hexagonal Boron Nitride. Nano Letters, 2020, 20, 7513-7518.	4.5	50
3	Direct large-area growth of graphene on silicon for potential ultra-low-friction applications and silicon-based technologies. Nanotechnology, 2020, 31, 335602.	1.3	10
4	Friction of physisorbed nanotubes: rolling or sliding?. Nanoscale, 2020, 12, 13046-13054.	2.8	2
5	Parity-Dependent Moiré Superlattices in Graphene Heterostructures: A Route to Mechanomutable Metamaterials. Physical Review Letters, 2021, 126, 216101.	2.8	2
6	Ultra-low friction and edge-pinning effect in large-lattice-mismatch van der Waals heterostructures. Nature Materials, 2022, 21, 47-53.	13.3	110
7	Modification of surface morphology of hydrogels due to subsurface femtosecond laser micromachining. Applied Optics, 2021, 60, 9799.	0.9	0
8	Anisotropic Interlayer Force Field for Transition Metal Dichalcogenides: The Case of Molybdenum Disulfide. Journal of Chemical Theory and Computation, 2021, 17, 7237-7245.	2.3	12
9	Robustness of structural superlubricity beyond rigid models. Friction, 2022, 10, 1382-1392.	3.4	5
10	The Origin of Moiré Level Stick-Slip Behavior on Graphene/hBN Heterostructures. Advanced Functional Materials, 2022, 32, .	7.8	20
11	Unveiling the moiré pattern evolution and superlubricity in twisted bilayer 2D phosphorene at atomistic scale. Applied Surface Science, 2022, 606, 154796.	3.1	3
12	Regulating Rolling and Sliding of Carbon Nanotubes on Graphite Through Doping and Charging. Tribology Letters, 2022, 70, .	1.2	1
13	Frictionless nanohighways on crystalline surfaces. Nanoscale, 2023, 15, 1299-1316.	2.8	2
14	Velocity Dependence of Moiré Friction. Nano Letters, 2022, 22, 9529-9536.	4.5	6
15	Stick-Slip Dynamics of Moiré Superstructures in Polycrystalline 2D Material Interfaces. Physical Review Letters, 2022, 129, .	2.9	3