

# 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	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
2	Bacteria-inspired nanorobots with flagellar polymorphic transformations and bundling. <i>Scientific Reports</i> , 2017, 7, 14098.	1.6	56
3	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
4	Magnetization directions and geometries of helical microswimmers for linear velocity-frequency response. <i>Physical Review E</i> , 2015, 91, 043011.	0.8	29
5	Swimming fluctuations of micro-organisms due to heterogeneous microstructure. <i>Physical Review E</i> , 2014, 90, 043021.	0.8	16
6	Dynamic instability in the hook-flagellum system that triggers bacterial flicks. <i>Physical Review E</i> , 2018, 97, 012402.	0.8	16
7	Viscous constraints on microorganism approach and interaction. <i>Journal of Fluid Mechanics</i> , 2018, 851, 715-738.	1.4	16
8	Bacteriostatic Effects of Apatite-Covered Ag/AgBr/TiO <sub>2</sub> Nanocomposite in the Dark: Anomaly in Bacterial Motility. <i>Journal of Physical Chemistry B</i> , 2019, 123, 787-791.	1.2	14
9	A numerical method for inextensible elastic filaments in viscous fluids. <i>Journal of Computational Physics</i> , 2020, 418, 109643.	1.9	14
10	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