Jacco H Snoeijer

List of Publications by Year
in descending order

72 papers	3,812 citations	159585 30 h-index	123424 61 g-index
75 all docs	75 docs citations	75 times ranked	3692 citing authors

#	Article	IF	Citations
1	When Elasticity Affects Drop Coalescence. Physical Review Letters, 2022, 128, 028004.	7.8	20
2	Regimes of soft lubrication. Journal of Fluid Mechanics, 2021, 915, .	3.4	19
3	Wetting of Two-Component Drops: Marangoni Contraction Versus Autophobing. Langmuir, 2021, 37, 3605-3611.	3.5	12
4	Droplets Sit and Slide Anisotropically on Soft, Stretched Substrates. Physical Review Letters, 2021, 126, 158004.	7.8	17
5	Deformation and relaxation of viscous thin films under bouncing drops. Journal of Fluid Mechanics, 2021, 920, .	3.4	14
6	Pinning-Induced Folding-Unfolding Asymmetry in Adhesive Creases. Physical Review Letters, 2021, 127, 028001.	7.8	10
7	The role of entropy in wetting of polymer brushes. Soft Matter, 2021, 17, 1368-1375.	2.7	15
8	Asymmetric coalescence of two droplets with different surface tensions is caused by capillary waves. Physical Review Fluids, 2021, 6, .	2.5	9
9	Theory for the coalescence of viscous lenses. Journal of Fluid Mechanics, 2021, 928, .	3.4	1
10	The retraction of jetted slender viscoelastic liquid filaments. Journal of Fluid Mechanics, 2021, 929, .	3.4	13
11	Gradient-dynamics model for liquid drops on elastic substrates. Soft Matter, 2021, 17, 10359-10375.	2.7	13
12	Initial solidification dynamics of spreading droplets. Physical Review Fluids, 2021, 6, .	2.5	7
13	Statics and Dynamics of Soft Wetting. Annual Review of Fluid Mechanics, 2020, 52, 285-308.	25.0	140
14	Solidification of liquid metal drops duringÂimpact. Journal of Fluid Mechanics, 2020, 883, .	3.4	40
15	Coxâ€“Voinov theory with slip. Journal of Fluid Mechanics, 2020, 900, .	3.4	15
16	Desorption energy of soft particles from a fluid interface. Soft Matter, 2020, 16, 8655-8666.	2.7	14
17	Onset of Elasto-capillary Bundling of Micropillar Arrays: A Direct Visualization. Langmuir, 2020, 36, 11581-11588.	3.5	8
18	Self-Similar Liquid Lens Coalescence. Physical Review Letters, 2020, 124, 194502.	7.8	22

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19	Inverse leidenfrost drop manipulation using menisci. Soft Matter, 2020, 16, 4043-4048.	2.7	4
20	Mechanics and Energetics of Electromembranes. Soft Robotics, 2020, 7, 675-687.	8.0	0
21	Escape dynamics of liquid droplets confined between soft interfaces: non-inertial coalescence cascades. Soft Matter, 2020, 16, 1866-1876.	2.7	4
22	Non-axisymmetric elastohydrodynamic solid-liquid-solid dewetting: Experiments and numerical modelling. European Physical Journal E, 2020, 43, 2.	1.6	8
23	The relationship between viscoelasticity and elasticity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200419.	2.1	31
24	Soft electrowetting. Soft Matter, 2019, 15, 6469-6475.	2.7	12
25	Capillary ripples in thin viscous films. Journal of Fluid Mechanics, 2019, 880, 430-440.	3.4	12
26	Capillary orbits. Nature Communications, 2019, 10, 3947.	12.8	14
27	Asymptotic theory for a Leidenfrost drop on a liquid pool. Journal of Fluid Mechanics, 2019, 863, 1157-1189.	3.4	18
28	Peeling an elastic film from a soft viscoelastic adhesive: experiments and scaling laws. Soft Matter, 2019, 15, 770-778.	2.7	15
29	Wetting of Polymer Brushes by Polymeric Nanodroplets. Macromolecules, 2019, 52, 2015-2020.	4.8	20
30	A flexible rheometer design to measure the visco-elastic response of soft solids over a wide range of frequency. Review of Scientific Instruments, 2019, 90, 023906.	1.3	7
31	Dynamic drying transition via free-surface cusps. Journal of Fluid Mechanics, 2019, 858, 760-786.	3.4	12
32	Size-Dependent Submerging of Nanoparticles in Polymer Melts: Effect of Line Tension. Macromolecules, 2018, 51, 2411-2417.	4.8	19
33	Bacterial Footprints in Elastic Pillared Microstructures. ACS Applied Bio Materials, 2018, 1, 1294-1300.	4.6	8
34	Equilibrium Contact Angle and Adsorption Layer Properties with Surfactants. Langmuir, 2018, 34, 7210-7221.	3.5	24
35	Soft wetting: Models based on energy dissipation or on force balance are equivalent. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7233.	7.1	6
36	Paradox of Contact Angle Selection on Stretched Soft Solids. Physical Review Letters, 2018, 121, 068003.	7.8	38

