

Chao Sun

List of Publications by Year in Descending Order

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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	Ion adsorption stabilizes bulk nanobubbles. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1380-1394	9.3	5
157	Accumulation and alignment of elongated gyrotactic swimmers in turbulence. <i>Physics of Fluids</i> , 2022 , 34, 033303	4.4	0
156	Heat transfer and flow structure of two-dimensional thermal convection over ratchet surfaces. <i>Journal of Hydrodynamics</i> , 2021 , 33, 970-978	3.3	1
155	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> , 2021 , 118,	11.5	3
154	A hybrid VOF-IBM method for the simulation of freezing liquid films and freezing drops. <i>Journal of Computational Physics</i> , 2021 , 432, 110160	4.1	4
153	On explosive boiling of a multicomponent Leidenfrost drop. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
152	Coriolis effect on centrifugal buoyancy-driven convection in a thin cylindrical shell. <i>Journal of Fluid Mechanics</i> , 2021 , 910,	3.7	2
151	Rotational dynamics of bottom-heavy rods in turbulence from experiments and numerical simulations. <i>Theoretical and Applied Mechanics Letters</i> , 2021 , 11, 100227	1.8	1
150	Kinematics and dynamics of freely rising spheroids at high Reynolds numbers. <i>Journal of Fluid Mechanics</i> , 2021 , 912,	3.7	7
149	Global and local statistics in turbulent emulsions. <i>Journal of Fluid Mechanics</i> , 2021 , 912,	3.7	6
148	Catastrophic Phase Inversion in High-Reynolds-Number Turbulent Taylor-Couette Flow. <i>Physical Review Letters</i> , 2021 , 126, 064501	7.4	3
147	Water entry of spheres into a rotating liquid. <i>Journal of Fluid Mechanics</i> , 2021 , 912,	3.7	5
146	How bulk nanobubbles are stable over a wide range of temperatures. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 184-198	9.3	14
145	From Rayleigh-Bénard convection to porous-media convection: how porosity affects heat transfer and flow structure. <i>Journal of Fluid Mechanics</i> , 2020 , 895,	3.7	11
144	Bubbly and Buoyant Particle-laden Turbulent Flows. <i>Annual Review of Condensed Matter Physics</i> , 2020 , 11, 529-559	19.7	41
143	Experimental study of the heat transfer properties of self-sustained biphasic thermally driven turbulence. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 152, 119515	4.9	3
142	Anisotropic particles in two-dimensional convective turbulence. <i>Physics of Fluids</i> , 2020 , 32, 023305	4.4	8

141	Vibration-induced boundary-layer destabilization achieves massive heat-transport enhancement. <i>Science Advances</i> , 2020 , 6, eaaz8239	14.3	33
140	Bubbly drag reduction using a hydrophobic inner cylinder in Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , 2020 , 883,	3.7	7
139	Controlling secondary flow in Taylor-Couette turbulence through spanwise-varying roughness. <i>Journal of Fluid Mechanics</i> , 2020 , 883,	3.7	4
138	Supergravitational turbulent thermal convection. <i>Science Advances</i> , 2020 , 6,	14.3	9
137	Effect of axially varying sandpaper roughness on bubbly drag reduction in Taylor-Couette turbulence. <i>International Journal of Multiphase Flow</i> , 2020 , 132, 103434	3.6	1
136	Leidenfrost drop impact on inclined superheated substrates. <i>Physics of Fluids</i> , 2020 , 32, 112113	4.4	4
135	Rotation of anisotropic particles in Rayleigh-Bénard turbulence. <i>Journal of Fluid Mechanics</i> , 2020 , 901,	3.7	6
134	Twente mass and heat transfer water tunnel: Temperature controlled turbulent multiphase channel flow with heat and mass transfer. <i>Review of Scientific Instruments</i> , 2019 , 90, 075117	1.7	1
133	Robustness of heat transfer in confined inclined convection at high Prandtl number. <i>Physical Review E</i> , 2019 , 99, 013108	2.4	10
132	Final fate of a Leidenfrost droplet: Explosion or takeoff. <i>Science Advances</i> , 2019 , 5, eaav8081	14.3	24
131	Turbulent Rayleigh-Bénard convection in an annular cell. <i>Journal of Fluid Mechanics</i> , 2019 , 869,	3.7	10
130	Mixing induced by a bubble swarm rising through incident turbulence. <i>International Journal of Multiphase Flow</i> , 2019 , 114, 316-322	3.6	9
129	Statistics, plumes and azimuthally travelling waves in ultimate Taylor-Couette turbulent vortices. <i>Journal of Fluid Mechanics</i> , 2019 , 876, 733-765	3.7	4
128	Self-sustained biphasic catalytic particle turbulence. <i>Nature Communications</i> , 2019 , 10, 3333	17.4	15
127	Onset of fully compressible convection in a rapidly rotating spherical shell. <i>Journal of Fluid Mechanics</i> , 2019 , 873, 1090-1115	3.7	4
126	Convective heat transfer along ratchet surfaces in vertical natural convection. <i>Journal of Fluid Mechanics</i> , 2019 , 873, 1055-1071	3.7	5
125	Spreading and oscillation dynamics of drop impacting liquid film. <i>Journal of Fluid Mechanics</i> , 2019 , 881, 859-871	3.7	7
124	Statistics of rigid fibers in strongly sheared turbulence. <i>Physical Review Fluids</i> , 2019 , 4,	2.8	5

