

# Luca Brandt

## 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.

215  
papers

6,019  
citations

45  
h-index

69  
g-index

232  
ext. papers

7,336  
ext. citations

3.5  
avg, IF

6.43  
L-index

#	Paper	IF	Citations
215	Particle-Laden Turbulence: Progress and Perspectives. <i>Annual Review of Fluid Mechanics</i> , <b>2022</b> , 54,	2.2	7
214	A pressure-based diffuse interface method for low-Mach multiphase flows with mass transfer. <i>Journal of Computational Physics</i> , <b>2022</b> , 448, 110730	4.1	1
213	A Direct Numerical Simulation Investigation of the One-Phase Flow in a Simplified Emulsification Device. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2022</b> , 144,	2.1	2
212	Modulation of homogeneous and isotropic turbulence in emulsions. <i>Journal of Fluid Mechanics</i> , <b>2022</b> , 940,	3.7	4
211	Interface-resolved simulations of the confinement effect on the sedimentation of a sphere in yield-stress fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2022</b> , 303, 104787	2.7	0
210	Deformation and initial breakup morphology of viscous emulsion drops in isotropic homogeneous turbulence with relevance for emulsification devices. <i>Chemical Engineering Science</i> , <b>2022</b> , 253, 117599	4.4	2
209	A phase-field method for three-phase flows with icing. <i>Journal of Computational Physics</i> , <b>2022</b> , 458, 111104	4.4	0
208	LES and RANS calculations of particle dispersion behind a wall-mounted cubic obstacle. <i>International Journal of Multiphase Flow</i> , <b>2022</b> , 151, 104037	3.6	0
207	A criterion for when an emulsion drop undergoing turbulent deformation has reached a critically deformed state. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 129213	5.1	1
206	Analogue tuning of particle focusing in elasto-inertial flow. <i>Meccanica</i> , <b>2021</b> , 56, 1739-1749	2.1	2
205	Symmetry Breaking of Tail-Clamped Filaments in Stokes Flow. <i>Physical Review Letters</i> , <b>2021</b> , 126, 124501	7.4	3
204	Near-wall turbulence modulation by small inertial particles. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 922,	3.7	5
203	GPU acceleration of CaNS for massively-parallel direct numerical simulations of canonical fluid flows. <i>Computers and Mathematics With Applications</i> , <b>2021</b> , 81, 502-511	2.7	6
202	The impact of porous walls on the rheology of suspensions. <i>Chemical Engineering Science</i> , <b>2021</b> , 230, 116178	4.4	7
201	An interface capturing method for liquid-gas flows at low-Mach number. <i>Computers and Fluids</i> , <b>2021</b> , 216, 104789	2.8	2
200	The effect of droplet coalescence on drag in turbulent channel flows. <i>Physics of Fluids</i> , <b>2021</b> , 33, 085112	4.4	2
199	Numerical simulations of small amplitude oscillatory shear flow of suspensions of rigid particles in non-Newtonian liquids at finite inertia. <i>Journal of Rheology</i> , <b>2021</b> , 65, 821-835	4.1	

198	Regimes of heat transfer in finite-size particle suspensions. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 177, 121514	4.9	4
197	A fully Eulerian hybrid immersed boundary-phase field model for contact line dynamics on complex geometries. <i>Journal of Computational Physics</i> , <b>2021</b> , 443, 110468	4.1	1
196	Flow structures and shear-stress predictions in the turbulent channel flow over an anisotropic porous wall. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1522, 012016	0.3	5
195	Sedimentation of finite-size particles in quiescent wall-bounded shear-thinning and Newtonian fluids. <i>International Journal of Multiphase Flow</i> , <b>2020</b> , 129, 103291	3.6	4
194	Single sediment dynamics in turbulent flow over a porous bed – Insights from interface-resolved simulations. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 893,	3.7	6
193	Numerical simulations of a sphere settling in simple shear flows of yield stress fluids. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 896,	3.7	5
192	Localisation of optimal perturbations in variable viscosity channel flow. <i>International Journal of Heat and Fluid Flow</i> , <b>2020</b> , 85, 108588	2.4	0
191	Interface-resolved simulations of small inertial particles in turbulent channel flow – CORRIGENDUM. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 891,	3.7	1
190	Coherent structures in the turbulent channel flow of an elastoviscoplastic fluid. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 888,	3.7	7
189	Utilizing the ball lens effect for astigmatism particle tracking velocimetry. <i>Experiments in Fluids</i> , <b>2020</b> , 61, 1	2.5	3
188	Numerical simulations of vorticity banding of emulsions in shear flows. <i>Soft Matter</i> , <b>2020</b> , 16, 2854-2863	3.6	8
187	Numerical study of hot and cold spheroidal particles in a viscous fluid. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 149, 119206	4.9	5
186	A volume-of-fluid method for interface-resolved simulations of phase-changing two-fluid flows. <i>Journal of Computational Physics</i> , <b>2020</b> , 407, 109251	4.1	22
185	Inertial settling of flexible fiber suspensions. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	4
184	Increase of turbulent drag by polymers in particle suspensions. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	15
183	Theory of hydrodynamic interaction of two spheres in wall-bounded shear flow. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	2
182	Turbulence in a network of rigid fibers. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	6
181	Suspensions of deformable particles in Poiseuille flows at finite inertia. <i>Fluid Dynamics Research</i> , <b>2020</b> , 52, 065507	1.2	3

