

Donald L Koch

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5016926/publications.pdf>

Version: 2024-02-01

143
papers

7,504
citations

61984

43
h-index

58581

82
g-index

143
all docs

143
docs citations

143
times ranked

4745
citing authors

#	ARTICLE	IF	CITATIONS
1	Moderate-Reynolds-number flows in ordered and random arrays of spheres. <i>Journal of Fluid Mechanics</i> , 2001, 448, 243-278.	3.4	419
2	The first effects of fluid inertia on flows in ordered and random arrays of spheres. <i>Journal of Fluid Mechanics</i> , 2001, 448, 213-241.	3.4	352
3	Collective Hydrodynamics of Swimming Microorganisms: Living Fluids. <i>Annual Review of Fluid Mechanics</i> , 2011, 43, 637-659.	25.0	336
4	INERTIAL EFFECTS IN SUSPENSION AND POROUS-MEDIA FLOWS. <i>Annual Review of Fluid Mechanics</i> , 2001, 33, 619-647.	25.0	314
5	Moderate Reynolds number flows through periodic and random arrays of aligned cylinders. <i>Journal of Fluid Mechanics</i> , 1997, 349, 31-66.	3.4	237
6	Stabilizing electrodeposition in elastic solid electrolytes containing immobilized anions. <i>Science Advances</i> , 2016, 2, e1600320.	10.3	228
7	Clustering of aerosol particles in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2005, 536, 219-251.	3.4	227
8	Particle pressure and marginal stability limits for a homogeneous monodisperse gas-fluidized bed: kinetic theory and numerical simulations. <i>Journal of Fluid Mechanics</i> , 1999, 400, 229-263.	3.4	214
9	Stability Analysis of Electrodeposition across a Structured Electrolyte with Immobilized Anions. <i>Journal of the Electrochemical Society</i> , 2014, 161, A847-A855.	2.9	198
10	Kinetic theory for a monodisperse gas-solids suspension. <i>Physics of Fluids A, Fluid Dynamics</i> , 1990, 2, 1711-1723.	1.6	193
11	Observations of fibre orientation in simple shear flow of semi-dilute suspensions. <i>Journal of Fluid Mechanics</i> , 1992, 238, 277-296.	3.4	179
12	A non-local description of advection-diffusion with application to dispersion in porous media. <i>Journal of Fluid Mechanics</i> , 1987, 180, 387.	3.4	156
13	Screening in sedimenting suspensions. <i>Journal of Fluid Mechanics</i> , 1991, 224, 275-303.	3.4	142
14	Observations of high Reynolds number bubbles interacting with a rigid wall. <i>Physics of Fluids</i> , 1997, 9, 44-56.	4.0	135
15	The instability of a dispersion of sedimenting spheroids. <i>Journal of Fluid Mechanics</i> , 1989, 209, 521-542.	3.4	134
16	The effect of order on dispersion in porous media. <i>Journal of Fluid Mechanics</i> , 1989, 200, 173-188.	3.4	128
17	Rheology of suspensions with high particle inertia and moderate fluid inertia. <i>Journal of Fluid Mechanics</i> , 2003, 480, 95-118.	3.4	127
18	Measurements of the average properties of a suspension of bubbles rising in a vertical channel. <i>Journal of Fluid Mechanics</i> , 2001, 429, 307-342.	3.4	125