123	Role of the large-scale structures in spanwise rotating plane Couette flow with multiple states. <i>Physical Review Fluids</i> , 2019 , 4,	2.8	3
122	Bouncing drop on liquid film: Dynamics of interfacial gas layer. <i>Physics of Fluids</i> , 2019 , 31, 013304	4.4	34
121	Drag reduction in boiling Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , 2019 , 881, 104-118	3.7	3
120	Experimental investigation of heat transport in inhomogeneous bubbly flow. <i>Chemical Engineering Science</i> , 2019 , 198, 260-267	4.4	8
119	Controlling Heat Transport and Flow Structures in Thermal Turbulence Using Ratchet Surfaces. <i>Physical Review Letters</i> , 2018 , 120, 044501	7.4	26
118	Turbulence strength in ultimate Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , 2018 , 836, 397-412	3.7	9
117	Wall roughness induces asymptotic ultimate turbulence. <i>Nature Physics</i> , 2018 , 14, 417-423	16.2	28
116	Bouncing-to-Merging Transition in Drop Impact on Liquid Film: Role of Liquid Viscosity. <i>Langmuir</i> , 2018 , 34, 2654-2662	4	26
115	How surface roughness reduces heat transport for small roughness heights in turbulent Rayleigh-Bard convection. <i>Journal of Fluid Mechanics</i> , 2018 , 836,	3.7	51
114	Air cavities at the inner cylinder of turbulent Taylor-Couette flow. <i>International Journal of Multiphase Flow</i> , 2018 , 105, 264-273	3.6	10
113	Dispersion of Air Bubbles in Isotropic Turbulence. <i>Physical Review Letters</i> , 2018 , 121, 054501	7.4	17
112	The influence of wall roughness on bubble drag reduction in Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , 2018 , 851, 436-446	3.7	5
111	Finite-sized rigid spheres in turbulent Taylor-Couette flow: effect on the overall drag. <i>Journal of Fluid Mechanics</i> , 2018 , 850, 246-261	3.7	5
110	Flutter to tumble transition of buoyant spheres triggered by rotational inertia changes. <i>Nature Communications</i> , 2018 , 9, 1792	17.4	21
109	Experimental investigation of heat transport in homogeneous bubbly flow. <i>Journal of Fluid Mechanics</i> , 2018 , 845, 226-244	3.7	17
108	Boiling regimes of impacting drops on a heated substrate under reduced pressure. <i>Physical Review Fluids</i> , 2018 , 3,	2.8	12
107	Rough-wall turbulent Taylor-Couette flow: The effect of the rib height. <i>European Physical Journal E</i> , 2018 , 41, 125	1.5	1
106	Periodically driven Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , 2018 , 846, 834-845	3.7	8

