

Macdara T Glynn

List of Publications by Year in descending order

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29
papers

654
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687363

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times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	Event-triggered logical flow control for comprehensive process integration of multi-step assays on centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2014, 14, 2249-2258.	6.0	81
2	Centrifugal microfluidics for cell analysis. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 409-414.	6.1	80
3	CD4 counting technologies for HIV therapy monitoring in resource-poor settings – state-of-the-art and emerging microtechnologies. <i>Lab on A Chip</i> , 2013, 13, 2731.	6.0	59
4	An integrated centrifugo-opto-microfluidic platform for arraying, analysis, identification and manipulation of individual cells. <i>Lab on A Chip</i> , 2015, 15, 378-381.	6.0	52
5	Enhanced DNA-PK-mediated RPA2 hyperphosphorylation in DNA polymerase β -deficient human cells treated with cisplatin and oxaliplatin. <i>DNA Repair</i> , 2008, 7, 582-596.	2.8	49
6	Density-Gradient Mediated Band Extraction of Leukocytes from Whole Blood Using Centrifugo-Pneumatic Siphon Valving on Centrifugal Microfluidic Discs. <i>PLoS ONE</i> , 2016, 11, e0155545.	2.5	48
7	Paper imbibition for timing of multi-step liquid handling protocols on event-triggered centrifugal microfluidic lab-on-a-disc platforms. <i>RSC Advances</i> , 2015, 5, 1818-1826.	3.6	44
8	Rapid, low-cost and instrument-free CD4+ cell counting for HIV diagnostics in resource-poor settings. <i>Lab on A Chip</i> , 2014, 14, 2844-2851.	6.0	39
9	Centrifugo-Magnetophoretic Purification of CD4+ Cells from Whole Blood Toward Future HIV/AIDS Point-of-Care Applications. <i>Journal of the Association for Laboratory Automation</i> , 2014, 19, 285-296.	2.8	33
10	Rapid and cost-efficient enumeration of rare cancer cells from whole blood by low-loss centrifugo-magnetophoretic purification under stopped-flow conditions. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 74-80.	1.5	30
11	<i>Spira mirabilis</i> enhanced whole blood processing in a lab-on-a-disk. <i>Sensors and Actuators A: Physical</i> , 2014, 215, 71-76.	4.1	28
12	UV-induced RPA phosphorylation is increased in the absence of DNA polymerase β and requires DNA-PK. <i>DNA Repair</i> , 2006, 5, 491-504.	2.8	26
13	Baking Powder Actuated Centrifugo-Pneumatic Valving for Automation of Multi-Step Bioassays. <i>Micromachines</i> , 2016, 7, 175.	2.9	17
14	The RAD30 cancer susceptibility gene. <i>Biochemical Society Transactions</i> , 2003, 31, 252-256.	3.4	14
15	Solvent-selective routing for centrifugally automated solid-phase purification of RNA. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 859-871.	2.2	11
16	Cluster size distribution of cancer cells in blood using stopped-flow centrifugation along scale-matched gaps of a radially inclined rail. <i>Microsystems and Nanoengineering</i> , 2015, 1, .	7.0	10
17	Label-Free Multi Parameter Optical Interrogation of Endothelial Activation in Single Cells using a Lab on a Disc Platform. <i>Scientific Reports</i> , 2019, 9, 4157.	3.3	9
18	Centromeres: Assembling and Propagating Epigenetic Function. <i>Sub-Cellular Biochemistry</i> , 2010, 50, 223-249.	2.4	9

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19	A hybrid microfluidic platform for cell-based assays via diffusive and convective trans-membrane perfusion. <i>Biomicrofluidics</i> , 2013, 7, 34101.	2.4	7
20	Baking-powder driven centripetal pumping controlled by event-triggering of functional liquids. , 2015, , .		4
21	Cluster sizing of cancer cells by rail-based serial gap filtration in stopped-flow, continuous sedimentation mode. , 2015, , .		1
22	SIZE- and deformability-based particle sorting by strategic design of obstacle arrays in continuous centrifugal sedimentation mode. , 2015, , .		1
23	A portable optical reader and wall projector towards enumeration of bio-conjugated beads or cells. <i>PLoS ONE</i> , 2017, 12, e0189923.	2.5	1
24	Centrifugally automated Solid-Phase Extraction of DNA by immiscible liquid valving and chemically powered centripetal pumping of peripherally stored reagents. <i>Biosensors and Bioelectronics: X</i> , 2021, 9, 100085.	1.7	1
25	CD4 cell isolation from blood using finger-actuated on-chip magnetophoresis for rapid HIV/AIDS diagnostics. , 2014, , .		0
26	Fluorescent Cy5 silica nanoparticles for cancer cell imaging. , 2015, , .		0
27	Systems Biology in Single Cells. <i>Series in Bioengineering</i> , 2016, , 31-53.	0.6	0
28	Microfluidic Cell Enumeration for Biomedical Diagnostics. , 2013, , 1-11.		0
29	Microfluidic Cell Enumeration for Biomedical Diagnostics. , 2015, , 1882-1891.		0