

Wenpeng Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

950
citations

840776

11
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1734
citing authors

#	ARTICLE	IF	CITATIONS
1	A new class of synthetic retinoid antibiotics effective against bacterial persisters. <i>Nature</i> , 2018, 556, 103-107.	27.8	307
2	Biological and environmental interactions of emerging two-dimensional nanomaterials. <i>Chemical Society Reviews</i> , 2016, 45, 1750-1780.	38.1	216
3	A selective membrane-targeting repurposed antibiotic with activity against persistent methicillin-resistant <i>Staphylococcus aureus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16529-16534.	7.1	117
4	Nanomechanical mechanism for lipid bilayer damage induced by carbon nanotubes confined in intracellular vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12374-12379.	7.1	109
5	Pressure Sensitive Adhesion of an Elastomeric Protein Complex Extracted From Squid Ring Teeth. <i>Advanced Functional Materials</i> , 2014, 24, 6227-6233.	14.9	38
6	Discovery and Optimization of nTZDpa as an Antibiotic Effective Against Bacterial Persisters. <i>ACS Infectious Diseases</i> , 2018, 4, 1540-1545.	3.8	33
7	Three-Dimensional Graphene-Based Microbarriers for Controlling Release and Reactivity in Colloidal Liquid Phases. <i>ACS Nano</i> , 2016, 10, 2268-2276.	14.6	26
8	Orientation- and microstructure-dependent deformation in metal nanowires under bending. <i>Acta Materialia</i> , 2012, 60, 7112-7122.	7.9	23
9	Evolution of graphene nanoribbons under low-voltage electron irradiation. <i>Nanoscale</i> , 2012, 4, 4555.	5.6	16
10	Packing of flexible nanofibers in vesicles. <i>Extreme Mechanics Letters</i> , 2018, 19, 20-26.	4.1	15
11	Boron Nitride Nanosheets Can Induce Water Channels Across Lipid Bilayers Leading to Lysosomal Permeabilization. <i>Advanced Materials</i> , 2021, 33, e2103137.	21.0	15
12	Study on the mechanisms and quantitative law of mode I supersonic crack propagation. <i>Journal of the Mechanics and Physics of Solids</i> , 2012, 60, 1447-1461.	4.8	12
13	Evolution of Pt Clusters on Graphene Induced by Electron Irradiation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2013, 80, .	2.2	9
14	Packing of flexible 2D materials in vesicles. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 224001.	2.8	3
15	Activating Basal Surface of Palladium by Electronic Modulation via Atomically Dispersed Nitrogen Doping for High-Efficiency Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7373-7378.	4.6	3
16	Donor-Acceptor Competition via Halide Vacancy Filling for Oxygen Detection of High Sensitivity and Stability by All-Inorganic Perovskite Films. <i>Small</i> , 2021, 17, 2102733.	10.0	3
17	Molecular dynamics study of configuration and stability of vacancy clusters in fcc Ag. <i>Philosophical Magazine</i> , 2011, 91, 3793-3809.	1.6	2
18	Rutherford Scattering Model Implemented in Molecular Dynamics Simulations for Electron Irradiation Effects. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 1606-1609.	0.4	1

#	ARTICLE	IF	CITATIONS
19	CH ₃ NH ₃ ⁺ and Pb Immobilization Through PbI ₂ Binding by Organic Molecule Doping for Homogeneous Organometal Halide Perovskite Films. Journal of Materials Chemistry A, 0, .	10.3	1
20	Organic Cation Diffusion-Induced Heterogeneous Viscoelasticity in Organic-Inorganic Hybrid Perovskite Polycrystalline Films. ACS Applied Materials & Interfaces, 2022, 14, 22582-22592.	8.0	1