

# Jiang Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51  
papers

627  
citations

14  
h-index

22  
g-index

61  
ext. papers

763  
ext. citations

4.9  
avg, IF

4.02  
L-index

#	Paper	IF	Citations
51	Electrostatic wrapping of a microfiber around a curved particle. <i>Soft Matter</i> , <b>2021</b> , 17, 3609-3618	3.6	2
50	Effects of altered blood flow induced by the muscle pump on thrombosis in a microfluidic venous valve model. <i>Lab on A Chip</i> , <b>2020</b> , 20, 2473-2481	7.2	3
49	Scalable preparation of hollow ZrO <sub>2</sub> microspheres through a liquid-liquid phase reunion assisted sol-gel method. <i>Ceramics International</i> , <b>2020</b> , 46, 14188-14194	5.1	6
48	Dielectric tetrahedrons as terahertz resonators switched from perfect absorber to reflector. <i>Scientific Reports</i> , <b>2020</b> , 10, 17134	4.9	0
47	Drainage of lubrication film around stuck bubbles in vertical capillaries. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 111601	3.4	4
46	Fluorescent reconstitution on deposition of PM in lung and extrapulmonary organs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 2488-2493	11.5	55
45	Margination mechanism of stiffened red blood cell in microchannel with different cross-section shapes. <i>Microfluidics and Nanofluidics</i> , <b>2019</b> , 23, 1	2.8	4
44	Relationship between the microstructure and properties of a peak aged CuNiCoSi alloy. <i>Materials Science and Technology</i> , <b>2019</b> , 35, 606-614	1.5	14
43	Size-Dependent Phase Separation in Emulsion Droplets. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1995-1998	3.2	6
42	Microfluidic fabrication of ceramic microspheres with controlled morphologies. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 3787-3796	3.8	10
41	Hydrodynamically Formed Uniform Thick Coatings on Microspheres. <i>Small</i> , <b>2018</b> , 14, e1800613	11	5
40	Coating Fabrication: Hydrodynamically Formed Uniform Thick Coatings on Microspheres (Small 23/2018). <i>Small</i> , <b>2018</b> , 14, 1870105	11	
39	Film coating on a small sphere crossing an oil-water interface. <i>Physical Review Fluids</i> , <b>2018</b> , 3,	2.8	3
38	Concentric ripples of lubrication film in electrowetting. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 243702	3.4	2
37	Cleaning of Fluid-Infused Surfaces in Microchannels. <i>Langmuir</i> , <b>2018</b> , 34, 12532-12537	4	1
36	Phase inversion of slug flow on step surface to form high viscosity droplets in microchannel. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 181601	3.4	8
35	Microfluidic Generation of High-Viscosity Droplets by Surface-Controlled Breakup of Segment Flow. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21059-21064	9.5	13

