

David Qur

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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.

109
papers

14,844
citations

47
h-index

117
g-index

117
ext. papers

16,451
ext. citations

9.2
avg, IF

7.09
L-index

#	Paper	IF	Citations
109	Superhydrophobic states. <i>Nature Materials</i> , 2003 , 2, 457-60	27	2579
108	Wetting of textured surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002 , 206, 41-46	5.1	1053
107	Non-sticking drops. <i>Reports on Progress in Physics</i> , 2005 , 68, 2495-2532	14.4	988
106	Liquid marbles. <i>Nature</i> , 2001 , 411, 924-7	50.4	828
105	Contact time of a bouncing drop. <i>Nature</i> , 2002 , 417, 811	50.4	729
104	On water repellency. <i>Soft Matter</i> , 2005 , 1, 55	3.6	656
103	Maximal deformation of an impacting drop. <i>Journal of Fluid Mechanics</i> , 2004 , 517, 199-208	3.7	637
102	Rough ideas on wetting. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 313, 32-46	3.3	424
101	Leidenfrost drops. <i>Physics of Fluids</i> , 2003 , 15, 1632	4.4	377
100	FLUID COATING ON A FIBER. <i>Annual Review of Fluid Mechanics</i> , 1999 , 31, 347-384	22	363
99	Delayed freezing on water repellent materials. <i>Langmuir</i> , 2009 , 25, 7214-6	4	356
98	Drops on a conical wire. <i>Journal of Fluid Mechanics</i> , 2004 , 510, 29-45	3.7	330
97	Leidenfrost Dynamics. <i>Annual Review of Fluid Mechanics</i> , 2013 , 45, 197-215	22	329
96	Surface tension transport of prey by feeding shorebirds: the capillary ratchet. <i>Science</i> , 2008 , 320, 931-4	33.3	312
95	Spreading of nonvolatile liquids in a continuum picture. <i>Langmuir</i> , 1991 , 7, 335-338	4	301
94	Leidenfrost on a ratchet. <i>Nature Physics</i> , 2011 , 7, 395-398	16.2	245
93	Water impacting on superhydrophobic macrotextures. <i>Nature Communications</i> , 2015 , 6, 8001	17.4	225

92	Antifogging abilities of model nanotextures. <i>Nature Materials</i> , 2017 , 16, 658-663	27	195
91	On the elasticity of an inertial liquid shock. <i>Journal of Fluid Mechanics</i> , 2006 , 554, 47	3.7	180
90	Bioinspired Ribbed Nanoneedles with Robust Superhydrophobicity. <i>Advanced Functional Materials</i> , 2010 , 20, 656-662	15.6	165
89	Contact angle hysteresis generated by strong dilute defects. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 3906-9	3.4	153
88	Drops at Rest on a Tilted Plane. <i>Langmuir</i> , 1998 , 14, 2213-2216	4	148
87	Self-removal of condensed water on the legs of water striders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9247-52	11.5	141
86	Non-adhesive lotus and other hydrophobic materials. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008 , 366, 1539-56	3	127
85	A universal law for capillary rise in corners. <i>Journal of Fluid Mechanics</i> , 2011 , 666, 146-154	3.7	126
84	Dynamical superhydrophobicity. <i>Faraday Discussions</i> , 2010 , 146, 19-33; discussion 79-101, 395-401	3.6	123
83	Self-propelling slugs. <i>Journal of Fluid Mechanics</i> , 2002 , 467, 101-127	3.7	107
82	Capturing drops with a thin fiber. <i>Journal of Colloid and Interface Science</i> , 2004 , 279, 192-7	9.3	103
81	Leidenfrost wheels. <i>Nature Physics</i> , 2018 , 14, 1188-1192	16.2	94
80	Imbibition of a Fabric. <i>Journal of Colloid and Interface Science</i> , 1995 , 173, 319-327	9.3	88
79	Rise of liquids and bubbles in angular capillary tubes. <i>Journal of Colloid and Interface Science</i> , 2002 , 247, 162-6	9.3	81
78	From coffee rings to coffee eyes. <i>Soft Matter</i> , 2015 , 11, 4669-73	3.6	78
77	The force of impacting rain. <i>Soft Matter</i> , 2014 , 10, 4929-34	3.6	73
76	Drop friction on liquid-infused materials. <i>Soft Matter</i> , 2017 , 13, 6981-6987	3.6	73
75	Onset of menisci. <i>Journal of Fluid Mechanics</i> , 2002 , 460, 131-149	3.7	73

