Alban Sauret

List of Publications by Year in Descending Order

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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	Clog mitigation in a microfluidic array pulsatile flows.. *Soft Matter*, **2022**,	3.6	2
66	Effects of particle size on the electrocoalescence dynamics and arrested morphology of liquid marbles. *Journal of Colloid and Interface Science*, **2022**, 608, 1094-1104	9.3	1
65	Dip coating of bidisperse particulate suspensions. *Journal of Fluid Mechanics*, **2022**, 936,	3.7	1
64	The onset of heterogeneity in the pinch-off of suspension drops.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2120893119	11.5	1
63	Collapse dynamics of dry granular columns: From free-fall to quasistatic flow.. *Physical Review E*, **2021**, 104, 064904	2.4	0
62	Falling jet of dry granular material in water. *Journal of Fluid Mechanics*, **2021**, 916,	3.7	1
61	Mean zonal flows induced by weak mechanical forcings in rotating spheroids. *Journal of Fluid Mechanics*, **2021**, 916,	3.7	2
60	Nonlinear regimes of tsunami waves generated by a granular collapse. *Journal of Fluid Mechanics*, **2021**, 919,	3.7	2
59	Pinch-off of viscoelastic particulate suspensions. *Physical Review Fluids*, **2021**, 6,	2.8	3
58	Experimental investigation of tsunami waves generated by granular collapse into water. *Journal of Fluid Mechanics*, **2021**, 907,	3.7	12
57	On water waves generated by gravity driven granular collapse. *EPJ Web of Conferences*, **2021**, 249, 09011	0.3	
56	Erosion of a cohesive granular material by an impinging turbulent jet. *EPJ Web of Conferences*, **2021**, 249, 08011	0.3	
55	From laboratory experiments to geophysical tsunamis generated by subaerial landslides. *Scientific Reports*, **2021**, 11, 18437	4.9	1
54	Wet rolling stones: Growth of a granular aggregate under flow. *EPJ Web of Conferences*, **2021**, 249, 09012	0.3	
53	Droplet detachment and pinch-off of bidisperse particulate suspensions. *Soft Matter*, **2021**, 17, 6202-6216	3.4	4
52	Air entrainment and granular bubbles generated by a jet of grains entering water. *Journal of Colloid and Interface Science*, **2020**, 574, 285-292	9.3	8
51	Spreading and fragmentation of particle-laden liquid sheets. *Physical Review Fluids*, **2020**, 5,	2.8	13

50	Deposition of a particle-laden film on the inner wall of a tube. *Physical Review Fluids*, **2020**, 5,	2.8	3
49	Erosion et accrétion de matériaux granulaires humides **2020**, 17-22	0.1	1
48	Pulsatile Flow in Microfluidic Systems. *Small*, **2020**, 16, e1904032	11	18
47	Entrainment of particles during the withdrawal of a fibre from a dilute suspension. *Journal of Fluid Mechanics*, **2020**, 903,	3.7	8
46	Influence of the size of the intruder on the reorganization of a 2D granular medium. *Granular Matter*, **2019**, 21, 1	2.6	
45	Dip-coating of suspensions. *Soft Matter*, **2019**, 15, 252-261	3.6	32
44	Capillary Sorting of Particles by Dip Coating. *Physical Review Applied*, **2019**, 12,	4.3	11
43	Facile Control of Liquid-Rope Coiling With Tunable Electric Field Configuration. *Physical Review Applied*, **2019**, 12,	4.3	3
42	Capillary filtering of particles during dip coating. *Physical Review Fluids*, **2019**, 4,	2.8	13
41	Cooperative effects induced by intruders evolving through a granular medium. *Europhysics Letters*, **2018**, 121, 34005	1.6	7
40	Drop impact dynamics on slippery liquid-infused porous surfaces: influence of oil thickness. *Soft Matter*, **2018**, 14, 1100-1107	3.6	34
39	Competitive dynamics of two erosion patterns around a cylinder. *Physical Review Fluids*, **2018**, 3,	2.8	6
38	Growth of clogs in parallel microchannels. *Physical Review Fluids*, **2018**, 3,	2.8	24
37	Blending liquid into a flowing dry granular material. *EPJ Web of Conferences*, **2017**, 140, 09011	0.3	
36	Transformation around intruders in granular media. *EPJ Web of Conferences*, **2017**, 140, 03077	0.3	
35	Erosion patterns on a granular bed around a vertical cylinder. *EPJ Web of Conferences*, **2017**, 140, 09008	0.3	
34	An experimental study on particle effects in liquid sheets. *EPJ Web of Conferences*, **2017**, 140, 09012	0.3	
33	Resuspension threshold of a granular bed by localized heating. *Physical Review E*, **2017**, 96, 032903	2.4	4

