Zhiqiang Zhu

List of Publications by Year
in descending order

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28	542	567281 15	642732 23
papers	citations	h-index	g-index

28	28	28	490
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combinational biomimetic microfibers for high-efficiency water collection. Chemical Engineering Journal, 2022, 433, 134495.	12.7	26
2	Parametric study on breakup of liquid jet in a gas-driven flow focusing process upon external excitation. Physics of Fluids, 2022, 34, .	4.0	9
3	Programmable dynamic interfacial spinning of bioinspired microfibers with volumetric encoding. Materials Horizons, 2021, 8, 1756-1768.	12.2	16
4	A photo-responsive membrane for tailored drug delivery with spatially and temporally controlled release. Journal of Materials Chemistry B, 2021, 9, 8615-8625.	5.8	9
5	Generation of Nonspherical Liquid Metal Microparticles with Tunable Shapes Exhibiting an Electrostatic-Responsive Performance. ACS Applied Materials & Interfaces, 2021, 13, 16677-16687.	8.0	13
6	Preparation of Anisotropic Micro-Hydrogels with Tunable Structural and Topographic Features by Compound Interfacial Shearing. ACS Applied Materials & Interfaces, 2021, 13, 42114-42124.	8.0	3
7	Preparation of pesticide-loaded microcapsules by liquid-driven coaxial flow focusing for controlled release. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 840-847.	3.4	16
8	Perfluorocarbon-Loaded Hydrogel Microcapsules from Interface Shearing for Magnetic Guided Ultrasound and Laser Activation. Frontiers in Physics, 2020, 8, .	2.1	3
9	Magnetic Targeting and Ultrasound Activation of Liposomeâ€“Microbubble Conjugate for Enhanced Delivery of Anticancer Therapies. ACS Applied Materials & Interfaces, 2020, 12, 23737-23751.	8.0	66
10	Coaxial oblique interface shearing: tunable generation and sorting of double emulsions for spatial gradient drug release. Lab on A Chip, 2020, 20, 1249-1258.	6.0	18
11	On-Demand Generation of Double Emulsions Based on Interface Shearing for Controlled Ultrasound Activation. ACS Applied Materials & Interfaces, 2019, 11, 40932-40943.	8.0	21
12	Manipulation of jet breakup length and droplet size in axisymmetric flow focusing upon actuation. Physics of Fluids, 2019, 31, .	4.0	39
13	One-step microencapsulation and spraying of pesticide formulations for improved adhesion and sustained release. Journal of Microencapsulation, 2019, 36, 649-658.	2.8	11
14	Oblique interface shearing (OIS): single-step microdroplet generation and on-demand positioning. Soft Matter, 2019, 15, 4782-4786.	2.7	3
15	Engineered multifunctional biodegradable hybrid microparticles for paclitaxel delivery in cancer therapy. Materials Science and Engineering C, 2019, 102, 113-123.	7.3	23
16	Photopolymerization of complex emulsions with irregular shapes fabricated by multiplex coaxial flow focusing. Applied Physics Letters, 2018, 112, .	3.3	24
17	Coreâ€“shell microencapsulation of curcumin in PLGA microparticles: programmed for application in ovarian cancer therapy. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 481-491.	2.8	29
18	Rapid production of single- and multi-compartment polymeric microcapsules in a facile 3D microfluidic process for magnetic separation and synergistic delivery. Sensors and Actuators B: Chemical, 2018, 275, 190-198.	7.8	30

#	Article	IF	Citations
19	Hemoglobin-Laden Microcapsules for Simulating Oxygen Dynamics of Biological Tissue. ACS Biomaterials Science and Engineering, 2018, 4, 3177-3184.	5.2	20
20	Multiplex coaxial flow focusing for producing multicompartment Janus microcapsules with tunable material compositions and structural characteristics. Lab on A Chip, 2017, 17, 3168-3175.	6.0	46
21	Optical droplet vaporization of nanoparticle-loaded stimuli-responsive microbubbles. Applied Physics Letters, 2016, 108, .	3.3	34
22	Microfluidic fabrication of stimuli-responsive microdroplets for acoustic and optical droplet vaporization. Journal of Materials Chemistry B, 2016, 4, 2723-2730.	5.8	17
23	Microencapsulation of indocyanine green for potential applications in image-guided drug delivery. Lab on A Chip, 2015, 15, 646-649.	6.0	49
24	Numerical and Experimental Study of the Structural Color by Widening the Pore Size of Nanoporous Anodic Alumina. Journal of Nanomaterials, 2014, 2014, 1-10.	2.7	7
25	Controllable liquid spread speed in the groove using femtosecond laser. , 2014, , .		0
26	Self-driven flow in surface grooves fabricated by femtosecond laser. Surface and Coatings Technology, 2014, 242, 246-250.	4.8	5
27	Evolution of titanium surfaces irradiated by femtosecond laser pulses with different wavelengths. , 2013, , .		2
28	Brilliant and tunable color by changing pore diameter of metal-coated porous anodic alumina. Proceedings of SPIE, 2012, , .	0.8	3