

Huilin Ye

List of Publications by Year in descending order

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27
papers

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times ranked

1176
citing authors

#	ARTICLE	IF	CITATIONS
1	Domain-selective compression of phase-separated vesicles induced by amphiphilic Janus nanoparticles. <i>Biophysical Journal</i> , 2022, 121, 485a-486a.	0.2	0
2	Red blood cell hitchhiking enhances the accumulation of nano- and micro-particles in the constriction of a stenosed microvessel. <i>Soft Matter</i> , 2021, 17, 40-56.	1.2	12
3	Magttice: a lattice model for hard-magnetic soft materials. <i>Soft Matter</i> , 2021, 17, 3560-3568.	1.2	27
4	Adhesive rolling of nanoparticles in a lateral flow inspired from diagnostics of COVID-19. <i>Extreme Mechanics Letters</i> , 2021, 44, 101239.	2.0	0
5	Sticky Rouse Time Features the Self-Adhesion of Supramolecular Polymer Networks. <i>Macromolecules</i> , 2021, 54, 5053-5064.	2.2	12
6	Machine Learning of Coarse-Grained Models for Organic Molecules and Polymers: Progress, Opportunities, and Challenges. <i>ACS Omega</i> , 2021, 6, 1758-1772.	1.6	37
7	Membrane poration, wrinkling, and compression: deformations of lipid vesicles induced by amphiphilic Janus nanoparticles. <i>Nanoscale</i> , 2020, 12, 20326-20336.	2.8	15
8	Cholesterol-like Condensing Effect of Perfluoroalkyl Substances on a Phospholipid Bilayer. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5415-5425.	1.2	13
9	OpenFSI: A highly efficient and portable fluid-structure simulation package based on immersed-boundary method. <i>Computer Physics Communications</i> , 2020, 256, 107463.	3.0	14
10	Interplay between ligand mobility and nanoparticle geometry during cellular uptake of PEGylated liposomes and bicelles. <i>Nanoscale</i> , 2019, 11, 15971-15983.	2.8	9
11	pH-Dependent aggregation and pH-independent cell membrane adhesion of monolayer-protected mixed charged gold nanoparticles. <i>Nanoscale</i> , 2019, 11, 7371-7385.	2.8	20
12	Shape-Dependent Transport of Microparticles in Blood Flow: From Margination to Adhesion. <i>Journal of Engineering Mechanics - ASCE</i> , 2019, 145, .	1.6	4
13	Tuning Chiral Nematic Pitch of Bioresourced Photonic Films via Coupling Organic Acid Hydrolysis. <i>Advanced Materials Interfaces</i> , 2019, 6, 1802010.	1.9	30
14	Membrane Wrapping Efficiency of Elastic Nanoparticles during Endocytosis: Size and Shape Matter. <i>ACS Nano</i> , 2019, 13, 215-228.	7.3	125
15	Interplay of deformability and adhesion on localization of elastic micro-particles in blood flow. <i>Journal of Fluid Mechanics</i> , 2019, 861, 55-87.	1.4	20
16	Understanding receptor-mediated endocytosis of elastic nanoparticles through coarse grained molecular dynamic simulation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16372-16385.	1.3	48
17	Aggregation of polyethylene glycol polymers suppresses receptor-mediated endocytosis of PEGylated liposomes. <i>Nanoscale</i> , 2018, 10, 4545-4560.	2.8	60
18	Size of graphene sheets determines the structural and mechanical properties of 3D graphene foams. <i>Nanotechnology</i> , 2018, 29, 104001.	1.3	29

#	ARTICLE	IF	CITATIONS
19	Manipulating nanoparticle transport within blood flow through external forces: an exemplar of mechanics in nanomedicine. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170845.	1.0	79
20	Cell Stiffness Governs Its Adhesion Dynamics on Substrate Under Shear Flow. IEEE Nanotechnology Magazine, 2018, 17, 407-411.	1.1	15
21	Anomalous Vascular Dynamics of Nanoworms within Blood Flow. ACS Biomaterials Science and Engineering, 2018, 4, 66-77.	2.6	16
22	Computational modeling of magnetic particle margination within blood flow through LAMMPS. Computational Mechanics, 2018, 62, 457-476.	2.2	36
23	Shear rate dependent margination of sphere-like, oblate-like and prolate-like micro-particles within blood flow. Soft Matter, 2018, 14, 7401-7419.	1.2	8
24	Two tandem flexible loops in a viscous flow. Physics of Fluids, 2017, 29, .	1.6	21
25	Self-assembled core-polyethylene glycol-lipid shell nanoparticles demonstrate high stability in shear flow. Physical Chemistry Chemical Physics, 2017, 19, 13294-13306.	1.3	23
26	Dynamics of a nonspherical capsule in general flow. Computers and Fluids, 2016, 134-135, 31-40.	1.3	10
27	Numerical study on dynamic sorting of a compliant capsule with a thin shell. Computers and Fluids, 2015, 114, 110-120.	1.3	15