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37	On the shape of giant soap bubbles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2515-2519.	7.1	27
38	Droplet deformation by short laser-induced pressure pulses. Journal of Fluid Mechanics, 2017, 828, 374-394.	3.4	17
39	Contact line arrest in solidifying spreading drops. Physical Review Fluids, 2017, 2, .	2.5	37
40	Oblique drop impact onto a deep liquid pool. Physical Review Fluids, 2017, 2, .	2.5	36
41	Lubrication of soft viscoelastic solids. Journal of Fluid Mechanics, 2016, 799, 433-447.	3.4	50
42	Effect of Disjoining Pressure on Surface Nanobubbles. Langmuir, 2016, 32, 11188-11196.	3.5	21
43	Universal mechanism for air entrainment duringÂliquid impact. Journal of Fluid Mechanics, 2016, 789, 708-725.	3.4	49
44	Impact of a high-speed train of microdrops on a liquid pool. Journal of Fluid Mechanics, 2016, 792, 850-868.	3.4	22
45	Drop deformation by laser-pulse impact. Journal of Fluid Mechanics, 2016, 794, 676-699.	3.4	51
46	Surface tension regularizes the crack singularity of adhesion. Soft Matter, 2016, 12, 4463-4471.	2.7	22
47	Liquid drops attract or repel by the inverted Cheerios effect. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7403-7407.	7.1	95
48	Soft particles at a fluid interface. Soft Matter, 2016, 12, 1062-1073.	2.7	46
49	Solid capillarity: when and how does surface tension deform soft solids?. Soft Matter, 2016, 12, 2993-2996.	2.7	77
50	Analogies between elastic and capillary interfaces. Physical Review Fluids, 2016, 1, .	2.5	10
51	Drop Shaping by Laser-Pulse Impact. Physical Review Applied, 2015, 3, .	3.8	76
52	Interface deformations due to counter-rotating vortices: Viscous versus elastic media. Physical Review E, 2015, 91, 033001.	2.1	0
53	Initial surface deformations during impact on a liquid pool. Journal of Fluid Mechanics, 2015, 771, 503-519.	3.4	16
54	Phase diagram of vertically vibrated dense suspensions. Physics of Fluids, 2014, 26, 113302.	4.0	5

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55	Capillarity of soft amorphous solids: A microscopic model for surface stress. Physical Review E, 2014, 89, 042408.	2.1	15
56	Stokes flow in a drop evaporating from a liquid subphase. Physics of Fluids, 2013, 25, 102102.	4.0	10
57	Moving Contact Lines: Scales, Regimes, and Dynamical Transitions. Annual Review of Fluid Mechanics, 2013, 45, 269-292.	25.0	613
58	Elasto-capillarity at the nanoscale: on the coupling between elasticity and surface energy in soft solids. Soft Matter, 2013, 9, 8494.	2.7	66
59	Maximal Air Bubble Entrainment at Liquid-Drop Impact. Physical Review Letters, 2012, 109, 264501.	7.8	172
60	Contact Angles on a Soft Solid: From Youngâ€™s Law to Neumannâ€™s Law. Physical Review Letters, 2012, 109, 236101.	7.8	156
61	Theory of the forced wetting transition. Physics of Fluids, 2012, 24, .	4.0	35
62	Capillary Pressure and Contact Line Force on a Soft Solid. Physical Review Letters, 2012, 108, 094301.	7.8	96
63	Building microscopic soccer balls with evaporating colloidal fakir drops. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16455-16458.	7.1	113
64	Stokes flow near the contact line of an evaporating drop. Journal of Fluid Mechanics, 2012, 709, 69-84.	3.4	58
65	Maximum speed of dewetting on a fiber. Physics of Fluids, 2011, 23, .	4.0	17
66	Origin of line tension for a Lennard-Jones nanodroplet. Physics of Fluids, 2011, 23, .	4.0	208
67	Why is surface tension a force parallel to the interface?. American Journal of Physics, 2011, 79, 999-1008.	0.7	149
68	Order-to-Disorder Transition in Ring-Shaped Colloidal Stains. Physical Review Letters, 2011, 107, 085502.	7.8	339
69	Elastic deformation due to tangential capillary forces. Physics of Fluids, 2011, 23, .	4.0	81
70	Breakup of diminutive Rayleigh jets. Physics of Fluids, 2010, 22, .	4.0	147
71	Asymptotic analysis of the dewetting rim. Physical Review E, 2010, 82, 056314.	2.1	42
72	The force network ensemble for granular packings. Soft Matter, 2010, 6, 2908.	2.7	67