Maria Antfolk

List of Publications by Year
in descending order

19	1,491	567281 15	794594 19
papers	citations	h-index	g-index

19	19	19	1943
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microfluidic, Label-Free Enrichment of Prostate Cancer Cells in Blood Based on Acoustophoresis. Analytical Chemistry, 2012, 84, 7954-7962.	6.5	287
2	In Vitro Bloodâ€“Brain Barrier Modelsâ€”An Overview of Established Models and New Microfluidic Approaches. Journal of Pharmaceutical Sciences, 2015, 104, 2727-2746.	3.3	156
3	Continuous flow microfluidic separation and processing of rare cells and bioparticles found in blood â€“ A review. Analytica Chimica Acta, 2017, 965, 9-35.	5.4	153
4	Acoustofluidic, Label-Free Separation and Simultaneous Concentration of Rare Tumor Cells from White Blood Cells. Analytical Chemistry, 2015, 87, 9322-9328.	6.5	131
5	Focusing of sub-micrometer particles and bacteria enabled by two-dimensional acoustophoresis. Lab on A Chip, 2014, 14, 2791-2799.	6.0	124
6	Microchannel Acoustophoresis does not Impact Survival or Function of Microglia, Leukocytes or Tumor Cells. PLoS ONE, 2013, 8, e64233.	2.5	101
7	A single inlet two-stage acoustophoresis chip enabling tumor cell enrichment from white blood cells. Lab on A Chip, 2015, 15, 2102-2109.	6.0	92
8	Acoustic actuated fluorescence activated sorting of microparticles. Lab on A Chip, 2014, 14, 1943-1950.	6.0	80
9	Two-hundredfold volume concentration of dilute cell and particle suspensions using chip integrated multistage acoustophoresis. Lab on A Chip, 2012, 12, 4610.	6.0	79
10	Label-free single-cell separation and imaging of cancer cells using an integrated microfluidic system. Scientific Reports, 2017, 7, 46507.	3.3	70
11	A practical guide to microfabrication and patterning of hydrogels for biomimetic cell culture scaffolds. Organs-on-a-Chip, 2020, 2, 100003.	3.2	51
12	Continuous Flow Two-Dimensional Acoustic Orientation of Nonspherical Cells. Analytical Chemistry, 2014, 86, 6111-6114.	6.5	47
13	Highly efficient single cell arraying by integrating acoustophoretic cell pre-concentration and dielectrophoretic cell trapping. Lab on A Chip, 2015, 15, 4356-4363.	6.0	41
14	Thousand-Fold Volumetric Concentration of Live Cells with a Recirculating Acoustofluidic Device. Analytical Chemistry, 2015, 87, 8497-8502.	6.5	39
15	A bioengineering perspective on modelling the intestinal epithelial physiology in vitro. Nature Communications, 2020, 11, 6244.	12.8	20
16	Variability in the precore and core promoter region of the hepatitis B virus genome. Journal of Medical Virology, 2014, 86, 437-445.	5.0	12
17	Brain microvasculature endothelial cell orientation on micropatterned hydrogels is affected by glucose level variations. Scientific Reports, 2021, 11, 19608.	3.3	4
18	Acoustofluidic Blood Component Sample Preparation and Processing in Medical Applications. Bioanalysis, 2019, , 1-25.	0.1	3

#	Article	IF	Citations
19	Confocal imaging dataset to assess endothelial cell orientation during extreme glucose conditions. Scientific Data, 2022, 9, 26.	5.3	1