#	ARTICLE	IF	CITATIONS
19	Simple shear flows of dense gas-solid suspensions at finite Stokes numbers. <i>Journal of Fluid Mechanics</i> , 1996, 313, 309-341.	3.4	121
20	The effect of hydrodynamic interactions on the orientation distribution in a fiber suspension subject to simple shear flow. <i>Physics of Fluids</i> , 1995, 7, 487-506.	4.0	117
21	Inertial effects on fibre motion in simple shear flow. <i>Journal of Fluid Mechanics</i> , 2005, 535, 383-414.	3.4	108
22	Rheology of non-Brownian rigid fiber suspensions with adhesive contacts. <i>Journal of Rheology</i> , 2001, 45, 369-382.	2.6	99
23	Hydrodynamic tracer diffusion in suspensions of swimming bacteria. <i>Physics of Fluids</i> , 2014, 26, .	4.0	96
24	A model for orientational diffusion in fiber suspensions. <i>Physics of Fluids</i> , 1995, 7, 2086-2088.	4.0	95
25	Rotational and translational dispersion of fibres in isotropic turbulent flows. <i>Journal of Fluid Mechanics</i> , 2005, 540, 143.	3.4	95
26	Emergence of Upstream Swimming via a Hydrodynamic Transition. <i>Physical Review Letters</i> , 2015, 114, 108102.	7.8	91
27	Bubble-size dependence of the critical electrolyte concentration for inhibition of coalescence. <i>Journal of Colloid and Interface Science</i> , 2004, 275, 290-297.	9.4	81
28	Turbulent coagulation of colloidal particles. <i>Journal of Fluid Mechanics</i> , 1998, 364, 81-113.	3.4	76
29	Simple shear flows of dilute gas-solid suspensions. <i>Journal of Fluid Mechanics</i> , 1995, 296, 211-245.	3.4	71
30	Numerical simulations of the effect of hydrodynamic interactions on diffusivities of integral membrane proteins. <i>Journal of Fluid Mechanics</i> , 1995, 293, 147-180.	3.4	70
31	Particle clustering due to hydrodynamic interactions. <i>Physics of Fluids</i> , 2000, 12, 964-970.	4.0	69
32	Structure of Solvent-Free Nanoparticle-Organic Hybrid Materials. <i>Langmuir</i> , 2010, 26, 16801-16811.	3.5	68
33	Non-continuum lubrication flows between particles colliding in a gas. <i>Journal of Fluid Mechanics</i> , 1996, 313, 283-308.	3.4	61
34	Inertial effects on the transfer of heat or mass from neutrally buoyant spheres in a steady linear velocity field. <i>Physics of Fluids</i> , 2006, 18, 073302.	4.0	58
35	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> , 2006, 138, 87-97.	2.4	57
36	Coalescence and bouncing of small aerosol droplets. <i>Journal of Fluid Mechanics</i> , 2004, 518, 157-185.	3.4	55

#	ARTICLE	IF	CITATIONS
37	Numerical simulations of a sphere settling through a suspension of neutrally buoyant fibres. <i>Journal of Fluid Mechanics</i> , 1999, 388, 355-388.	3.4	52
38	Structure of solvent-free grafted nanoparticles: Molecular dynamics and density-functional theory. <i>Journal of Chemical Physics</i> , 2011, 135, 114901.	3.0	49
39	Dynamics of solvent-free grafted nanoparticles. <i>Journal of Chemical Physics</i> , 2012, 136, 044902.	3.0	49
40	The transition from steady to weakly turbulent flow in a close-packed ordered array of spheres. <i>Journal of Fluid Mechanics</i> , 2002, 465, 59-97.	3.4	48
41	Electroconvection in a Viscoelastic Electrolyte. <i>Physical Review Letters</i> , 2019, 122, 124501.	7.8	48
42	Collisions of slightly deformable, high Reynolds number bubbles with short-range repulsive forces. <i>Physics of Fluids</i> , 1994, 6, 2591-2605.	4.0	47
43	Hydrodynamic diffusion in a suspension of sedimenting point particles with periodic boundary conditions. <i>Physics of Fluids</i> , 1994, 6, 2894-2900.	4.0	46
44	Collision and rebound of small droplets in an incompressible continuum gas. <i>Journal of Fluid Mechanics</i> , 2002, 454, 145-201.	3.4	45
45	Pseudo-turbulent heat flux and average gas-phase conduction during gas-solid heat transfer: flow past random fixed particle assemblies. <i>Journal of Fluid Mechanics</i> , 2016, 798, 299-349.	3.4	45
46	Oriental dispersion of fibers in extensional flows. <i>Physics of Fluids A, Fluid Dynamics</i> , 1990, 2, 1077-1093.	1.6	44
47	Finite-Weber-number motion of bubbles through a nearly inviscid liquid. <i>Journal of Fluid Mechanics</i> , 2002, 460, 241-280.	3.4	44
48	Evolution of clusters of sedimenting low-Reynolds-number particles with Oseen interactions. <i>Journal of Fluid Mechanics</i> , 2008, 603, 63-100.	3.4	44
49	Interfacial Tension at the Boundary Between Nematic and Isotropic Phases of a Hard Rod Solution. <i>Macromolecules</i> , 1999, 32, 219-226.	4.8	43
50	Hydrodynamic diffusion in dilute sedimenting suspensions at moderate Reynolds numbers. <i>Physics of Fluids A, Fluid Dynamics</i> , 1993, 5, 1141-1155.	1.6	42
51	The average rotation rate of a fiber in the linear flow of a semidilute suspension. <i>Physics of Fluids A, Fluid Dynamics</i> , 1990, 2, 2093-2102.	1.6	41
52	Simple shear flow of a suspension of fibres in a dilute polymer solution at high Deborah number. <i>Journal of Fluid Mechanics</i> , 1993, 252, 187-207.	3.4	41
53	Rheology of dense bubble suspensions. <i>Physics of Fluids</i> , 1997, 9, 1540-1561.	4.0	41
54	Numerical and theoretical solutions for a drop spreading below a free fluid surface. <i>Journal of Fluid Mechanics</i> , 1995, 287, 251-278.	3.4	38

