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List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

499
citations

567144

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22
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27
all docs

27
docs citations

27
times ranked

458
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-switchable propulsion of active particles with reversible interactions. Nature Communications, 2020, 11, 2628.	5.8	55
2	Autophoretic motion in three dimensions. Soft Matter, 2018, 14, 3304-3314.	1.2	42
3	Swimming trajectories of a three-sphere microswimmer near a wall. Journal of Chemical Physics, 2018, 148, 134904.	1.2	35
4	Rotational Diffusion of Spherical Colloids Close to a Wall. Physical Review Letters, 2012, 109, 098305.	2.9	33
5	Translational and rotational near-wall diffusion of spherical colloids studied by evanescent wave scattering. Soft Matter, 2014, 10, 4312.	1.2	31
6	Mobility of an axisymmetric particle near an elastic interface. Journal of Fluid Mechanics, 2017, 811, 210-233.	1.4	28
7	Swimming eukaryotic microorganisms exhibit a universal speed distribution. ELife, 2019, 8, .	2.8	28
8	State diagram of a three-sphere microswimmer in a channel. Journal of Physics Condensed Matter, 2018, 30, 254004.	0.7	27
9	Near-wall diffusion tensor of an axisymmetric colloidal particle. Journal of Chemical Physics, 2016, 145, 034904.	1.2	24
10	Rechargeable self-assembled droplet microswimmers driven by surface phase transitions. Nature Physics, 2021, 17, 1050-1055.	6.5	23
11	The bank of swimming organisms at the micron scale (BOSO-Micro). PLoS ONE, 2021, 16, e0252291.	1.1	22
12	One-particle correlation function in evanescent wave dynamic light scattering. Journal of Chemical Physics, 2012, 136, 204704.	1.2	20
13	Towards an analytical description of active microswimmers in clean and in surfactant-covered drops. European Physical Journal E, 2020, 43, 58.	0.7	17
14	Hydrodynamic mobility of a sphere moving on the centerline of an elastic tube. Physics of Fluids, 2017, 29, 111901.	1.6	15
15	Slow rotation of a spherical particle inside an elastic tube. Acta Mechanica, 2018, 229, 149-171.	1.1	15
16	Hydrodynamic coupling and rotational mobilities near planar elastic membranes. Journal of Chemical Physics, 2018, 149, 014901.	1.2	15
17	Hydrodynamic mobility of a solid particle near a spherical elastic membrane. II. Asymmetric motion. Physical Review E, 2017, 95, 053117.	0.8	13
18	Tuning the Upstream Swimming of Microrobots by Shape and Cargo Size. Physical Review Applied, 2020, 14, .	1.5	11

#	ARTICLE	IF	CITATIONS
19	Dynamics of a microswimmerâ€™microplatelet composite. <i>Physics of Fluids</i> , 2020, 32, 021902.	1.6	11
20	Near-wall dynamics of concentrated hard-sphere suspensions: comparison of evanescent wave DLS experiments, virial approximation and simulations. <i>Soft Matter</i> , 2015, 11, 7316-7327.	1.2	8
21	The non-Gaussian tops and tails of diffusing boomerangs. <i>Soft Matter</i> , 2017, 13, 2977-2982.	1.2	7
22	Phoretic flow induced by asymmetric confinement. <i>Journal of Fluid Mechanics</i> , 2016, 799, .	1.4	5
23	Colloidal Hydrodynamics and Interfacial Effects. <i>Lecture Notes in Physics</i> , 2016, , 313-386.	0.3	5
24	Stability of sedimenting flexible loops. <i>Journal of Fluid Mechanics</i> , 2021, 919, .	1.4	4
25	On the effect of morphology and particle-wall interaction on colloidal near-wall dynamics. <i>Soft Matter</i> , 2021, 17, 10301-10311.	1.2	2
26	Hydrodynamic effects in the capture of rod-like molecules by a nanopore. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 104005.	0.7	2