32	Experimental study of wave generation by a granular collapse. *EPJ Web of Conferences*, **2017**, 140, 14007	0.3	8
31	Accretion Dynamics on Wet Granular Materials. *Physical Review Letters*, **2017**, 118, 208001	7.4	10
30	Drop impact on a flexible fiber. *Soft Matter*, **2016**, 12, 200-8	3.6	41
29	Reorganization of a granular medium around a localized transformation. *Physical Review E*, **2016**, 93, 062904	2.4	3
28	Tsunami Waves Generated by Cliff Collapse: Comparison Between Experiments and Triphasic Simulations **2016**, 173-190		2
27	Drop morphologies on flexible fibers: influence of elastocapillary effects. *Soft Matter*, **2016**, 13, 134-140	3.6	8
26	Clogging of microfluidic systems. *Soft Matter*, **2016**, 13, 37-48	3.6	140
25	Damping of liquid sloshing by foams. *Physics of Fluids*, **2015**, 27, 022103	4.4	33
24	Damping of liquid sloshing by foams: from everyday observations to liquid transport. *Journal of Visualization*, **2015**, 18, 269-271	1.6	5
23	Wetting morphologies on an array of fibers of different radii. *Soft Matter*, **2015**, 11, 4034-40	3.6	19
22	Wetting morphologies on randomly oriented fibers. *European Physical Journal E*, **2015**, 38, 62	1.5	15
21	Mechanical tuning of the evaporation rate of liquid on crossed fibers. *Langmuir*, **2015**, 31, 3094-100	4	13
20	Tunable transport of drops on a vibrating inclined fiber. *Applied Physics Letters*, **2015**, 107, 181604	3.4	9
19	Mean zonal flow generated by azimuthal harmonic forcing in a rotating cylinder. *Fluid Dynamics Research*, **2015**, 47, 035506	1.2	1
18	Syringe-pump-induced fluctuation in all-aqueous microfluidic system implications for flow rate accuracy. *Lab on A Chip*, **2014**, 14, 744-9	7.2	102
17	Tide-driven shear instability in planetary liquid cores. *Geophysical Research Letters*, **2014**, 41, 6078-6083	4.9	22
16	Bulldozing of granular material. *Journal of Fluid Mechanics*, **2014**, 748, 143-174	3.7	5
15	Tsunami generated by a granular collapse down a rough inclined plane. *Europhysics Letters*, **2014**, 105, 34004	1.6	36

14	Clogging by sieving in microchannels: Application to the detection of contaminants in colloidal suspensions. *Applied Physics Letters*, **2014**, 105, 074101	3.4	45
13	Wetting of crossed fibers: Multiple steady states and symmetry breaking. *Europhysics Letters*, **2014**, 105, 56006	1.6	25
12	Granular collapse into water: toward tsunami landslides. *Journal of Visualization*, **2013**, 16, 189-191	1.6	27
11	All-aqueous multiphase microfluidics. *Biomicrofluidics*, **2013**, 7, 61301	3.2	77
10	Libration-induced mean flow in a spherical shell. *Journal of Fluid Mechanics*, **2013**, 718, 181-209	3.7	29
9	Elliptical instability in hot Jupiter systems. *Icarus*, **2013**, 226, 1642-1653	3.8	49
8	Spontaneous generation of inertial waves from boundary turbulence in a librating sphere. *Journal of Fluid Mechanics*, **2013**, 728,	3.7	21
7	Fluctuation-induced dynamics of multiphase liquid jets with ultra-low interfacial tension. *Lab on A Chip*, **2012**, 12, 3380-6	7.2	34
6	Experimental study of libration-driven zonal flows in non-axisymmetric containers. *Physics of the Earth and Planetary Interiors*, **2012**, 204-205, 1-10	2.3	23
5	Fluid flows in a librating cylinder. *Physics of Fluids*, **2012**, 24, 026603	4.4	36
4	Beating the Jetting Regime. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2012**, 13,	1.8	19
3	Forced generation of simple and double emulsions in all-aqueous systems. *Applied Physics Letters*, **2012**, 100, 154106	3.4	79
2	Corrugated interfaces in multiphase core-annular flow. *Physics of Fluids*, **2010**, 22, 082002	4.4	20
1	Experimental and numerical study of mean zonal flows generated by librations of a rotating spherical cavity. *Journal of Fluid Mechanics*, **2010**, 662, 260-268	3.7	50