Chao Sun

List of Publications by Year
in descending order

169 papers	7,949 citations	31976 53 h-index	58581 82 g-index
171 all docs	171 docs citations	171 times ranked	4725 citing authors

#	Article	IF	Citations
1	Ion adsorption stabilizes bulk nanobubbles. Journal of Colloid and Interface Science, 2022, 606, 1380-1394.	9.4	43
2	Effects of radius ratio on annular centrifugal Rayleighâ€“BÃ©nard convection. Journal of Fluid Mechanics, 2022, 930, .	3.4	7
3	How sodium chloride extends lifetime of bulk nanobubbles in water. Soft Matter, 2022, 18, 2968-2978.	2.7	8
4	How do the finite-size particles modify the drag in Taylorâ€“Couette turbulent flow. Journal of Fluid Mechanics, 2022, 937, .	3.4	7
5	Dynamics of finite-size spheroids in turbulent flow: the roles of flow structures and particle boundary layers. Journal of Fluid Mechanics, 2022, 939, .	3.4	1
6	Accumulation and alignment of elongated gyrotactic swimmers in turbulence. Physics of Fluids, 2022, 34, 033303.	4.0	2
7	Spectra and structure functions of the temperature and velocity fields in supergravitational thermal turbulence. Physics of Fluids, 2022, 34, .	4.0	9
8	Micro-droplet nucleation through solvent exchange in a turbulent buoyant jet. Journal of Fluid Mechanics, 2022, 943, .	3.4	2
9	On explosive boiling of a multicomponent Leidenfrost drop. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
10	Coriolis effect on centrifugal buoyancy-driven convection in a thin cylindrical shell. Journal of Fluid Mechanics, 2021, 910, .	3.4	10
11	Rotational dynamics of bottom-heavy rods in turbulence from experiments and numerical simulations. Theoretical and Applied Mechanics Letters, 2021, 11, 100227.	2.8	4
12	Kinematics and dynamics of freely rising spheroids at high Reynolds numbers. Journal of Fluid Mechanics, 2021, 912, .	3.4	18
13	Global and local statistics in turbulent emulsions. Journal of Fluid Mechanics, 2021, 912, .	3.4	16
14	Catastrophic Phase Inversion in High-Reynolds-Number Turbulent Taylor-Couette Flow. Physical Review Letters, 2021, 126, 064501.	7.8	12
15	Water entry of spheres into a rotating liquid. Journal of Fluid Mechanics, 2021, 912, .	3.4	17
16	How the growth of ice depends on the fluid dynamics underneath. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
17	Lagrangian dynamics and heat transfer in porous-media convection. Journal of Fluid Mechanics, 2021, 917, .	3.4	4
18	Special issue on rotating turbulence. Journal of Turbulence, 2021, 22, 231-231.	1.4	0

#	Article	IF	Citations
19	A hybrid VOF-IBM method for the simulation of freezing liquid films and freezing drops. Journal of Computational Physics, 2021, 432, 110160.	3.8	15
20	How bulk nanobubbles are stable over a wide range of temperatures. Journal of Colloid and Interface Science, 2021, 596, 184-198.	9.4	58
21	Ice front shaping by upward convective current. Physical Review Fluids, 2021, 6, .	2.5	10
22	Equilibrium states of the ice-water front in a differentially heated rectangular cell^(a). Europhysics Letters, 2021, 135, 54001.	2.0	10
23	Heat transfer and flow structure of two-dimensional thermal convection over ratchet surfaces. Journal of Hydrodynamics, 2021, 33, 970-978.	3.2	6
24	Bubbly drag reduction using a hydrophobic inner cylinder in Taylorâ€"Couette turbulence. Journal of Fluid Mechanics, 2020, 883, .	3.4	17
25	Controlling secondary flow in Taylorâ€"Couette turbulence through spanwise-varying roughness. Journal of Fluid Mechanics, 2020, 883, .	3.4	14
26	Supergravitational turbulent thermal convection. Science Advances, 2020, 6, .	10.3	29
27	Effect of axially varying sandpaper roughness on bubbly drag reduction in Taylorâ€"Couette turbulence. International Journal of Multiphase Flow, 2020, 132, 103434.	3.4	1
28	Leidenfrost drop impact on inclined superheated substrates. Physics of Fluids, 2020, 32, .	4.0	15
29	Rotation of anisotropic particles in Rayleighâ€"BÃ©nard turbulence. Journal of Fluid Mechanics, 2020, 901, .	3.4	12
30	Double maxima of angular momentum transport in small gap Taylorâ€"Couette turbulence. Journal of Fluid Mechanics, 2020, 900, .	3.4	6
31	From Rayleighâ€"BÃ©nard convection to porous-media convection: how porosity affects heat transfer and flow structure. Journal of Fluid Mechanics, 2020, 895, .	3.4	32
32	Bubbly and Buoyant Particleâ€"Laden Turbulent Flows. Annual Review of Condensed Matter Physics, 2020, 11, 529-559.	14.5	92
33	Experimental study of the heat transfer properties of self-sustained biphasic thermally driven turbulence. International Journal of Heat and Mass Transfer, 2020, 152, 119515.	4.8	10
34	Anisotropic particles in two-dimensional convective turbulence. Physics of Fluids, 2020, 32, 023305.	4.0	12
35	Vibration-induced boundary-layer destabilization achieves massive heat-transport enhancement. Science Advances, 2020, 6, eaaz8239.	10.3	67
36	Statistics, plumes and azimuthally travelling waves in ultimate Taylorâ€"Couette turbulentÂvortices. Journal of Fluid Mechanics, 2019, 876, 733-765.	3.4	5

