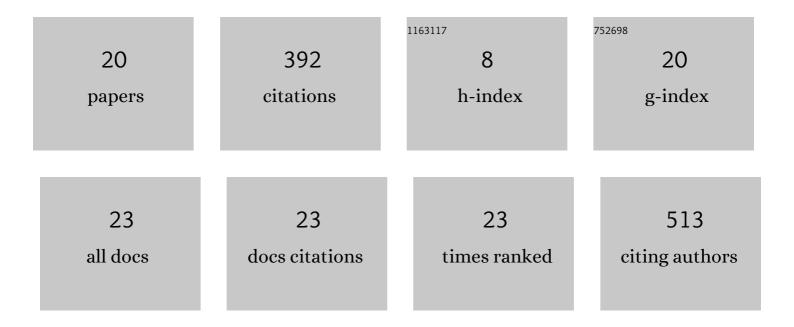
## Shivprasad Patil

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4030094/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Translational Diffusion of a Fluorescent Tracer Molecule in Nanoconfined Water. Langmuir, 2022, 38, 1034-1044.	3.5	2
2	Quantitative Elasticity of Flexible Polymer Chains Using Interferometer-Based AFM. Nanomaterials, 2022, 12, 526.	4.1	3
3	Mechanism of Adhesion of Natural Polymer Coatings to Chemically Modified Siloxane Polymer. Langmuir, 2021, 37, 2974-2984.	3.5	14
4	Interaction of chloramphenicol with titin 127 probed using single-molecule force spectroscopy. Journal of Biological Physics, 2021, 47, 191-204.	1.5	1
5	Validity of point-mass model in off-resonance dynamic atomic force microscopy. Nanotechnology, 2021, 32, 405702.	2.6	3
6	Few-Layer SrRu <sub>2</sub> O <sub>6</sub> Nanosheets as Non-Van der Waals Honeycomb Antiferromagnets: Implications for Two-Dimensional Spintronics. ACS Applied Nano Materials, 2021, 4, 9313-9321.	5.0	5
7	Elasticity of single flexible polymer chains in good and poor solvents. Polymer, 2021, 230, 124031.	3.8	9
8	The nano-scale viscoelasticity using atomic force microscopy in liquid environment. Nanotechnology, 2021, 32, 085103.	2.6	6
9	Resistive Switching in HfO <sub>2–<i>x</i></sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> Heterostructures: An Intriguing Case of Low H-Field Susceptibility of an E-Field Controlled Active Interface. ACS Applied Materials &: Interfaces. 2021. 13. 54133-54142.	8.0	6
10	Differential tissue stiffness of body column facilitates locomotion of <i>Hydra</i> on solid substrates. Journal of Experimental Biology, 2020, 223, .	1.7	6
11	Pluripotency of embryonic stem cells lacking clathrin-mediated endocytosis cannot be rescued by restoring cellular stiffness. Journal of Biological Chemistry, 2020, 295, 16888-16896.	3.4	6
12	A new method for measurement and quantification of tracer diffusion in nanoconfined liquids. Review of Scientific Instruments, 2020, 91, 013702.	1.3	1
13	The effect of boundary slippage and nonlinear rheological response on flow of nanoconfined water. Journal of Physics Condensed Matter, 2017, 29, 205101.	1.8	4
14	The Template Determines Whether Chemically Identical Nanoparticle Scaffolds Show Elastic Recovery or Plastic Failure. Langmuir, 2016, 32, 11623-11630.	3.5	10
15	<i>Dioscorea bulbifera</i> Mediated Synthesis of Novel Au <sub>core</sub> Ag <sub>shell</sub> Nanoparticles with Potent Antibiofilm and Antileishmanial Activity. Journal of Nanomaterials, 2015, 2015, 1-12.	2.7	62
16	Viscoelasticity and shear thinning of nanoconfined water. Physical Review E, 2014, 89, 013004.	2.1	18
17	A new tuning fork-based instrument for oscillatory shear rheology of nano-confined liquids. Review of Scientific Instruments, 2013, 84, 025101.	1.3	8
18	Dynamic Solidification in Nanoconfined Water Films. Physical Review Letters, 2010, 105, 106101.	7.8	134

#	Article	IF	CITATIONS
19	Solid or Liquid? Solidification of a Nanoconfined Liquid under Nonequilibrium Conditions. Langmuir, 2006, 22, 6485-6488.	3.5	56
20	A highly sensitive atomic force microscope for linear measurements of molecular forces in liquids. Review of Scientific Instruments, 2005, 76, 103705.	1.3	36