

# Alban Sauret

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1376973/alban-sauret-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

1,221

citations

21

h-index

34

g-index

75

ext. papers

1,479

ext. citations

3.3

avg, IF

5.08

L-index

#	Paper	IF	Citations
67	Clogging of microfluidic systems. <i>Soft Matter</i> , <b>2016</b> , 13, 37-48	3.6	140
66	Syringe-pump-induced fluctuation in all-aqueous microfluidic system implications for flow rate accuracy. <i>Lab on A Chip</i> , <b>2014</b> , 14, 744-9	7.2	102
65	Forced generation of simple and double emulsions in all-aqueous systems. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 154106	3.4	79
64	All-aqueous multiphase microfluidics. <i>Biomicrofluidics</i> , <b>2013</b> , 7, 61301	3.2	77
63	Experimental and numerical study of mean zonal flows generated by librations of a rotating spherical cavity. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 662, 260-268	3.7	50
62	Elliptical instability in hot Jupiter systems. <i>Icarus</i> , <b>2013</b> , 226, 1642-1653	3.8	49
61	Clogging by sieving in microchannels: Application to the detection of contaminants in colloidal suspensions. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 074101	3.4	45
60	Drop impact on a flexible fiber. <i>Soft Matter</i> , <b>2016</b> , 12, 200-8	3.6	41
59	Tsunami generated by a granular collapse down a rough inclined plane. <i>Europhysics Letters</i> , <b>2014</b> , 105, 34004	1.6	36
58	Fluid flows in a librating cylinder. <i>Physics of Fluids</i> , <b>2012</b> , 24, 026603	4.4	36
57	Drop impact dynamics on slippery liquid-infused porous surfaces: influence of oil thickness. <i>Soft Matter</i> , <b>2018</b> , 14, 1100-1107	3.6	34
56	Fluctuation-induced dynamics of multiphase liquid jets with ultra-low interfacial tension. <i>Lab on A Chip</i> , <b>2012</b> , 12, 3380-6	7.2	34
55	Damping of liquid sloshing by foams. <i>Physics of Fluids</i> , <b>2015</b> , 27, 022103	4.4	33
54	Dip-coating of suspensions. <i>Soft Matter</i> , <b>2019</b> , 15, 252-261	3.6	32
53	Libration-induced mean flow in a spherical shell. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 718, 181-209	3.7	29
52	Granular collapse into water: toward tsunami landslides. <i>Journal of Visualization</i> , <b>2013</b> , 16, 189-191	1.6	27
51	Wetting of crossed fibers: Multiple steady states and symmetry breaking. <i>Europhysics Letters</i> , <b>2014</b> , 105, 56006	1.6	25

50	Growth of clogs in parallel microchannels. <i>Physical Review Fluids</i> , <b>2018</b> , 3,	2.8	24
49	Experimental study of libration-driven zonal flows in non-axisymmetric containers. <i>Physics of the Earth and Planetary Interiors</i> , <b>2012</b> , 204-205, 1-10	2.3	23
48	Tide-driven shear instability in planetary liquid cores. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 6078-6083	4.9	22
47	Spontaneous generation of inertial waves from boundary turbulence in a librating sphere. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 728,	3.7	21
46	Corrugated interfaces in multiphase core-annular flow. <i>Physics of Fluids</i> , <b>2010</b> , 22, 082002	4.4	20
45	Wetting morphologies on an array of fibers of different radii. <i>Soft Matter</i> , <b>2015</b> , 11, 4034-40	3.6	19
44	Beating the Jetting Regime. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , <b>2012</b> , 13,	1.8	19
43	Pulsatile Flow in Microfluidic Systems. <i>Small</i> , <b>2020</b> , 16, e1904032	11	18
42	Wetting morphologies on randomly oriented fibers. <i>European Physical Journal E</i> , <b>2015</b> , 38, 62	1.5	15
41	Mechanical tuning of the evaporation rate of liquid on crossed fibers. <i>Langmuir</i> , <b>2015</b> , 31, 3094-100	4	13
40	Capillary filtering of particles during dip coating. <i>Physical Review Fluids</i> , <b>2019</b> , 4,	2.8	13
39	Spreading and fragmentation of particle-laden liquid sheets. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	13
38	Experimental investigation of tsunami waves generated by granular collapse into water. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 907,	3.7	12
37	Capillary Sorting of Particles by Dip Coating. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	11
36	Accretion Dynamics on Wet Granular Materials. <i>Physical Review Letters</i> , <b>2017</b> , 118, 208001	7.4	10
35	Tunable transport of drops on a vibrating inclined fiber. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 181604	3.4	9
34	Air entrainment and granular bubbles generated by a jet of grains entering water. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 574, 285-292	9.3	8
33	Experimental study of wave generation by a granular collapse. <i>EPJ Web of Conferences</i> , <b>2017</b> , 140, 14007.3	7.3	8

