

# Wiebke Drenckhan

## List of Publications by Citations

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66

papers

2,223

citations

28

h-index

46

g-index

71

ext. papers

2,518

ext. citations

4.9

avg, IF

5.14

L-index

#	Paper	IF	Citations
66	Unusually stable liquid foams. <i>Advances in Colloid and Interface Science</i> , <b>2014</b> , 205, 74-86	14.3	168
65	Particle-stabilised foams: an interfacial study. <i>Soft Matter</i> , <b>2009</b> , 5, 2215	3.6	161
64	The science of foaming. <i>Advances in Colloid and Interface Science</i> , <b>2015</b> , 222, 228-59	14.3	127
63	Foams stabilised by mixtures of nanoparticles and oppositely charged surfactants: relationship between bubble shrinkage and foam coarsening. <i>Soft Matter</i> , <b>2014</b> , 10, 6975-83	3.6	107
62	On the origin of the stability of foams made from cationic surfactant mixtures. <i>Soft Matter</i> , <b>2011</b> , 7, 6557	3.6	99
61	On the long-term stability of foams stabilised by mixtures of nano-particles and oppositely charged short chain surfactants. <i>Soft Matter</i> , <b>2012</b> , 8, 11085	3.6	97
60	Rheology of ordered foams – the way to Discrete Microfluidics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2005</b> , 263, 52-64	5.1	91
59	Structure and energy of liquid foams. <i>Advances in Colloid and Interface Science</i> , <b>2015</b> , 224, 1-16	14.3	83
58	Monodisperse foams in one to three dimensions. <i>Current Opinion in Colloid and Interface Science</i> , <b>2010</b> , 15, 341-358	7.6	81
57	Highly Structured Foams from Chitosan Gels. <i>Macromolecules</i> , <b>2010</b> , 43, 6166-6173	5.5	61
56	The fluid dynamics of foams. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, S65-S73	1.8	60
55	Liquid dispersions under gravity: volume fraction profile and osmotic pressure. <i>Soft Matter</i> , <b>2013</b> , 9, 2531-6	3.6	59
54	The crystal structure of bubbles in the wet foam limit. <i>Soft Matter</i> , <b>2006</b> , 2, 129-134	3.6	58
53	Protocol for Studying Aqueous Foams Stabilized by Surfactant Mixtures. <i>Journal of Surfactants and Detergents</i> , <b>2013</b> , 16, 1-12	1.9	47
52	Synthesis of macroporous polystyrene by the polymerization of foamed emulsions. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2213-7	16.4	46
51	How the Locus of Initiation Influences the Morphology and the Pore Connectivity of a Monodisperse Polymer Foam. <i>Macromolecules</i> , <b>2016</b> , 49, 5059-5067	5.5	44
50	Monodisperse Polystyrene Foams via Microfluidics – A Novel Templating Route. <i>Advanced Engineering Materials</i> , <b>2015</b> , 17, 604-609	3.5	43

49	Highly structured porous solids from liquid foam templates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2009</b> , 346, 5-10	5.1	43
48	Simulating and interpreting images of foams with computational ray-tracing techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 309, 159-176	5.1	41
47	Wall slip of bubbles in foams. <i>Physics of Fluids</i> , <b>2006</b> , 18, 053101	4.4	39
46	Packing spheres tightly: influence of mechanical stability on close-packed sphere structures. <i>Physical Review Letters</i> , <b>2012</b> , 108, 148302	7.4	35
45	Adsorption, organization, and rheology of cationic layers at the air/water interface. <i>Langmuir</i> , <b>2013</b> , 29, 3214-22	4	32
44	Structure and dynamics of confined foams: a review of recent progress. <i>Advances in Colloid and Interface Science</i> , <b>2008</b> , 137, 20-6	14.3	32
43	Crystalline arrangements of microbubbles in monodisperse foams. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 309, 117-124	5.1	31
42	On how surfactant depletion during foam generation influences foam properties. <i>Langmuir</i> , <b>2012</b> , 28, 9303-10	4	29
41	Generation of porous solids with well-controlled morphologies by combining foaming and flow chemistry on a Lab-on-a-Chip. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 413, 17-24	5.1	29
40	Generation and manipulation of bubbles and foams stabilised by magnetic nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 384, 408-416	5.1	28
39	Life and death of not so "bare" bubbles. <i>Soft Matter</i> , <b>2016</b> , 12, 5276-84	3.6	28
38	Highly ordered biobased scaffolds: From liquid to solid foams. <i>Polymer</i> , <b>2017</b> , 126, 425-431	3.9	27
37	A simple technique for the automation of bubble size measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 473, 68-74	5.1	27
36	Generation of Crystalline Polyurethane Foams Using Millifluidic Lab-on-a-Chip Technologies. <i>Advanced Engineering Materials</i> , <b>2013</b> , 15, 1086-1098	3.5	26
35	The foam/emulsion analogy in structure and drainage. <i>European Physical Journal E</i> , <b>2004</b> , 14, 381-6	1.5	25
34	Coalescence In Draining Foams Made of Very Small Bubbles. <i>Physical Review Letters</i> , <b>2016</b> , 116, 128302	7.4	24
33	Bubble size control and measurement in the generation of ferrofluid foams. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 10078-10083	2.5	24
32	Generation of Silicone Poly-HIPes with Controlled Pore Sizes via Reactive Emulsion Stabilization. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 1527-32	4.8	21

