

# James Feng

## 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.

142  
papers

6,827  
citations

43  
h-index

79  
g-index

151  
ext. papers

7,586  
ext. citations

3.4  
avg. IF

6.14  
L-index

#	Paper	IF	Citations
142	Particle trapped at the isotropic-nematic liquid crystal interface: Elastocapillary phenomena and drag forces.. <i>Physical Review E</i> , <b>2022</b> , 105, 044607	2.4	0
141	Sensitivity Analysis of Adhesion in Computational Model of Elastic Doublet. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 220-233	0.9	0
140	An arbitrary Lagrangian-Eulerian method for simulating interfacial dynamics between a hydrogel and a fluid. <i>Journal of Computational Physics</i> , <b>2021</b> , 110851	4.1	2
139	Phase-field model for elastocapillary flows of liquid crystals. <i>Physical Review E</i> , <b>2021</b> , 103, 022706	2.4	2
138	Long term sedimentation of an elliptic disc subject to an electrostatic field using smoothed particle hydrodynamics method. <i>International Journal of Multiphase Flow</i> , <b>2021</b> , 135, 103524	3.6	0
137	Particle rotation speeds up capillary interactions. <i>European Physical Journal E</i> , <b>2021</b> , 44, 30	1.5	0
136	A mechanical test of the tenertaxis hypothesis for leukocyte diapedesis. <i>European Physical Journal E</i> , <b>2021</b> , 44, 93	1.5	0
135	Tear-film breakup: The role of membrane-associated mucin polymers. <i>Physical Review E</i> , <b>2021</b> , 103, 013104	2.4	1
134	A model of tear-film breakup with continuous mucin concentration and viscosity profiles □ CORRIGENDUM. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 889,	3.7	2
133	A biomechanical model for the transendothelial migration of cancer cells. <i>Physical Biology</i> , <b>2020</b> , 17, 036004	3	4
132	Drag force on a particle straddling a fluid interface: Influence of interfacial deformations. <i>European Physical Journal E</i> , <b>2020</b> , 43, 13	1.5	9
131	A Rho-GTPase based model explains group advantage in collective chemotaxis of neural crest cells. <i>Physical Biology</i> , <b>2020</b> , 17, 036002	3	2
130	Modeling of van der Waals force with smoothed particle hydrodynamics: Application to the rupture of thin liquid films. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 83, 719-735	4.5	2
129	Boundary conditions at a gel-fluid interface. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	4
128	Simulation of nanoparticle transport and adsorption in a microfluidic lung-on-a-chip device. <i>Biomicrofluidics</i> , <b>2020</b> , 14, 044117	3.2	6
127	A fate-alternating transitional regime in contracting liquid filaments. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 860, 640-653	3.7	18
126	Dielectrophoretic interaction of circular particles in a uniform electric field. <i>European Journal of Mechanics, B/Fluids</i> , <b>2019</b> , 78, 194-202	2.4	2

125	A model of tear-film breakup with continuous mucin concentration and viscosity profiles. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 858, 352-376	3.7	11
124	Forced dewetting in a capillary tube. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 859, 308-320	3.7	6
123	A Rho-GTPase based model explains spontaneous collective migration of neural crest cell clusters. <i>Developmental Biology</i> , <b>2018</b> , 444 Suppl 1, S262-S273	3.1	14
122	Interaction of a pair of ferrofluid drops in a rotating magnetic field. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 846, 121-142	3.7	16
121	Hydrodynamic Interactions Among Bubbles, Drops, and Particles in Non-Newtonian Liquids. <i>Annual Review of Fluid Mechanics</i> , <b>2018</b> , 50, 505-534	22	63
120	Modeling cell intercalation during <i>Drosophila</i> germband extension. <i>Physical Biology</i> , <b>2018</b> , 15, 066008	3	7
119	Dynamics of PAR Proteins Explain the Oscillation and Ratcheting Mechanisms in Dorsal Closure. <i>Biophysical Journal</i> , <b>2018</b> , 115, 2230-2241	2.9	8
118	Asymmetric drop coalescence launches fungal ballistospores with directionality. <i>Journal of the Royal Society Interface</i> , <b>2017</b> , 14,	4.1	22
117	Interfacial dynamics in complex fluids. <i>Journal of Fluid Science and Technology</i> , <b>2016</b> , 11, JFST0021-JFST0021	3.4	3
116	The effect of normal electric field on the evolution of immiscible Rayleigh-Taylor instability. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2016</b> , 30, 469-483	2.3	4
115	Capillary-inertial colloidal catapults upon drop coalescence. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 011601	3.4	12
114	Film deposition and transition on a partially wetting plate in dip coating [CORRIGENDUM]. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 796, 789-789	3.7	
113	Film deposition and transition on a partially wetting plate in dip coating. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 791, 358-383	3.7	26
112	An incompressible smoothed particle hydrodynamics method for the motion of rigid bodies in fluids. <i>Journal of Computational Physics</i> , <b>2015</b> , 297, 207-220	4.1	42
111	Self-propelled sweeping removal of dropwise condensate. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 221601	3.4	80
110	A biomechanical model for cell polarization and intercalation during <i>Drosophila</i> germband extension. <i>Physical Biology</i> , <b>2015</b> , 12, 056011	3	20
109	Self-Propelled Droplet Removal from Hydrophobic Fiber-Based Coalescers. <i>Physical Review Letters</i> , <b>2015</b> , 115, 074502	7.4	59
108	Modeling the Mechanosensitivity of Neutrophils Passing through a Narrow Channel. <i>Biophysical Journal</i> , <b>2015</b> , 109, 2235-45	2.9	9