#	ARTICLE	IF	CITATIONS
55	Interactions between contacting fibers. <i>Physics of Fluids</i> , 1998, 10, 2111-2113.	4.0	37
56	Velocity fluctuations and hydrodynamic diffusion in finite-Reynolds-number sedimenting suspensions. <i>Physics of Fluids</i> , 2008, 20, .	4.0	36
57	Hydrodynamic, translational diffusion in fiber suspensions subject to simple shear flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1993, 5, 849-862.	1.6	34
58	Rheology of dilute suspensions of charged fibers. <i>Physics of Fluids</i> , 1996, 8, 2792-2807.	4.0	34
59	Observations of coagulation in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 1998, 371, 81-107.	3.4	33
60	The effect of hydrodynamic interactions on the tracer and gradient diffusion of integral membrane proteins in lipid bilayers. <i>Journal of Fluid Mechanics</i> , 1994, 258, 167-190.	3.4	31
61	Moderate-Reynolds-number flow in a wall-bounded porous medium. <i>Journal of Fluid Mechanics</i> , 2002, 453, 315-344.	3.4	28
62	Rheology of particle suspensions with low to moderate fluid inertia at finite particle inertia. <i>Physics of Fluids</i> , 2006, 18, 083303.	4.0	28
63	Structure factor of blends of solvent-free nanoparticle-organic hybrid materials: density-functional theory and small angle X-ray scattering. <i>Soft Matter</i> , 2014, 10, 9120-9135.	2.7	28
64	The resistivity and mobility functions for a model system of two equal-sized proteins in a lipid bilayer. <i>Journal of Fluid Mechanics</i> , 1992, 243, 679.	3.4	27
65	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> , 1993, 5, 1123-1134.	1.6	27
66	Structure and dynamics of dilute suspensions of finite-Reynolds-number settling fibers. <i>Physics of Fluids</i> , 2009, 21, .	4.0	27
67	Hyperdiffusive Dynamics in Newtonian Nanoparticle Fluids. <i>ACS Macro Letters</i> , 2015, 4, 1149-1153.	4.8	27
68	Equilibrium Modeling of the Mechanics and Structure of the Cancer Glycocalyx. <i>Biophysical Journal</i> , 2019, 116, 694-708.	0.5	27
69	Lubrication flows between spherical particles colliding in a compressible non-continuum gas. <i>Journal of Fluid Mechanics</i> , 1997, 344, 245-269.	3.4	25
70	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> , 2011, 674, 307-358.	3.4	25
71	Clustering in Euler-Euler and Euler-Lagrange simulations of unbounded homogeneous particle-laden shear. <i>Journal of Fluid Mechanics</i> , 2019, 859, 174-203.	3.4	25
72	Electroconvection and Morphological Instabilities in Potentiostatic Electrodeposition across Liquid Electrolytes with Polymer Additives. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3697-A3713.	2.9	24