180	Numerical study of filament suspensions at finite inertia. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 882,	3.7	8
179	The breakdown of Darcy's law in a soft porous material. <i>Soft Matter</i> , <b>2020</b> , 16, 939-944	3.6	10
178	Finite-size spherical particles in a square duct flow of an elastoviscoplastic fluid: an experimental study. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 883,	3.7	5
177	Interface-resolved simulations of small inertial particles in turbulent channel flow. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 883,	3.7	26
176	Particle migration in channel flow of an elastoviscoplastic fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2020</b> , 284, 104376	2.7	1
175	A mass-preserving interface-correction level set/ghost fluid method for modeling of three-dimensional boiling flows. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 162, 120382	4.9	2
174	Direct numerical simulation of spray droplet evaporation in hot turbulent channel flow. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 160, 120184	4.9	4
173	Modulation of turbulence by finite-size particles in statistically steady-state homogeneous shear turbulence. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 899,	3.7	2
172	Low Reynolds number turbulent flows over elastic walls. <i>Physics of Fluids</i> , <b>2020</b> , 32, 083109	4.4	3
171	Dispersed Fibers Change the Classical Energy Budget of Turbulence via Nonlocal Transfer. <i>Physical Review Letters</i> , <b>2020</b> , 125, 114501	7.4	12
170	Flowing fibers as a proxy of turbulence statistics. <i>Meccanica</i> , <b>2020</b> , 55, 357-370	2.1	17
169	Yield-stress fluids in porous media: a comparison of viscoplastic and elastoviscoplastic flows. <i>Meccanica</i> , <b>2020</b> , 55, 331-342	2.1	10
168	Turbulence modulation by finite-size spherical particles in Newtonian and viscoelastic fluids. <i>International Journal of Multiphase Flow</i> , <b>2019</b> , 112, 116-129	3.6	8
167	An Immersed Boundary Method for flows with evaporating droplets. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 143, 118563	4.9	15
166	Turbulent flow of finite-size spherical particles in channels with viscous hyper-elastic walls. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 873, 410-440	3.7	5
165	Haemorheology in dilute, semi-dilute and dense suspensions of red blood cells. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 872, 818-848	3.7	15
164	On the time scales and structure of Lagrangian intermittency in homogeneous isotropic turbulence. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 867, 438-481	3.7	4
163	Flow-assisted droplet assembly in a 3D microfluidic channel. <i>Soft Matter</i> , <b>2019</b> , 15, 3451-3460	3.6	6