107	Temporal evolution of microstructure and rheology of sheared two-dimensional foams. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2015</b> , 223, 1-8	2.7	1
106	The critical pressure for driving a red blood cell through a contracting microfluidic channel. <i>Theoretical and Applied Mechanics Letters</i> , <b>2015</b> , 5, 227-230	1.8	7
105	A biomechanical model for fluidization of cells under dynamic strain. <i>Biophysical Journal</i> , <b>2015</b> , 108, 43-52	9	13
104	Bubble migration in two-dimensional foam sheared in a wide-gap Couette device: Effects of non-Newtonian rheology. <i>Journal of Rheology</i> , <b>2014</b> , 58, 1809-1827	4.1	2
103	Comment on Machado et al., "Cytoskeletal turnover and myosin contractility drive cell autonomous oscillations in a model of Drosophila dorsal closure" <i>European Physical Journal: Special Topics</i> , <b>2014</b> , 223, 1437-1439	2.3	1
102	Motion and coalescence of sessile drops driven by substrate wetting gradient and external flow. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 746, 214-235	3.7	23
101	Auto-ejection of liquid drops from capillary tubes. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 752, 670-692	3.7	9
100	Self-propelled jumping upon drop coalescence on Leidenfrost surfaces. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 752, 22-38	3.7	68
99	Numerical simulations of self-propelled jumping upon drop coalescence on non-wetting surfaces. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 752, 39-65	3.7	162
98	Simulation of malaria-infected red blood cells in microfluidic channels: Passage and blockage. <i>Biomicrofluidics</i> , <b>2013</b> , 7, 44115	3.2	70
97	Size segregation in sheared two-dimensional polydisperse foam. <i>Langmuir</i> , <b>2013</b> , 29, 1370-8	4	9
96	Capillary breakup of a liquid torus. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 717, 281-292	3.7	31
95	Simulations of the breakup of liquid filaments on a partially wetting solid substrate. <i>Physics of Fluids</i> , <b>2013</b> , 25, 072102	4.4	11
94	Bazooka inhibits aPKC to limit antagonism of actomyosin networks during amnioserosa apical constriction. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 4719-29	6.6	35
93	Relative permeability for two-phase flow through corrugated tubes as model porous media. <i>International Journal of Multiphase Flow</i> , <b>2012</b> , 47, 85-93	3.6	23
92	A cell-level biomechanical model of Drosophila dorsal closure. <i>Biophysical Journal</i> , <b>2012</b> , 103, 2265-74	2.9	30
91	Size-differentiated lateral migration of bubbles in Couette flow of two-dimensional foam. <i>Physical Review Letters</i> , <b>2012</b> , 109, 084502	7.4	7
90	How malaria parasites reduce the deformability of infected red blood cells. <i>Biophysical Journal</i> , <b>2012</b> , 103, 1-10	2.9	112