#	ARTICLE	IF	CITATIONS
73	Hydrodynamic and boundary-layer dispersion in bidisperse porous media. <i>Journal of Fluid Mechanics</i> , 1999, 385, 359-379.	3.4	22
74	Bacterial collective motion near the contact line of an evaporating sessile drop. <i>Physics of Fluids</i> , 2014, 26, .	4.0	22
75	A stochastic model for the relative motion of high Stokes number particles in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2014, 756, 870-902.	3.4	22
76	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> , 2016, 1, .	2.5	22
77	Isotropic-nematic phase transitions in aqueous solutions of weakly charged, rodlike polyelectrolytes. <i>Journal of Chemical Physics</i> , 1996, 104, 359-374.	3.0	21
78	Clusters of sedimenting high-Reynolds-number particles. <i>Journal of Fluid Mechanics</i> , 2009, 625, 371-385.	3.4	21
79	Mass/heat transfer from a neutrally buoyant sphere in simple shear flow at finite Reynolds and Peclet numbers. <i>AIChE Journal</i> , 2011, 57, 1419-1433.	3.6	21
80	The effect of shear flow on the rotational diffusion of a single axisymmetric particle. <i>Journal of Fluid Mechanics</i> , 2015, 772, 42-79.	3.4	21
81	Inertial torques and a symmetry breaking orientational transition in the sedimentation of slender fibres. <i>Journal of Fluid Mechanics</i> , 2019, 875, 576-596.	3.4	21
82	On hydrodynamic diffusion and drift in sheared suspensions. <i>Physics of Fluids A, Fluid Dynamics</i> , 1989, 1, 1742-1745.	1.6	20
83	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> , 1992, 4, 887-894.	1.6	20
84	Polymer stretch in dilute fixed beds of fibres or spheres. <i>Journal of Fluid Mechanics</i> , 1992, 244, 17.	3.4	20
85	Properties of a bidisperse particle-gas suspension Part 1. Collision time small compared with viscous relaxation time. <i>Journal of Fluid Mechanics</i> , 1993, 247, 623-641.	3.4	20
86	The rate of coalescence in a suspension of high Reynolds number, low Weber number bubbles. <i>Physics of Fluids A, Fluid Dynamics</i> , 1993, 5, 1135-1140.	1.6	19
87	Hydrodynamic diffusion and mass transfer across a sheared suspension of neutrally buoyant spheres. <i>Physics of Fluids</i> , 2009, 21, .	4.0	18
88	Dynamics of droplet rebound from a weakly deformable gas-liquid interface. <i>Physics of Fluids</i> , 2001, 13, 3526-3532.	4.0	17
89	A pseudospectral method to evaluate the fluid velocity produced by an array of translating slender fibers. <i>Physics of Fluids</i> , 2006, 18, 063301.	4.0	17
90	Rigid ring-shaped particles that align in simple shear flow. <i>Journal of Fluid Mechanics</i> , 2013, 722, 121-158.	3.4	17

