

# Samaneh Farokhirad

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7788476/publications.pdf>

Version: 2024-02-01

12  
papers

208  
citations

1307594

7  
h-index

1372567

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coalescence-induced jumping of droplet: Inertia and viscosity effects. <i>Physics of Fluids</i> , 2015, 27, .	4.0	80
2	Multiscale liquid drop impact on wettable and textured surfaces. <i>Physics of Fluids</i> , 2014, 26, .	4.0	40
3	Effects of Inertia and Viscosity on Single Droplet Deformation in Confined Shear Flow. <i>Communications in Computational Physics</i> , 2013, 13, 706-724.	1.7	24
4	Stiffness can mediate balance between hydrodynamic forces and avidity to impact the targeting of flexible polymeric nanoparticles in flow. <i>Nanoscale</i> , 2019, 11, 6916-6928.	5.6	15
5	Computational study of microparticle effect on self-propelled jumping of droplets from superhydrophobic substrates. <i>International Journal of Multiphase Flow</i> , 2017, 95, 220-234.	3.4	14
6	Coalescence-induced jumping of immersed and suspended droplets on microstructured substrates. <i>European Journal of Computational Mechanics</i> , 2017, 26, 205-223.	0.6	13
7	Nanoparticle transport phenomena in confined flows. <i>Advances in Heat Transfer</i> , 2019, 51, 55-129.	0.9	8
8	Thermodynamic analysis of multivalent binding of functionalized nanoparticles to membrane surface reveals the importance of membrane entropy and nanoparticle entropy in adhesion of flexible nanoparticles. <i>Soft Matter</i> , 2019, 15, 9271-9286.	2.7	7
9	Nanofluid Dynamics of Flexible Polymeric Nanoparticles Under Wall Confinement. <i>Journal of Heat Transfer</i> , 2019, 141, 0524011-524016.	2.1	5
10	Biophysical Considerations in the Rational Design and Cellular Targeting of Flexible Polymeric Nanoparticles. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101290.	3.7	2
11	Two-Dimensional Unstructured Direct Simulation Monte Carlo Method for Micro/Nanochannel Gas Flows. , 2009, , .		0
12	Biophysical Considerations in the Rational Design and Cellular Targeting of Flexible Polymeric Nanoparticles (Adv. Mater. Interfaces 23/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, .	3.7	0