

## List of Publications by Citations

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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.

158 papers	5,756 citations	47 h-index	70 g-index
171 ext. papers	6,887 ext. citations	5.2 avg, IF	6.12 L-index

#	Paper	IF	Citations
158	Drop impact on superheated surfaces. <i>Physical Review Letters</i> , <b>2012</b> , 108, 036101	7.4	293
157	High Reynolds Number Taylor-Couette Turbulence. <i>Annual Review of Fluid Mechanics</i> , <b>2016</b> , 48, 53-80	22	186
156	Droplet impact on superheated micro-structured surfaces. <i>Soft Matter</i> , <b>2013</b> , 9, 3272	3.6	166
155	Toward 3D Printing of Pure Metals by Laser-Induced Forward Transfer. <i>Advanced Materials</i> , <b>2015</b> , 27, 4087-92	24	154
154	Maximal air bubble entrainment at liquid-drop impact. <i>Physical Review Letters</i> , <b>2012</b> , 109, 264501	7.4	139
153	On the spreading of impacting drops. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 805, 636-655	3.7	139
152	Control of slippage with tunable bubble mattresses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 8422-6	11.5	133
151	Flow reversals in thermally driven turbulence. <i>Physical Review Letters</i> , <b>2010</b> , 105, 034503	7.4	128
150	Dynamics of high-speed micro-drop impact: numerical simulations and experiments at frame-to-frame times below 100 ns. <i>Soft Matter</i> , <b>2015</b> , 11, 1708-22	3.6	127
149	Dynamic Leidenfrost Effect: Relevant Time and Length Scales. <i>Physical Review Letters</i> , <b>2016</b> , 116, 064501	7.4	109
148	Direct measurements of air layer profiles under impacting droplets using high-speed color interferometry. <i>Physical Review E</i> , <b>2012</b> , 85, 026315	2.4	103
147	Particle image velocimetry measurement of the velocity field in turbulent thermal convection. <i>Physical Review E</i> , <b>2003</b> , 68, 066303	2.4	99
146	Torque scaling in turbulent Taylor-Couette flow with co- and counterrotating cylinders. <i>Physical Review Letters</i> , <b>2011</b> , 106, 024502	7.4	95
145	Three-dimensional flow structures and dynamics of turbulent thermal convection in a cylindrical cell. <i>Physical Review E</i> , <b>2005</b> , 72, 026302	2.4	95
144	Air entrainment during impact of droplets on liquid surfaces. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 726,	3.7	93
143	On bubble clustering and energy spectra in pseudo-turbulence. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 650, 287-306	3.7	88
142	Formation of surface nanodroplets under controlled flow conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 9253-7	11.5	85

141	Multiple states in highly turbulent Taylor-Couette flow. <i>Nature Communications</i> , <b>2014</b> , 5, 3820	17.4	83
140	Heat transport by turbulent Rayleigh-B�ard convection in 1 m diameter cylindrical cells of widely varying aspect ratio. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 542, 165	3.7	82
139	Azimuthal symmetry, flow dynamics, and heat transport in turbulent thermal convection in a cylinder with an aspect ratio of 0.5. <i>Physical Review Letters</i> , <b>2005</b> , 95, 074502	7.4	82
138	Morphological evolution of thermal plumes in turbulent Rayleigh-B�ard convection. <i>Physical Review Letters</i> , <b>2007</b> , 98, 074501	7.4	77
137	Experimental studies of the viscous boundary layer properties in turbulent Rayleigh-B�ard convection. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 605, 79-113	3.7	76
136	Optimizing cell viability in droplet-based cell deposition. <i>Scientific Reports</i> , <b>2015</b> , 5, 11304	4.9	72
135	Phase diagram for droplet impact on superheated surfaces. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 779,	3.7	72
134	Needle-free injection into skin and soft matter with highly focused microjets. <i>Lab on A Chip</i> , <b>2013</b> , 13, 1357-63	7.2	67
133	Cascades of velocity and temperature fluctuations in buoyancy-driven thermal turbulence. <i>Physical Review Letters</i> , <b>2006</b> , 97, 144504	7.4	67
132	The Leidenfrost temperature increase for impacting droplets on carbon-nanofiber surfaces. <i>Soft Matter</i> , <b>2014</b> , 10, 2102-9	3.6	63
131	Fingering patterns during droplet impact on heated surfaces. <i>Soft Matter</i> , <b>2015</b> , 11, 3298-303	3.6	63
130	Three-dimensional Lagrangian Voronoi analysis for clustering of particles and bubbles in turbulence. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 693, 201-215	3.7	63
129	Ultimate turbulent Taylor-Couette flow. <i>Physical Review Letters</i> , <b>2012</b> , 108, 024501	7.4	62
128	Optimal Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 706, 118-149	3.7	61
127	Fast Dynamics of Water Droplets Freezing from the Outside In. <i>Physical Review Letters</i> , <b>2017</b> , 118, 084101	7.4	60
126	The importance of bubble deformability for strong drag reduction in bubbly turbulent Taylor-Couette flow. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 722, 317-347	3.7	59
125	Oscillations of the large-scale circulation in turbulent Rayleigh-B�ard convection: the sloshing mode and its relationship with the torsional mode. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 630, 367-390	3.7	58
124	Microdroplet impact at very high velocity. <i>Soft Matter</i> , <b>2012</b> , 8, 10732	3.6	56

