

# Siyang Zheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11912768/publications.pdf>

Version: 2024-02-01

21  
papers

1,779  
citations

933447

10  
h-index

1125743

13  
g-index

21  
all docs

21  
docs citations

21  
times ranked

2352  
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane microfilter device for selective capture, electrolysis and genomic analysis of human circulating tumor cells. <i>Journal of Chromatography A</i> , 2007, 1162, 154-161.	3.7	547
2	Portable Filter-Based Microdevice for Detection and Characterization of Circulating Tumor Cells. <i>Clinical Cancer Research</i> , 2010, 16, 5011-5018.	7.0	424
3	3D microfilter device for viable circulating tumor cell (CTC) enrichment from blood. <i>Biomedical Microdevices</i> , 2011, 13, 203-213.	2.8	394
4	Synthesis and characterization of anti-bacterial and anti-fungal citrate-based mussel-inspired bioadhesives. <i>Biomaterials</i> , 2016, 85, 204-217.	11.4	88
5	G-Fresnel smartphone spectrometer. <i>Lab on A Chip</i> , 2016, 16, 246-250.	6.0	80
6	Micro coulter counters with platinum black electroplated electrodes for human blood cell sensing. <i>Biomedical Microdevices</i> , 2008, 10, 221-231.	2.8	61
7	A study of the autofluorescence of parylene materials for $\mu$ TAS applications. <i>Lab on A Chip</i> , 2010, 10, 1826.	6.0	59
8	Streamline-Based Microfluidic Devices for Erythrocytes and Leukocytes Separation. <i>Journal of Microelectromechanical Systems</i> , 2008, 17, 1029-1038.	2.5	43
9	Preparation of magnetic graphene composites with hierarchical structure for selective capture of phosphopeptides. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4711.	5.8	28
10	Predicting therapy response in live tumor cells isolated with the flexible micro spring array device. <i>Cell Cycle</i> , 2013, 12, 2132-2143.	2.6	23
11	Parylene membrane slot filter for the capture, analysis and culture of viable circulating tumor cells. , 2010, , .		16
12	Z-microscopy for parallel axial imaging with micro mirror array. <i>Applied Physics Letters</i> , 2012, 101, 231111.	3.3	5
13	A Resonance-Induced Sensitivity Enhancement Method for Conductivity Sensors. , 2006, , .		3
14	Advanced Needle Coatings for Improved Lumbar Drain Procedure. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2013, 7, .	0.7	3
15	Microfluidic device for studying tumor cell extravasation in cancer metastasis. , 2010, , .		2
16	Parylene background fluorescence study for biomems applications. , 2009, , .		1
17	Clinical translation of a novel microfilter technology Capture, characterization and culture of circulating tumor cells. , 2013, , .		1
18	Perspectives on the Functional Characterization and In Vitro Maintenance of Circulating Tumor Cells. <i>Current Cancer Research</i> , 2016, , 215-231.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Nano-to-micro self-assembly using shear flow devices. , 0, , .		0
20	Resonance Induced Impedance Sensing of Human Blood Cells. , 2007, , .		0
21	Fluorescent Labeling, Sensing and Differentiation of Leukocytes from Undiluted Whole Blood Samples. , 2007, , .		0