74	Rebounds in a Capillary Tube. <i>Langmuir</i> , 1999 , 15, 3679-3682	4	70
73	Tip-induced flipping of droplets on Janus pillars: From local reconfiguration to global transport. <i>Science Advances</i> , 2020 , 6, eabb4540	14.3	69
72	Monostable superrepellent materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3387-3392	11.5	67
71	Coating of a textured solid. <i>Journal of Fluid Mechanics</i> , 2011 , 669, 55-63	3.7	61
70	Falling Slugs. <i>Journal of Colloid and Interface Science</i> , 2001 , 243, 262-264	9.3	58
69	Thickening Factor in Marangoni Coating. <i>Langmuir</i> , 1997 , 13, 2911-2916	4	56
68	Inertial coating of a fibre. <i>Journal of Fluid Mechanics</i> , 1996 , 311, 219	3.7	52
67	Trapping leidenfrost drops with crenulations. <i>Physical Review Letters</i> , 2011 , 107, 114503	7.4	50
66	Fluid Coating from a Polymer Solution. <i>Langmuir</i> , 1998 , 14, 1911-1914	4	48
65	Water ring-bouncing on repellent singularities. <i>Soft Matter</i> , 2018 , 14, 2227-2233	3.6	44
64	Propulsion on a superhydrophobic ratchet. <i>Scientific Reports</i> , 2014 , 4, 5280	4.9	42
63	Air entrainment by a viscous jet plunging into a bath. <i>Physical Review Letters</i> , 2004 , 93, 254501	7.4	40
62	The meniscus on a fibre. <i>Advances in Colloid and Interface Science</i> , 1994 , 48, 141-150	14.3	39
61	Fracture of a viscous liquid. <i>Physical Review Letters</i> , 2003 , 90, 184501	7.4	37
60	Wetting of fibers : theory and experiments. <i>Revue De Physique Appliquée</i> , 1988 , 23, 1023-1030		36
59	Self-propelling uneven Leidenfrost solids. <i>Physics of Fluids</i> , 2013 , 25, 051704	4.4	35
58	Propulsion mechanisms for Leidenfrost solids on ratchets. <i>Physical Review E</i> , 2013 , 87, 021001	2.4	35
57	Drops impacting a sieve. <i>Journal of Colloid and Interface Science</i> , 2003 , 263, 244-9	9.3	34

56	A laboratory model of splash-form tektites. <i>Meteoritics and Planetary Science</i> , 2003 , 38, 1331-1340	2.8	34
55	The cold Leidenfrost regime. <i>Science Advances</i> , 2019 , 5, eaaw0304	14.3	33
54	Drops impacting inclined fibers. <i>Journal of Colloid and Interface Science</i> , 2009 , 334, 70-4	9.3	33
53	How merging droplets jump off a superhydrophobic surface: Measurements and model. <i>Physical Review Fluids</i> , 2017 , 2,	2.8	33
52	On the Landau-Levich transition. <i>Langmuir</i> , 2007 , 23, 10116-22	4	32
51	Droplet fragmentation using a mesh. <i>Physical Review Fluids</i> , 2018 , 3,	2.8	31
50	Particles accelerate the detachment of viscous liquids. <i>Rheologica Acta</i> , 2013 , 52, 403-412	2.3	30
49	The effects of gravity on the capillary instability in tubes. <i>Journal of Fluid Mechanics</i> , 2006 , 556, 217	3.7	30
48	Superhydrophobic frictions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8220-8223	11.5	29
47	Gravity and Inertia Effects in Plate Coating. <i>Journal of Colloid and Interface Science</i> , 1998 , 203, 278-85	9.3	29
46	Spreading of Bubbles after Contacting the Lower Side of an Aerophilic Slide Immersed in Water. <i>Physical Review Letters</i> , 2016 , 117, 094501	7.4	27
45	Magnetic control of Leidenfrost drops. <i>Physical Review E</i> , 2012 , 85, 056311	2.4	25
44	On a tweezer for droplets. <i>Advances in Colloid and Interface Science</i> , 2010 , 161, 10-4	14.3	23
43	Two recipes for repelling hot water. <i>Nature Communications</i> , 2019 , 10, 1410	17.4	22
42	Universality of friction laws on liquid-infused materials. <i>Physical Review Fluids</i> , 2020 , 5,	2.8	22
41	Wave drag on floating bodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 15064-8	11.5	21
40	Formation of soap films from polymer solutions. <i>Langmuir</i> , 1992 , 8, 3161-3167	4	20
39	On the shape of giant soap bubbles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 2515-2519	11.5	18

