Zongbin Liu

List of Publications by Year
in descending order

19	926	516710 16	794594 19
papers	citations	h-index	g-index

19	19	19	1578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CRISPR-Cas9 delivery to hard-to-transfect cells via membrane deformation. Science Advances, 2015, 1, e1500454.	10.3	190
2	Rapid isolation of cancer cells using microfluidic deterministic lateral displacement structure. Biomicrofluidics, 2013, 7, 11801.	2.4	180
3	High throughput capture of circulating tumor cells using an integrated microfluidic system. Biosensors and Bioelectronics, 2013, 47, 113-119.	10.1	90
4	Molecularly imprinted polyethersulfone microspheres for the binding and recognition of bisphenol A. Analytica Chimica Acta, 2005, 546, 30-36.	5.4	75
5	BSA-Modified Polyethersulfone Membrane: Preparation, Characterization and Biocompatibility. Journal of Biomaterials Science, Polymer Edition, 2009, 20, 377-397.	3.5	58
6	Microfluidic cytometric analysis of cancer cell transportability and invasiveness. Scientific Reports, 2015, 5, 14272.	3.3	48
7	Cas9 Ribonucleoprotein Delivery via Microfluidic Cellâ€Deformation Chip for Human Tâ€Cell Genome Editing and Immunotherapy. Advanced Biology, 2017, 1, e1600007.	3.0	36
8	Covalently immobilized biomolecule gradient on hydrogel surface using a gradient generating microfluidic device for a quantitative mesenchymal stem cell study. Biomicrofluidics, 2012, 6, 024111.	2.4	34
9	Cascaded filter deterministic lateral displacement microchips for isolation and molecular analysis of circulating tumor cells and fusion cells. Lab on A Chip, 2021, 21, 2881-2891.	6.0	32
10	Recent Progress of Microfluidics in Translational Applications. Advanced Healthcare Materials, 2016, 5, 871-888.	7.6	30
11	Microfluidic Cell Deformability Assay for Rapid and Efficient Kinase Screening with the CRISPRâ€Cas9 System. Angewandte Chemie - International Edition, 2016, 55, 8561-8565.	13.8	26
12	Highly efficient genome editing of human hematopoietic stem cells via a nano-silicon-blade delivery approach. Integrative Biology (United Kingdom), 2017, 9, 548-554.	1.3	23
13	Retinal synaptic regeneration via microfluidic guiding channels. Scientific Reports, 2015, 5, 13591.	3.3	22
14	Integrated Microfluidic Chip for Efficient Isolation and Deformability Analysis of Circulating Tumor Cells. Advanced Biology, 2018, 2, 1800200.	3.0	21
15	Polyethersulfone dead-end tube as a scaffold for artificial lacrimal glandsin vitro. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 78B, 409-416.	3.4	19
16	Polysulfoneâ€Activated Carbon Hybrid Particles for the Removal of BPA. Separation Science and Technology, 2006, 41, 515-529.	2.5	17
17	Integrated Microfluidic System for Gene Silencing and Cell Migration. Advanced Biology, 2017, 1, 1700054.	3.0	13
18	Microfluidic Cell Deformability Assay for Rapid and Efficient Kinase Screening with the CRISPRâ€Cas9 System. Angewandte Chemie, 2016, 128, 8703-8707.	2.0	6

#	Article	IF	Citations
19	Microfluidic Mapping of Cancer Cellâ€“Protein Binding Interaction. ACS Applied Materials & Interfaces, 2017, 9, 22143-22148.	8.0	6