

Anne Juel

List of Publications by Year in descending order

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Version: 2024-02-01

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	The influence of viscosity on the frozen wave instability: theory and experiment. <i>Journal of Fluid Mechanics</i> , 2007, 584, 45-68.	1.4	61
2	Modelling the suppression of viscous fingering in elastic-walled Hele-Shaw cells. <i>Journal of Fluid Mechanics</i> , 2013, 731, 162-183.	1.4	60
3	Ultra-low voltage electrowetting using graphite surfaces. <i>Soft Matter</i> , 2016, 12, 8798-8804.	1.2	55
4	Viscous fingering in a radial elastic-walled Hele-Shaw cell. <i>Journal of Fluid Mechanics</i> , 2018, 849, 163-191.	1.4	53
5	The steady propagation of an air finger into a rectangular tube. <i>Journal of Fluid Mechanics</i> , 2008, 614, 173-195.	1.4	46
6	Displacement flows under elastic membranes. Part 2. Analysis of interfacial effects. <i>Journal of Fluid Mechanics</i> , 2015, 784, 512-547.	1.4	35
7	Steep capillary-gravity waves in oscillatory shear-driven flows. <i>Journal of Fluid Mechanics</i> , 2009, 640, 131-150.	1.4	34
8	Displacement flows under elastic membranes. Part 1. Experiments and direct numerical simulations. <i>Journal of Fluid Mechanics</i> , 2015, 784, 487-511.	1.4	34
9	Instabilities in Blistering. <i>Annual Review of Fluid Mechanics</i> , 2018, 50, 691-714.	10.8	33
10	Sequential deposition of overlapping droplets to form a liquid line. <i>Journal of Fluid Mechanics</i> , 2014, 761, 261-281.	1.4	28
11	Multiple finger propagation modes in Hele-Shaw channels of variable depth. <i>Journal of Fluid Mechanics</i> , 2014, 746, 123-164.	1.4	26
12	Sensitivity of Saffman-Taylor fingers to channel-depth perturbations. <i>Journal of Fluid Mechanics</i> , 2016, 794, 343-368.	1.4	24
13	The reopening of a collapsed fluid-filled elastic tube. <i>Journal of Fluid Mechanics</i> , 2007, 572, 287-310.	1.4	23
14	Viscous fingering and dendritic growth under an elastic membrane. <i>Journal of Fluid Mechanics</i> , 2017, 826, .	1.4	18
15	Anomalous bubble propagation in elastic tubes. <i>Physics of Fluids</i> , 2008, 20, .	1.6	17
16	Extreme Deformation of Capsules and Bubbles Flowing through a Localised Constriction. <i>Procedia IUTAM</i> , 2015, 16, 22-32.	1.2	17
17	Reopening modes of a collapsed elasto-rigid channel. <i>Journal of Fluid Mechanics</i> , 2017, 819, 121-146.	1.4	15
18	Ribbon curling via stress relaxation in thin polymer films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1719-1724.	3.3	13

#	ARTICLE	IF	CITATIONS
19	The trapping and release of bubbles from a linear pore. <i>Journal of Fluid Mechanics</i> , 2013, 722, 437-460.	1.4	12
20	Viscous drops on a layer of the same fluid: from sinking, wedging and spreading to their long-time evolution. <i>Journal of Fluid Mechanics</i> , 2018, 843, 1-28.	1.4	12
21	Deformation and sorting of capsules in a T-junction. <i>Journal of Fluid Mechanics</i> , 2020, 885, .	1.4	12
22	Bubble propagation in Hele-Shaw channels with centred constrictions. <i>Fluid Dynamics Research</i> , 2018, 50, 021403.	0.6	11
23	Bubble transitions in strongly collapsed elastic tubes. <i>Journal of Fluid Mechanics</i> , 2009, 633, 485-507.	1.4	10
24	Sequential deposition of microdroplets on patterned surfaces. <i>Soft Matter</i> , 2018, 14, 8709-8716.	1.2	9
25	The life and fate of a bubble in a geometrically perturbed Hele-Shaw channel. <i>Journal of Fluid Mechanics</i> , 2021, 914, .	1.4	9
26	Fluidisation of yield stress fluids under vibration. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2021, 294, 104595.	1.0	9
27	Fluctuations and Pinch-Offs Observed in Viscous Fingering. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	8
28	From elastic deformation to flow in tempered chocolate. <i>Journal of Rheology</i> , 2018, 62, 1187-1195.	1.3	8
29	Flow-induced choking of a compliant Hele-Shaw cell. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30228-30233.	3.3	8
30	Oscillatory transverse instability of interfacial waves in horizontally oscillating flows. <i>Physics of Fluids</i> , 2012, 24, 044104.	1.6	7
31	Bubble propagation on a rail: a concept for sorting bubbles by size. <i>Soft Matter</i> , 2017, 13, 8684-8697.	1.2	7
32	Sorting of capsules according to their stiffness: from principle to application. <i>Soft Matter</i> , 2021, 17, 3722-3732.	1.2	7
33	Self-assembly of coated microdroplets at the sudden expansion of a microchannel. <i>Microfluidics and Nanofluidics</i> , 2021, 25, 1.	1.0	7
34	The engulfment of aqueous droplets on perfectly wetting oil layers. <i>Journal of Fluid Mechanics</i> , 2021, 915, .	1.4	6
35	Dynamics and friction losses of the flow of yield-stress fluids through 90° pipe bends. <i>Chemical Engineering Science</i> , 2022, 251, 117484.	1.9	6
36	POLED displays: Robust printing of pixels. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	5

#	ARTICLE	IF	CITATIONS
37	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
38	Modelling finger propagation in elasto-rigid channels. Journal of Fluid Mechanics, 2021, 916, .	1.4	5
39	Dynamics of front propagation in a compliant channel. Journal of Fluid Mechanics, 2020, 886, .	1.4	4
40	Micro-haemodynamics at the maternalâ€fetal interface: Experimental, theoretical and clinical perspectives. Current Opinion in Biomedical Engineering, 2022, 22, 100387.	1.8	4
41	Trapping and escape of viscous fingers in a soft Hele-Shaw cell. Physical Review Fluids, 2022, 7, .	1.0	3
42	Fluidisation of yield stress fluids under vibration. , 2022, 3, 100067.		3