

# Macdara T Glynn

## List of Publications by Year in descending order

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29  
papers

654  
citations

777949

13  
h-index

843174

20  
g-index

29  
all docs

29  
docs citations

29  
times ranked

815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Centrifugally automated Solid-Phase Extraction of DNA by immiscible liquid valving and chemically powered centripetal pumping of peripherally stored reagents. Biosensors and Bioelectronics: X, 2021, 9, 100085.	0.9	1
2	Label-Free Multi Parameter Optical Interrogation of Endothelial Activation in Single Cells using a Lab on a Disc Platform. Scientific Reports, 2019, 9, 4157.	1.6	9
3	A portable optical reader and wall projector towards enumeration of bio-conjugated beads or cells. PLoS ONE, 2017, 12, e0189923.	1.1	1
4	Baking Powder Actuated Centrifugo-Pneumatic Valving for Automation of Multi-Step Bioassays. Micromachines, 2016, 7, 175.	1.4	17
5	Density-Gradient Mediated Band Extraction of Leukocytes from Whole Blood Using Centrifugo-Pneumatic Siphon Valving on Centrifugal Microfluidic Discs. PLoS ONE, 2016, 11, e0155545.	1.1	48
6	Systems Biology in Single Cells. Series in Bioengineering, 2016, , 31-53.	0.3	0
7	Cluster size distribution of cancer cells in blood using stopped-flow centrifugation along scale-matched gaps of a radially inclined rail. Microsystems and Nanoengineering, 2015, 1, .	3.4	10
8	Cluster sizing of cancer cells by rail-based serial gap filtration in stopped-flow, continuous sedimentation mode. , 2015, , .		1
9	Solvent-selective routing for centrifugally automated solid-phase purification of RNA. Microfluidics and Nanofluidics, 2015, 18, 859-871.	1.0	11
10	Baking-powder driven centripetal pumping controlled by event-triggering of functional liquids. , 2015, , .		4
11	Paper imbibition for timing of multi-step liquid handling protocols on event-triggered centrifugal microfluidic lab-on-a-disc platforms. RSC Advances, 2015, 5, 1818-1826.	1.7	44
12	SIZE- and deformability-based particle sorting by strategic design of obstacle arrays in continuous centrifugal sedimentation mode. , 2015, , .		1
13	Fluorescent Cy5 silica nanoparticles for cancer cell imaging. , 2015, , .		0
14	Rapid and cost-efficient enumeration of rare cancer cells from whole blood by low-loss centrifugo-magnetophoretic purification under stopped-flow conditions. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 74-80.	1.1	30
15	An integrated centrifugo-opto-microfluidic platform for arraying, analysis, identification and manipulation of individual cells. Lab on A Chip, 2015, 15, 378-381.	3.1	52
16	Microfluidic Cell Enumeration for Biomedical Diagnostics. , 2015, , 1882-1891.		0
17	Spira mirabilis enhanced whole blood processing in a lab-on-a-disk. Sensors and Actuators A: Physical, 2014, 215, 71-76.	2.0	28
18	CD4 cell isolation from blood using finger-actuated on-chip magnetophoresis for rapid HIV/AIDS diagnostics. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	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.	3.1	81
20	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
21	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.	3.1	39
22	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.	3.1	59
23	A hybrid microfluidic platform for cell-based assays via diffusive and convective trans-membrane perfusion. <i>Biomicrofluidics</i> , 2013, 7, 34101.	1.2	7
24	Microfluidic Cell Enumeration for Biomedical Diagnostics. , 2013, , 1-11.		0
25	Centrifugal microfluidics for cell analysis. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 409-414.	2.8	80
26	Centromeres: Assembling and Propagating Epigenetic Function. <i>Sub-Cellular Biochemistry</i> , 2010, 50, 223-249.	1.0	9
27	Enhanced DNA-PK-mediated RPA2 hyperphosphorylation in DNA polymerase $\delta$ -deficient human cells treated with cisplatin and oxaliplatin. <i>DNA Repair</i> , 2008, 7, 582-596.	1.3	49
28	UV-induced RPA phosphorylation is increased in the absence of DNA polymerase $\delta$ and requires DNA-PK. <i>DNA Repair</i> , 2006, 5, 491-504.	1.3	26
29	The RAD30 cancer susceptibility gene. <i>Biochemical Society Transactions</i> , 2003, 31, 252-256.	1.6	14