

Zheng Ao

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,184
citations

411340

20
h-index

536525

29
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35
all docs

35
docs citations

35
times ranked

1614
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Spinal Organoid-on-a-Chip to Model Nociceptive Circuitry for Pain Therapeutics Discovery. <i>Analytical Chemistry</i> , 2022, 94, 1365-1372.	3.2	26
2	Rapid Profiling of Tumor-Immune Interaction Using Acoustically Assembled Patient-Derived Cell Clusters. <i>Advanced Science</i> , 2022, 9, .	5.6	21
3	Metabolomic analysis of exosomal-markers in esophageal squamous cell carcinoma. <i>Nanoscale</i> , 2021, 13, 16457-16464.	2.8	26
4	Controllable fusion of human brain organoids using acoustofluidics. <i>Lab on A Chip</i> , 2021, 21, 688-699.	3.1	55
5	Tubular human brain organoids to model microglia-mediated neuroinflammation. <i>Lab on A Chip</i> , 2021, 21, 2751-2762.	3.1	41
6	Microfluidic Printing of Tunable Hollow Microfibers for Vascular Tissue Engineering. <i>Advanced Materials Technologies</i> , 2021, 6, 2000683.	3.0	14
7	Intelligent acoustofluidics enabled mini-bioreactors for human brain organoids. <i>Lab on A Chip</i> , 2021, 21, 2194-2205.	3.1	31
8	An organoid-based screen for epigenetic inhibitors that stimulate antigen presentation and potentiate T-cell-mediated cytotoxicity. <i>Nature Biomedical Engineering</i> , 2021, 5, 1320-1335.	11.6	49
9	Profiling Cell-Matrix Adhesion Using Digitalized Acoustic Streaming. <i>Analytical Chemistry</i> , 2020, 92, 2283-2290.	3.2	20
10	Rapid Microfluidic Formation of Uniform Patient-Derived Breast Tumor Spheroids. <i>ACS Applied Bio Materials</i> , 2020, 3, 6273-6283.	2.3	27
11	Acoustofluidic assembly of 3D neurospheroids to model Alzheimer's disease. <i>Analyst, The</i> , 2020, 145, 6243-6253.	1.7	44
12	One-Stop Microfluidic Assembly of Human Brain Organoids To Model Prenatal Cannabis Exposure. <i>Analytical Chemistry</i> , 2020, 92, 4630-4638.	3.2	91
13	Trapping cell spheroids and organoids using digital acoustofluidics. <i>Biofabrication</i> , 2020, 12, 035025.	3.7	29
14	A Digital Acoustofluidic Pump Powered by Localized Fluid-Substrate Interactions. <i>Analytical Chemistry</i> , 2019, 91, 7097-7103.	3.2	32
15	High-throughput acoustofluidic fabrication of tumor spheroids. <i>Lab on A Chip</i> , 2019, 19, 1755-1763.	3.1	88
16	A digital acoustofluidic device for on-demand and oil-free droplet generation. <i>Nanotechnology</i> , 2019, 30, 084001.	1.3	18
17	Acoustic assembly of cell spheroids in disposable capillaries. <i>Nanotechnology</i> , 2018, 29, 504006.	1.3	44
18	Gelatin Nanoparticle-Coated Silicon Beads for Density-Selective Capture and Release of Heterogeneous Circulating Tumor Cells with High Purity. <i>Theranostics</i> , 2018, 8, 1624-1635.	4.6	66

#	ARTICLE	IF	CITATIONS
19	Microfilter-Based Capture and Release of Viable Circulating Tumor Cells. <i>Methods in Molecular Biology</i> , 2017, 1634, 93-105.	0.4	3
20	Capture and Release of Viable Circulating Tumor Cells from Blood. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	2
21	Significance of Studying Circulating Tumor Cells. <i>Current Cancer Research</i> , 2016, , 3-15.	0.2	1
22	A surface acoustic wave biosensor for interrogation of single tumour cells in microcavities. <i>Lab on A Chip</i> , 2016, 16, 163-171.	3.1	20
23	Isolation of Circulating Tumor Cells Using Stiffness-Based Filtration Platform. , 2015, , .		1
24	Hierarchical paracrine interaction of breast cancer associated fibroblasts with cancer cells via hMAPK-microRNAs to drive ER-negative breast cancer phenotype. <i>Cancer Biology and Therapy</i> , 2015, 16, 1671-1681.	1.5	49
25	Thermoresponsive release of viable microfiltrated Circulating Tumor Cells (CTCs) for precision medicine applications. <i>Lab on A Chip</i> , 2015, 15, 4277-4282.	3.1	22
26	Identification of Cancer-Associated Fibroblasts in Circulating Blood from Patients with Metastatic Breast Cancer. <i>Cancer Research</i> , 2015, 75, 4681-4687.	0.4	167
27	Early Changes in Circulating Tumor Cells and Free Circulating DNA in Men Treated for Prostate Cancer: Contrasting Primary Versus Salvage Treatment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, E221.	0.4	0
28	Correlation Between MRI-Derived Quantitative Biomarkers and Circulating Tumor Cells in Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, E218-E219.	0.4	0
29	Fourier ptychographic microscopy for filtration-based circulating tumor cell enumeration and analysis. <i>Journal of Biomedical Optics</i> , 2014, 19, 066007.	1.4	73
30	Separable Bilayer Microfiltration Device for Viable Label-free Enrichment of Circulating Tumour Cells. <i>Scientific Reports</i> , 2014, 4, 7392.	1.6	91
31	Primary breast tumor-derived cellular models: characterization of tumorigenic, metastatic, and cancer-associated fibroblasts in dissociated tumor (DT) cultures. <i>Breast Cancer Research and Treatment</i> , 2014, 144, 503-517.	1.1	31
32	Clinical translation of a novel microfilter technology Capture, characterization and culture of circulating tumor cells. , 2013, , .		1