34	Droplet Micro-Reactor for Internal Gelation to Fabricate ZrO <sub>2</sub> Ceramic Microspheres. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 41-48	3.8	11
33	Margination of Stiffened Red Blood Cells Regulated By Vessel Geometry. <i>Scientific Reports</i> , <b>2017</b> , 7, 15253	4.3	12
32	Lubrication for Transporting Heavy Objects in the History. <i>Tribology Online</i> , <b>2016</b> , 11, 242-248	0.9	0
31	Mass-Transfer-Induced Multistep Phase Separation in Emulsion Droplets: Toward Self-Assembly Multilayered Emulsions and Onionlike Microspheres. <i>Langmuir</i> , <b>2016</b> , 32, 7882-7	4	14
30	Altering Emulsion Stability with Heterogeneous Surface Wettability. <i>Scientific Reports</i> , <b>2016</b> , 6, 26953	4.9	11
29	Microfluidic production of porous carbon spheres with tunable size and pores. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 461, 168-172	9.3	9
28	Cavitation noise from elastic response of metals in ultrasonic cavitation erosion. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , <b>2016</b> , 230, 836-841	1.4	0
27	Fluid bearing effect of enclosed liquids in grooves on drag reduction in microchannels. <i>Physical Review Fluids</i> , <b>2016</b> , 1,	2.8	8
26	Bubble Collisions in Microchannels Affected by Hydrodynamic Pressures. <i>Tribology Online</i> , <b>2016</b> , 11, 281-287	2.7	1
25	Thin-film profile around long bubbles in square microchannels measured by chromatic interference method. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 041604	3.4	6
24	Drag Reduction by Bubble-Covered Surfaces Found in PDMS Microchannel through Depressurization. <i>Langmuir</i> , <b>2016</b> , 32, 4815-9	4	20
23	Influence of microparticle size on cavitation noise during ultrasonic vibration. <i>AIP Advances</i> , <b>2015</b> , 5, 097145	1.5	3
22	Thin lubrication film around moving bubbles measured in square microchannels. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 141608	3.4	17
21	USB-driven microfluidic chips on printed circuit boards. <i>Lab on A Chip</i> , <b>2014</b> , 14, 860-4	7.2	24
20	Electrowetting-on-dielectrics for manipulation of oil drops and gas bubbles in aqueous-shell compound drops. <i>Lab on A Chip</i> , <b>2014</b> , 14, 4334-7	7.2	19
19	Sonication-microfluidics for fabrication of nanoparticle-stabilized microbubbles. <i>Langmuir</i> , <b>2014</b> , 30, 4262-6	4	19
18	Growth of bubbles on a solid surface in response to a pressure reduction. <i>Langmuir</i> , <b>2014</b> , 30, 4223-8	4	17
17	Ice lubrication for moving heavy stones to the Forbidden City in 15th- and 16th-century China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 20023-7	11.5	10

16	Formation and Development of Iridescent Rings Around Cavitation Erosion Pits. <i>Tribology Letters</i> , <b>2013</b> , 52, 495-500	2.8	13
15	Gas-core triple emulsions for ultrasound triggered release. <i>Soft Matter</i> , <b>2013</b> , 9, 38-42	3.6	31
14	Fabrication of ceramic microspheres by diffusion-induced sol-gel reaction in double emulsions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 11489-93	9.5	18
13	Adhesion of moving droplets in microchannels. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 131605	3.4	15
12	Cavitation Erosion on Solid Polymers of Polytetrafluoroethylene. <i>Tribology Letters</i> , <b>2012</b> , 47, 17-20	2.8	5
11	Reactions in double emulsions by flow-controlled coalescence of encapsulated drops. <i>Lab on A Chip</i> , <b>2011</b> , 11, 2312-5	7.2	68
10	Long range interactions between micro spheres and alloy surfaces in water changed by ion implantation. <i>Applied Surface Science</i> , <b>2011</b> , 258, 474-477	6.7	3
9	Breakup of double emulsions in constrictions. <i>Soft Matter</i> , <b>2011</b> , 7, 2345	3.6	43
8	Breakup of double emulsion droplets in a tapered nozzle. <i>Langmuir</i> , <b>2011</b> , 27, 4324-7	4	32
7	Affected zone generated around the erosion pit on carbon steel surface at the incipient stage of vibration cavitation. <i>Science Bulletin</i> , <b>2008</b> , 53, 943-947	10.6	7
6	Evaluation on Applicability of Reynolds Equation for Squared Transverse Roughness Compared to CFD. <i>Journal of Tribology</i> , <b>2007</b> , 129, 963-967	1.8	39
5	Investigation on Surface Forces Measurement Using Force-Balanced MEMS Sensor <b>2006</b> ,		2
4	Study of Drag Forces on a Designed Surface in Bubbly Water Lubrication Using Electrolysis. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2006</b> , 128, 1383-1389	2.1	7
3	ZrO <sub>2</sub> Matrix Toughened Ceramic Material-Strength and Toughness. <i>Advanced Engineering Materials</i> , <b>2006</b> , 8, 1278	3.5	1
2	A microfluidic bleeding model to investigate the effects of blood flow shear on microvascular hemostasis. <i>Friction</i> , <b>2006</b> , 1, 1-5	5.6	1
1	Interventional Microbubble Enhanced Sonothrombolysis on Left Ventricular Assist Devices. <i>Advanced Science</i> , <b>2020</b> , 2201291	13.6	0