## Donald L Koch

# List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/5016926/donald-l-koch-publications-by-year.pdf

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139 6,268 41 76 g-index

143 6,901 4.3 6.07 ext. papers ext. citations avg, IF L-index

#	Paper	IF	Citations
139	Electroconvection near an ion-selective surface with ButlerVolmer kinetics. <i>Journal of Fluid Mechanics</i> , <b>2022</b> , 930,	3.7	2
138	Suppression of electroconvective and morphological instabilities by an imposed cross flow of the electrolyte. <i>Physical Review Fluids</i> , <b>2021</b> , 6,	2.8	3
137	Discrete fracture network model analysis of the effects of fluid transport on the morphology of a cluster of activated fractures. <i>Physical Review E</i> , <b>2021</b> , 103, 053112	2.4	
136	Electrophoresis in dilute polymer solutions. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 884,	3.7	7
135	Predictive Inverse Model for Advective Heat Transfer in a Short-Circuited Fracture: Dimensional Analysis, Machine Learning, and Field Demonstration. <i>Water Resources Research</i> , <b>2020</b> , 56, e2020WR02	7 <i>0</i> 645	4
134	The combined hydrodynamic and thermodynamic effects of immobilized proteins on the diffusion of mobile transmembrane proteins. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 877, 648-681	3.7	3
133	Slender body theory for particles with non-circular cross-sections with application to particle dynamics in shear flows. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 877, 1098-1133	3.7	7
132	The hydrodynamic lift of a slender, neutrally buoyant fibre in a wall-bounded shear flow at small Reynolds number. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 879, 121-146	3.7	2
131	Clustering of rapidly settling, low-inertia particle pairs in isotropic turbulence. Part 1. Drift and diffusion flux closures. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 871, 450-476	3.7	4
130	Clustering of rapidly settling, low-inertia particle pairs in isotropic turbulence. Part 2. Comparison of theory and DNS. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 871, 477-488	3.7	3
129	Electroconvection in a Viscoelastic Electrolyte. <i>Physical Review Letters</i> , <b>2019</b> , 122, 124501	7.4	29
128	Equilibrium Modeling of the Mechanics and Structure of the Cancer Glycocalyx. <i>Biophysical Journal</i> , <b>2019</b> , 116, 694-708	2.9	15
127	The rapid distortion of two-way coupled particle-laden turbulence. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 877, 82-104	3.7	3
126	Inertial torques and a symmetry breaking orientational transition in the sedimentation of slender fibres. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 875, 576-596	3.7	9
125	Clustering in Euler Euler and Euler Lagrange simulations of unbounded homogeneous particle-laden shear. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 859, 174-203	3.7	14
124	Modeling the dynamics of remobilized CO2 within the geologic subsurface. <i>International Journal of Greenhouse Gas Control</i> , <b>2018</b> , 70, 128-145	4.2	2
123	Controlling rotation and migration of rings in a simple shear flow through geometric modifications. Journal of Fluid Mechanics, <b>2018</b> , 840, 379-407	3.7	5