89	Phase-field simulations of dynamic wetting of viscoelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2012</b> , 189-190, 8-13	2.7	23
88	Anomalous coalescence in sheared two-dimensional foam. <i>Physical Review E</i> , <b>2012</b> , 85, 066301	2.4	7
87	A Phase-Field-Based Hybrid Lattice-Boltzmann Finite-Volume Method and Its Application to Simulate Droplet Motion under Electrowetting Control. <i>Journal of Adhesion Science and Technology</i> , <b>2012</b> , 26, 1825-1851	2	19
86	A computational model of cell polarization and motility coupling mechanics and biochemistry. <i>Multiscale Modeling and Simulation</i> , <b>2011</b> , 9, 1420-1443	1.8	50
85	Spreading and breakup of a compound drop on a partially wetting substrate. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 682, 415-433	3.7	43
84	A numerical investigation of the propulsion of water walkers. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 668, 363-383	3.7	35
83	Pressure boundary conditions for computing incompressible flows with SPH. <i>Journal of Computational Physics</i> , <b>2011</b> , 230, 7473-7487	4.1	72
82	Interfacial flows in corrugated microchannels: Flow regimes, transitions and hysteresis. <i>International Journal of Multiphase Flow</i> , <b>2011</b> , 37, 1266-1276	3.6	21
81	Can diffuse-interface models quantitatively describe moving contact lines?. <i>European Physical Journal: Special Topics</i> , <b>2011</b> , 197, 37-46	2.3	41
80	Discussion notes on Slip velocity during the flow of a liquid over a solid surface by E. Ruckenstein. <i>European Physical Journal: Special Topics</i> , <b>2011</b> , 197, 211-211	2.3	
79	Hydrodynamic interaction between a pair of bubbles ascending in shear-thinning inelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2011</b> , 166, 118-132	2.7	48
78	Wicking flow through microchannels. <i>Physics of Fluids</i> , <b>2011</b> , 23, 122108	4.4	42
77	Wall energy relaxation in the Cahn-Hilliard model for moving contact lines. <i>Physics of Fluids</i> , <b>2011</b> , 23, 012106	4.4	75
76	Sharp-interface limit of the Cahn-Hilliard model for moving contact lines. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 645, 279-294	3.7	237
75	Dynamic Simulation of Capillary Breakup of Nematic Fibers: Molecular Orientation and Interfacial Rupture. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2010</b> , 7, 683-692	0.3	2
74	3D phase-field simulations of interfacial dynamics in Newtonian and viscoelastic fluids. <i>Journal of Computational Physics</i> , <b>2010</b> , 229, 498-511	4.1	85
73	Selective withdrawal of polymer solutions: Computations. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2010</b> , 165, 839-851	2.7	11
72	Selective withdrawal of polymer solutions: Experiments. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2010</b> , 165, 829-838	2.7	8

71	Enhanced slip on a patterned substrate due to depinning of contact line. <i>Physics of Fluids</i> , <b>2009</b> , 21, 102102	4.2	54
70	A particle-based model for the transport of erythrocytes in capillaries. <i>Chemical Engineering Science</i> , <b>2009</b> , 64, 4488-4497	4.4	106
69	Flow patterns in the sedimentation of an elliptical particle. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 625, 249-273	3.7	115
68	A general criterion for viscoelastic secondary flow in pipes of noncircular cross section. <i>Journal of Rheology</i> , <b>2008</b> , 52, 315-332	4.1	43
67	Viscoelastic effects on drop deformation in a converging pipe flow. <i>Journal of Rheology</i> , <b>2008</b> , 52, 469-487	4.1	15
66	Elastic encapsulation in bicomponent stratified flow of viscoelastic fluids. <i>Journal of Rheology</i> , <b>2008</b> , 52, 1027-1042	4.1	19
65	Dynamic simulation of droplet interaction and self-assembly in a nematic liquid crystal. <i>Langmuir</i> , <b>2008</b> , 24, 3099-110	4	34
64	Viscoelastic flow simulation of polytetrafluoroethylene (PTFE) paste extrusion. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2008</b> , 153, 25-33	2.7	13
63	Deformation of a compound drop through a contraction in a pressure-driven pipe flow. <i>International Journal of Multiphase Flow</i> , <b>2008</b> , 34, 102-109	3.6	49
62	The nucleation and growth of gas bubbles in a Newtonian fluid: an energetic variational phase field approach. <i>Contemporary Mathematics</i> , <b>2008</b> , 95-120	1.6	6
61	The rise of Newtonian drops in a nematic liquid crystal. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 593, 385-404	3.7	39
60	Rheology and relaxation processes in a melting thermotropic liquid crystalline polymer. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 3780-3787	2.9	12
59	Spontaneous shrinkage of drops and mass conservation in phase-field simulations. <i>Journal of Computational Physics</i> , <b>2007</b> , 223, 1-9	4.1	153
58	An arbitrary Lagrangian-Eulerian method for simulating bubble growth in polymer foaming. <i>Journal of Computational Physics</i> , <b>2007</b> , 226, 2229-2249	4.1	36
57	Simulation of neutrophil deformation and transport in capillaries using newtonian and viscoelastic drop models. <i>Annals of Biomedical Engineering</i> , <b>2007</b> , 35, 766-80	4.7	26
56	Liquid crystal droplet production in a microfluidic device. <i>Liquid Crystals</i> , <b>2007</b> , 34, 861-870	2.3	45
55	Heart-shaped bubbles rising in anisotropic liquids. <i>Physics of Fluids</i> , <b>2007</b> , 19, 041703	4.4	9
54	A novel low inertia shear flow instability triggered by a chemical reaction. <i>Physics of Fluids</i> , <b>2007</b> , 19, 083102	4.4	11