123	Crystal Nucleation by Laser-Induced Cavitation. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 2311-2316	3.5	55
122	Vapour cooling of poorly conducting hot substrates increases the dynamic Leidenfrost temperature. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 97, 101-109	4.9	54
121	Drop Shaping by Laser-Pulse Impact. <i>Physical Review Applied</i> , <b>2015</b> , 3,	4.3	52
120	How surface roughness reduces heat transport for small roughness heights in turbulent Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 836,	3.7	51
119	Surface nanobubbles nucleate microdroplets. <i>Physical Review Letters</i> , <b>2014</b> , 112, 144503	7.4	51
118	Energy spectra and bubble velocity distributions in pseudo-turbulence: Numerical simulations vs. experiments. <i>International Journal of Multiphase Flow</i> , <b>2011</b> , 37, 1093-1098	3.6	51
117	The Twente turbulent Taylor-Couette (T3C) facility: strongly turbulent (multiphase) flow between two independently rotating cylinders. <i>Review of Scientific Instruments</i> , <b>2011</b> , 82, 025105	1.7	51
116	Bubble Drag Reduction Requires Large Bubbles. <i>Physical Review Letters</i> , <b>2016</b> , 117, 104502	7.4	50
115	Optimal Taylor-Couette flow: radius ratio dependence. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 747, 1-29	3.7	49
114	Highly focused supersonic microjets: numerical simulations. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 719, 587-605	7.7	48
113	Statistics of kinetic and thermal energy dissipation rates in two-dimensional turbulent Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 814, 165-184	3.7	47
112	The quasi-static growth of CO <sub>2</sub> bubbles. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 741,	3.7	47
111	The role of Stewartson and Ekman layers in turbulent rotating Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 688, 422-442	3.7	47
110	Printing Functional 3D Microdevices by Laser-Induced Forward Transfer. <i>Small</i> , <b>2017</b> , 13, 1602553	11	46
109	Drop fragmentation at impact onto a bath of an immiscible liquid. <i>Physical Review Letters</i> , <b>2013</b> , 110, 264503	7.4	44
108	Angular momentum transport and turbulence in laboratory models of Keplerian flows. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 547, A64	5.1	43
107	Logarithmic boundary layers in strong Taylor-Couette turbulence. <i>Physical Review Letters</i> , <b>2013</b> , 110, 264501	7.4	42
106	Growth and collapse of a vapour bubble in a microtube: the role of thermal effects. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 632, 5-16	3.7	42