#	ARTICLE	IF	CITATIONS
37	Self-sustained biphasic catalytic particle turbulence. Nature Communications, 2019, 10, 3333.	12.8	33
38	Onset of fully compressible convection in a rapidly rotating spherical shell. Journal of Fluid Mechanics, 2019, 873, 1090-1115.	3.4	11
39	Convective heat transfer along ratchet surfaces in vertical natural convection. Journal of Fluid Mechanics, 2019, 873, 1055-1071.	3.4	10
40	Spreading and oscillation dynamics of drop impacting liquid film. Journal of Fluid Mechanics, 2019, 881, 859-871.	3.4	15
41	Twente mass and heat transfer water tunnel: Temperature controlled turbulent multiphase channel flow with heat and mass transfer. Review of Scientific Instruments, 2019, 90, 075117.	1.3	5
42	Robustness of heat transfer in confined inclined convection at high Prandtl number. Physical Review E, 2019, 99, 013108.	2.1	15
43	Final fate of a Leidenfrost droplet: Explosion or takeoff. Science Advances, 2019, 5, eaav8081.	10.3	51
44	Turbulent Rayleighâ€"BÃ©nard convection in an annular cell. Journal of Fluid Mechanics, 2019, 869, .	3.4	13
45	Mixing induced by a bubble swarm rising through incident turbulence. International Journal of Multiphase Flow, 2019, 114, 316-322.	3.4	13
46	Bouncing drop on liquid film: Dynamics of interfacial gas layer. Physics of Fluids, 2019, 31, .	4.0	51
47	Drag reduction in boiling Taylorâ€"Couette turbulence. Journal of Fluid Mechanics, 2019, 881, 104-118.	3.4	6
48	Experimental investigation of heat transport in inhomogeneous bubbly flow. Chemical Engineering Science, 2019, 198, 260-267.	3.8	14
49	Statistics of rigid fibers in strongly sheared turbulence. Physical Review Fluids, 2019, 4, .	2.5	7
50	Role of the large-scale structures in spanwise rotating plane Couette flow with multiple states. Physical Review Fluids, 2019, 4, .	2.5	8
51	Controlling Heat Transport and Flow Structures in Thermal Turbulence Using Ratchet Surfaces. Physical Review Letters, 2018, 120, 044501.	7.8	48
52	Turbulence strength in ultimate Taylorâ€"Couette turbulence. Journal of Fluid Mechanics, 2018, 836, 397-412.	3.4	12
53	Wall roughness induces asymptotic ultimate turbulence. Nature Physics, 2018, 14, 417-423.	16.7	40
54	Bouncing-to-Merging Transition in Drop Impact on Liquid Film: Role of Liquid Viscosity. Langmuir, 2018, 34, 2654-2662.	3.5	39