105	Fast Dynamics of Water Droplets Freezing from the Outside In. <i>Physical Review Letters</i> , 2017 , 118, 084101	7.4	60
104	Statistics of kinetic and thermal energy dissipation rates in two-dimensional turbulent Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , 2017 , 814, 165-184	3.7	47
103	Measuring thin films using quantitative frustrated total internal reflection (FTIR). <i>European Physical Journal E</i> , 2017 , 40, 54	1.5	20
102	Printing Functional 3D Microdevices by Laser-Induced Forward Transfer. <i>Small</i> , 2017 , 13, 1602553	11	46
101	Leidenfrost drops cooling surfaces: theory and interferometric measurement. <i>Journal of Fluid Mechanics</i> , 2017 , 827, 614-639	3.7	23
100	Experimental investigation of the turbulence induced by a bubble swarm rising within incident turbulence. <i>Journal of Fluid Mechanics</i> , 2017 , 825, 1091-1112	3.7	30
99	Origin of spray formation during impact on heated surfaces. <i>Soft Matter</i> , 2017 , 13, 7514-7520	3.6	11
98	Mass and Moment of Inertia Govern the Transition in the Dynamics and Wakes of Freely Rising and Falling Cylinders. <i>Physical Review Letters</i> , 2017 , 119, 054501	7.4	13
97	Hemodynamic comparison of stent configurations used for aortoiliac occlusive disease. <i>Journal of Vascular Surgery</i> , 2017 , 66, 251-260.e1	3.5	28
96	Large-scale flow and Reynolds numbers in the presence of boiling in locally heated turbulent convection. <i>Physical Review Fluids</i> , 2017 , 2,	2.8	1
95	Bubble Drag Reduction Requires Large Bubbles. <i>Physical Review Letters</i> , 2016 , 117, 104502	7.4	50
94	Dynamic Leidenfrost Effect: Relevant Time and Length Scales. <i>Physical Review Letters</i> , 2016 , 116, 064501	7.4	109
93	Microbubbles and Microparticles are Not Faithful Tracers of Turbulent Acceleration. <i>Physical Review Letters</i> , 2016 , 117, 024501	7.4	37
92	3D spherical-cap fitting procedure for (truncated) sessile nano- and micro-droplets & -bubbles. <i>European Physical Journal E</i> , 2016 , 39, 106	1.5	5
91	Electric field makes Leidenfrost droplets take a leap. <i>Soft Matter</i> , 2016 , 12, 9622-9632	3.6	7
90	Taylor-Couette turbulence at radius ratio : scaling, flow structures and plumes. <i>Journal of Fluid Mechanics</i> , 2016 , 799, 334-351	3.7	11
89	Translational and rotational dynamics of a large buoyant sphere in turbulence. <i>Experiments in Fluids</i> , 2016 , 57, 1	2.5	18
88	Vapour cooling of poorly conducting hot substrates increases the dynamic Leidenfrost temperature. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 97, 101-109	4.9	54