38	Inertial collapse of liquid rings. <i>Journal of Fluid Mechanics</i> , 2013 , 717,	3.7	18
37	Inhibiting the Leidenfrost effect above 1,000 °C for sustained thermal cooling.. <i>Nature</i> , 2022 , 601, 568-572.	5.4	18
36	Capillary muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6301-6	11.5	16
35	Detergency in a tube. <i>Soft Matter</i> , 2011 , 7, 7498	3.6	15
34	Capillary extraction. <i>Langmuir</i> , 2011 , 27, 9396-402	4	13
33	Soft, elastic, water-repellent materials. <i>Applied Physics Letters</i> , 2017 , 110, 251605	3.4	12
32	Shuttlecock dynamics. <i>Procedia Engineering</i> , 2012 , 34, 176-181		12
31	Bouncing Bubbles 2007 , 83, 897-906		12
30	Ballistics of self-jumping microdroplets. <i>Physical Review Fluids</i> , 2019 , 4,	2.8	12
29	Drop trampoline. <i>Europhysics Letters</i> , 2018 , 124, 24003	1.6	12
28	The dual role of viscosity in capillary rise. <i>Soft Matter</i> , 2019 , 15, 2757-2761	3.6	11
27	Superhydrophobic surfaces: Leidenfrost becomes a fakir. <i>Nature Materials</i> , 2012 , 11, 915-6	27	11
26	Flexible scraping of viscous fluids. <i>Journal of Fluid Mechanics</i> , 2013 , 715, 424-435	3.7	9
25	Friction properties of superhydrophobic ridges. <i>Journal of Fluid Mechanics</i> , 2020 , 890,	3.7	8
24	Explosions at the water surface. <i>Journal of Fluid Mechanics</i> , 2014 , 752, 123-139	3.7	8
23	Strongly metastable assemblies of particles at liquid interfaces. <i>Langmuir</i> , 2014 , 30, 14712-6	4	7
22	Air-levitated platelets: from take off to motion. <i>Journal of Fluid Mechanics</i> , 2017 , 814, 535-546	3.7	6
21	Football curves. <i>Journal of Fluids and Structures</i> , 2011 , 27, 659-667	3.1	6

20	Viscous bouncing. <i>Soft Matter</i> , 2020 , 16, 7270-7273	3.6	5
19	Vita brevis of antibubbles. <i>Europhysics News</i> , 2006 , 37, 24-25	0.2	5
18	Unique and universal dew-repellency of nanocones. <i>Nature Communications</i> , 2021 , 12, 3458	17.4	5
17	Shooting in a foam. <i>Soft Matter</i> , 2014 , 10, 6696-704	3.6	4
16	Successive instabilities of confined Leidenfrost puddles. <i>Europhysics Letters</i> , 2015 , 112, 26002	1.6	4
15	Self-excitation of Leidenfrost drops and consequences on their stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
14	Capillary descent. <i>Soft Matter</i> , 2018 , 14, 5364-5368	3.6	4
13	Self-propelling droplets on fibres subject to a crosswind. <i>Nature Physics</i> , 2019 , 15, 1027-1032	16.2	3
12	Liquid filmification from menisci. <i>Europhysics Letters</i> , 2015 , 112, 16002	1.6	3
11	Water colliding with oil. <i>Journal of Fluid Mechanics</i> , 2012 , 702, 1-4	3.7	3
10	Self-similar etching. <i>Journal of Colloid and Interface Science</i> , 2004 , 270, 247-9	9.3	3
9	Droplets impaling on a cone. <i>Physical Review Fluids</i> , 2020 , 5,	2.8	3
8	Tightrope bubbles. <i>Applied Physics Letters</i> , 2019 , 114, 233704	3.4	2
7	Symmetry breaking in Leidenfrost flows. <i>Physical Review Fluids</i> , 2018 , 3,	2.8	2
6	Air-propelled, herringbone-textured platelets. <i>Physical Review Fluids</i> , 2018 , 3,	2.8	2
5	Droplet hurdles race. <i>Applied Physics Letters</i> , 2021 , 118, 171601	3.4	2
4	Path instabilities of streamlined bodies. <i>Journal of Fluid Mechanics</i> , 2019 , 864, 286-302	3.7	1
3	Suck-Back Impact on Fluid Behavior at Filling Needle Tip. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 1123-1129	3.9	1

2 Thermophobic Leidenfrost. *Soft Matter*, **2021**, 17, 8805-8809

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