

Ãlisabeth Guazzelli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8626474/publications.pdf>

Version: 2024-02-01

35
papers

2,754
citations

279798

23
h-index

361022

35
g-index

35
all docs

35
docs citations

35
times ranked

2004
citing authors

#	ARTICLE	IF	CITATIONS
1	Falling clouds of particles in vortical flows. <i>Journal of Fluid Mechanics</i> , 2021, 908, .	3.4	5
2	Dilute sedimenting suspensions of spheres at small inertia. <i>Journal of Fluid Mechanics</i> , 2021, 914, .	3.4	3
3	Extensional viscosity and thinning of a fiber suspension thread. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	1
4	Rheology of mobile sediment beds sheared by viscous, pressure-driven flows. <i>Journal of Fluid Mechanics</i> , 2021, 921, .	3.4	10
5	Fiber alignment in oscillating confined shearing flows. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	1
6	Particle-laden flow around an obstacle in a square pipe: experiments and modeling. <i>Mechanics and Industry</i> , 2020, 21, 517.	1.3	4
7	Spreading of granular suspensions on a solid surface. <i>Physical Review Research</i> , 2020, 2, .	3.6	9
8	Influence of surface roughness on the rheology of immersed and dry frictional spheres. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	25
9	Pinch-off of a viscous suspension thread. <i>Journal of Fluid Mechanics</i> , 2018, 852, 178-198.	3.4	25
10	Rheology of dense granular suspensions. <i>Journal of Fluid Mechanics</i> , 2018, 852, .	3.4	273
11	Rheology of concentrated suspensions of non-colloidal rigid fibres. <i>Journal of Fluid Mechanics</i> , 2017, 827, .	3.4	28
12	Inertial effects on fibers settling in a vortical flow. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	34
13	Enhancing shear thickening. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	28
14	Dynamics of shear-induced migration of spherical particles in oscillatory pipe flow. <i>Journal of Fluid Mechanics</i> , 2016, 786, 128-153.	3.4	50
15	Rheology of dense suspensions of non-colloidal spheres in yield-stress fluids. <i>Journal of Fluid Mechanics</i> , 2015, 776, .	3.4	64
16	The motion of solid spherical particles falling in a cellular flow field at low Stokes number. <i>Physics of Fluids</i> , 2014, 26, .	4.0	47
17	Normal stress differences in suspensions of rigid fibres. <i>Journal of Fluid Mechanics</i> , 2014, 758, 486-507.	3.4	27
18	Dynamics of non-Brownian fiber suspensions under periodic shear. <i>Soft Matter</i> , 2014, 10, 6722-6731.	2.7	10

#	ARTICLE	IF	CITATIONS
19	Investigation of the mobile granular layer in bedload transport by laminar shearing flows. Journal of Fluid Mechanics, 2013, 736, 594-615.	3.4	78
20	Vorticity alignment of rigid fibers in an oscillatory shear flow: Role of confinement. Physics of Fluids, 2012, 24, .	4.0	17
21	Unifying Suspension and Granular Rheology. Physical Review Letters, 2011, 107, 188301.	7.8	637
22	Dense suspensions in rotating-rod flows: normal stresses and particle migration. Journal of Fluid Mechanics, 2011, 686, 5-25.	3.4	110
23	Suspensions in a tilted trough: second normal stress difference. Journal of Fluid Mechanics, 2011, 686, 26-39.	3.4	82
24	A falling cloud of particles at a small but finite Reynolds number. Journal of Fluid Mechanics, 2011, 671, 34-51.	3.4	47
25	Fluctuations and Instability in Sedimentation. Annual Review of Fluid Mechanics, 2011, 43, 97-116.	25.0	213
26	Transverse Alignment of Fibers in a Periodically Sheared Suspension: An Absorbing Phase Transition with a Slowly Varying Control Parameter. Physical Review Letters, 2011, 107, 250603.	7.8	48
27	The suspension balance model revisited. Physics of Fluids, 2011, 23, .	4.0	108
28	Fluctuations and stratification in sedimentation of dilute suspensions of spheres. Physics of Fluids, 2009, 21, .	4.0	12
29	Non-Poisson statistics of settling spheres. Physics of Fluids, 2009, 21, .	4.0	12
30	Sediment dynamics. Part 1. Bed-load transport by laminar shearing flows. Journal of Fluid Mechanics, 2009, 636, 295-319.	3.4	105
31	Falling clouds of particles in viscous fluids. Journal of Fluid Mechanics, 2007, 580, 283-301.	3.4	98
32	Inertial migration of rigid spherical particles in Poiseuille flow. Journal of Fluid Mechanics, 2004, 515, 171-195.	3.4	406
33	Influence of particles on the transition to turbulence in pipe flow. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 911-919.	3.4	10
34	Spreading fronts and fluctuations in sedimentation. Physics of Fluids, 2003, 15, 1875-1887.	4.0	67
35	Evolution of particle-velocity correlations in sedimentation. Physics of Fluids, 2001, 13, 1537-1540.	4.0	60