#	ARTICLE	IF	CITATIONS
91	Electrophoresis in dilute polymer solutions. <i>Journal of Fluid Mechanics</i> , 2020, 884, .	3.4	17
92	The inhomogeneous structure of a bidisperse sedimenting gas–solid suspension. <i>Physics of Fluids</i> , 1999, 11, 3283-3305.	4.0	16
93	Noncontinuum drag force on a nanowire vibrating normal to a wall: Simulations and theory. <i>Physics of Fluids</i> , 2010, 22, 103101.	4.0	16
94	An analytical thermohydraulic model for discretely fractured geothermal reservoirs. <i>Water Resources Research</i> , 2016, 52, 6792-6817.	4.2	16
95	An algorithm for solving the Navier–Stokes equations with shear-periodic boundary conditions and its application to homogeneously sheared turbulence. <i>Journal of Fluid Mechanics</i> , 2017, 833, 687-716.	3.4	16
96	Coagulation-induced particle-concentration fluctuations in homogeneous, isotropic turbulence. <i>Physics of Fluids</i> , 2002, 14, 2447.	4.0	15
97	An efficient direct simulation Monte Carlo method for low Mach number noncontinuum gas flows based on the Bhatnagar–Gross–Krook model. <i>Physics of Fluids</i> , 2009, 21, 033103.	4.0	15
98	Rotational motion of a thin axisymmetric disk in a low Reynolds number linear flow. <i>Physics of Fluids</i> , 2014, 26, .	4.0	15
99	The AC Electrical Impedance of a Fractal Boundary to an Electrolytic Solution. <i>Journal of the Electrochemical Society</i> , 1991, 138, 475-484.	2.9	14
100	The combined effects of hydrodynamic interactions and Brownian motion on the orientation of particles flowing through fixed beds. <i>Physics of Fluids</i> , 1988, 31, 2769.	1.4	13
101	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> , 1996, 318, 31.	3.4	13
102	Instability of an inhomogeneous bacterial suspension subjected to a chemo-attractant gradient. <i>Journal of Fluid Mechanics</i> , 2014, 741, 619-657.	3.4	13
103	Preferential concentration driven instability of sheared gas–solid suspensions. <i>Journal of Fluid Mechanics</i> , 2015, 770, 85-123.	3.4	13
104	Multiscale Simulation and Modeling of Multilayer Heteroepitactic Growth of C ₆₀ on Pentacene. <i>Langmuir</i> , 2016, 32, 3045-3056.	3.5	13
105	Predictive Inverse Model for Advective Heat Transfer in a Short-Circuited Fracture: Dimensional Analysis, Machine Learning, and Field Demonstration. <i>Water Resources Research</i> , 2020, 56, e2020WR027065.	4.2	13
106	Observations of axisymmetric tracer particle orientation during flow through a dilute fixed bed of fibers. <i>Physics of Fluids A, Fluid Dynamics</i> , 1991, 3, 2516-2528.	1.6	12
107	Hydrodynamic interactions between two equal spheres in a highly rarefied gas. <i>Physics of Fluids</i> , 1999, 11, 2772-2787.	4.0	12
108	Intrinsic viscosity of a suspension of cubes. <i>Physical Review E</i> , 2013, 88, 052302.	2.1	12

#	ARTICLE	IF	CITATIONS
109	Predicting the Disorderâ€“Order Transition of Solvent-Free Nanoparticleâ€“Organic Hybrid Materials. <i>Langmuir</i> , 2013, 29, 8197-8202.	3.5	12
110	Shear flow of a suspension of bubbles rising in an inclined channel. <i>Journal of Fluid Mechanics</i> , 2004, 515, 261-292.	3.4	11
111	Stochastic theory and direct numerical simulations of the relative motion of high-inertia particle pairs in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2017, 813, 205-249.	3.4	11
112	Collision rate of bidisperse, hydrodynamically interacting spheres settling in a turbulent flow. <i>Journal of Fluid Mechanics</i> , 2021, 912, .	3.4	11
113	Slender body theory for particles with non-circular cross-sections with application to particle dynamics in shear flows. <i>Journal of Fluid Mechanics</i> , 2019, 877, 1098-1133.	3.4	10
114	Collision rate of bidisperse spheres settling in a compressional non-continuum gas flow. <i>Journal of Fluid Mechanics</i> , 2021, 910, .	3.4	10
115	Electroconvection near an ion-selective surface with Butlerâ€“Volmer kinetics. <i>Journal of Fluid Mechanics</i> , 2022, 930, .	3.4	10
116	The rapid distortion of two-way coupled particle-laden turbulence. <i>Journal of Fluid Mechanics</i> , 2019, 877, 82-104.	3.4	9
117	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> , 1997, 9, 3550-3565.	4.0	8
118	Flow of power-law fluids in fixed beds of cylinders or spheres. <i>Journal of Fluid Mechanics</i> , 2012, 713, 491-527.	3.4	8
119	Brownian Dynamics of a Suspension of Particles with Constrained Voronoi Cell Volumes. <i>Langmuir</i> , 2015, 31, 6829-6841.	3.5	8
120	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> , 2016, 44, 185-198.	4.6	8
121	Clustering of rapidly settling, low-inertia particle pairs in isotropic turbulence. Part 1. Drift and diffusion flux closures. <i>Journal of Fluid Mechanics</i> , 2019, 871, 450-476.	3.4	8
122	Clustering of rapidly settling, low-inertia particle pairs in isotropic turbulence. Part 2. Comparison of theory and DNS. <i>Journal of Fluid Mechanics</i> , 2019, 871, 477-488.	3.4	8
123	Suppression of electroconvective and morphological instabilities by an imposed cross flow of the electrolyte. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	8
124	Anomalous diffusion of momentum in a dilute gasâ€“solid suspension. <i>Physics of Fluids A, Fluid Dynamics</i> , 1992, 4, 1337-1346.	1.6	7
125	Extensional flow of a suspension of fibers in a dilute polymer solution. <i>Physics of Fluids A, Fluid Dynamics</i> , 1992, 4, 1070-1073.	1.6	6
126	The extensional viscosity and effective thermal conductivity of a dispersion of aligned disks. <i>Physics of Fluids</i> , 1994, 6, 1955-1962.	4.0	6