162	Study of hydrodynamics in wave bioreactors by computational fluid dynamics reveals a resonance phenomenon. <i>Chemical Engineering Science</i> , <b>2019</b> , 193, 53-65	4.4	15
161	Droplets in homogeneous shear turbulence. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 876, 962-984	3.7	32
160	On the effect of coalescence on the rheology of emulsions. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 880, 969-991	3.7	15
159	Numerical simulations of oscillatory shear flow of particle suspensions at finite inertia. <i>Rheologica Acta</i> , <b>2019</b> , 58, 741-753	2.3	2
158	Buoyant finite-size particles in turbulent duct flow. <i>Physical Review Fluids</i> , <b>2019</b> , 4,	2.8	9
157	Effect of elastic walls on suspension flow. <i>Physical Review Fluids</i> , <b>2019</b> , 4,	2.8	5
156	Inertial migration of a deformable particle in pipe flow. <i>Physical Review Fluids</i> , <b>2019</b> , 4,	2.8	19
155	Role of large-scale advection and small-scale turbulence on vertical migration of gyrotactic swimmers. <i>Physical Review Fluids</i> , <b>2019</b> , 4,	2.8	4
154	Numerical Approaches to Complex Fluids. <i>Soft and Biological Matter</i> , <b>2019</b> , 1-34	0.8	2
153	Turbulence modulation in channel flow of finite-size spheroidal particles. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 859, 887-901	3.7	23
152	Turbulent duct flow with polymers. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 859, 1057-1083	3.7	21
151	Settling of finite-size particles in turbulence at different volume fractions. <i>Acta Mechanica</i> , <b>2019</b> , 230, 413-430	2.1	10
150	Numerical simulations of emulsions in shear flows. <i>Acta Mechanica</i> , <b>2019</b> , 230, 667-682	2.1	28
149	Modal and non-modal linear stability of Poiseuille flow through a channel with a porous substrate. <i>European Journal of Mechanics, B/Fluids</i> , <b>2019</b> , 75, 29-43	2.4	4
148	Suspensions of deformable particles in a Couette flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2018</b> , 262, 3-11	2.7	24
147	A numerical approach for particle-vortex interactions based on volume-averaged equations. <i>International Journal of Multiphase Flow</i> , <b>2018</b> , 104, 188-205	3.6	8
146	Numerical study of heat transfer in laminar and turbulent pipe flow with finite-size spherical particles. <i>International Journal of Heat and Fluid Flow</i> , <b>2018</b> , 71, 189-199	2.4	25
145	Elastoviscoplastic flows in porous media. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2018</b> , 258, 10-21	2.7	19

144	Broadening of Cloud Droplet Size Spectra by Stochastic Condensation: Effects of Mean Updraft Velocity and CCN Activation. <i>Journals of the Atmospheric Sciences</i> , <b>2018</b> , 75, 451-467	2.1	11
143	Effects of the finite particle size in turbulent wall-bounded flows of dense suspensions. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 843, 450-478	3.7	31
142	Turbulent channel flow over an anisotropic porous wall Drag increase and reduction. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 842, 381-394	3.7	46
141	The effect of polydispersity in a turbulent channel flow laden with finite-size particles. <i>European Journal of Mechanics, B/Fluids</i> , <b>2018</b> , 67, 54-64	2.4	10
140	Interface-resolved simulations of particle suspensions in Newtonian, shear thinning and shear thickening carrier fluids. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 852, 329-357	3.7	23
139	Flexible Fiber Reveals the Two-Point Statistical Properties of Turbulence. <i>Physical Review Letters</i> , <b>2018</b> , 121, 044501	7.4	34
138	Dynamics of Three-Dimensional Turbulent Wall Plumes and Implications for Estimates of Submarine Glacier Melting. <i>Journal of Physical Oceanography</i> , <b>2018</b> , 48, 1941-1950	2.4	10
137	Suspensions of finite-size neutrally buoyant spheres in turbulent duct flow. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 851, 148-186	3.7	19
136	Computational modeling of multiphase viscoelastic and elastoviscoplastic flows. <i>International Journal for Numerical Methods in Fluids</i> , <b>2018</b> , 88, 521-543	1.9	31
135	Turbulent channel flow of an elastoviscoplastic fluid. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 853, 488-514	3.7	18
134	Clustering and increased settling speed of oblate particles at finite Reynolds number. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 848, 696-721	3.7	13
133	Rheology of suspensions of viscoelastic spheres: Deformability as an effective volume fraction. <i>Physical Review Fluids</i> , <b>2018</b> , 3,	2.8	34
132	Effective slip over partially filled microcavities and its possible failure. <i>Physical Review Fluids</i> , <b>2018</b> , 3,	2.8	7
131	Heat transfer in laminar Couette flow laden with rigid spherical particles. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 834, 308-334	3.7	13
130	An efficient mass-preserving interface-correction level set/ghost fluid method for droplet suspensions under depletion forces. <i>Journal of Computational Physics</i> , <b>2018</b> , 353, 435-459	4.1	22
129	Buoyancy-Driven Flow through a Bed of Solid Particles Produces a New Form of Rayleigh-Taylor Turbulence. <i>Physical Review Letters</i> , <b>2018</b> , 121, 224501	7.4	6
128	Experimental investigation of turbulent suspensions of spherical particles in a square duct. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 857, 748-783	3.7	16
127	Numerical simulations of elastic capsules with nucleus in shear flow. <i>European Journal of Computational Mechanics</i> , <b>2017</b> , 26, 131-153	0.5	12

