

## List of Publications by Year in descending order

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64  
papers

8,129  
citations

126708

33  
h-index

128067

60  
g-index

67  
all docs

67  
docs citations

67  
times ranked

8266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Helices Formation by Self-Assembled Molecules on Semiconductor Flexible Substrates. ACS Nano, 2022, 16, 2901-2909.	7.3	12
2	Guided tearing: The ruler test. Physical Review Materials, 2021, 5, .	0.9	1
3	Curvature Induced by Deflection in Thick Meta-Plates. Advanced Materials, 2021, 33, e2008082.	11.1	22
4	Stretch-Induced Bending of Soft Ribbed Strips. Physical Review Letters, 2021, 127, 168002.	2.9	2
5	Geometry and mechanics of inextensible curvilinear balloons. Journal of the Mechanics and Physics of Solids, 2020, 143, 104068.	2.3	8
6	Programming stiff inflatable shells from planar patterned fabrics. Soft Matter, 2020, 16, 7898-7903.	1.2	27
7	Elastocapillary adhesion of a soft cap on a rigid sphere. Soft Matter, 2020, 16, 1961-1966.	1.2	5
8	Programming curvilinear paths of flat inflatables. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16692-16696.	3.3	23
9	Motion of Viscous Droplets in Rough Confinement: Paradoxical Lubrication. Physical Review Letters, 2019, 122, 074501.	2.9	16
10	Bio-inspired pneumatic shape-morphing elastomers. Nature Materials, 2019, 18, 24-28.	13.3	226
11	Dynamics of non-wetting drops confined in a Hele-Shaw cell. Journal of Fluid Mechanics, 2018, 845, 245-262.	1.4	16
12	Elastocapillarity: When Surface Tension Deforms Elastic Solids. Annual Review of Fluid Mechanics, 2018, 50, 629-659.	10.8	198
13	Friction of a sphere rolling down a granular slope. Europhysics Letters, 2018, 123, 54005.	0.7	1
14	Marangoni bursting: Evaporation-induced emulsification of a two-component droplet. Physical Review Fluids, 2018, 3, .	1.0	10
15	Fragmentation de Marangoni: les gouttes qui s'écoulent. , 2018, , 32-35.	0.1	0
16	Marangoni Bursting: Evaporation-Induced Emulsification of Binary Mixtures on a Liquid Layer. Physical Review Letters, 2017, 118, 074504.	2.9	97
17	Buckling of elastomer sheets under non-uniform electro-actuation. Soft Matter, 2017, 13, 2876-2885.	1.2	25
18	Washing wedges: capillary instability in a gradient of confinement. Journal of Fluid Mechanics, 2016, 790, 619-633.	1.4	13

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19	Three-dimensional lithography by elasto-capillary engineering of filamentary materials. MRS Bulletin, 2016, 41, 108-114.	1.7	27
20	Let's twist again: elasto-capillary assembly of parallel ribbons. Soft Matter, 2016, 12, 7186-7194.	1.2	7
21	Rupture et délamination de films minces. , 2016, , 26-29.	0.1	0
22	Cracks in bursting soap films. Journal of Fluid Mechanics, 2015, 778, 1-4.	1.4	12
23	A new failure mechanism in thin film by collaborative fracture and delamination: Interacting duos of cracks. Journal of the Mechanics and Physics of Solids, 2015, 84, 214-229.	2.3	16
24	Effect of friction on the peeling test at zero-degrees. Soft Matter, 2015, 11, 9281-9290.	1.2	33
25	Self-Replicating Cracks: A Collaborative Fracture Mode in Thin Films. Physical Review Letters, 2014, 113, 085502.	2.9	68
26	Experimental investigation of liquid films in gravity-driven flows with a simple visualization technique. Experiments in Fluids, 2013, 54, 1.	1.1	5
27	Capillary buckling of a floating annulus. Soft Matter, 2013, 9, 10985.	1.2	47
28	Single cell rheometry with a microfluidic constriction: Quantitative control of friction and fluid leaks between cell and channel walls. Biomicrofluidics, 2013, 7, 024111.	1.2	43
29	Forbidden Directions for the Fracture of Thin Anisotropic Sheets: An Analogy with the Wulff Plot. Physical Review Letters, 2013, 110, 144301.	2.9	55
30	Poils mouillés : une expérience de recherche et de partage de savoirs... À raser les cheveux. , 2013, , 38-38.	0.1	0
31	Stamping and Wrinkling of Elastic Plates. Physical Review Letters, 2012, 109, 054302.	2.9	46
32	Wrinkling Hierarchy in Constrained Thin Sheets from Suspended Graphene to Curtains. Physical Review Letters, 2011, 106, 224301.	2.9	171
33	Wrapping an Adhesive Sphere with an Elastic Sheet. Physical Review Letters, 2011, 106, 174301.	2.9	67
34	Capillary rise between flexible walls. Europhysics Letters, 2011, 96, 24001.	0.7	30
35	Stretch-induced wrinkles in reinforced membranes: From out-of-plane to in-plane structures. Europhysics Letters, 2011, 96, 64001.	0.7	25
36	Piercing an interface with a brush: Collaborative stiffening. Europhysics Letters, 2010, 90, 44006.	0.7	34

