

# Samaneh Afshar

## List of Publications by Year in descending order

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14  
papers

121  
citations

1478505

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1588992

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14  
docs citations

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times ranked

133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Frequency DEP Cytometer Employing a Microwave Sensor for Dielectric Analysis of Single Cells. IEEE Transactions on Microwave Theory and Techniques, 2016, , 1-9.	4.6	23
2	Quantitative Model for Ion Transport and Cytoplasm Conductivity of Chinese Hamster Ovary Cells. Scientific Reports, 2018, 8, 17818.	3.3	19
3	Progression of change in membrane capacitance and cytoplasm conductivity of cells during controlled starvation using dual-frequency DEP cytometry. Analytica Chimica Acta, 2019, 1059, 59-67.	5.4	16
4	Dielectric Properties of Single Cells Subjected to Heat Shock Using DEP Cytometry. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5933-5940.	4.6	13
5	Single cell dielectrophoresis study of apoptosis progression induced by controlled starvation. Bioelectrochemistry, 2018, 124, 73-79.	4.6	13
6	Cytoplasmic conductivity as a marker for bioprocess monitoring: Study of Chinese hamster ovary cells under nutrient deprivation and reintroduction. Biotechnology and Bioengineering, 2019, 116, 2896-2905.	3.3	7
7	Parallel single-cell optical transit dielectrophoresis cytometer. Electrophoresis, 2020, 41, 720-728.	2.4	6
8	Full Beta-Dispersion Region Dielectric Spectra and Dielectric Models of Viable and Non-Viable CHO Cells. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 70-77.	3.4	6
9	Change in the dielectric response of single cells induced by nutrient deprivation over a wide frequency range. , 2017, , .		5
10	Multi-frequency DEP cytometer employing a microwave interferometer for the dielectric analysis of micro-particles. , 2015, , .		4
11	In-flow dielectric characterization of single biological cells using a wideband DEP cytometer. , 2016, , .		3
12	In-Flow Dielectrophoresis Sensor for Measuring the Dielectric Spectrum of Single Cells: Viable and Non-viable Cells. , 2019, , .		3
13	DEP Measurement of the Dielectric Properties of Single CHO Cells Under Thermal Stress. , 2018, , .		2
14	Two-frequency dielectrophoresis analysis of viable/non-viable single CHO cells employing a microwave cytometer. , 2016, , .		1