Ivo R Peters

List of Publications by Year
in descending order

28 papers	1,186 citations	430874 18 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	1226 citing authors

#	Article	IF	Citations
1	Direct observation of dynamic shear jamming in dense suspensions. Nature, 2016, 532, 214-217.	27.8	249
2	Maximal Air Bubble Entrainment at Liquid-Drop Impact. Physical Review Letters, 2012, 109, 264501.	7.8	172
3	High-speed ultrasound imaging in dense suspensions reveals impact-activated solidification due to dynamic shear jamming. Nature Communications, 2016, 7, 12243.	12.8	74
4	Supersonic Air Flow due to Solid-Liquid Impact. Physical Review Letters, 2010, 104, 024501.	7.8	64
5	Highly focused supersonic microjets: numerical simulations. Journal of Fluid Mechanics, 2013, 719, 587-605.	3.4	62
6	Highly Focused Supersonic Microjets. Physical Review X, 2012, 2, .	8.9	51
7	Bubble collapse and jet formation in corner geometries. Physical Review Fluids, 2018, 3, .	2.5	50
8	Receding contact lines: From sliding drops to immersion lithography. European Physical Journal: Special Topics, 2011, 192, 195-205.	2.6	45
9	Oscillating and star-shaped drops levitated by an airflow. Physical Review E, 2013, 88, 023017.	2.1	45
10	Splash wave and crown breakup after disc impact on a liquid surface. Journal of Fluid Mechanics, 2013, 724, 553-580.	3.4	42
11	Collapse and pinch-off of a non-axisymmetric impact-created air cavity in water. Journal of Fluid Mechanics, 2012, 701, 40-58.	3.4	37
12	Quasi-2D dynamic jamming in cornstarch suspensions: visualization and force measurements. Soft Matter, 2014, 10, 6564-6570.	2.7	37
13	Splashing Onset in Dense Suspension Droplets. Physical Review Letters, 2013, 111, 028301.	7.8	31
14	Shear fronts in shear-thickening suspensions. Physical Review Fluids, 2018, 3, .	2.5	31
15	Coexistence of Two Singularities in Dewetting Flows: Regularizing the Corner Tip. Physical Review Letters, 2009, 103, 114501.	7.8	29
16	Dynamic jamming of icebergâ€choked fjords. Geophysical Research Letters, 2015, 42, 1122-1129.	4.0	28
17	Dynamic shear jamming in dense granular suspensions under extension. Physical Review E, 2017, 95, 012603.	2.1	28
18	Cavity collapse near slot geometries. Journal of Fluid Mechanics, 2020, 901, .	3.4	23

#	Article	IF	Citations
19	Jet direction in bubble collapse within rectangular and triangular channels. Physical Review E, 2019, 100, 063105.	2.1	16
20	Volume entrained in the wake of a disk intruding into an oil-water interface. Physical Review Fluids, 2016, 1, .	2.5	14
21	From splashing to bouncing: The influence of viscosity on the impact of suspension droplets on a solid surface. Physical Review E, 2016, 93, 062609.	2.1	12
22	Air flow in a collapsing cavity. Physics of Fluids, 2013, 25, .	4.0	9
23	3D calcite heterostructures for dynamic and deformable mineralized matrices. Nature Communications, 2017, 8, 509.	12.8	7
24	Getting jammed in all directions: Dynamic shear jamming around a cylinder towed through a dense suspension. Physical Review Fluids, 2021, 6, .	2.5	7
25	Lasting effects of discontinuous shear thickening in cornstarch suspensions upon flow cessation. Physical Review Fluids, 2022, 7, .	2.5	4
26	Fast Imaging Technique to Study Drop Impact Dynamics of Non-Newtonian Fluids. Journal of Visualized Experiments, 2014, , .	0.3	1
27	Characterizing the surface texture of a dense suspension undergoing dynamic jamming. Experiments in Fluids, 2021, 62, 1.	2.4	0
28	Collision of dynamic jamming fronts in a dense suspension. Physical Review Fluids, 2021, 6, .	2.5	0