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37	Elasto-capillarity: deforming an elastic structure with a liquid droplet. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 493101.	0.7	266
38	Capillary origami controlled by an electric field. <i>Soft Matter</i> , 2010, 6, 4491.	1.2	65
39	Random blisters on stickers: metrology through defects. <i>Soft Matter</i> , 2010, 6, 5720.	1.2	14
40	The macroscopic delamination of thin films from elastic substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10901-10906.	3.3	225
41	Rolling stones: The motion of a sphere down an inclined plane coated with a thin liquid film. <i>Physics of Fluids</i> , 2009, 21, .	1.6	29
42	“Gobbling drops”: the jetting “dripping transition in flows of polymer solutions. <i>Journal of Fluid Mechanics</i> , 2009, 636, 5-40.	1.4	60
43	Capillarity induced folding of elastic sheets. <i>European Physical Journal: Special Topics</i> , 2009, 166, 67-71.	1.2	43
44	Capillary Origami: Spontaneous Wrapping of a Droplet with an Elastic Sheet. <i>Physical Review Letters</i> , 2007, 98, 156103.	2.9	388
45	Elastocapillary coalescence: Aggregation and fragmentation with a maximal size. <i>Physical Review E</i> , 2007, 76, 060102.	0.8	34
46	Piercing a liquid surface with an elastic rod: Buckling under capillary forces. <i>Journal of the Mechanics and Physics of Solids</i> , 2007, 55, 1212-1235.	2.3	58
47	3D aggregation of wet fibers. <i>Europhysics Letters</i> , 2007, 77, 44005.	0.7	87
48	Ex vivo rheology of spider silk. <i>Journal of Experimental Biology</i> , 2006, 209, 4355-4362.	0.8	97
49	Popliteal rippling of layered elastic tubes and scrolls. <i>Europhysics Letters</i> , 2004, 65, 323-329.	0.7	14
50	Elastocapillary coalescence in wet hair. <i>Nature</i> , 2004, 432, 690-690.	13.7	374
51	Self-similar etching. <i>Journal of Colloid and Interface Science</i> , 2004, 270, 247-249.	5.0	3
52	Superhydrophobic Carbon Nanotube Forests. <i>Nano Letters</i> , 2003, 3, 1701-1705.	4.5	1,527
53	A laboratory model of splash “form tektites. <i>Meteoritics and Planetary Science</i> , 2003, 38, 1331-1340.	0.7	41
54	Slippy and sticky microtextured solids. <i>Nanotechnology</i> , 2003, 14, 1109-1112.	1.3	271

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55	Precursors of impregnation. Europhysics Letters, 2003, 61, 348-353.	0.7	61
56	Modulation du mouillage par des microtextures. Houille Blanche, 2003, 89, 21-24.	0.3	3
57	Self-propelling slugs. Journal of Fluid Mechanics, 2002, 467, 101-127.	1.4	126
58	Rise of Liquids and Bubbles in Angular Capillary Tubes. Journal of Colloid and Interface Science, 2002, 247, 162-166.	5.0	97
59	Wetting of textured surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 206, 41-46.	2.3	1,167
60	Rough wetting. Europhysics Letters, 2001, 55, 214-220.	0.7	607
61	Falling Slugs. Journal of Colloid and Interface Science, 2001, 243, 262-264.	5.0	63
62	Liquid trains in a tube. Europhysics Letters, 2000, 51, 546-550.	0.7	73
63	Three Attempts on Dry Wetting. Fluid Mechanics and Its Applications, 2000, , 195-203.	0.1	0
64	Pearl drops. Europhysics Letters, 1999, 47, 220-226.	0.7	930