

# Jian Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,392  
citations

516710

16  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1359  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-small cell lung carcinoma spheroid models in agarose microwells for drug response studies. Lab on A Chip, 2022, 22, 2364-2375.	6.0	15
2	Microfluidic techniques for isolation, formation, and characterization of circulating tumor cells and clusters. APL Bioengineering, 2022, 6, .	6.2	16
3	Circulating tumor cell detection and single-cell analysis using an integrated workflow based on ChimeraX <sup>®</sup> 120 Platform: A prospective study. Molecular Oncology, 2021, 15, 2345-2362.	4.6	9
4	Resolving dynamics of inertial migration in straight and curved microchannels by direct cross-sectional imaging. Biomicrofluidics, 2021, 15, 014101.	2.4	11
5	Polycarbonate Masters for Soft Lithography. Micromachines, 2021, 12, 1392.	2.9	5
6	The label-free separation and culture of tumor cells in a microfluidic biochip. Analyst, The, 2020, 145, 1706-1715.	3.5	27
7	Mapping inertial migration in the cross section of a microfluidic channel with high-speed imaging. Microsystems and Nanoengineering, 2020, 6, 105.	7.0	8
8	Viscoelastic microfluidics: progress and challenges. Microsystems and Nanoengineering, 2020, 6, 113.	7.0	109
9	Evaluation of Performance and Tunability of a Co-Flow Inertial Microfluidic Device. Micromachines, 2020, 11, 287.	2.9	10
10	Microfluidic systems for hydrodynamic trapping of cells and clusters. Biomicrofluidics, 2020, 14, 031502.	2.4	44
11	Size-dependent enrichment of leukocytes from undiluted whole blood using shear-induced diffusion. Lab on A Chip, 2019, 19, 3416-3426.	6.0	25
12	Single stream inertial focusing in low aspect-ratio triangular microchannels. Lab on A Chip, 2019, 19, 147-157.	6.0	55
13	Capture of Circulating Tumour Cell Clusters Using Straight Microfluidic Chips. Cancers, 2019, 11, 89.	3.7	75
14	Rapid Prototyping of Soft Lithography Masters for Microfluidic Devices Using Dry Film Photoresist in a Non-Cleanroom Setting. Micromachines, 2019, 10, 192.	2.9	41
15	Isolation of circulating tumor cells in non-small-cell-lung-cancer patients using a multi-flow microfluidic channel. Microsystems and Nanoengineering, 2019, 5, 8.	7.0	138
16	Label-free microfluidic sorting of microparticles. APL Bioengineering, 2019, 3, 041504.	6.2	63
17	Isolation of cells from whole blood using shear-induced diffusion. Scientific Reports, 2018, 8, 9411.	3.3	46
18	Microfluidic separation of particles from whole blood using shear induced diffusion. Proceedings of SPIE, 2017, , .	0.8	3

#	ARTICLE	IF	CITATIONS
19	Study of the union method of microelectrode array and AFM for the recording of electromechanical activities in living cardiomyocytes. <i>European Biophysics Journal</i> , 2017, 46, 495-507.	2.2	12
20	A flexible cell concentrator using inertial focusing. <i>Biomedical Microdevices</i> , 2017, 19, 83.	2.8	22
21	Study of laser uncaging induced morphological alteration of rat cortical neurites using atomic force microscopy. <i>Journal of Neuroscience Methods</i> , 2015, 253, 151-160.	2.5	7
22	Modulation of rotation-induced lift force for cell filtration in a low aspect ratio microchannel. <i>Biomicrofluidics</i> , 2014, 8, 044112.	2.4	19
23	Enhanced size-dependent trapping of particles using microvortices. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 611-623.	2.2	75
24	Vortex-aided inertial microfluidic device for continuous particle separation with high size-selectivity, efficiency, and purity. <i>Biomicrofluidics</i> , 2013, 7, 044119.	2.4	70
25	Fundamentals of inertial focusing in microchannels. <i>Lab on A Chip</i> , 2013, 13, 1121.	6.0	351
26	Modulation of aspect ratio for complete separation in an inertial microfluidic channel. <i>Lab on A Chip</i> , 2013, 13, 1919.	6.0	136