

Yuhang Zhang

List of Publications by Year in descending order

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22
papers

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933447

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docs citations

22
times ranked

116
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoindentation response of nanocrystalline copper via molecular dynamics: Grain-size effect. <i>Materials Chemistry and Physics</i> , 2020, 241, 122391.	4.0	41
2	Differential responses of encoding-amoA nitrifiers and nir denitrifiers in activated sludge to anatase and rutile TiO ₂ nanoparticles: What is active functional guild in rate limiting step of nitrogen cycle?. <i>Journal of Hazardous Materials</i> , 2020, 384, 121388.	12.4	21
3	Structurally ordered nanoporous Pt-Co alloys with enhanced mechanical behaviors in tension. <i>Microporous and Mesoporous Materials</i> , 2020, 295, 109955.	4.4	20
4	Exposure to nanoplastic induces cell damage and nitrogen inhibition of activated sludge: Evidence from bacterial individuals and groups. <i>Environmental Pollution</i> , 2022, 306, 119471.	7.5	19
5	Structure-property relation of nanoporous graphene membranes. <i>Carbon</i> , 2020, 162, 392-401.	10.3	15
6	Cold welding behavior of metallic glass nanowires: Insights from large-scale numerical simulations. <i>Journal of Materials Science</i> , 2021, 56, 15906-15920.	3.7	15
7	Characterization of the deformation behaviors under uniaxial stress for bicontinuous nanoporous amorphous alloys. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1099-1112.	2.8	14
8	Light alters microbiota and electron transport: Evidence for enhanced mesophilic digestion of municipal sludge. <i>Water Research</i> , 2022, 217, 118447.	11.3	14
9	Shock responses of nanoporous gold subjected to dynamic loadings: Energy absorption. <i>International Journal of Mechanical Sciences</i> , 2021, 192, 106191.	6.7	12
10	Strengthening mechanisms of graphene in copper matrix nanocomposites: A molecular dynamics study. <i>Journal of Molecular Modeling</i> , 2020, 26, 335.	1.8	11
11	Mechanical properties and scaling laws of polycrystalline CuZr shape memory alloy. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	9
12	A concurrent high strength and ductility of 3D gyroidal nanoporous metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2021, 556, 120567.	3.1	7
13	Dynamic mechanical behaviors of metallic glass-shape memory alloy bilayered nanocomposite under shock wave compression. <i>Journal of Non-Crystalline Solids</i> , 2022, 581, 121419.	3.1	7
14	Atomistic investigation on the mechanical properties of 3D nanoporous metallic glasses under uniaxial tension and compression. <i>Materials Today Communications</i> , 2021, 27, 102460.	1.9	6
15	Synthesis and Anti-Tumor Activity of Novel Aminomethylated Derivatives of Isoliquiritigenin. <i>Molecules</i> , 2014, 19, 17715-17726.	3.8	5
16	Tetrachiral nanostructured metallic glasses with mechanically tunable performance. <i>Materials Chemistry and Physics</i> , 2022, 276, 125315.	4.0	4
17	Optimum atomic concentration in structurally disordered nanoporous Pt-Co alloys with the strongest mechanical properties. <i>Microporous and Mesoporous Materials</i> , 2022, 331, 111656.	4.4	4
18	Cold welding of ultrathin metallic glass nanowires with side-to-side contact using molecular dynamics simulations. <i>Materials Today Communications</i> , 2022, 32, 103937.	1.9	4

#	ARTICLE	IF	CITATIONS
19	Fatigue response of Nafion® XL membrane in biaxial tension: Temperature effects. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 1675-1678.	3.4	3
20	Tensile and Compressive Mechanical Properties of Polycrystalline Tungsten-Molybdenum Alloy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, .	1.8	3
21	Mechanical properties and clamping behaviors of snow crab claw. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 124, 104818.	3.1	2
22	Mechanics and Wave Propagation Characterization of Chiral S-Shaped Auxetic Metastructure. <i>Acta Mechanica Sinica</i> , 0, , 1.	1.9	0