

# Aditi Chakrabarti

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

495  
citations

840585

11  
h-index

794469

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Measurement of the Surface Tension of a Soft Elastic Hydrogel: Exploration of Elastocapillary Instability in Adhesion. <i>Langmuir</i> , 2013, 29, 6926-6935.	1.6	80
2	Wetting and phase separation in soft adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14490-14494.	3.3	73
3	Generation of Motion of Drops with Interfacial Contact. <i>Langmuir</i> , 2015, 31, 9266-9281.	1.6	57
4	Self-Excited Motions of Volatile Drops on Swellable Sheets. <i>Physical Review Letters</i> , 2020, 124, 258002.	2.9	52
5	Advances in Chromatin and Chromosome Research: Perspectives from Multiple Fields. <i>Molecular Cell</i> , 2020, 79, 881-901.	4.5	42
6	Adhesion-induced instabilities and pattern formation in thin films of elastomers and gels. <i>European Physical Journal E</i> , 2015, 38, 82.	0.7	38
7	Selection of hexagonal buckling patterns by the elastic Rayleigh-Taylor instability. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 121, 234-257.	2.3	27
8	Coalescence of drops near a hydrophilic boundary leads to long range directed motion. <i>Extreme Mechanics Letters</i> , 2014, 1, 104-113.	2.0	22
9	Elastocapillary Interaction of Particles on the Surfaces of Ultrasoft Gels: A Novel Route To Study Self-Assembly and Soft Lubrication. <i>Langmuir</i> , 2014, 30, 4684-4693.	1.6	18
10	Surface Folding-Induced Attraction and Motion of Particles in a Soft Elastic Gel: Cooperative Effects of Surface Tension, Elasticity, and Gravity. <i>Langmuir</i> , 2013, 29, 15543-15550.	1.6	17
11	Elastowetting of Soft Hydrogel Spheres. <i>Langmuir</i> , 2018, 34, 3894-3900.	1.6	14
12	Elastic Cheerios effect: Self-assembly of cylinders on a soft solid. <i>Europhysics Letters</i> , 2015, 112, 54001.	0.7	11
13	Soft Lithography Using Nectar Droplets. <i>Langmuir</i> , 2015, 31, 13155-13164.	1.6	11
14	Attraction of Mesoscale Objects on the Surface of a Thin Elastic Film Supported on a Liquid. <i>Langmuir</i> , 2015, 31, 1911-1920.	1.6	8
15	Buckling of a spinning elastic cylinder: linear, weakly nonlinear and post-buckling analyses. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20180242.	1.0	6
16	Instabilities and patterns in a submerged jelling jet. <i>Soft Matter</i> , 2021, 17, 9745-9754.	1.2	6
17	Vibrations of sessile drops of soft hydrogels. <i>Extreme Mechanics Letters</i> , 2014, 1, 47-53.	2.0	5
18	The cusp of an apple. <i>Nature Physics</i> , 2021, 17, 1125-1129.	6.5	5

#	ARTICLE	IF	CITATIONS
19	Elastobuoyant Heavy Spheres: A Unique Way to Study Nonlinear Elasticity. Physical Review X, 2016, 6, .	2.8	3