

Xiao Yang

List of Publications by Year in descending order

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15
papers

187
citations

1307594

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times ranked

213
citing authors

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