## (2015-2018)

122	Heat/mass transfer from a neutrally buoyant sphere by mixed natural and forced convection in a simple shear flow. <i>AICHE Journal</i> , <b>2018</b> , 64, 2816-2827	3.6	4
121	Electroconvection and Morphological Instabilities in Potentiostatic Electrodeposition across Liquid Electrolytes with Polymer Additives. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A3697-A3713	3.9	17
120	The effects of fluid transport on the creation of a dense cluster of activated fractures in a porous medium. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 847, 286-328	3.7	2
119	Stochastic theory and direct numerical simulations of the relative motion of high-inertia particle pairs in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 813, 205-249	3.7	8
118	An algorithm for solving the NavierBtokes equations with shear-periodic boundary conditions and its application to homogeneously sheared turbulence. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 833, 687-716	3.7	9
117	An analytical thermohydraulic model for discretely fractured geothermal reservoirs. <i>Water Resources Research</i> , <b>2016</b> , 52, 6792-6817	5.4	11
116	Stabilizing electrodeposition in elastic solid electrolytes containing immobilized anions. <i>Science Advances</i> , <b>2016</b> , 2, e1600320	14.3	183
115	Multiscale Simulation and Modeling of Multilayer Heteroepitactic Growth of C60 on Pentacene. <i>Langmuir</i> , <b>2016</b> , 32, 3045-56	4	11
114	Stress in a dilute suspension of spheres in a dilute polymer solution subject to simple shear flow at finite Deborah numbers. <i>Physical Review Fluids</i> , <b>2016</b> , 1,	2.8	16
113	Pseudo-turbulent heat flux and average gasphase conduction during gasbolid heat transfer: flow past random fixed particle assemblies. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 798, 299-349	3.7	31
112	Analysis of a time dependent injection strategy to accelerate the residual trapping of sequestered CO 2 in the geologic subsurface. <i>International Journal of Greenhouse Gas Control</i> , <b>2016</b> , 44, 185-198	4.2	6
111	Brownian Dynamics of a Suspension of Particles with Constrained Voronoi Cell Volumes. <i>Langmuir</i> , <b>2015</b> , 31, 6829-41	4	5
110	Emergence of upstream swimming via a hydrodynamic transition. <i>Physical Review Letters</i> , <b>2015</b> , 114, 108102	7.4	65
109	The effect of shear flow on the rotational diffusion of a single axisymmetric particle. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 772, 42-79	3.7	20
108	Preferential concentration driven instability of sheared gasBolid suspensions. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 770, 85-123	3.7	6
107	Hyperdiffusive Dynamics in Newtonian Nanoparticle Fluids. ACS Macro Letters, 2015, 4, 1149-1153	6.6	23
106	Slender-body theory for transient heat conduction: theoretical basis, numerical implementation and case studies. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2015</b> , 471, 20150494	2.4	1
105	The average stress in a suspension of cube-shaped magnetic particles subject to shear and magnetic fields. <i>Physics of Fluids</i> , <b>2015</b> , 27, 093101	4.4	3

104	Hydrodynamic tracer diffusion in suspensions of swimming bacteria. <i>Physics of Fluids</i> , <b>2014</b> , 26, 081901	4.4	78
103	Structure factor of blends of solvent-free nanoparticle-organic hybrid materials: density-functional theory and small angle X-ray scattering. <i>Soft Matter</i> , <b>2014</b> , 10, 9120-35	3.6	27
102	Instability of an inhomogeneous bacterial suspension subjected to a chemo-attractant gradient. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 741, 619-657	3.7	9
101	Rotational motion of a thin axisymmetric disk in a low Reynolds number linear flow. <i>Physics of Fluids</i> , <b>2014</b> , 26, 033303	4.4	13
100	Bacterial collective motion near the contact line of an evaporating sessile drop. <i>Physics of Fluids</i> , <b>2014</b> , 26, 111703	4.4	14
99	A stochastic model for the relative motion of high Stokes number particles in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 756, 870-902	3.7	19
98	Stability Analysis of Electrodeposition across a Structured Electrolyte with Immobilized Anions. Journal of the Electrochemical Society, <b>2014</b> , 161, A847-A855	3.9	159
97	Intrinsic viscosity of a suspension of cubes. <i>Physical Review E</i> , <b>2013</b> , 88, 052302	2.4	10
96	Rigid ring-shaped particles that align in simple shear flow. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 722, 121-15	<b>8</b> 3.7	12
95	Predicting the disorder-order transition of solvent-free nanoparticle-organic hybrid materials. <i>Langmuir</i> , <b>2013</b> , 29, 8197-202	4	12
94	Flow of power-law fluids in fixed beds of cylinders or spheres. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 713, 49	1-5 <del>7</del> 27	5
93	Dynamics of solvent-free grafted nanoparticles. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 044902	3.9	43
92	Collective Hydrodynamics of Swimming Microorganisms: Living Fluids. <i>Annual Review of Fluid Mechanics</i> , <b>2011</b> , 43, 637-659	22	279
91	Structure of solvent-free grafted nanoparticles: molecular dynamics and density-functional theory. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 114901	3.9	48
90	The influence of the inertially dominated outer region on the rheology of a dilute dispersion of low-Reynolds-number drops or rigid particles. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 674, 307-358	3.7	23
89	Mass/heat transfer from a neutrally buoyant sphere in simple shear flow at finite Reynolds and Peclet numbers. <i>AICHE Journal</i> , <b>2011</b> , 57, 1419-1433	3.6	19
88	Noncontinuum drag force on a nanowire vibrating normal to a wall: Simulations and theory. <i>Physics of Fluids</i> , <b>2010</b> , 22, 103101	4.4	14
87	Structure of solvent-free nanoparticle-organic hybrid materials. <i>Langmuir</i> , <b>2010</b> , 26, 16801-11	4	62