#	ARTICLE	IF	CITATIONS
127	Instability of Sedimenting Bidisperse Particle Gas Suspensions. <i>Flow, Turbulence and Combustion</i> , 1997, 58, 275-303.	0.2	6
128	A kinetic theory for particulate systems with bimodal and anisotropic velocity fluctuations. <i>Physics of Fluids</i> , 2008, 20, 123303.	4.0	6
129	Controlling rotation and migration of rings in a simple shear flow through geometric modifications. <i>Journal of Fluid Mechanics</i> , 2018, 840, 379-407.	3.4	6
130	Non-continuum tangential lubrication gas flow between two spheres. <i>Journal of Fluid Mechanics</i> , 2021, 920, .	3.4	6
131	Electrical conductivity of isotropic fibre suspensions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 1999, 455, 1923-1930.	2.1	5
132	Dense, bounded shear flows of agitated solid spheres in a gas at intermediate Stokes and finite Reynolds numbers. <i>Journal of Fluid Mechanics</i> , 2009, 618, 181-208.	3.4	5
133	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> , 2019, 879, 121-146.	3.4	5
134	Kinetic theory for a mobile adsorbed gas. <i>Journal of Chemical Physics</i> , 1994, 101, 4391-4406.	3.0	4
135	The average stress in a suspension of cube-shaped magnetic particles subject to shear and magnetic fields. <i>Physics of Fluids</i> , 2015, 27, .	4.0	4
136	Heat/mass transfer from a neutrally buoyant sphere by mixed natural and forced convection in a simple shear flow. <i>AIChE Journal</i> , 2018, 64, 2816-2827.	3.6	4
137	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> , 2018, 847, 286-328.	3.4	4
138	The combined hydrodynamic and thermodynamic effects of immobilized proteins on the diffusion of mobile transmembrane proteins. <i>Journal of Fluid Mechanics</i> , 2019, 877, 648-681.	3.4	4
139	The lift force on a bubble in a sheared suspension in a slightly inclined channel. <i>Journal of Fluid Mechanics</i> , 2008, 615, 27-51.	3.4	3
140	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> , 2015, 471, 20150494.	2.1	3
141	Modeling the dynamics of remobilized CO ₂ within the geologic subsurface. <i>International Journal of Greenhouse Gas Control</i> , 2018, 70, 128-145.	4.6	3
142	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> , 2021, 103, 053112.	2.1	0
143	Hydroshearing poorly connected preexisting fractures in the presence of stress anisotropy as a random percolation process. <i>Physical Review Research</i> , 2020, 2, .	3.6	0