

Debasish Das

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8313540/publications.pdf>

Version: 2024-02-01

12
papers

534
citations

1039880

9
h-index

1199470

12
g-index

12
all docs

12
docs citations

12
times ranked

585
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergent vortices in populations of colloidal rollers. Nature Communications, 2015, 6, 7470.	5.8	205
2	A nonlinear small-deformation theory for transient droplet electrohydrodynamics. Journal of Fluid Mechanics, 2017, 810, 225-253.	1.4	67
3	Electrohydrodynamics of viscous drops in strong electric fields: numerical simulations. Journal of Fluid Mechanics, 2017, 829, 127-152.	1.4	53
4	Electrohydrodynamic interaction of spherical particles under Quincke rotation. Physical Review E, 2013, 87, 043014.	0.8	50
5	Swimming of peritrichous bacteria is enabled by an elasto-hydrodynamic instability. Scientific Reports, 2018, 8, 10728.	1.6	46
6	Self-organization of swimmers drives long-range fluid transport in bacterial colonies. Nature Communications, 2019, 10, 1792.	5.8	29
7	Active Particles Powered by Quincke Rotation in a Bulk Fluid. Physical Review Letters, 2019, 122, 194503.	2.9	20
8	Computing the motor torque of <i>Escherichia coli</i> . Soft Matter, 2018, 14, 5955-5967.	1.2	18
9	Transition to bound states for bacteria swimming near surfaces. Physical Review E, 2019, 100, 043117.	0.8	13
10	A three-dimensional small-deformation theory for electrohydrodynamics of dielectric drops. Journal of Fluid Mechanics, 2021, 914, .	1.4	13
11	Helical micropumps near surfaces. Biomicrofluidics, 2018, 12, 014108.	1.2	10
12	Cilia density and flow velocity affect alignment of motile cilia from brain cells. Journal of Experimental Biology, 2020, 223, .	0.8	10