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	Lasting effects of discontinuous shear thickening in cornstarch suspensions upon flow cessation. Physical Review Fluids, 2022, 7, .	2.5	4
2	Getting jammed in all directions: Dynamic shear jamming around a cylinder towed through a dense suspension. Physical Review Fluids, 2021, 6, .	2.5	7
3	Characterizing the surface texture of a dense suspension undergoing dynamic jamming. Experiments in Fluids, 2021, 62, 1.	2.4	0
4	Collision of dynamic jamming fronts in a dense suspension. Physical Review Fluids, 2021, 6, .	2.5	0
5	Cavity collapse near slot geometries. Journal of Fluid Mechanics, 2020, 901, .	3.4	23
6	Jet direction in bubble collapse within rectangular and triangular channels. Physical Review E, 2019, 100, 063105.	2.1	16
7	Shear fronts in shear-thickening suspensions. Physical Review Fluids, 2018, 3, .	2.5	31
8	Bubble collapse and jet formation in corner geometries. Physical Review Fluids, 2018, 3, .	2.5	50
9	Dynamic shear jamming in dense granular suspensions under extension. Physical Review E, 2017, 95, 012603.	2.1	28
10	3D calcite heterostructures for dynamic and deformable mineralized matrices. Nature Communications, 2017, 8, 509.	12.8	7
11	High-speed ultrasound imaging in dense suspensions reveals impact-activated solidification due to dynamic shear jamming. Nature Communications, 2016, 7, 12243.	12.8	74
12	Direct observation of dynamic shear jamming in dense suspensions. Nature, 2016, 532, 214-217.	27.8	249
13	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
14	Volume entrained in the wake of a disk intruding into an oil-water interface. Physical Review Fluids, 2016, 1, .	2.5	14
15	Dynamic jamming of icebergâ€choked fjords. Geophysical Research Letters, 2015, 42, 1122-1129.	4.0	28
16	Quasi-2D dynamic jamming in cornstarch suspensions: visualization and force measurements. Soft Matter, 2014, 10, 6564-6570.	2.7	37
17	Fast Imaging Technique to Study Drop Impact Dynamics of Non-Newtonian Fluids. Journal of Visualized Experiments, 2014, , .	0.3	1
18	Splashing Onset in Dense Suspension Droplets. Physical Review Letters, 2013, 111, 028301.	7.8	31

#	Article	IF	Citations
19	Oscillating and star-shaped drops levitated by an airflow. Physical Review E, 2013, 88, 023017.	2.1	45
20	Air flow in a collapsing cavity. Physics of Fluids, 2013, 25, .	4.0	9
21	Highly focused supersonic microjets: numerical simulations. Journal of Fluid Mechanics, 2013, 719, 587-605.	3.4	62
22	Splash wave and crown breakup after disc impact on a liquid surface. Journal of Fluid Mechanics, 2013, 724, 553-580.	3.4	42
23	Highly Focused Supersonic Microjets. Physical Review X, 2012, 2, .	8.9	51
24	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
25	Maximal Air Bubble Entrainment at Liquid-Drop Impact. Physical Review Letters, 2012, 109, 264501.	7.8	172
26	Receding contact lines: From sliding drops to immersion lithography. European Physical Journal: Special Topics, 2011, 192, 195-205.	2.6	45
27	Supersonic Air Flow due to Solid-Liquid Impact. Physical Review Letters, 2010, 104, 024501.	7.8	64
28	Coexistence of Two Singularities in Dewetting Flows: Regularizing the Corner Tip. Physical Review Letters, 2009, 103, 114501.	7.8	29