105	Bubbly and Buoyant Particle Laden Turbulent Flows. <i>Annual Review of Condensed Matter Physics</i> , <b>2020</b> , 11, 529-559	19.7	41
104	Energy spectra in turbulent bubbly flows. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 791, 174-190	3.7	41
103	Growing bubbles in a slightly supersaturated liquid solution. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 065111	1.7	39
102	Microbubbles and Microparticles are Not Faithful Tracers of Turbulent Acceleration. <i>Physical Review Letters</i> , <b>2016</b> , 117, 024501	7.4	37
101	Highly Focused Supersonic Microjets. <i>Physical Review X</i> , <b>2012</b> , 2,	9.1	37
100	Wake-Driven Dynamics of Finite-Sized Buoyant Spheres in Turbulence. <i>Physical Review Letters</i> , <b>2015</b> , 115, 124501	7.4	36
99	Experimental investigation of homogeneity, isotropy, and circulation of the velocity field in buoyancy-driven turbulence. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 598, 361-372	3.7	36
98	Scaling of the Reynolds number in turbulent thermal convection. <i>Physical Review E</i> , <b>2005</b> , 72, 067302	2.4	36
97	Bouncing drop on liquid film: Dynamics of interfacial gas layer. <i>Physics of Fluids</i> , <b>2019</b> , 31, 013304	4.4	34
96	Vibration-induced boundary-layer destabilization achieves massive heat-transport enhancement. <i>Science Advances</i> , <b>2020</b> , 6, eaaz8239	14.3	33
95	Ejection Regimes in Picosecond Laser-Induced Forward Transfer of Metals. <i>Physical Review Applied</i> , <b>2015</b> , 3,	4.3	32
94	Experimental investigation of the turbulence induced by a bubble swarm rising within incident turbulence. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 825, 1091-1112	3.7	30
93	Lagrangian single-particle turbulent statistics through the Hilbert-Huang transform. <i>Physical Review E</i> , <b>2013</b> , 87, 041003	2.4	30
92	Wall roughness induces asymptotic ultimate turbulence. <i>Nature Physics</i> , <b>2018</b> , 14, 417-423	16.2	28
91	Hemodynamic comparison of stent configurations used for aortoiliac occlusive disease. <i>Journal of Vascular Surgery</i> , <b>2017</b> , 66, 251-260.e1	3.5	28
90	Controlling Heat Transport and Flow Structures in Thermal Turbulence Using Ratchet Surfaces. <i>Physical Review Letters</i> , <b>2018</b> , 120, 044501	7.4	26
89	Bouncing-to-Merging Transition in Drop Impact on Liquid Film: Role of Liquid Viscosity. <i>Langmuir</i> , <b>2018</b> , 34, 2654-2662	4	26
88	How microstructures affect air film dynamics prior to drop impact. <i>Soft Matter</i> , <b>2014</b> , 10, 3703-7	3.6	26

87	Lagrangian statistics of light particles in turbulence. <i>Physics of Fluids</i> , <b>2012</b> , 24, 055106	4.4	26
86	Final fate of a Leidenfrost droplet: Explosion or takeoff. <i>Science Advances</i> , <b>2019</b> , 5, eaav8081	14.3	24
85	Levitation of a drop over a moving surface. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 733,	3.7	23
84	Leidenfrost drops cooling surfaces: theory and interferometric measurement. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 827, 614-639	3.7	23
83	Exploring the phase space of multiple states in highly turbulent Taylor-Couette flow. <i>Physical Review Fluids</i> , <b>2016</b> , 1,	2.8	23
82	Nonmonotonic response of drop impacting on liquid film: mechanism and scaling. <i>Soft Matter</i> , <b>2016</b> , 12, 4521-9	3.6	23
81	How gravity and size affect the acceleration statistics of bubbles in turbulence. <i>New Journal of Physics</i> , <b>2012</b> , 14, 105017	2.9	22
80	Flutter to tumble transition of buoyant spheres triggered by rotational inertia changes. <i>Nature Communications</i> , <b>2018</b> , 9, 1792	17.4	21
79	Applying laser Doppler anemometry inside a Taylor-Couette geometry using a ray-tracer to correct for curvature effects. <i>European Journal of Mechanics, B/Fluids</i> , <b>2012</b> , 36, 115-119	2.4	21
78	Measuring thin films using quantitative frustrated total internal reflection (FTIR). <i>European Physical Journal E</i> , <b>2017</b> , 40, 54	1.5	20
77	Velocity profiles in strongly turbulent Taylor-Couette flow. <i>Physics of Fluids</i> , <b>2014</b> , 26, 025114	4.4	20
76	Translational and rotational dynamics of a large buoyant sphere in turbulence. <i>Experiments in Fluids</i> , <b>2016</b> , 57, 1	2.5	18
75	Measured oscillations of the velocity and temperature fields in turbulent Rayleigh-Bénard convection in a rectangular cell. <i>Physical Review E</i> , <b>2007</b> , 76, 036301	2.4	18
74	Urban Land Development for Industrial and Commercial Use: A Case Study of Beijing. <i>Sustainability</i> , <b>2016</b> , 8, 1323	3.6	18
73	Dispersion of Air Bubbles in Isotropic Turbulence. <i>Physical Review Letters</i> , <b>2018</b> , 121, 054501	7.4	17
72	Experimental investigation of heat transport in homogeneous bubbly flow. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 845, 226-244	3.7	17
71	Salinity transfer in bounded double diffusive convection. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 768, 476-491	3.7	17
70	Spatial distribution of heat flux and fluctuations in turbulent Rayleigh-Bénard convection. <i>Physical Review E</i> , <b>2012</b> , 86, 056315	2.4	17

