

Shivprasad Patil

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

392
citations

1163117

8
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Solidification in Nanoconfined Water Films. <i>Physical Review Letters</i> , 2010, 105, 106101.	7.8	134
2	<i>Dioscorea bulbifera</i> Mediated Synthesis of Novel Au _{core} Ag _{shell} Nanoparticles with Potent Antibiofilm and Antileishmanial Activity. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-12.	2.7	62
3	Solid or Liquid? Solidification of a Nanoconfined Liquid under Nonequilibrium Conditions. <i>Langmuir</i> , 2006, 22, 6485-6488.	3.5	56
4	A highly sensitive atomic force microscope for linear measurements of molecular forces in liquids. <i>Review of Scientific Instruments</i> , 2005, 76, 103705.	1.3	36
5	Viscoelasticity and shear thinning of nanoconfined water. <i>Physical Review E</i> , 2014, 89, 013004.	2.1	18
6	Mechanism of Adhesion of Natural Polymer Coatings to Chemically Modified Siloxane Polymer. <i>Langmuir</i> , 2021, 37, 2974-2984.	3.5	14
7	The Template Determines Whether Chemically Identical Nanoparticle Scaffolds Show Elastic Recovery or Plastic Failure. <i>Langmuir</i> , 2016, 32, 11623-11630.	3.5	10
8	Elasticity of single flexible polymer chains in good and poor solvents. <i>Polymer</i> , 2021, 230, 124031.	3.8	9
9	A new tuning fork-based instrument for oscillatory shear rheology of nano-confined liquids. <i>Review of Scientific Instruments</i> , 2013, 84, 025101.	1.3	8
10	Differential tissue stiffness of body column facilitates locomotion of <i>Hydra</i> on solid substrates. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	6
11	Pluripotency of embryonic stem cells lacking clathrin-mediated endocytosis cannot be rescued by restoring cellular stiffness. <i>Journal of Biological Chemistry</i> , 2020, 295, 16888-16896.	3.4	6
12	The nano-scale viscoelasticity using atomic force microscopy in liquid environment. <i>Nanotechnology</i> , 2021, 32, 085103.	2.6	6
13	Resistive Switching in HfO ₂ /La _{0.67} Sr _{0.33} MnO ₃ Heterostructures: An Intriguing Case of Low H-Field Susceptibility of an E-Field Controlled Active Interface. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54133-54142.	8.0	6
14	Few-Layer SrRu ₂ O ₆ Nanosheets as Non-Van der Waals Honeycomb Antiferromagnets: Implications for Two-Dimensional Spintronics. <i>ACS Applied Nano Materials</i> , 2021, 4, 9313-9321.	5.0	5
15	The effect of boundary slippage and nonlinear rheological response on flow of nanoconfined water. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 205101.	1.8	4
16	Validity of point-mass model in off-resonance dynamic atomic force microscopy. <i>Nanotechnology</i> , 2021, 32, 405702.	2.6	3
17	Quantitative Elasticity of Flexible Polymer Chains Using Interferometer-Based AFM. <i>Nanomaterials</i> , 2022, 12, 526.	4.1	3
18	Translational Diffusion of a Fluorescent Tracer Molecule in Nanoconfined Water. <i>Langmuir</i> , 2022, 38, 1034-1044.	3.5	2

#	ARTICLE	IF	CITATIONS
19	A new method for measurement and quantification of tracer diffusion in nanoconfined liquids. Review of Scientific Instruments, 2020, 91, 013702.	1.3	1
20	Interaction of chloramphenicol with titin I27 probed using single-molecule force spectroscopy. Journal of Biological Physics, 2021, 47, 191-204.	1.5	1