32	Drop morphologies on flexible fibers: influence of elastocapillary effects. <i>Soft Matter</i> , <b>2016</b> , 13, 134-140	3.6	8
31	Entrainment of particles during the withdrawal of a fibre from a dilute suspension. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 903,	3.7	8
30	Cooperative effects induced by intruders evolving through a granular medium. <i>Europhysics Letters</i> , <b>2018</b> , 121, 34005	1.6	7
29	Competitive dynamics of two erosion patterns around a cylinder. <i>Physical Review Fluids</i> , <b>2018</b> , 3,	2.8	6
28	Damping of liquid sloshing by foams: from everyday observations to liquid transport. <i>Journal of Visualization</i> , <b>2015</b> , 18, 269-271	1.6	5
27	Bulldozing of granular material. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 748, 143-174	3.7	5
26	Resuspension threshold of a granular bed by localized heating. <i>Physical Review E</i> , <b>2017</b> , 96, 032903	2.4	4
25	Droplet detachment and pinch-off of bidisperse particulate suspensions. <i>Soft Matter</i> , <b>2021</b> , 17, 6202-6216	3.6	4
24	Reorganization of a granular medium around a localized transformation. <i>Physical Review E</i> , <b>2016</b> , 93, 062904	2.4	3
23	Facile Control of Liquid-Rope Coiling With Tunable Electric Field Configuration. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	3
22	Deposition of a particle-laden film on the inner wall of a tube. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	3
21	Pinch-off of viscoelastic particulate suspensions. <i>Physical Review Fluids</i> , <b>2021</b> , 6,	2.8	3
20	Tsunami Waves Generated by Cliff Collapse: Comparison Between Experiments and Triphasic Simulations <b>2016</b> , 173-190		2
19	Clog mitigation in a microfluidic array pulsatile flows.. <i>Soft Matter</i> , <b>2022</b> ,	3.6	2
18	Mean zonal flows induced by weak mechanical forcings in rotating spheroids. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 916,	3.7	2
17	Nonlinear regimes of tsunami waves generated by a granular collapse. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 919,	3.7	2
16	Mean zonal flow generated by azimuthal harmonic forcing in a rotating cylinder. <i>Fluid Dynamics Research</i> , <b>2015</b> , 47, 035506	1.2	1
15	Erosion et accr�on de mat�riaux granulaires humides <b>2020</b> , 17-22	0.1	1

14	Effects of particle size on the electrocoalescence dynamics and arrested morphology of liquid marbles. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 1094-1104	9.3	1
13	Falling jet of dry granular material in water. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 916,	3.7	1
12	From laboratory experiments to geophysical tsunamis generated by subaerial landslides. <i>Scientific Reports</i> , <b>2021</b> , 11, 18437	4.9	1
11	Dip coating of bidisperse particulate suspensions. <i>Journal of Fluid Mechanics</i> , <b>2022</b> , 936,	3.7	1
10	The onset of heterogeneity in the pinch-off of suspension drops.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2120893119	11.5	1
9	Collapse dynamics of dry granular columns: From free-fall to quasistatic flow.. <i>Physical Review E</i> , <b>2021</b> , 104, 064904	2.4	0
8	Influence of the size of the intruder on the reorganization of a 2D granular medium. <i>Granular Matter</i> , <b>2019</b> , 21, 1	2.6	
7	Blending liquid into a flowing dry granular material. <i>EPJ Web of Conferences</i> , <b>2017</b> , 140, 09011	0.3	
6	Transformation around intruders in granular media. <i>EPJ Web of Conferences</i> , <b>2017</b> , 140, 03077	0.3	
5	Erosion patterns on a granular bed around a vertical cylinder. <i>EPJ Web of Conferences</i> , <b>2017</b> , 140, 09008	0.3	
4	An experimental study on particle effects in liquid sheets. <i>EPJ Web of Conferences</i> , <b>2017</b> , 140, 09012	0.3	
3	On water waves generated by gravity driven granular collapse. <i>EPJ Web of Conferences</i> , <b>2021</b> , 249, 09011	0.3	
2	Erosion of a cohesive granular material by an impinging turbulent jet. <i>EPJ Web of Conferences</i> , <b>2021</b> , 249, 08011	0.3	
1	Wet rolling stones: Growth of a granular aggregate under flow. <i>EPJ Web of Conferences</i> , <b>2021</b> , 249, 09012	0.3	