#	Article	IF	Citations
55	How surface roughness reduces heat transport for small roughness heights in turbulent Rayleighâ€"BÃ©nard convection. Journal of Fluid Mechanics, 2018, 836, .	3.4	80
56	Air cavities at the inner cylinder of turbulent Taylorâ€"Couette flow. International Journal of Multiphase Flow, 2018, 105, 264-273.	3.4	11
57	Rough-wall turbulent Taylor-Couette flow: The effect of the rib height. European Physical Journal E, 2018, 41, 125.	1.6	3
58	Periodically driven Taylorâ€"Couette turbulence. Journal of Fluid Mechanics, 2018, 846, 834-845.	3.4	16
59	Dispersion of Air Bubbles in Isotropic Turbulence. Physical Review Letters, 2018, 121, 054501.	7.8	30
60	The influence of wall roughness on bubble drag reduction in Taylorâ€"Couette turbulence. Journal of Fluid Mechanics, 2018, 851, 436-446.	3.4	5
61	Finite-sized rigid spheres in turbulent Taylorâ€"Couette flow: effect on the overall drag. Journal of Fluid Mechanics, 2018, 850, 246-261.	3.4	8
62	Flutter to tumble transition of buoyant spheres triggered by rotational inertia changes. Nature Communications, 2018, 9, 1792.	12.8	33
63	Experimental investigation of heat transport in homogeneous bubbly flow. Journal of Fluid Mechanics, 2018, 845, 226-244.	3.4	31
64	Boiling regimes of impacting drops on a heated substrate under reduced pressure. Physical Review Fluids, 2018, 3, .	2.5	18
65	Fast Dynamics of Water Droplets Freezing from the Outside In. Physical Review Letters, 2017, 118, 084101.	7.8	89
66	Statistics of kinetic and thermal energy dissipation rates in two-dimensional turbulent Rayleighâ€"BÃ©nard convection. Journal of Fluid Mechanics, 2017, 814, 165-184.	3.4	88
67	Measuring thin films using quantitative frustrated total internal reflection (FTIR). European Physical Journal E, 2017, 40, 54.	1.6	31
68	Printing Functional 3D Microdevices by Laserâ€Induced Forward Transfer. Small, 2017, 13, 1602553.	10.0	70
69	Leidenfrost drops cooling surfaces: theory and interferometric measurement. Journal of Fluid Mechanics, 2017, 827, 614-639.	3.4	38
70	Experimental investigation of the turbulence induced by a bubble swarm rising within incident turbulence. Journal of Fluid Mechanics, 2017, 825, 1091-1112.	3.4	52
71	Origin of spray formation during impact on heated surfaces. Soft Matter, 2017, 13, 7514-7520.	2.7	16
72	Mass and Moment of Inertia Govern the Transition in the Dynamics and Wakes of Freely Rising and Falling Cylinders. Physical Review Letters, 2017, 119, 054501.	7.8	21

#	Article	IF	Citations
73	Hemodynamic comparison of stent configurations used for aortoiliac occlusive disease. Journal of Vascular Surgery, 2017, 66, 251-260.e1.	1.1	34
74	Large-scale flow and Reynolds numbers in the presence of boiling in locally heated turbulent convection. Physical Review Fluids, 2017, 2, .	2.5	1
75	Urban Land Development for Industrial and Commercial Use: A Case Study of Beijing. Sustainability, 2016, 8, 1323.	3.2	24
76	On the spreading of impacting drops. Journal of Fluid Mechanics, 2016, 805, 636-655.	3.4	220
77	Heat-flux enhancement by vapour-bubble nucleation in Rayleighâ€"BÃ©nard turbulence. Journal of Fluid Mechanics, 2016, 787, 331-366.	3.4	21
78	Vapour-bubble nucleation and dynamics in turbulent Rayleighâ€"BÃ©nard convection. Journal of Fluid Mechanics, 2016, 795, 60-95.	3.4	6
79	Energy spectra in turbulent bubbly flows. Journal of Fluid Mechanics, 2016, 791, 174-190.	3.4	62
80	Nonmonotonic response of drop impacting on liquid film: mechanism and scaling. Soft Matter, 2016, 12, 4521-4529.	2.7	33
81	Bubble Drag Reduction Requires Large Bubbles. Physical Review Letters, 2016, 117, 104502.	7.8	65
82	Dynamic Leidenfrost Effect: Relevant Time and Length Scales. Physical Review Letters, 2016, 116, 064501.	7.8	150
83	Microbubbles and Microparticles are Not Faithful Tracers of Turbulent Acceleration. Physical Review Letters, 2016, 117, 024501.	7.8	52
84	3D spherical-cap fitting procedure for (truncated) sessile nano- and micro-droplets & -bubbles. European Physical Journal E, 2016, 39, 106.	1.6	5
85	Electric field makes Leidenfrost droplets take a leap. Soft Matter, 2016, 12, 9622-9632.	2.7	8
86	Taylorâ€"Couette turbulence at radius ratio : scaling, flow structures and plumes. Journal of Fluid Mechanics, 2016, 799, 334-351.	3.4	16
87	Translational and rotational dynamics of a large buoyant sphere in turbulence. Experiments in Fluids, 2016, 57, 1.	2.4	23
88	Vapour cooling of poorly conducting hot substrates increases the dynamic Leidenfrost temperature. International Journal of Heat and Mass Transfer, 2016, 97, 101-109.	4.8	70
89	Highâ€"Reynolds Number Taylor-Couette Turbulence. Annual Review of Fluid Mechanics, 2016, 48, 53-80.	25.0	259
90	Exploring the phase space of multiple states in highly turbulent Taylor-Couette flow. Physical Review Fluids, 2016, 1, .	2.5	25

