

David Holmes

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,793
citations

759233

12
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

1889
citing authors

#	ARTICLE	IF	CITATIONS
1	Single cell dielectric spectroscopy. Journal Physics D: Applied Physics, 2007, 40, 61-70.	2.8	365
2	Leukocyte analysis and differentiation using high speed microfluidic single cell impedance cytometry. Lab on A Chip, 2009, 9, 2881.	6.0	365
3	High throughput particle analysis: Combining dielectrophoretic particle focussing with confocal optical detection. Biosensors and Bioelectronics, 2006, 21, 1621-1630.	10.1	158
4	Single Cell Impedance Cytometry for Identification and Counting of CD4 T-Cells in Human Blood Using Impedance Labels. Analytical Chemistry, 2010, 82, 1455-1461.	6.5	142
5	Micro-impedance cytometry for detection and analysis of micron-sized particles and bacteria. Lab on A Chip, 2011, 11, 407-412.	6.0	129
6	The size of the EB cap determines instantaneous microtubule stability. ELife, 2016, 5, .	6.0	112
7	High speed multi-frequency impedance analysis of single particles in a microfluidic cytometer using maximum length sequences. Lab on A Chip, 2007, 7, 1034.	6.0	107
8	Separation of blood cells with differing deformability using deterministic lateral displacement<sup />. Interface Focus, 2014, 4, 20140011.	3.0	99
9	Bead-based immunoassays using a micro-chip flow cytometer. Lab on A Chip, 2007, 7, 1048.	6.0	93
10	Microdevices for dielectrophoretic flow-through cell separation. IEEE Engineering in Medicine and Biology Magazine, 2003, 22, 85-90.	0.8	78
11	High speed simultaneous single particle impedance and fluorescence analysis on a chip. Current Applied Physics, 2006, 6, 367-370.	2.4	71
12	The Application of Microfluidics in Biology. Methods in Molecular Biology, 2010, 583, 55-80.	0.9	48
13	Real-time dielectrophoretic signaling and image quantification methods for evaluating electrokinetic properties of nanoparticles. Electrophoresis, 2015, 36, 1443-1450.	2.4	9
14	Label-Free Differential Leukocyte Counts Using a Microfabricated, Single-Cell Impedance Spectrometer. , 2007, , .		7
15	Dual-cycle dielectrophoretic collection rates for probing the dielectric properties of nanoparticles. Electrophoresis, 2013, 34, 987-999.	2.4	4
16	<title>Impedance based flow sensor</title>. , 2005, , .		3
17	Micro System Technology for Marine Measurement. , 2006, , .		2
18	Exploring and Evaluating Micro-environment and Nanoparticle Dielectrophoretic-induced Interactions with Image Analysis Methods1. Materials Today: Proceedings, 2016, 3, 867-874.	1.8	1

#	ARTICLE	IF	CITATIONS
19	On-Chip Flow Cytometry. , 2016, , 2985-2996.		0
20	Electrical Impedance Cytometry. , 2016, , 959-968.		0