53	Dynamic evolution of topological defects around drops and bubbles rising in a nematic liquid crystal. <i>Physical Review Letters</i> , <b>2007</b> , 99, 237802	7.4	40
52	Dynamic interfacial tension between a thermotropic liquid-crystalline polymer and a flexible polymer. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 101, 3114-3120	2.9	
51	An analytical flow model for PTFE paste through annular dies. <i>AIChE Journal</i> , <b>2006</b> , 52, 4028-4038	3.6	11
50	An experimental study of the coalescence between a drop and an interface in Newtonian and polymeric liquids. <i>Physics of Fluids</i> , <b>2006</b> , 18, 092103	4.4	29
49	Partial coalescence between a drop and a liquid-liquid interface. <i>Physics of Fluids</i> , <b>2006</b> , 18, 051705	4.4	53
48	A computational study of the coalescence between a drop and an interface in Newtonian and viscoelastic fluids. <i>Physics of Fluids</i> , <b>2006</b> , 18, 102102	4.4	63
47	Mathematical simulation of muscle cross-bridge cycle and force-velocity relationship. <i>Biophysical Journal</i> , <b>2006</b> , 91, 3653-63	2.9	25
46	Formation of simple and compound drops in microfluidic devices. <i>Physics of Fluids</i> , <b>2006</b> , 18, 092105	4.4	152
45	Plasticization effects on bubble growth during polymer foaming. <i>Polymer Engineering and Science</i> , <b>2006</b> , 46, 97-107	2.3	49
44	Constitutive modeling and flow simulation of polytetrafluoroethylene (PTFE) paste extrusion. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2006</b> , 139, 44-53	2.7	34
43	Numerical simulations of jet pinching-off and drop formation using an energetic variational phase-field method. <i>Journal of Computational Physics</i> , <b>2006</b> , 218, 417-428	4.1	163
42	Phase-field simulations of interfacial dynamics in viscoelastic fluids using finite elements with adaptive meshing. <i>Journal of Computational Physics</i> , <b>2006</b> , 219, 47-67	4.1	271
41	Viscoelastic effects on drop deformation in steady shear. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 540, 427	3.7	86
40	Diffuse-interface simulations of drop coalescence and retraction in viscoelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2005</b> , 129, 163-176	2.7	101
39	Extensional viscosity of a thermotropic liquid crystalline polymer measured by thread disintegration method. <i>Polymer Testing</i> , <b>2005</b> , 24, 513-518	4.5	3
38	Interfacial forces and Marangoni flow on a nematic drop retracting in an isotropic fluid. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 290, 281-8	9.3	26
37	Transient drop deformation upon startup of shear in viscoelastic fluids. <i>Physics of Fluids</i> , <b>2005</b> , 17, 123104	4.4	38
36	An Energetic Variational Formulation with Phase Field Methods for Interfacial Dynamics of Complex Fluids: Advantages and Challenges. <i>The IMA Volumes in Mathematics and Its Applications</i> , <b>2005</b> , 1-26	0.5	27

35 Ziegler *Natta Catalysis* **2005**, 3247-3259

34 Dynamic interfacial properties between a flexible-chain polymer and a thermotropic liquid crystalline polymer investigated by an ellipsoidal drop retraction method. *Journal of Applied Polymer Science*, **2004**, 94, 1404-1410 2.9 8

33 Orientational defects near colloidal particles in a nematic liquid crystal. *Journal of Colloid and Interface Science*, **2004**, 269, 72-8 9.3 13

32 A diffuse-interface method for simulating two-phase flows of complex fluids. *Journal of Fluid Mechanics*, **2004**, 515, 293-317 3.7 629

31 Prediction of bubble growth and size distribution in polymer foaming based on a new heterogeneous nucleation model. *Journal of Rheology*, **2004**, 48, 439-462 4.1 94

