

Mehdi Jabbarzadeh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8047600/publications.pdf>

Version: 2024-02-01

10
papers

282
citations

1039880

9
h-index

1372474

10
g-index

10
all docs

10
docs citations

10
times ranked

381
citing authors

#	ARTICLE	IF	CITATIONS
1	Large deformations of the hook affect free-swimming singly flagellated bacteria during flick motility. <i>Physical Review E</i> , 2020, 102, 033115.	0.8	2
2	A numerical method for inextensible elastic filaments in viscous fluids. <i>Journal of Computational Physics</i> , 2020, 418, 109643.	1.9	14
3	Bacteriostatic Effects of Apatite-Covered Ag/AgBr/TiO ₂ Nanocomposite in the Dark: Anomaly in Bacterial Motility. <i>Journal of Physical Chemistry B</i> , 2019, 123, 787-791.	1.2	14
4	Dynamic instability in the hook-flagellum system that triggers bacterial flicks. <i>Physical Review E</i> , 2018, 97, 012402.	0.8	16
5	Bipolar lophotrichous <i>Helicobacter suis</i> combine extended and wrapped flagella bundles to exhibit multiple modes of motility. <i>Scientific Reports</i> , 2018, 8, 14415.	1.6	51
6	Viscous constraints on microorganism approach and interaction. <i>Journal of Fluid Mechanics</i> , 2018, 851, 715-738.	1.4	16
7	Bacteria-inspired nanorobots with flagellar polymorphic transformations and bundling. <i>Scientific Reports</i> , 2017, 7, 14098.	1.6	56
8	Helical and rod-shaped bacteria swim in helical trajectories with little additional propulsion from helical shape. <i>Science Advances</i> , 2016, 2, e1601661.	4.7	68
9	Magnetization directions and geometries of helical microswimmers for linear velocity-frequency response. <i>Physical Review E</i> , 2015, 91, 043011.	0.8	29
10	Swimming fluctuations of micro-organisms due to heterogeneous microstructure. <i>Physical Review E</i> , 2014, 90, 043021.	0.8	16