

Arian Aghilinejad

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

252
citations

1307594

7
h-index

1588992

8
g-index

11
all docs

11
docs citations

11
times ranked

231
citing authors

#	ARTICLE	IF	CITATIONS
1	On the design of deterministic dielectrophoresis for continuous separation of circulating tumor cells from peripheral blood cells. <i>Electrophoresis</i> , 2019, 40, 1486-1493.	2.4	67
2	Effects of electrothermal vortices on insulator-based dielectrophoresis for circulating tumor cell separation. <i>Electrophoresis</i> , 2018, 39, 869-877.	2.4	46
3	Deterministic lateral displacement (DLD) in the high Reynolds number regime: high-throughput and dynamic separation characteristics. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	42
4	On the transport of particles/cells in high-throughput deterministic lateral displacement devices: Implications for circulating tumor cell separation. <i>Biomicrofluidics</i> , 2019, 13, 034112.	2.4	33
5	Vortex-free high-Reynolds deterministic lateral displacement (DLD) via airfoil pillars. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	27
6	On the accuracy of displacement-based wave intensity analysis: Effect of vessel wall viscoelasticity and nonlinearity. <i>PLoS ONE</i> , 2019, 14, e0224390.	2.5	16
7	Numerical study of insulator-based dielectrophoresis method for circulating tumor cell separation. <i>Proceedings of SPIE</i> , 2017, , .	0.8	10
8	Accuracy and applicability of non-invasive evaluation of aortic wave intensity using only pressure waveforms in humans. <i>Physiological Measurement</i> , 2021, 42, 105003.	2.1	8
9	Numerical Study of Joule Heating Effect on Dielectrophoresis-Based Circulating Tumor Cell Separation. , 2017, , .		2
10	Enhancing the Cell Viability in High Throughput Deterministic Lateral Displacement Separation of Circulating Tumor Cells. , 2019, , .		1