69	Self-sustained biphasic catalytic particle turbulence. <i>Nature Communications</i> , <b>2019</b> , 10, 3333	17.4	15
68	Heat-flux enhancement by vapour-bubble nucleation in Rayleigh-Bénard turbulence. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 787, 331-366	3.7	15
67	Imaging of the Ejection Process of Nanosecond Laser-induced forward Transfer of Gold. <i>Journal of Laser Micro Nanoengineering</i> , <b>2015</b> , 10, 154-157	1	14
66	How bulk nanobubbles are stable over a wide range of temperatures. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 596, 184-198	9.3	14
65	Deactivation of microbubble nucleation sites by alcohol-water exchange. <i>Langmuir</i> , <b>2013</b> , 29, 9979-84	4	13
64	Mass and Moment of Inertia Govern the Transition in the Dynamics and Wakes of Freely Rising and Falling Cylinders. <i>Physical Review Letters</i> , <b>2017</b> , 119, 054501	7.4	13
63	The clustering morphology of freely rising deformable bubbles. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 721,	3.7	13
62	Drag and lift forces on a counter-rotating cylinder in rotating flow. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 664, 150-173	3.7	12
61	Boiling regimes of impacting drops on a heated substrate under reduced pressure. <i>Physical Review Fluids</i> , <b>2018</b> , 3,	2.8	12
60	From Rayleigh-Bénard convection to porous-media convection: how porosity affects heat transfer and flow structure. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 895,	3.7	11
59	Taylor-Couette turbulence at radius ratio : scaling, flow structures and plumes. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 799, 334-351	3.7	11
58	Origin of spray formation during impact on heated surfaces. <i>Soft Matter</i> , <b>2017</b> , 13, 7514-7520	3.6	11
57	Robustness of heat transfer in confined inclined convection at high Prandtl number. <i>Physical Review E</i> , <b>2019</b> , 99, 013108	2.4	10
56	Turbulent Rayleigh-Bénard convection in an annular cell. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 869,	3.7	10
55	Air cavities at the inner cylinder of turbulent Taylor-Couette flow. <i>International Journal of Multiphase Flow</i> , <b>2018</b> , 105, 264-273	3.6	10
54	Wall forces on a sphere in a rotating liquid-filled cylinder. <i>Physics of Fluids</i> , <b>2013</b> , 25, 063302	4.4	10
53	Quantifying cell adhesion through impingement of a controlled microjet. <i>Biophysical Journal</i> , <b>2015</b> , 108, 23-31	2.9	10
52	Experimental techniques for turbulent Taylor-Couette flow and Rayleigh-Bénard convection. <i>Nonlinearity</i> , <b>2014</b> , 27, R89-R121	1.7	10

51	Multi-point local temperature measurements inside the conducting plates in turbulent thermal convection. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 570, 479-489	3.7	10
50	Mixing induced by a bubble swarm rising through incident turbulence. <i>International Journal of Multiphase Flow</i> , <b>2019</b> , 114, 316-322	3.6	9
49	Turbulence strength in ultimate Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 836, 397-413	3.7	9
48	Azimuthal velocity profiles in Rayleigh-stable Taylor-Couette flow and implied axial angular momentum transport. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 774, 342-362	3.7	9
47	Supergravitational turbulent thermal convection. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	9
46	Anisotropic particles in two-dimensional convective turbulence. <i>Physics of Fluids</i> , <b>2020</b> , 32, 023305	4.4	8
45	Statistical characterization of thermal plumes in turbulent thermal convection. <i>Physical Review Fluids</i> , <b>2016</b> , 1,	2.8	8
44	Experimental investigation of heat transport in inhomogeneous bubbly flow. <i>Chemical Engineering Science</i> , <b>2019</b> , 198, 260-267	4.4	8
43	Periodically driven Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 846, 834-845	3.7	8
42	Electric field makes Leidenfrost droplets take a leap. <i>Soft Matter</i> , <b>2016</b> , 12, 9622-9632	3.6	7
41	Spreading and oscillation dynamics of drop impacting liquid film. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 881, 859-871	3.7	7
40	Statistics of turbulent fluctuations in counter-rotating Taylor-Couette flows. <i>Physical Review E</i> , <b>2013</b> , 88, 063001	2.4	7
39	Bubbly drag reduction using a hydrophobic inner cylinder in Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 883,	3.7	7
38	Kinematics and dynamics of freely rising spheroids at high Reynolds numbers. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 912,	3.7	7
37	Rotation of anisotropic particles in Rayleigh-Bénard turbulence. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 901,	3.7	6
36	Global and local statistics in turbulent emulsions. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 912,	3.7	6
35	3D spherical-cap fitting procedure for (truncated) sessile nano- and micro-droplets & -bubbles. <i>European Physical Journal E</i> , <b>2016</b> , 39, 106	1.5	5
34	The influence of wall roughness on bubble drag reduction in Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 851, 436-446	3.7	5