#### (2004-2009)

86	An efficient direct simulation Monte Carlo method for low Mach number noncontinuum gas flows based on the Bhatnagar <b>G</b> ross <b>K</b> rook model. <i>Physics of Fluids</i> , <b>2009</b> , 21, 033103	4.4	14
85	Structure and dynamics of dilute suspensions of finite-Reynolds-number settling fibers. <i>Physics of Fluids</i> , <b>2009</b> , 21, 123304	4.4	23
84	Hydrodynamic diffusion and mass transfer across a sheared suspension of neutrally buoyant spheres. <i>Physics of Fluids</i> , <b>2009</b> , 21, 033303	4.4	17
83	Dense, bounded shear flows of agitated solid spheres in a gas at intermediate Stokes and finite Reynolds numbers. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 618, 181-208	3.7	5
82	Clusters of sedimenting high-Reynolds-number particles. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 625, 371-385	5 3.7	11
81	Velocity fluctuations and hydrodynamic diffusion in finite-Reynolds-number sedimenting suspensions. <i>Physics of Fluids</i> , <b>2008</b> , 20, 043305	4.4	30
80	Evolution of clusters of sedimenting low-Reynolds-number particles with Oseen interactions. Journal of Fluid Mechanics, <b>2008</b> , 603, 63-100	3.7	33
79	A kinetic theory for particulate systems with bimodal and anisotropic velocity fluctuations. <i>Physics of Fluids</i> , <b>2008</b> , 20, 123303	4.4	6
78	The lift force on a bubble in a sheared suspension in a slightly inclined channel. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 615, 27-51	3.7	3
77	A pseudospectral method to evaluate the fluid velocity produced by an array of translating slender fibers. <i>Physics of Fluids</i> , <b>2006</b> , 18, 063301	4.4	13
76	Rheology of particle suspensions with low to moderate fluid inertia at finite particle inertia. <i>Physics of Fluids</i> , <b>2006</b> , 18, 083303	4.4	26
75	Inertial effects on the transfer of heat or mass from neutrally buoyant spheres in a steady linear velocity field. <i>Physics of Fluids</i> , <b>2006</b> , 18, 073302	4.4	54
74	The stress in a dilute suspension of spheres suspended in a second-order fluid subject to a linear velocity field. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2006</b> , 138, 87-97	2.7	49
73	Rotational and translational dispersion of fibres in isotropic turbulent flows. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 540, 143	3.7	81
72	Clustering of aerosol particles in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 536, 219-251	3.7	193
71	Inertial effects on fibre motion in simple shear flow. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 535, 383-414	3.7	86
70	Bubble-size dependence of the critical electrolyte concentration for inhibition of coalescence. Journal of Colloid and Interface Science, <b>2004</b> , 275, 290-7	9.3	68
69	Coalescence and bouncing of small aerosol droplets. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 518, 157-185	3.7	47

68	Shear flow of a suspension of bubbles rising in an inclined channel. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 515, 261-292	3.7	9
67	Rheology of suspensions with high particle inertia and moderate fluid inertia. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 480, 95-118	3.7	111
66	Coagulation-induced particle-concentration fluctuations in homogeneous, isotropic turbulence. <i>Physics of Fluids</i> , <b>2002</b> , 14, 2447	4.4	12
65	The transition from steady to weakly turbulent flow in a close-packed ordered array of spheres. Journal of Fluid Mechanics, <b>2002</b> , 465, 59-97	3.7	41
64	Finite-Weber-number motion of bubbles through a nearly inviscid liquid. <i>Journal of Fluid Mechanics</i> , <b>2002</b> , 460, 241-280	3.7	39
63	Collision and rebound of small droplets in an incompressible continuum gas. <i>Journal of Fluid Mechanics</i> , <b>2002</b> , 454, 145-201	3.7	34
62	Moderate-Reynolds-number flow in a wall-bounded porous medium. <i>Journal of Fluid Mechanics</i> , <b>2002</b> , 453, 315-344	3.7	22
61	Dynamics of droplet rebound from a weakly deformable gasIlquid interface. <i>Physics of Fluids</i> , <b>2001</b> , 13, 3526-3532	4.4	12
60	INERTIAL EFFECTS IN SUSPENSION AND POROUS-MEDIA FLOWS. <i>Annual Review of Fluid Mechanics</i> , <b>2001</b> , 33, 619-647	22	246
59	The first effects of fluid inertia on flows in ordered and random arrays of spheres. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 448, 213-241	3.7	296
58	Moderate-Reynolds-number flows in ordered and random arrays of spheres. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 448, 243-278	3.7	354
57	Rheology of non-Brownian rigid fiber suspensions with adhesive contacts. <i>Journal of Rheology</i> , <b>2001</b> , 45, 369-382	4.1	90
56	Measurements of the average properties of a suspension of bubbles rising in a vertical channel. Journal of Fluid Mechanics, <b>2001</b> , 429, 307-342	3.7	106
55	Particle clustering due to hydrodynamic interactions. <i>Physics of Fluids</i> , <b>2000</b> , 12, 964-970	4.4	61
54	Particle pressure and marginal stability limits for a homogeneous monodisperse gas-fluidized bed: kinetic theory and numerical simulations. <i>Journal of Fluid Mechanics</i> , <b>1999</b> , 400, 229-263	3.7	180
53	Hydrodynamic interactions between two equal spheres in a highly rarefied gas. <i>Physics of Fluids</i> , <b>1999</b> , 11, 2772-2787	4.4	11
52	Numerical simulations of a sphere settling through a suspension of neutrally buoyant fibres. <i>Journal of Fluid Mechanics</i> , <b>1999</b> , 388, 355-388	3.7	50
51	Electrical conductivity of isotropic fibre suspensions. <i>Proceedings of the Royal Society A:</i> Mathematical, Physical and Engineering Sciences, <b>1999</b> , 455, 1923-1930	2.4	4