87	High Reynolds Number Taylor-Couette Turbulence. <i>Annual Review of Fluid Mechanics</i> , 2016 , 48, 53-80	2.2	186
86	Exploring the phase space of multiple states in highly turbulent Taylor-Couette flow. <i>Physical Review Fluids</i> , 2016 , 1,	2.8	23
85	Statistical characterization of thermal plumes in turbulent thermal convection. <i>Physical Review Fluids</i> , 2016 , 1,	2.8	8
84	Self-similar decay of high Reynolds number Taylor-Couette turbulence. <i>Physical Review Fluids</i> , 2016 , 1,	2.8	3
83	Urban Land Development for Industrial and Commercial Use: A Case Study of Beijing. <i>Sustainability</i> , 2016 , 8, 1323	3.6	18
82	On the spreading of impacting drops. <i>Journal of Fluid Mechanics</i> , 2016 , 805, 636-655	3.7	139
81	Heat-flux enhancement by vapour-bubble nucleation in Rayleigh-Bard turbulence. <i>Journal of Fluid Mechanics</i> , 2016 , 787, 331-366	3.7	15
80	Vapour-bubble nucleation and dynamics in turbulent Rayleigh-Bard convection. <i>Journal of Fluid Mechanics</i> , 2016 , 795, 60-95	3.7	5
79	Energy spectra in turbulent bubbly flows. <i>Journal of Fluid Mechanics</i> , 2016 , 791, 174-190	3.7	41
78	Nonmonotonic response of drop impacting on liquid film: mechanism and scaling. <i>Soft Matter</i> , 2016 , 12, 4521-9	3.6	23
77	Dynamics of high-speed micro-drop impact: numerical simulations and experiments at frame-to-frame times below 100 ns. <i>Soft Matter</i> , 2015 , 11, 1708-22	3.6	127
76	Toward 3D Printing of Pure Metals by Laser-Induced Forward Transfer. <i>Advanced Materials</i> , 2015 , 27, 4087-92	24	154
75	Formation of surface nanodroplets under controlled flow conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9253-7	11.5	85
74	Optimizing cell viability in droplet-based cell deposition. <i>Scientific Reports</i> , 2015 , 5, 11304	4.9	72
73	Azimuthal velocity profiles in Rayleigh-stable Taylor-Couette flow and implied axial angular momentum transport. <i>Journal of Fluid Mechanics</i> , 2015 , 774, 342-362	3.7	9
72	Phase diagram for droplet impact on superheated surfaces. <i>Journal of Fluid Mechanics</i> , 2015 , 779,	3.7	72
71	Salinity transfer in bounded double diffusive convection. <i>Journal of Fluid Mechanics</i> , 2015 , 768, 476-491	3.7	17
70	3D Printing: Toward 3D Printing of Pure Metals by Laser-Induced Forward Transfer (Adv. Mater. 27/2015). <i>Advanced Materials</i> , 2015 , 27, 4103-4103	24	4

69	Ejection Regimes in Picosecond Laser-Induced Forward Transfer of Metals. <i>Physical Review Applied</i> , 2015 , 3,	4.3	32
68	Drop Shaping by Laser-Pulse Impact. <i>Physical Review Applied</i> , 2015 , 3,	4.3	52
67	Dynamics of bouncing-versus-merging response in jet collision. <i>Physical Review E</i> , 2015 , 92, 023024	2.4	5
66	Wake-Driven Dynamics of Finite-Sized Buoyant Spheres in Turbulence. <i>Physical Review Letters</i> , 2015 , 115, 124501	7.4	36
65	The boiling Twente Taylor-Couette (BTTC) facility: Temperature controlled turbulent flow between independently rotating, coaxial cylinders. <i>Review of Scientific Instruments</i> , 2015 , 86, 065108	1.7	5
64	Fingering patterns during droplet impact on heated surfaces. <i>Soft Matter</i> , 2015 , 11, 3298-303	3.6	63
63	Quantifying cell adhesion through impingement of a controlled microjet. <i>Biophysical Journal</i> , 2015 , 108, 23-31	2.9	10
62	Imaging of the Ejection Process of Nanosecond Laser-induced forward Transfer of Gold. <i>Journal of Laser Micro Nanoengineering</i> , 2015 , 10, 154-157	1	14
61	Surface nanobubbles nucleate microdroplets. <i>Physical Review Letters</i> , 2014 , 112, 144503	7.4	51
60	Velocity profiles in strongly turbulent Taylor-Couette flow. <i>Physics of Fluids</i> , 2014 , 26, 025114	4.4	20
59	Multiple states in highly turbulent Taylor-Couette flow. <i>Nature Communications</i> , 2014 , 5, 3820	17.4	83
58	The Leidenfrost temperature increase for impacting droplets on carbon-nanofiber surfaces. <i>Soft Matter</i> , 2014 , 10, 2102-9	3.6	63
57	How microstructures affect air film dynamics prior to drop impact. <i>Soft Matter</i> , 2014 , 10, 3703-7	3.6	26
56	Scaling of maximum probability density function of velocity increments in turbulent Rayleigh-Bénard convection. <i>Journal of Hydrodynamics</i> , 2014 , 26, 351-362	3.3	2
55	The quasi-static growth of CO ₂ bubbles. <i>Journal of Fluid Mechanics</i> , 2014 , 741,	3.7	47
54	Optimal Taylor-Couette flow: radius ratio dependence. <i>Journal of Fluid Mechanics</i> , 2014 , 747, 1-29	3.7	49
53	High-resolution imaging of ejection dynamics in laser-induced forward transfer 2014 ,		2
52	Tribonucleation of bubbles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10089-94	11.5	5