33	Finite-sized rigid spheres in turbulent Taylor-Couette flow: effect on the overall drag. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 850, 246-261	3.7	5
32	Convective heat transfer along ratchet surfaces in vertical natural convection. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 873, 1055-1071	3.7	5
31	Dynamics of bouncing-versus-merging response in jet collision. <i>Physical Review E</i> , <b>2015</b> , 92, 023024	2.4	5
30	The boiling Twente Taylor-Couette (BTTC) facility: Temperature controlled turbulent flow between independently rotating, coaxial cylinders. <i>Review of Scientific Instruments</i> , <b>2015</b> , 86, 065108	1.7	5
29	Tribonucleation of bubbles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10089-94	11.5	5
28	Statistics of rigid fibers in strongly sheared turbulence. <i>Physical Review Fluids</i> , <b>2019</b> , 4,	2.8	5
27	Vapour-bubble nucleation and dynamics in turbulent Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 795, 60-95	3.7	5
26	Water entry of spheres into a rotating liquid. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 912,	3.7	5
25	Ion adsorption stabilizes bulk nanobubbles. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 606, 1380-1394	4.3	5
24	Statistics, plumes and azimuthally travelling waves in ultimate Taylor-Couette turbulent vortices. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 876, 733-765	3.7	4
23	Onset of fully compressible convection in a rapidly rotating spherical shell. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 873, 1090-1115	3.7	4
22	3D Printing: Toward 3D Printing of Pure Metals by Laser-Induced Forward Transfer (Adv. Mater. 27/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 4103-4103	24	4
21	Controlling secondary flow in Taylor-Couette turbulence through spanwise-varying roughness. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 883,	3.7	4
20	Leidenfrost drop impact on inclined superheated substrates. <i>Physics of Fluids</i> , <b>2020</b> , 32, 112113	4.4	4
19	A hybrid VOF-IBM method for the simulation of freezing liquid films and freezing drops. <i>Journal of Computational Physics</i> , <b>2021</b> , 432, 110160	4.1	4
18	On explosive boiling of a multicomponent Leidenfrost drop. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
17	Experimental study of the heat transfer properties of self-sustained biphasic thermally driven turbulence. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 152, 119515	4.9	3
16	Self-similar decay of high Reynolds number Taylor-Couette turbulence. <i>Physical Review Fluids</i> , <b>2016</b> , 1,	2.8	3

15	Role of the large-scale structures in spanwise rotating plane Couette flow with multiple states. <i>Physical Review Fluids</i> , <b>2019</b> , 4,	2.8	3
14	How the growth of ice depends on the fluid dynamics underneath. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
13	Drag reduction in boiling Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 881, 104-118	3.7	3
12	Catastrophic Phase Inversion in High-Reynolds-Number Turbulent Taylor-Couette Flow. <i>Physical Review Letters</i> , <b>2021</b> , 126, 064501	7.4	3
11	Scaling of maximum probability density function of velocity increments in turbulent Rayleigh-B�ard convection. <i>Journal of Hydrodynamics</i> , <b>2014</b> , 26, 351-362	3.3	2
10	High-resolution imaging of ejection dynamics in laser-induced forward transfer <b>2014</b> ,		2
9	Statistics and Scaling of the Velocity Field in Turbulent Thermal Convection <b>2005</b> , 163-170		2
8	Coriolis effect on centrifugal buoyancy-driven convection in a thin cylindrical shell. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 910,	3.7	2
7	Twente mass and heat transfer water tunnel: Temperature controlled turbulent multiphase channel flow with heat and mass transfer. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 075117	1.7	1
6	Heat transfer and flow structure of two-dimensional thermal convection over ratchet surfaces. <i>Journal of Hydrodynamics</i> , <b>2021</b> , 33, 970-978	3.3	1
5	Large-scale flow and Reynolds numbers in the presence of boiling in locally heated turbulent convection. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	1
4	Effect of axially varying sandpaper roughness on bubbly drag reduction in Taylor-Couette turbulence. <i>International Journal of Multiphase Flow</i> , <b>2020</b> , 132, 103434	3.6	1
3	Rotational dynamics of bottom-heavy rods in turbulence from experiments and numerical simulations. <i>Theoretical and Applied Mechanics Letters</i> , <b>2021</b> , 11, 100227	1.8	1
2	Rough-wall turbulent Taylor-Couette flow: The effect of the rib height. <i>European Physical Journal E</i> , <b>2018</b> , 41, 125	1.5	1
1	Accumulation and alignment of elongated gyrotactic swimmers in turbulence. <i>Physics of Fluids</i> , <b>2022</b> , 34, 033303	4.4	0