

Bei Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

309
citations

9
h-index

17
g-index

27
ext. papers

419
ext. citations

6.1
avg, IF

3.51
L-index

#	Paper	IF	Citations
24	Droplet wettability and repellency on fluorinated lubricant-infused surfaces: A molecular dynamics study. <i>Applied Surface Science</i> , 2022 , 598, 153782	6.7	1
23	The mechanism for the enhanced piezoelectricity in multi-elements doped (K,Na)NbO ceramics. <i>Nature Communications</i> , 2021 , 12, 881	17.4	25
22	Molecular dynamics investigation of structure evolution and thermodynamics of Ni-Fe nanoparticles during inert gas condensation. <i>Journal of Molecular Modeling</i> , 2021 , 27, 288	2	
21	Molecular dynamics investigation of structural and mechanical properties of silica nanorod reinforced dental resin composites. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 124, 104830	4.1	1
20	Molecular Dynamics Simulation of the Stability Behavior of Graphene in Glycerol/Urea Solvents in Liquid-Phase Exfoliation. <i>Acta Chimica Sinica</i> , 2021 , 79, 530	3.3	1
19	Hybrid Magnetic Micropillar Arrays for Programmable Actuation. <i>Advanced Materials</i> , 2020 , 32, e2001879	4	34
18	Laser-induced depletion of ultrathin PFPE lubricants using a quantitative coarse-grained model. <i>Journal of Molecular Modeling</i> , 2020 , 26, 115	2	
17	Molecular dynamics simulation of inert gas condensation of ternary Fe-Ni-Cr nanoparticles. <i>Computational Materials Science</i> , 2020 , 177, 109579	3.2	4
16	Carbonized Cellulose Nanofibril/Graphene Oxide Composite Aerogels for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1145-1151	6.1	29
15	Hierarchical Self-Assembly Mechanism of Ladder-Like Orientated β Single-Stranded Protofibrils into Multistranded Mature Fibrils. <i>ACS Macro Letters</i> , 2020 , 9, 1759-1765	6.6	2
14	Nanoindentation study on mechanical properties and curing depth of dental resin nanocomposites. <i>Polymer Composites</i> , 2019 , 40, 1473-1480	3	11
13	Understanding Interfacial Mechanics and Mechanisms of Exfoliation and Stabilization of Graphene Using Urea/Glycerol Solvents. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1900155	3.5	5
12	Flexible Regenerated Cellulose/Boron Nitride Nanosheet High-Temperature Dielectric Nanocomposite Films with High Energy Density and Breakdown Strength. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7151-7158	8.3	72
11	Mechanical and dynamic properties of resin blend and composite systems: A molecular dynamics study. <i>Composite Structures</i> , 2018 , 190, 160-168	5.3	20
10	Molecular Dynamics Simulation of Ultrathin Perfluoropolyether Lubricant Depletion under Moving Laser Heating. <i>Materials Science Forum</i> , 2018 , 921, 128-133	0.4	
9	Corrosion Inhibition from Thiol Self-assembly Layer: A High Pressure Perspective. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018 , 33, 1334-1343	1	0
8	Protective Coatings: Bioinspired Wear-Resistant and Ultradurable Functional Gradient Coatings (Small 41/2018). <i>Small</i> , 2018 , 14, 1870188	11	2

7	Bioinspired Wear-Resistant and Ultradurable Functional Gradient Coatings. <i>Small</i> , 2018 , 14, e1802717	11	9
6	Developing structure and thermodynamic properties-consistent coarse-grained model for random copolymer systems. <i>Polymer</i> , 2017 , 123, 107-120	3.9	8
5	Evolution of Diffusion-Related Degradation of Polymeric Lubricant Under Laser Heating: A Molecular Dynamics Study. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-9	2	2
4	Depletion kinetics of perfluoropolyether films with functional end groups using molecular dynamics simulation. <i>Polymer</i> , 2013 , 54, 6008-6018	3.9	21
3	Kinetics of lubricant desorption and decomposition under heat treatment: a molecular dynamics study. <i>Soft Matter</i> , 2013 , 9, 700-708	3.6	21
2	Lubricant evolution and depletion under laser heating: a molecular dynamics study. <i>Soft Matter</i> , 2012 , 8, 5649	3.6	36
1	Meso-Microporous Nanosheet-Constructed 3DOM Perovskites for Remarkable Photocatalytic Hydrogen Production. <i>Advanced Functional Materials</i> , 2112831	15.6	5