51	Experimental techniques for turbulent Taylor-Couette flow and Rayleigh-Bénard convection. <i>Nonlinearity</i> , 2014 , 27, R89-R121	1.7	10
50	Deactivation of microbubble nucleation sites by alcohol-water exchange. <i>Langmuir</i> , 2013 , 29, 9979-84	4	13
49	Levitation of a drop over a moving surface. <i>Journal of Fluid Mechanics</i> , 2013 , 733,	3.7	23
48	Statistics of turbulent fluctuations in counter-rotating Taylor-Couette flows. <i>Physical Review E</i> , 2013 , 88, 063001	2.4	7
47	Wall forces on a sphere in a rotating liquid-filled cylinder. <i>Physics of Fluids</i> , 2013 , 25, 063302	4.4	10
46	Highly focused supersonic microjets: numerical simulations. <i>Journal of Fluid Mechanics</i> , 2013 , 719, 587-605	7	48
45	Logarithmic boundary layers in strong Taylor-Couette turbulence. <i>Physical Review Letters</i> , 2013 , 110, 264501	7.4	42
44	Drop fragmentation at impact onto a bath of an immiscible liquid. <i>Physical Review Letters</i> , 2013 , 110, 264503	7.4	44
43	Droplet impact on superheated micro-structured surfaces. <i>Soft Matter</i> , 2013 , 9, 3272	3.6	166
42	Needle-free injection into skin and soft matter with highly focused microjets. <i>Lab on A Chip</i> , 2013 , 13, 1357-63	7.2	67
41	The clustering morphology of freely rising deformable bubbles. <i>Journal of Fluid Mechanics</i> , 2013 , 721,	3.7	13
40	Lagrangian single-particle turbulent statistics through the Hilbert-Huang transform. <i>Physical Review E</i> , 2013 , 87, 041003	2.4	30
39	The importance of bubble deformability for strong drag reduction in bubbly turbulent Taylor-Couette flow. <i>Journal of Fluid Mechanics</i> , 2013 , 722, 317-347	3.7	59
38	Air entrainment during impact of droplets on liquid surfaces. <i>Journal of Fluid Mechanics</i> , 2013 , 726,	3.7	93
37	Growing bubbles in a slightly supersaturated liquid solution. <i>Review of Scientific Instruments</i> , 2013 , 84, 065111	1.7	39
36	Control of slippage with tunable bubble mattresses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 8422-6	11.5	133
35	Spatial distribution of heat flux and fluctuations in turbulent Rayleigh-Bénard convection. <i>Physical Review E</i> , 2012 , 86, 056315	2.4	17
34	Maximal air bubble entrainment at liquid-drop impact. <i>Physical Review Letters</i> , 2012 , 109, 264501	7.4	139