126	Drag reduction in turbulent channel flow laden with finite-size oblate spheroids. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 816, 43-70	3.7	41
125	Inertial migration of spherical and oblate particles in straight ducts. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 819, 540-561	3.7	38
124	Turbulent channel flow of a dense binary mixture of rigid particles. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 818, 623-645	3.7	10
123	Sedimentation of inertia-less prolate spheroids in homogenous isotropic turbulence with application to non-motile phytoplankton. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 831, 655-674	3.7	28
122	Dynamics of a Turbulent Buoyant Plume in a Stratified Fluid: An Idealized Model of Subglacial Discharge in Greenland Fjords. <i>Journal of Physical Oceanography</i> , <b>2017</b> , 47, 2611-2630	2.4	3
121	Numerical simulation of turbulent channel flow over a viscous hyper-elastic wall. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 830, 708-735	3.7	55
120	Integral representation of channel flow with interacting particles. <i>Physical Review E</i> , <b>2017</b> , 96, 063110	2.4	3
119	Two-dimensional numerical simulation of the behavior of a circular capsule subject to an inclined centrifugal force near a plate in a fluid. <i>Journal of Fluid Science and Technology</i> , <b>2017</b> , 12, JFST0015-JFST0015	2.4	15
118	Effect of viscosity ratio on the self-sustained instabilities in planar immiscible jets. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	4
117	Streak instability in viscoelastic Couette flow. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	18
116	Inertial migration in dilute and semidilute suspensions of rigid particles in laminar square duct flow. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	15
115	Numerical study of the sedimentation of spheroidal particles. <i>International Journal of Multiphase Flow</i> , <b>2016</b> , 87, 16-34	3.6	51
114	Universal Scaling Laws for Dense Particle Suspensions in Turbulent Wall-Bounded Flows. <i>Physical Review Letters</i> , <b>2016</b> , 117, 134501	7.4	45
113	Rheology of Confined Non-Brownian Suspensions. <i>Physical Review Letters</i> , <b>2016</b> , 116, 018301	7.4	28
112	Channel flow of rigid sphere suspensions: Particle dynamics in the inertial regime. <i>International Journal of Multiphase Flow</i> , <b>2016</b> , 78, 12-24	3.6	40
111	The effect of particle density in turbulent channel flow laden with finite size particles in semi-dilute conditions. <i>Physics of Fluids</i> , <b>2016</b> , 28, 033301	4.4	49
110	Turbulent Flow of a Suspension of Rigid Spherical Particles in Plane Channels. <i>Springer Proceedings in Physics</i> , <b>2016</b> , 311-315	0.2	
109	Aspect ratio effect on particle transport in turbulent duct flows. <i>Physics of Fluids</i> , <b>2016</b> , 28, 115103	4.4	21

108	Reduced particle settling speed in turbulence. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 808, 153-167	3.7	26
107	Sedimentation of finite-size spheres in quiescent and turbulent environments. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 788, 640-669	3.7	53
106	Particle transport in turbulent curved pipe flow. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 793, 248-279	3.7	24
105	Interaction between a Vertical Turbulent Jet and a Thermocline. <i>Journal of Physical Oceanography</i> , <b>2016</b> , 46, 3415-3437	2.4	9
104	Transition to Turbulence in the Presence of Finite Size Particles. <i>Procedia IUTAM</i> , <b>2015</b> , 14, 211-217		
103	Turbulent bands in plane-Poiseuille flow at moderate Reynolds numbers. <i>Physics of Fluids</i> , <b>2015</b> , 27, 041702	3.7	35
102	Turbulent channel flow of dense suspensions of neutrally buoyant spheres. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 764, 463-487	3.7	154
101	Numerical simulations of aggregate breakup in bounded and unbounded turbulent flows. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 766, 104-128	3.7	30
100	Linear three-dimensional global and asymptotic stability analysis of incompressible open cavity flow. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 768, 113-140	3.7	26
99	Motion of an elastic capsule in a constricted microchannel. <i>European Physical Journal E</i> , <b>2015</b> , 38, 134	1.5	19
98	Particle Velocity and Acceleration in Turbulent Bent Pipe Flows. <i>Flow, Turbulence and Combustion</i> , <b>2015</b> , 95, 539-559	2.5	10
97	The motion of a deforming capsule through a corner. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 770, 374-397	3.7	21
96	Enhanced secondary motion of the turbulent flow through a porous square duct. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 784, 681-693	3.7	28
95	Hydrodynamic Focusing of an Elastic Capsule in Stokes flow: An Exploratory Numerical Study. <i>Procedia IUTAM</i> , <b>2015</b> , 16, 41-49		1
94	Transition and self-sustained turbulence in dilute suspensions of finite-size particles. <i>Theoretical and Applied Mechanics Letters</i> , <b>2015</b> , 5, 121-125	1.8	12
93	Continuous Growth of Droplet Size Variance due to Condensation in Turbulent Clouds. <i>Physical Review Letters</i> , <b>2015</b> , 115, 184501	7.4	48
92	The dynamics of a capsule in a wall-bounded oscillating shear flow. <i>Physics of Fluids</i> , <b>2015</b> , 27, 071902	4.4	14
91	Transition to Turbulence in Viscoelastic Channel Flow. <i>Procedia IUTAM</i> , <b>2015</b> , 14, 519-526		



