Anne Juel

List of Publications by Year
in descending order

42 papers	770 citations	516561 16 h-index	552653 26 g-index
43 all docs	43 docs citations	43 times ranked	645 citing authors

#	Article	IF	Citations
1	Dynamics and friction losses of the flow of yield-stress fluids through 90Â° pipe bends. Chemical Engineering Science, 2022, 251, 117484.	1.9	6
2	Micro-haemodynamics at the maternalâ€“fetal interface: Experimental, theoretical and clinical perspectives. Current Opinion in Biomedical Engineering, 2022, 22, 100387.	1.8	4
3	Trapping and escape of viscous fingers in a soft Hele-Shaw cell. Physical Review Fluids, 2022, 7, .	1.0	3
4	Fluidisation of yield stress fluids under vibration. , 2022, 3, 100067.		3
5	Sorting of capsules according to their stiffness: from principle to application. Soft Matter, 2021, 17, 3722-3732.	1.2	7
6	Self-assembly of coated microdroplets at the sudden expansion of a microchannel. Microfluidics and Nanofluidics, 2021, 25, 1.	1.0	7
7	The life and fate of a bubble in a geometrically perturbed Hele-Shaw channel. Journal of Fluid Mechanics, 2021, 914, .	1.4	9
8	The engulfment of aqueous droplets on perfectly wetting oil layers. Journal of Fluid Mechanics, 2021, 915, .	1.4	6
9	Modelling finger propagation in elasto-rigid channels. Journal of Fluid Mechanics, 2021, 916, .	1.4	5
10	Fluidisation of yield stress fluids under vibration. Journal of Non-Newtonian Fluid Mechanics, 2021, 294, 104595.	1.0	9
11	Deformation and sorting of capsules in a T-junction. Journal of Fluid Mechanics, 2020, 885, .	1.4	12
12	Flow-induced choking of a compliant Hele-Shaw cell. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30228-30233.	3.3	8
13	Dynamics of front propagation in a compliant channel. Journal of Fluid Mechanics, 2020, 886, .	1.4	4
14	POLED displays: Robust printing of pixels. Applied Physics Letters, 2019, 115, .	1.5	5
15	The influence of invariant solutions on the transient behaviour of an air bubble in a Hele-Shaw channel. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20190434.	1.0	5
16	Bubble propagation in Hele-Shaw channels with centred constrictions. Fluid Dynamics Research, 2018, 50, 021403.	0.6	11
17	Viscous drops on a layer of the same fluid: from sinking, wedging and spreading to their long-time evolution. Journal of Fluid Mechanics, 2018, 843, 1-28.	1.4	12
18	Instabilities in Blistering. Annual Review of Fluid Mechanics, 2018, 50, 691-714.	10.8	33

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19	Sequential deposition of microdroplets on patterned surfaces. Soft Matter, 2018, 14, 8709-8716.	1.2	9
20	Viscous fingering in a radial elastic-walled Hele-Shaw cell. Journal of Fluid Mechanics, 2018, 849, 163-191.	1.4	53
21	From elastic deformation to flow in tempered chocolate. Journal of Rheology, 2018, 62, 1187-1195.	1.3	8
22	Reopening modes of a collapsed elasto-rigid channel. Journal of Fluid Mechanics, 2017, 819, 121-146.	1.4	15
23	Viscous fingering and dendritic growth under an elastic membrane. Journal of Fluid Mechanics, 2017, 826, .	1.4	18
24	Bubble propagation on a rail: a concept for sorting bubbles by size. Soft Matter, 2017, 13, 8684-8697.	1.2	7
25	Sensitivity of Saffmanâ€“Taylor fingers to channel-depth perturbations. Journal of Fluid Mechanics, 2016, 794, 343-368.	1.4	24
26	Ultra-low voltage electrowetting using graphite surfaces. Soft Matter, 2016, 12, 8798-8804.	1.2	55
27	Ribbon curling via stress relaxation in thin polymer films. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1719-1724.	3.3	13
28	Displacement flows under elastic membranes. Part 2. Analysis of interfacial effects. Journal of Fluid Mechanics, 2015, 784, 512-547.	1.4	35
29	Displacement flows under elastic membranes. Part 1. Experiments and direct numericalÂsimulations. Journal of Fluid Mechanics, 2015, 784, 487-511.	1.4	34
30	Extreme Deformation of Capsules and Bubbles Flowing through a Localised Constriction. Procedia IUTAM, 2015, 16, 22-32.	1.2	17
31	Sequential deposition of overlapping droplets to form a liquid line. Journal of Fluid Mechanics, 2014, 761, 261-281.	1.4	28
32	Multiple finger propagation modes in Hele-Shaw channels of variable depth. Journal of Fluid Mechanics, 2014, 746, 123-164.	1.4	26
33	Modelling the suppression of viscous fingering in elastic-walled Hele-Shaw cells. Journal of Fluid Mechanics, 2013, 731, 162-183.	1.4	60
34	The trapping and release of bubbles from a linear pore. Journal of Fluid Mechanics, 2013, 722, 437-460.	1.4	12
35	Oscillatory transverse instability of interfacial waves in horizontally oscillating flows. Physics of Fluids, 2012, 24, 044104.	1.6	7
36	Bubble transitions in strongly collapsed elastic tubes. Journal of Fluid Mechanics, 2009, 633, 485-507.	1.4	10

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37	Steep capillary-gravity waves in oscillatory shear-driven flows. Journal of Fluid Mechanics, 2009, 640, 131-150.	1.4	34
38	Anomalous bubble propagation in elastic tubes. Physics of Fluids, 2008, 20, .	1.6	17
39	The steady propagation of an air finger into a rectangular tube. Journal of Fluid Mechanics, 2008, 614, 173-195.	1.4	46
40	The influence of viscosity on the frozen wave instability: theory and experiment. Journal of Fluid Mechanics, 2007, 584, 45-68.	1.4	61
41	The reopening of a collapsed fluid-filled elastic tube. Journal of Fluid Mechanics, 2007, 572, 287-310.	1.4	23
42	Fluctuations and Pinch-Offs Observed in Viscous Fingering. AIP Conference Proceedings, 2003, , .	0.3	8