33	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> , 2012 , 36, 115-119	2.4	21
32	Three-dimensional Lagrangian Voronoi analysis for clustering of particles and bubbles in turbulence. <i>Journal of Fluid Mechanics</i> , 2012 , 693, 201-215	3.7	63
31	Optimal Taylor-Couette turbulence. <i>Journal of Fluid Mechanics</i> , 2012 , 706, 118-149	3.7	61
30	Drop impact on superheated surfaces. <i>Physical Review Letters</i> , 2012 , 108, 036101	7.4	293
29	Microdroplet impact at very high velocity. <i>Soft Matter</i> , 2012 , 8, 10732	3.6	56
28	Ultimate turbulent Taylor-Couette flow. <i>Physical Review Letters</i> , 2012 , 108, 024501	7.4	62
27	How gravity and size affect the acceleration statistics of bubbles in turbulence. <i>New Journal of Physics</i> , 2012 , 14, 105017	2.9	22
26	Lagrangian statistics of light particles in turbulence. <i>Physics of Fluids</i> , 2012 , 24, 055106	4.4	26
25	Direct measurements of air layer profiles under impacting droplets using high-speed color interferometry. <i>Physical Review E</i> , 2012 , 85, 026315	2.4	103
24	Highly Focused Supersonic Microjets. <i>Physical Review X</i> , 2012 , 2,	9.1	37
23	Angular momentum transport and turbulence in laboratory models of Keplerian flows. <i>Astronomy and Astrophysics</i> , 2012 , 547, A64	5.1	43
22	The role of Stewartson and Ekman layers in turbulent rotating Rayleigh-Bard convection. <i>Journal of Fluid Mechanics</i> , 2011 , 688, 422-442	3.7	47
21	Torque scaling in turbulent Taylor-Couette flow with co- and counterrotating cylinders. <i>Physical Review Letters</i> , 2011 , 106, 024502	7.4	95
20	Energy spectra and bubble velocity distributions in pseudo-turbulence: Numerical simulations vs. experiments. <i>International Journal of Multiphase Flow</i> , 2011 , 37, 1093-1098	3.6	51
19	The Twente turbulent Taylor-Couette (T3C) facility: strongly turbulent (multiphase) flow between two independently rotating cylinders. <i>Review of Scientific Instruments</i> , 2011 , 82, 025105	1.7	51
18	Crystal Nucleation by Laser-Induced Cavitation. <i>Crystal Growth and Design</i> , 2011 , 11, 2311-2316	3.5	55
17	Flow reversals in thermally driven turbulence. <i>Physical Review Letters</i> , 2010 , 105, 034503	7.4	128
16	On bubble clustering and energy spectra in pseudo-turbulence. <i>Journal of Fluid Mechanics</i> , 2010 , 650, 287-306	3.7	88

15	Drag and lift forces on a counter-rotating cylinder in rotating flow. <i>Journal of Fluid Mechanics</i> , 2010 , 664, 150-173	3-7	12
14	Growth and collapse of a vapour bubble in a microtube: the role of thermal effects. <i>Journal of Fluid Mechanics</i> , 2009 , 632, 5-16	3-7	42
13	Oscillations of the large-scale circulation in turbulent Rayleigh-Bénard convection: the sloshing mode and its relationship with the torsional mode. <i>Journal of Fluid Mechanics</i> , 2009 , 630, 367-390	3-7	58
12	Experimental investigation of homogeneity, isotropy, and circulation of the velocity field in buoyancy-driven turbulence. <i>Journal of Fluid Mechanics</i> , 2008 , 598, 361-372	3-7	36
11	Experimental studies of the viscous boundary layer properties in turbulent Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , 2008 , 605, 79-113	3-7	76
10	Multi-point local temperature measurements inside the conducting plates in turbulent thermal convection. <i>Journal of Fluid Mechanics</i> , 2007 , 570, 479-489	3-7	10
9	Morphological evolution of thermal plumes in turbulent Rayleigh-Bénard convection. <i>Physical Review Letters</i> , 2007 , 98, 074501	7-4	77
8	Measured oscillations of the velocity and temperature fields in turbulent Rayleigh-Bénard convection in a rectangular cell. <i>Physical Review E</i> , 2007 , 76, 036301	2-4	18
7	Cascades of velocity and temperature fluctuations in buoyancy-driven thermal turbulence. <i>Physical Review Letters</i> , 2006 , 97, 144504	7-4	67
6	Scaling of the Reynolds number in turbulent thermal convection. <i>Physical Review E</i> , 2005 , 72, 067302	2-4	36
5	Heat transport by turbulent Rayleigh-Bénard convection in 1 m diameter cylindrical cells of widely varying aspect ratio. <i>Journal of Fluid Mechanics</i> , 2005 , 542, 165	3-7	82
4	Statistics and Scaling of the Velocity Field in Turbulent Thermal Convection 2005 , 163-170		2
3	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> , 2005 , 95, 074502	7-4	82
2	Three-dimensional flow structures and dynamics of turbulent thermal convection in a cylindrical cell. <i>Physical Review E</i> , 2005 , 72, 026302	2-4	95
1	Particle image velocimetry measurement of the velocity field in turbulent thermal convection. <i>Physical Review E</i> , 2003 , 68, 066303	2-4	99