#	Article	IF	Citations
91	Statistical characterization of thermal plumes in turbulent thermal convection. Physical Review Fluids, 2016, 1, .	2.5	10
92	Self-similar decay of high Reynolds number Taylor-Couette turbulence. Physical Review Fluids, 2016, 1, .	2.5	4
93	Azimuthal velocity profiles in Rayleigh-stable Taylorâ€"Couette flow and implied axial angular momentum transport. Journal of Fluid Mechanics, 2015, 774, 342-362.	3.4	13
94	Phase diagram for droplet impact on superheated surfaces. Journal of Fluid Mechanics, 2015, 779, .	3.4	95
95	Salinity transfer in bounded double diffusive convection. Journal of Fluid Mechanics, 2015, 768, 476-491.	3.4	27
96	3D Printing: Toward 3D Printing of Pure Metals by Laser-Induced Forward Transfer (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	21.0	6
97	Ejection Regimes in Picosecond Laser-Induced Forward Transfer of Metals. Physical Review Applied, 2015, 3, .	3.8	42
98	Drop Shaping by Laser-Pulse Impact. Physical Review Applied, 2015, 3, .	3.8	76
99	Dynamics of bouncing-versus-merging response in jet collision. Physical Review E, 2015, 92, 023024.	2.1	8
100	Wake-Driven Dynamics of Finite-Sized Buoyant Spheres in Turbulence. Physical Review Letters, 2015, 115, 124501.	7.8	39
101	The boiling Twente Taylor-Couette (BTTC) facility: Temperature controlled turbulent flow between independently rotating, coaxial cylinders. Review of Scientific Instruments, 2015, 86, 065108.	1.3	5
102	Fingering patterns during droplet impact on heated surfaces. Soft Matter, 2015, 11, 3298-3303.	2.7	87
103	Quantifying Cell Adhesion through Impingement of a Controlled Microjet. Biophysical Journal, 2015, 108, 23-31.	0.5	17
104	Dynamics of high-speed micro-drop impact: numerical simulations and experiments at frame-to-frame times below 100 ns. Soft Matter, 2015, 11, 1708-1722.	2.7	155
105	Toward 3D Printing of Pure Metals by Laserâ€Induced Forward Transfer. Advanced Materials, 2015, 27, 4087-4092.	21.0	217
106	Formation of surface nanodroplets under controlled flow conditions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9253-9257.	7.1	113
107	Optimizing cell viability in droplet-based cell deposition. Scientific Reports, 2015, 5, 11304.	3.3	87
108	Imaging of the Ejection Process of Nanosecond Laser-induced forward Transfer of Gold. Journal of Laser Micro Nanoengineering, 2015, 10, 154-157.	0.1	21

