

Nikhil Desai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2866760/publications.pdf>

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9
papers

141
citations

1162367

8
h-index

1473754

9
g-index

9
all docs

9
docs citations

9
times ranked

160
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamics-mediated trapping of micro-swimmers near drops. <i>Soft Matter</i> , 2018, 14, 264-278.	1.2	28
2	Transport of particles, drops, and small organisms in density stratified fluids. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	27
3	Modeling of active swimmer suspensions and their interactions with the environment. <i>Soft Matter</i> , 2017, 13, 6033-6050.	1.2	20
4	Biofilms at interfaces: microbial distribution in floating films. <i>Soft Matter</i> , 2020, 16, 1731-1750.	1.2	16
5	Instability and self-propulsion of active droplets along a wall. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	15
6	Hydrodynamic Interaction Enhances Colonization of Sinking Nutrient Sources by Motile Microorganisms. <i>Frontiers in Microbiology</i> , 2019, 10, 289.	1.5	13
7	Capillary filling under electro-osmotic effects in the presence of electromagneto-hydrodynamic effects. <i>Physical Review E</i> , 2014, 89, 063017.	0.8	9
8	Combined influence of hydrodynamics and chemotaxis in the distribution of microorganisms around spherical nutrient sources. <i>Physical Review E</i> , 2018, 98, 012419.	0.8	9
9	Nutrient uptake by chemotactic bacteria in presence of rising oil drops. <i>International Journal of Multiphase Flow</i> , 2018, 108, 156-168.	1.6	4