

# 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

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h-index

1199470

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12  
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docs citations

12  
times ranked

585  
citing authors

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