#	Article	IF	Citations
109	High-resolution imaging of ejection dynamics in laser-induced forward transfer. Proceedings of SPIE, 2014, , .	0.8	2
110	Tribonucleation of bubbles. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10089-10094.	7.1	6
111	Experimental techniques for turbulent Taylorâ€"Couette flow and Rayleighâ€"BÃ©nard convection. Nonlinearity, 2014, 27, R89-R121.	1.4	16
112	Surface Nanobubbles Nucleate Microdroplets. Physical Review Letters, 2014, 112, 144503.	7.8	61
113	Velocity profiles in strongly turbulent Taylor-Couette flow. Physics of Fluids, 2014, 26, .	4.0	21
114	Multiple states in highly turbulent Taylorâ€"Couette flow. Nature Communications, 2014, 5, 3820.	12.8	107
115	The Leidenfrost temperature increase for impacting droplets on carbon-nanofiber surfaces. Soft Matter, 2014, 10, 2102-2109.	2.7	78
116	How microstructures affect air film dynamics prior to drop impact. Soft Matter, 2014, 10, 3703.	2.7	35
117	Scaling of maximum probability density function of velocity increments in turbulent Rayleigh-BÃ©nard convection. Journal of Hydrodynamics, 2014, 26, 351-362.	3.2	4
118	The quasi-static growth of CO₂Âbubbles. Journal of Fluid Mechanics, 2014, 741, .	3.4	60
119	Optimal Taylorâ€"Couette flow: radius ratio dependence. Journal of Fluid Mechanics, 2014, 747, 1-29.	3.4	61
120	Deactivation of Microbubble Nucleation Sites by Alcoholâ€"Water Exchange. Langmuir, 2013, 29, 9979-9984.	3.5	16
121	Levitation of a drop over a moving surface. Journal of Fluid Mechanics, 2013, 733, .	3.4	25
122	Statistics of turbulent fluctuations in counter-rotating Taylor-Couette flows. Physical Review E, 2013, 88, 063001.	2.1	8
123	Wall forces on a sphere in a rotating liquid-filled cylinder. Physics of Fluids, 2013, 25, .	4.0	11
124	Highly focused supersonic microjets: numerical simulations. Journal of Fluid Mechanics, 2013, 719, 587-605.	3.4	62
125	Logarithmic Boundary Layers in Strong Taylor-Couette Turbulence. Physical Review Letters, 2013, 110, 264501.	7.8	46
126	Drop Fragmentation at Impact onto a Bath of an Immiscible Liquid. Physical Review Letters, 2013, 110, 264503.	7.8	64

#	Article	IF	Citations
127	Droplet impact on superheated micro-structured surfaces. Soft Matter, 2013, 9, 3272.	2.7	216
128	Needle-free injection into skin and soft matter with highly focused microjets. Lab on A Chip, 2013, 13, 1357.	6.0	92
129	The clustering morphology of freely rising deformable bubbles. Journal of Fluid Mechanics, 2013, 721, .	3.4	16
130	Lagrangian single-particle turbulent statistics through the Hilbert-Huang transform. Physical Review E, 2013, 87, 041003.	2.1	35
131	The importance of bubble deformability for strong drag reduction in bubbly turbulent Taylorâ€"Couette flow. Journal of Fluid Mechanics, 2013, 722, 317-347.	3.4	81
132	Air entrainment during impact of droplets on liquid surfaces. Journal of Fluid Mechanics, 2013, 726, .	3.4	125
133	Growing bubbles in a slightly supersaturated liquid solution. Review of Scientific Instruments, 2013, 84, 065111.	1.3	52
134	Control of slippage with tunable bubble mattresses. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8422-8426.	7.1	157
135	How gravity and size affect the acceleration statistics of bubbles in turbulence. New Journal of Physics, 2012, 14, 105017.	2.9	26
136	Lagrangian statistics of light particles in turbulence. Physics of Fluids, 2012, 24, .	4.0	29
137	Direct measurements of air layer profiles under impacting droplets using high-speed color interferometry. Physical Review E, 2012, 85, 026315.	2.1	128
138	Highly Focused Supersonic Microjets. Physical Review X, 2012, 2, .	8.9	51
139	Angular momentum transport and turbulence in laboratory models of Keplerian flows. Astronomy and Astrophysics, 2012, 547, A64.	5.1	48
140	Spatial distribution of heat flux and fluctuations in turbulent Rayleigh-BÃ©nard convection. Physical Review E, 2012, 86, 056315.	2.1	20
141	Maximal Air Bubble Entrainment at Liquid-Drop Impact. Physical Review Letters, 2012, 109, 264501.	7.8	172
142	Applying laser Doppler anemometry inside a Taylorâ€"Couette geometry using a ray-tracer to correct for curvature effects. European Journal of Mechanics, B/Fluids, 2012, 36, 115-119.	2.5	25
143	Three-dimensional Lagrangian VoronoÃ¯ analysis for clustering of particles and bubbles in turbulence. Journal of Fluid Mechanics, 2012, 693, 201-215.	3.4	83
144	Optimal Taylorâ€"Couette turbulence. Journal of Fluid Mechanics, 2012, 706, 118-149.	3.4	73