30 Simulation of the sedimentation of melting solid particles. *International Journal of Multiphase Flow*, **2003**, 29, 751-769 3.6 39

29 Stretching of a straight electrically charged viscoelastic jet. *Journal of Non-Newtonian Fluid Mechanics*, **2003**, 116, 55-70 2.7 157

28 Direct numerical simulation of the sedimentation of solid particles with thermal convection. *Journal of Fluid Mechanics*, **2003**, 481, 385-411 3.7 97

27 Effects of elastic anisotropy on the flow and orientation of sheared nematic liquid crystals. *Journal of Rheology*, **2003**, 47, 1051-1070 4.1 8

26 The shear flow behavior of LCPs based on a generalized Doi model with distortional elasticity. *Journal of Non-Newtonian Fluid Mechanics*, **2002**, 102, 361-382 2.7 44

25 The stretching of an electrified non-Newtonian jet: A model for electrospinning. *Physics of Fluids*, **2002**, 14, 3912-3926 4.4 271

24 ORIENTATION OF SYMMETRIC BODIES FALLING IN A SECOND-ORDER LIQUID AT NONZERO REYNOLDS NUMBER. *Mathematical Models and Methods in Applied Sciences*, **2002**, 12, 1653-1690 3.5 23

23 Roll cells and disclinations in sheared nematic polymers. *Journal of Fluid Mechanics*, **2001**, 449, 179-200 3.7 23

22 Transient extension and relaxation of a dilute polymer solution in a four-roll mill. *Journal of Non-Newtonian Fluid Mechanics*, **2000**, 90, 117-123 2.7 10

21 A theory for flowing nematic polymers with orientational distortion. *Journal of Rheology*, **2000**, 44, 1085-1101 4.1 69

20 Pressure-driven channel flows of a model liquid-crystalline polymer. *Physics of Fluids*, **1999**, 11, 2821-2835 4.4 35

19 Closure approximations for the Doi theory: Which to use in simulating complex flows of liquid-crystalline polymers?. *Journal of Rheology*, **1998**, 42, 1095-1119 4.1 82

18 Direct simulation of the motion of solid particles in Couette and Poiseuille flows of viscoelastic fluids. *Journal of Fluid Mechanics*, **1997**, 343, 73-94 3.7 100



17	Simulating complex flows of liquid-crystalline polymers using the Doi theory. <i>Journal of Rheology</i> , <b>1997</b> , 41, 1317-1335	4.1	40
16	Numerical simulations of the flow of dilute polymer solutions in a four-roll mill. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>1997</b> , 72, 187-218	2.7	21
15	The motion of solid particles suspended in viscoelastic liquids under torsional shear. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 324, 199-222	3.7	30
14	The motion of a solid sphere suspended by a Newtonian or viscoelastic jet. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 315, 367-385	3.7	9
13	Dynamic simulation of sedimentation of solid particles in an Oldroyd-B fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>1996</b> , 63, 63-88	2.7	70
12	A note on the forces that move particles in a second-order fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>1996</b> , 64, 299-302	2.7	40
11	Wall effects on the flow of viscoelastic fluids around a circular cylinder. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>1995</b> , 60, 179-198	2.7	62
10	The unsteady motion of solid bodies in creeping flows. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 303, 83-102	3.7	68
9	Dynamic simulation of the motion of capsules in pipelines. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 286, 201-227	3.7	41
8	A three-dimensional computation of the force and torque on an ellipsoid settling slowly through a viscoelastic fluid. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 283, 1-16	3.7	30
7	The negative wake in a second-order fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>1995</b> , 57, 313-320	2.7	9
6	Aggregation and dispersion of spheres falling in viscoelastic liquids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>1994</b> , 54, 45-86	2.7	119
5	Direct simulation of initial value problems for the motion of solid bodies in a Newtonian fluid. Part 2. Couette and Poiseuille flows. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 277, 271-301	3.7	289
4	The turning couples on an elliptic particle settling in a vertical channel. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 271, 1-16	3.7	54
3	Direct simulation of initial value problems for the motion of solid bodies in a Newtonian fluid Part 1. Sedimentation. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 261, 95-134	3.7	351
2	Rod climbing and normal stresses in heavy crude oils at low shears. <i>Journal of Rheology</i> , <b>1994</b> , 38, 1251-1270	3.7	11
1	Anomalous rolling of spheres down an inclined plane. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>1993</b> , 50, 305-329	2.7	33