

Xiao Yang

List of Publications by Year in descending order

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15
papers

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1307594

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15
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213
citing authors

#	ARTICLE	IF	CITATIONS
1	Black Phosphorus Quantum Dots in Aqueous Ethylene Glycol for Macroscale Superlubricity. ACS Applied Nano Materials, 2020, 3, 4799-4809.	5.0	50
2	Superlubricity under ultrahigh contact pressure enabled by partially oxidized black phosphorus nanosheets. Npj 2D Materials and Applications, 2021, 5, .	7.9	40
3	In-plane Potential Gradient Induces Low Frictional Energy Dissipation during the Stick-Slip Sliding on the Surfaces of 2D Materials. Small, 2019, 15, e1904613.	10.0	19
4	Tribological properties of PAO40@SiO2/PTFE/aramid fabric composites subjected to heavy-loading conditions. Tribology International, 2022, 166, 107336.	5.9	19
5	Formation and electronic properties of palladium hydrides and palladium-rhodium dihydride alloys under pressure. Scientific Reports, 2017, 7, 3520.	3.3	16
6	High-Linearity, Response-Range Adjustable Force Sensors Based on a Yarn/Film/Spacer Triboelectric Device Design. Advanced Materials Technologies, 2021, 6, 2100203.	5.8	11
7	Fabrication of high-stability Ni-PSF@PAO40 microcapsules and their lubricating properties in polyamide 6. Friction, 2022, 10, 1985-1999.	6.4	11
8	A new, layered monoclinic phase of Co_3O_4 at high pressure. Physical Chemistry Chemical Physics, 2015, 17, 19957-19961.	2.8	6
9	An Easy-to-install Textile Bending Sensor with High Sensitivity, Linearity, and Multidirection Direction Capability. Advanced Materials Technologies, 2022, 7, 2100830.	5.8	6
10	Intrinsic adsorption behaviour related to the structural and mechanical properties of flexible metal-organic frameworks $\text{Co}(\text{bdp})$. Computational Materials Science, 2020, 177, 109543.	3.0	3
11	Thickness-dependent Young's modulus of polycrystalline PbO nanosheets. Nanotechnology, 2020, 31, 395712.	2.6	3
12	Mechanical stability and formation analysis of Pd/Rh dihydride alloys under pressure. Solid State Communications, 2018, 277, 33-38.	1.9	1
13	Mechanical properties investigation on single-wall ZrO ₂ nanotubes: A finite element method with equivalent Poisson's ratio for chemical bonds. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 98, 23-28.	2.7	1
14	Theoretical investigation of polymer molecular structure influence on dielectric properties and mechanical properties. Polymers for Advanced Technologies, 0, , .	3.2	1
15	Elastic Properties Investigation on Random and Ordered ZrO ₂ Nanotube-Reinforced HA and β -TCP Biocomposites with Finite Element Approach. Journal of Nanomaterials, 2020, 2020, 1-9.	2.7	0