#	Article	IF	Citations
145	Drop Impact on Superheated Surfaces. Physical Review Letters, 2012, 108, 036101.	7.8	378
146	Microdroplet impact at very high velocity. Soft Matter, 2012, 8, 10732.	2.7	70
147	Ultimate Turbulent Taylor-Couette Flow. Physical Review Letters, 2012, 108, 024501.	7.8	74
148	Crystal Nucleation by Laser-Induced Cavitation. Crystal Growth and Design, 2011, 11, 2311-2316.	3.0	62
149	The role of Stewartson and Ekman layers in turbulent rotating Rayleighâ€“BÃ©nard convection. Journal of Fluid Mechanics, 2011, 688, 422-442.	3.4	57
150	Torque Scaling in Turbulent Taylor-Couette Flow with Co- and Counterrotating Cylinders. Physical Review Letters, 2011, 106, 024502.	7.8	115
151	Energy spectra and bubble velocity distributions in pseudo-turbulence: Numerical simulations vs. experiments. International Journal of Multiphase Flow, 2011, 37, 1093-1098.	3.4	67
152	The Twente turbulent Taylorâ€“Couette (T3C) facility: Strongly turbulent (multiphase) flow between two independently rotating cylinders. Review of Scientific Instruments, 2011, 82, 025105.	1.3	59
153	Drag and lift forces on a counter-rotating cylinder in rotating flow. Journal of Fluid Mechanics, 2010, 664, 150-173.	3.4	15
154	Flow Reversals in Thermally Driven Turbulence. Physical Review Letters, 2010, 105, 034503.	7.8	165
155	On bubble clustering and energy spectra in pseudo-turbulence. Journal of Fluid Mechanics, 2010, 650, 287-306.	3.4	107
156	Growth and collapse of a vapour bubble in a microtube: the role of thermal effects. Journal of Fluid Mechanics, 2009, 632, 5-16.	3.4	53
157	Oscillations of the large-scale circulation in turbulent Rayleighâ€“BÃ©nard convection: the sloshing mode and its relationship with the torsional mode. Journal of Fluid Mechanics, 2009, 630, 367-390.	3.4	74
158	Experimental investigation of homogeneity, isotropy, and circulation of the velocity field in buoyancy-driven turbulence. Journal of Fluid Mechanics, 2008, 598, 361-372.	3.4	42
159	Experimental studies of the viscous boundary layer properties in turbulent Rayleighâ€“BÃ©nard convection. Journal of Fluid Mechanics, 2008, 605, 79-113.	3.4	90
160	Morphological Evolution of Thermal Plumes in Turbulent Rayleigh-BÃ©nard Convection. Physical Review Letters, 2007, 98, 074501.	7.8	92
161	Measured oscillations of the velocity and temperature fields in turbulent Rayleigh-BÃ©nard convection in a rectangular cell. Physical Review E, 2007, 76, 036301.	2.1	21
162	Multi-point local temperature measurements inside the conducting plates in turbulent thermal convection. Journal of Fluid Mechanics, 2007, 570, 479-489.	3.4	11

#	Article	IF	Citations
163	Cascades of Velocity and Temperature Fluctuations in Buoyancy-Driven Thermal Turbulence. Physical Review Letters, 2006, 97, 144504.	7.8	73
164	Statistics and Scaling of the Velocity Field in Turbulent Thermal Convection. , 2005, , 163-170.		2
165	Azimuthal Symmetry, Flow Dynamics, and Heat Transport in Turbulent Thermal Convection in a Cylinder with an Aspect Ratio of 0.5. Physical Review Letters, 2005, 95, 074502.	7.8	96
166	Three-dimensional flow structures and dynamics of turbulent thermal convection in a cylindrical cell. Physical Review E, 2005, 72, 026302.	2.1	115
167	Scaling of the Reynolds number in turbulent thermal convection. Physical Review E, 2005, 72, 067302.	2.1	45
168	Heat transport by turbulent Rayleighâ€“BÃ©nard convection in 1 m diameter cylindrical cells of widely varying aspect ratio. Journal of Fluid Mechanics, 2005, 542, 165.	3.4	86
169	Particle image velocimetry measurement of the velocity field in turbulent thermal convection. Physical Review E, 2003, 68, 066303.	2.1	120