#### (1995-1999)

50	Interfacial Tension at the Boundary Between Nematic and Isotropic Phases of a Hard Rod Solution. <i>Macromolecules</i> , <b>1999</b> , 32, 219-226	5.5	42
49	The inhomogeneous structure of a bidisperse sedimenting gasBolid suspension. <i>Physics of Fluids</i> , <b>1999</b> , 11, 3283-3305	4.4	14
48	Hydrodynamic and boundary-layer dispersion in bidisperse porous media. <i>Journal of Fluid Mechanics</i> , <b>1999</b> , 385, 359-379	3.7	19
47	Interactions between contacting fibers. <i>Physics of Fluids</i> , <b>1998</b> , 10, 2111-2113	4.4	30
46	Turbulent coagulation of colloidal particles. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 364, 81-113	3.7	63
45	Observations of coagulation in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 371, 81-107	3.7	29
44	Rheology of dense bubble suspensions. <i>Physics of Fluids</i> , <b>1997</b> , 9, 1540-1561	4.4	37
43	A method for calculating hydrodynamic interactions between two bodies in low Mach number free-molecular flows with application to the resistivity functions for two aligned cylinders. <i>Physics of Fluids</i> , <b>1997</b> , 9, 3550-3565	4.4	8
42	Lubrication flows between spherical particles colliding in a compressible non-continuum gas. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 344, 245-269	3.7	14
41	Observations of high Reynolds number bubbles interacting with a rigid wall. <i>Physics of Fluids</i> , <b>1997</b> , 9, 44-56	4.4	117
40	Moderate Reynolds number flows through periodic and random arrays of aligned cylinders. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 349, 31-66	3.7	208
39	Instability of Sedimenting Bidisperse Particle Gas Suspensions. <i>Flow, Turbulence and Combustion</i> , <b>1997</b> , 58, 275-303		6
38	Hydrodynamic diffusion near solid boundaries with applications to heat and mass transport into sheared suspensions and fixed-fibre beds. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 318, 31	3.7	12
37	Non-continuum lubrication flows between particles colliding in a gas. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 313, 283-308	3.7	40
36	Simple shear flows of dense gas-solid suspensions at finite Stokes numbers. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 313, 309-341	3.7	102
35	Rheology of dilute suspensions of charged fibers. <i>Physics of Fluids</i> , <b>1996</b> , 8, 2792-2807	4.4	33
34	Isotropicflematic phase transitions in aqueous solutions of weakly charged, rodlike polyelectrolytes. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 359-374	3.9	20
33	The effect of hydrodynamic interactions on the orientation distribution in a fiber suspension subject to simple shear flow. <i>Physics of Fluids</i> , <b>1995</b> , 7, 487-506	4.4	109

