Tatiana V Nizkaya

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7560291/publications.pdf

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17	309	840776 11	888059 17
papers	citations	h-index	g-index

17	17	17	266
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-diffusiophoresis of Janus particles that release ions. Physics of Fluids, 2022, 34, .	4.0	9
2	Accurate Solutions to Non-Linear PDEs Underlying a Propulsion of Catalytic Microswimmers. Mathematics, 2022, 10, 1503.	2.2	2
3	Instability of particle inertial migration in shear flow. Physics of Fluids, 2021, 33, .	4.0	3
4	Inertial migration of oblate spheroids in a plane channel. Physics of Fluids, 2020, 32, .	4.0	18
5	Flow-driven collapse of lubricant-infused surfaces. Journal of Fluid Mechanics, 2020, 901, .	3.4	15
6	Inertial migration of neutrally buoyant particles in superhydrophobic channels. Physical Review Fluids, 2020, 5, .	2.5	18
7	Inertial focusing of finite-size particles in microchannels. Journal of Fluid Mechanics, 2018, 840, 613-630.	3.4	59
8	Enhanced slip properties of lubricant-infused grooves. Physical Review E, 2018, 98, .	2.1	30
9	Boundary conditions at the gas sectors of superhydrophobic grooves. Physical Review Fluids, 2018, 3, .	2.5	13
10	Advective superdiffusion in superhydrophobic microchannels. Physical Review E, 2017, 96, 033109.	2.1	8
11	Probing effective slippage on superhydrophobic stripes by atomic force microscopy. Soft Matter, 2016, 12, 6910-6917.	2.7	14
12	Flows and mixing in channels with misaligned superhydrophobic walls. Physical Review E, 2015, 91, 033020.	2.1	21
13	Principles of transverse flow fractionation of microparticles in superhydrophobic channels. Lab on A Chip, 2015, 15, 2835-2841.	6.0	29
14	Gas cushion model and hydrodynamic boundary conditions for superhydrophobic textures. Physical Review E, 2014, 90, 043017.	2.1	44
15	Inertial focusing of small particles in wavy channels: Asymptotic analysis at weak particle inertia. Physica D: Nonlinear Phenomena, 2014, 268, 91-99.	2.8	6
16	Flow in channels with superhydrophobic trapezoidal textures. Soft Matter, 2013, 9, 11671.	2.7	18
17	Note on dust trapping in point vortex pairs with unequal strengths. Physics of Fluids, 2010, 22, .	4.0	2