

# Ruxiu Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

284  
citations

932766

10  
h-index

940134

16  
g-index

22  
all docs

22  
docs citations

22  
times ranked

222  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic CODES: a scalable multiplexed electronic sensor for orthogonal detection of particles in microfluidic channels. Lab on A Chip, 2016, 16, 1350-1357.	3.1	49
2	Hybrid negative enrichment of circulating tumor cells from whole blood in a 3D-printed monolithic device. Lab on A Chip, 2019, 19, 3427-3437.	3.1	33
3	High throughput, label-free isolation of circulating tumor cell clusters in meshed microwells. Nature Communications, 2022, 13, .	5.8	33
4	Processing code-multiplexed Coulter signals <i>via</i> deep convolutional neural networks. Lab on A Chip, 2019, 19, 3292-3304.	3.1	31
5	Design and modeling of electrode networks for code-division multiplexed resistive pulse sensing in microfluidic devices. Lab on A Chip, 2017, 17, 2650-2666.	3.1	23
6	Closed-loop feedback control of microfluidic cell manipulation <i>via</i> deep-learning integrated sensor networks. Lab on A Chip, 2021, 21, 1916-1928.	3.1	23
7	Capillary flow control in lateral flow assays via delaminating timers. Science Advances, 2021, 7, eabf9833.	4.7	18
8	Scaling code-multiplexed electrode networks for distributed Coulter detection in microfluidics. Biosensors and Bioelectronics, 2018, 120, 30-39.	5.3	14
9	Electronic profiling of membrane antigen expression <i>via</i> immunomagnetic cell manipulation. Lab on A Chip, 2019, 19, 2444-2455.	3.1	13
10	Combinatorial Immunophenotyping of Cell Populations with an Electronic Antibody Microarray. Small, 2019, 15, e1904732.	5.2	12
11	Electronic Immunoaffinity Assay for Differential Leukocyte Counts. Journal of Microelectromechanical Systems, 2020, 29, 942-947.	1.7	9
12	Microfluidic Platform with Multiplexed Electronic Detection for Spatial Tracking of Particles. Journal of Visualized Experiments, 2017, , .	0.2	6
13	Integrated sensor networks with error correction for multiplexed particle tracking in microfluidic chips. Biosensors and Bioelectronics, 2021, 174, 112818.	5.3	6
14	Electronic measurement of cell antigen expression in whole blood. Lab on A Chip, 2022, 22, 296-312.	3.1	5
15	A microfluidic device for electronic cell surface expression profiling using magnetophoresis. , 2017, , .		3
16	Negative enrichment of circulating tumor cells from unmanipulated whole blood with a 3D printed device. Scientific Reports, 2021, 11, 20583.	1.6	3
17	Code-division multiplexed resistive pulse sensor networks for spatio-temporal detection of particles in microfluidic devices. , 2017, , .		1
18	Quantitative Measurement of Cell Surface Expression Via Magnetophoretic Cytometry. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Centrifugation-Assisted Three-Dimensional Printing of Devices Embedded with Fully Enclosed Microchannels. <i>3D Printing and Additive Manufacturing</i> , 2023, 10, 609-618.	1.4	1
20	High Throughput Cell Mechanophenotyping via Microfluidic Constrictions with Multiplexed Electrical Sensors. , 2019, , .		0
21	Analysis and Characterization of Soft-Lithography-Compatible Parallel-Electrode-Sensors in Microfluidic Devices. , 2019, , .		0