

Jie Feng

List of Publications by Year in descending order

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33
papers

841
citations

430843

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34
all docs

34
docs citations

34
times ranked

1014
citing authors

#	ARTICLE	IF	CITATIONS
1	Pore Dynamics of Lipid Vesicles Under Light-Induced Osmotic Stress. <i>Physical Review Applied</i> , 2022, 17, .	3.8	2
2	Mechanism and performance relevance of nanomorphogenesis in polyamide films revealed by quantitative 3D imaging and machine learning. <i>Science Advances</i> , 2022, 8, eabk1888.	10.3	22
3	Dynamics of an oil-coated bubble rising in a quiescent water medium. <i>Physical Review Fluids</i> , 2022, 7, .	2.5	2
4	Water-to-Air Transfer of Nano/Microsized Particulates: Enrichment Effect in Bubble Bursting Jet Drops. <i>Nano Letters</i> , 2022, 22, 5626-5634.	9.1	15
5	Microscale Confinement and Wetting Contrast Enable Enhanced and Tunable Condensation. <i>ACS Nano</i> , 2022, 16, 9510-9522.	14.6	14
6	Preparation of Abamectin Nanoparticles by Flash NanoPrecipitation for Extended Photostability and Sustained Pesticide Release. <i>ACS Applied Nano Materials</i> , 2021, 4, 1228-1234.	5.0	16
7	Oil-coated bubble formation from submerged coaxial orifices. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	8
8	A Magnetically Actuated Superhydrophobic Ratchet Surface for Droplet Manipulation. <i>Micromachines</i> , 2021, 12, 325.	2.9	10
9	Confinement-Dependent Diffusiophoretic Transport of Nanoparticles in Collagen Hydrogels. <i>Nano Letters</i> , 2021, 21, 7625-7630.	9.1	19
10	Oil column pinch-off controls the oil fraction of the oil-coated bubble. <i>Physics of Fluids</i> , 2021, 33, .	4.0	7
11	Compound jetting from bubble bursting at an air-oil-water interface. <i>Nature Communications</i> , 2021, 12, 6305.	12.8	19
12	Laplace Pressure Driven Single-Droplet Jumping on Structured Surfaces. <i>ACS Nano</i> , 2020, 14, 12796-12809.	14.6	73
13	Light-triggered explosion of lipid vesicles. <i>Soft Matter</i> , 2020, 16, 8904-8911.	2.7	2
14	Flower-like droplets obtained by self-emulsification of a phase-separating (SEPS) aqueous film. <i>Soft Matter</i> , 2020, 16, 6050-6055.	2.7	7
15	Adsorption dynamics of polymeric nanoparticles at an air-water interface with addition of surfactants. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 416-424.	9.4	9
16	Osmotic Delivery and Release of Lipid-Encapsulated Molecules via Sequential Solution Exchange. <i>Physical Review Applied</i> , 2019, 12, .	3.8	32
17	Translational formulation of nanoparticle therapeutics from laboratory discovery to clinical scale. <i>Journal of Translational Medicine</i> , 2019, 17, 200.	4.4	59
18	Solid-State Behavior and Solubilization of Flash Nanoprecipitated Clofazimine Particles during the Dispersion and Digestion of Milk-Based Formulations. <i>Molecular Pharmaceutics</i> , 2019, 16, 2755-2765.	4.6	21

#	ARTICLE	IF	CITATIONS
19	Spray drying OZ439 nanoparticles to form stable, water-dispersible powders for oral malaria therapy. <i>Journal of Translational Medicine</i> , 2019, 17, 97.	4.4	24
20	Amorphous nanoparticles by self-assembly: processing for controlled release of hydrophobic molecules. <i>Soft Matter</i> , 2019, 15, 2400-2410.	2.7	29
21	Rapid Recovery of Clofazimine-Loaded Nanoparticles with Long-Term Storage Stability as Anti- <i>Cryptosporidium</i> Therapy. <i>ACS Applied Nano Materials</i> , 2018, 1, 2184-2194.	5.0	20
22	Encapsulation of OZ439 into Nanoparticles for Supersaturated Drug Release in Oral Malaria Therapy. <i>ACS Infectious Diseases</i> , 2018, 4, 970-979.	3.8	23
23	Bacterial Biofilm Material Properties Enable Removal and Transfer by Capillary Peeling. <i>Advanced Materials</i> , 2018, 30, e1804153.	21.0	62
24	Adsorption and Denaturation of Structured Polymeric Nanoparticles at an Interface. <i>Nano Letters</i> , 2018, 18, 4854-4860.	9.1	20
25	Low-Cost Zeta Potentiometry Using Solute Gradients. <i>Advanced Materials</i> , 2017, 29, 1701516.	21.0	52
26	Design and Solidification of Fast-Releasing Clofazimine Nanoparticles for Treatment of Cryptosporidiosis. <i>Molecular Pharmaceutics</i> , 2017, 14, 3480-3488.	4.6	57
27	A Scalable Platform for Functional Nanomaterials via Bubble-Bursting. <i>Advanced Materials</i> , 2016, 28, 4047-4052.	21.0	19
28	Dynamics of a bubble bouncing at a liquid/liquid/gas interface. <i>Journal of Fluid Mechanics</i> , 2016, 807, 324-352.	3.4	24
29	Experimental investigation of the Faraday instability on a patterned surface. <i>Experiments in Fluids</i> , 2016, 57, 1.	2.4	7
30	Stability of a bi-layer free film: simultaneous or individual rupture events?. <i>Journal of Fluid Mechanics</i> , 2015, 777, 27-49.	3.4	10
31	Deposition of Quantum Dots in a Capillary Tube. <i>Langmuir</i> , 2015, 31, 12560-12566.	3.5	18
32	Viscous Marangoni migration of a drop in a Poiseuille flow at low surface Péclet numbers. <i>Journal of Fluid Mechanics</i> , 2014, 753, 535-552.	3.4	54
33	Nanoemulsions obtained via bubble-bursting at a compound interface. <i>Nature Physics</i> , 2014, 10, 606-612.	16.7	85