32	A model for orientational diffusion in fiber suspensions. <i>Physics of Fluids</i> , <b>1995</b> , 7, 2086-2088	4.4	87
31	Simple shear flows of dilute gasBolid suspensions. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 296, 211-245	3.7	55
30	Numerical simulations of the effect of hydrodynamic interactions on diffusivities of integral membrane proteins. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 293, 147-180	3.7	69
29	Numerical and theoretical solutions for a drop spreading below a free fluid surface. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 287, 251-278	3.7	37
28	Kinetic theory for a mobile adsorbed gas. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 4391-4406	3.9	4
27	The extensional viscosity and effective thermal conductivity of a dispersion of aligned disks. <i>Physics of Fluids</i> , <b>1994</b> , 6, 1955-1962	4.4	4
26	Hydrodynamic diffusion in a suspension of sedimenting point particles with periodic boundary conditions. <i>Physics of Fluids</i> , <b>1994</b> , 6, 2894-2900	4.4	42
25	Collisions of slightly deformable, high Reynolds number bubbles with short-range repulsive forces. <i>Physics of Fluids</i> , <b>1994</b> , 6, 2591-2605	4.4	42
24	The effect of hydrodynamic interactions on the tracer and gradient diffusion of integral membrane proteins in lipid bilayers. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 258, 167-190	3.7	31
23	Simple shear flow of a suspension of fibres in a dilute polymer solution at high Deborah number. Journal of Fluid Mechanics, <b>1993</b> , 252, 187-207	3.7	36
22	Properties of a bidisperse particlegas suspension Part 1. Collision time small compared with viscous relaxation time. <i>Journal of Fluid Mechanics</i> , <b>1993</b> , 247, 623-641	3.7	16
21	Hydrodynamic diffusion in dilute sedimenting suspensions at moderate Reynolds numbers. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1993</b> , 5, 1141-1155		37
20	Hydrodynamic, translational diffusion in fiber suspensions subject to simple shear flow. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1993</b> , 5, 849-862		29
19	The rate of coalescence in a suspension of high Reynolds number, low Weber number bubbles. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1993</b> , 5, 1135-1140		17
18	The effect of hydrodynamic interactions on the average properties of a bidisperse suspension of high Reynolds number, low Weber number bubbles. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1993</b> , 5, 1123-1	134	21
17	Extensional flow of a suspension of fibers in a dilute polymer solution. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1992</b> , 4, 1070-1073		5
16	Averaged-equation and diagrammatic approximations to the average concentration of a tracer dispersed by a Gaussian random velocity field. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1992</b> , 4, 887-894		19
15	Anomalous diffusion of momentum in a dilute gasBolid suspension. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1992</b> , 4, 1337-1346		7

#### LIST OF PUBLICATIONS

14	Polymer stretch in dilute fixed beds of fibres or spheres. <i>Journal of Fluid Mechanics</i> , <b>1992</b> , 244, 17	3.7	17
13	The resistivity and mobility functions for a model system of two equal-sized proteins in a lipid bilayer. <i>Journal of Fluid Mechanics</i> , <b>1992</b> , 243, 679	3.7	25
12	Observations of fibre orientation in simple shear flow of semi-dilute suspensions. <i>Journal of Fluid Mechanics</i> , <b>1992</b> , 238, 277-296	3.7	164
11	Observations of axisymmetric tracer particle orientation during flow through a dilute fixed bed of fibers. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1991</b> , 3, 2516-2528		11
10	The AC Electrical Impedance of a Fractal Boundary to an Electrolytic Solution. <i>Journal of the Electrochemical Society</i> , <b>1991</b> , 138, 475-484	3.9	12
9	Screening in sedimenting suspensions. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 224, 275-303	3.7	129
8	Orientational dispersion of fibers in extensional flows. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1990</b> , 2, 1077-1	1093	38
7	Kinetic theory for a monodisperse gasBolid suspension. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1990</b> , 2, 1711-	1723	167
6	The average rotation rate of a fiber in the linear flow of a semidilute suspension. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1990</b> , 2, 2093-2102		39
5	On hydrodynamic diffusion and drift in sheared suspensions. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1989</b> , 1, 1742-1745		19
4	The instability of a dispersion of sedimenting spheroids. <i>Journal of Fluid Mechanics</i> , <b>1989</b> , 209, 521-542	3.7	106
3	The effect of order on dispersion in porous media. <i>Journal of Fluid Mechanics</i> , <b>1989</b> , 200, 173-188	3.7	107
2	The combined effects of hydrodynamic interactions and Brownian motion on the orientation of particles flowing through fixed beds. <i>Physics of Fluids</i> , <b>1988</b> , 31, 2769		12
1	A non-local description of advection-diffusion with application to dispersion in porous media. Journal of Fluid Mechanics, <b>1987</b> , 180, 387	3.7	142