90	The effect of the Basset history force on particle clustering in homogeneous and isotropic turbulence. <i>Physics of Fluids</i> , <b>2014</b> , 26, 041704	4.4	48
89	Corrections for one- and two-point statistics measured with coarse-resolution particle image velocimetry. <i>Experiments in Fluids</i> , <b>2014</b> , 55, 1	2.5	8
88	Accumulation of motile elongated micro-organisms in turbulence. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 739, 22-36	3.7	46
87	Statistics of Particle Accumulation in Spatially Developing Turbulent Boundary Layers. <i>Flow, Turbulence and Combustion</i> , <b>2014</b> , 92, 27-40	2.5	6
86	A microfluidic device to sort capsules by deformability: a numerical study. <i>Soft Matter</i> , <b>2014</b> , 10, 7705-1136	3.6	37
85	Rotational propulsion enabled by inertia. <i>European Physical Journal E</i> , <b>2014</b> , 37, 16	1.5	2
84	The lift-up effect: The linear mechanism behind transition and turbulence in shear flows. <i>European Journal of Mechanics, B/Fluids</i> , <b>2014</b> , 47, 80-96	2.4	67
83	The planar X-junction flow: stability analysis and control. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 753, 1-28	3.7	37
82	The planar X-junction flow: stability analysis and control [CORRIGENDUM]. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 753, 560-560	3.7	
81	Laminar, turbulent, and inertial shear-thickening regimes in channel flow of neutrally buoyant particle suspensions. <i>Physical Review Letters</i> , <b>2014</b> , 113, 254502	7.4	65
80	Linear and nonlinear evolution of a localized disturbance in polymeric channel flow. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 760, 278-303	3.7	25
79	Analysis of Fluid Systems: Stability, Receptivity, Sensitivity. <i>Applied Mechanics Reviews</i> , <b>2014</b> , 66,	8.6	52
78	Optimal disturbances above and upstream of a flat plate with an elliptic-type leading edge. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2014</b> , 28, 147-157	2.3	
77	Linear stability of particle laden flows: the influence of added mass, fluid acceleration and Basset history force. <i>Meccanica</i> , <b>2014</b> , 49, 811-827	2.1	8
76	Shear thickening in non-Brownian suspensions: an excluded volume effect. <i>Physical Review Letters</i> , <b>2013</b> , 111, 098302	7.4	62
75	Linear stability analysis of channel flow of viscoelastic Oldroyd-B and FENE-P fluids. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 737, 249-279	3.7	50
74	Low-Reynolds-number swimming in a capillary tube. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 726, 285-311	3.7	98
73	Minimal transition thresholds in plane Couette flow. <i>Physics of Fluids</i> , <b>2013</b> , 25, 084103	4.4	51

72	Three-dimensional instability of the flow around a rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 730, 5-18	3.7	41
71	Turbophoresis attenuation in a turbulent channel flow with polymer additives. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 732, 706-719	3.7	13
70	Transition delay in a boundary layer flow using active control. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 731, 288-311	3.7	28
69	Active suspensions in thin films: nutrient uptake and swimmer motion. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 733, 528-557	3.7	45
68	Identifying Turbulent Spots in Transitional Boundary Layers. <i>Journal of Turbomachinery</i> , <b>2013</b> , 135,	1.8	5
67	Dispersion of swimming algae in laminar and turbulent channel flows: consequences for photobioreactors. <i>Journal of the Royal Society Interface</i> , <b>2013</b> , 10, 20121041	4.1	48
66	Numerical study of laminar-turbulent transition in particle-laden channel flow. <i>Physical Review E</i> , <b>2013</b> , 87, 043011	2.4	9
65	Stability of fluids with shear-dependent viscosity in the lid-driven cavity. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2012</b> , 173-174, 49-61	2.7	20
64	Swept wing boundary-layer receptivity to localized surface roughness. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 711, 516-544	3.7	37
63	Self-similar transport of inertial particles in a turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 706, 584-596	3.7	27
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