31	The demonstration of conformal maps with two-dimensional foams. <i>European Journal of Physics</i> , <b>2004</b> , 25, 429-438	0.8	19
30	Acoustic characterisation of liquid foams with an impedance tube. <i>European Physical Journal E</i> , <b>2013</b> , 36, 113	1.5	18
29	Fluid dynamics of rivulet flow between plates. <i>Physics of Fluids</i> , <b>2007</b> , 19, 102101	4.4	16
28	The surface tells it all: relationship between volume and surface fraction of liquid dispersions. <i>Soft Matter</i> , <b>2016</b> , 12, 8025-8029	3.6	15
27	Generation of superstable, monodisperse microbubbles using a pH-driven assembly of surface-active particles. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5245-7	16.4	15
26	Wave patterns of a rivulet of surfactant solution in a Hele-Shaw cell. <i>Physics of Fluids</i> , <b>2004</b> , 16, 3115-3124	4.4	15
25	Magnetic soap films and magnetic soap foams. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2005</b> , 263, 65-75	5.1	15
24	Creating Honeycomb Structures in Porous Polymers by Osmotic Transport. <i>ChemPhysChem</i> , <b>2017</b> , 18, 451-454	3.2	13
23	Taking Plateau into Microgravity: The Formation of an Eightfold Vertex in a System of Soap Films. <i>Microgravity Science and Technology</i> , <b>2008</b> , 20, 17-22	1.6	13
22	Interfacial tension of reactive, liquid interfaces and its consequences. <i>Advances in Colloid and Interface Science</i> , <b>2017</b> , 247, 185-197	14.3	12
21	Arresting bubble coarsening: A two-bubble experiment to investigate grain growth in the presence of surface elasticity. <i>Europhysics Letters</i> , <b>2016</b> , 116, 46005	1.6	12
20	Soap films under large-amplitude oscillations. <i>Philosophical Magazine Letters</i> , <b>2008</b> , 88, 669-677	1	11
19	The optimal tap: three-dimensional nozzle design. <i>Journal Physics D: Applied Physics</i> , <b>2005</b> , 38, 3382-3386	6	11
18	A novel pyrene-based fluorescing amphiphile with unusual bulk and interfacial properties. <i>ChemPhysChem</i> , <b>2011</b> , 12, 150-60	3.2	8
17	A simple collision model for small bubbles. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 124005	1.8	7
16	Shaping complex fluids: How foams stand up for themselves. <i>Journal of Rheology</i> , <b>2013</b> , 57, 333-348	4.1	7
15	Elastic properties of solid material with various arrangements of spherical voids. <i>European Journal of Mechanics, A/Solids</i> , <b>2016</b> , 59, 252-264	3.7	6
14	Juggling bubbles in square capillaries: an experimental proof of non-pairwise bubble interactions. <i>Soft Matter</i> , <b>2019</b> , 15, 4570-4582	3.6	5

13	Microfluidic thin film pressure balance for the study of complex thin films. <i>Lab on A Chip</i> , <b>2021</b> , 21, 412-420	5
12	Structuring Solid Surfaces with Bubble Coatings . <i>Advanced Engineering Materials</i> , <b>2017</b> , 19, 1600534	3.5 4
11	An FFT approach to the analysis of dynamic properties of gas/liquid interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 473, 11-17	5.1 4
10	Beam model for the elastic properties of material with spherical voids. <i>Archive of Applied Mechanics</i> , <b>2016</b> , 86, 165-176	2.2 4
9	Electrical conductivity of quasi-two-dimensional foams. <i>Physical Review E</i> , <b>2015</b> , 91, 042301	2.4 3
8	Skinny emulsions take on granular matter. <i>Soft Matter</i> , <b>2018</b> , 14, 7310-7323	3.6 3
7	Stable Freestanding Thin Films of Copolymer Melts Far from the Glass Transition. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 1144-1148	6.6 2
6	The Acoustics of Liquid Foams. <i>Current Opinion in Colloid and Interface Science</i> , <b>2020</b> , 50, 101391	7.6 2
5	The relative energy of fcc and hcp foams. <i>Philosophical Magazine Letters</i> , <b>2015</b> , 95, 319-323	1 1
4	Pressure-deformation relations of elasto-capillary drops (droploons) on capillaries. <i>Soft Matter</i> , <b>2021</b> , 17, 9131-9153	3.6 1
3	Investigating pore-opening in hydrogel foams at the scale of free-standing thin films.. <i>Macromolecular Rapid Communications</i> , <b>2022</b> , e2200189	4.8 0
2	Bubble crawling in dublin. <i>Mathematical Intelligencer</i> , <b>2006</b> , 28, 39-43	0.2
1	The Rheology of Foams100-105	