

# A Bruno Frazier

## List of Publications by Year in descending order

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29  
papers

1,306  
citations

430874

18  
h-index

610901

24  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1478  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Origins and the Current Applications of Microfluidics-Based Magnetic Cell Separation Technologies. <i>Magnetochemistry</i> , 2022, 8, 10.	2.4	7
2	Six-stage cascade paramagnetic mode magnetophoretic separation system for human blood samples. <i>Biomedical Microdevices</i> , 2010, 12, 637-645.	2.8	40
3	Electrical Impedance Spectroscopy Microsystem as a Tool for Cancer Cell Analysis. , 2010, , .		0
4	An automated micro-solid phase extraction device involving integrated high-pressure microvalves for genetic sample preparation. <i>Biomedical Microdevices</i> , 2009, 11, 935-942.	2.8	19
5	Whole-Cell Impedance Analysis for Highly and Poorly Metastatic Cancer Cells. <i>Journal of Microelectromechanical Systems</i> , 2009, 18, 808-817.	2.5	66
6	Lateral displacement as a function of particle size using a piecewise curved planar interdigitated electrode array. <i>Lab on A Chip</i> , 2009, 9, 2958.	6.0	48
7	Lateral-driven continuous dielectrophoretic microseparators for blood cells suspended in a highly conductive medium. <i>Lab on A Chip</i> , 2008, 8, 1079.	6.0	102
8	6-Stage Cascade Mode Magnetophoretic Microseparator for Human Blood Cells. , 2007, , .		1
9	Quantification of the Heterogeneity in Breast Cancer Cell Lines Using Whole-Cell Impedance Spectroscopy. <i>Clinical Cancer Research</i> , 2007, 13, 139-143.	7.0	187
10	Addressable Micromachined UV Light Sources for Active Patterning. , 2007, , .		0
11	An active microfluidic system packaging technology. <i>Sensors and Actuators B: Chemical</i> , 2007, 122, 337-346.	7.8	26
12	A compartmented neuronal culture system in microdevice format. <i>Journal of Neuroscience Methods</i> , 2007, 159, 78-85.	2.5	24
13	Paramagnetic capture mode magnetophoretic microseparator for high efficiency blood cell separations. <i>Lab on A Chip</i> , 2006, 6, 265-273.	6.0	187
14	A multielectrode microcompartment culture platform for studying signal transduction in the nervous system. <i>Lab on A Chip</i> , 2006, 6, 1530.	6.0	30
15	Ion channel characterization using single cell impedance spectroscopy. <i>Lab on A Chip</i> , 2006, 6, 1412.	6.0	65
16	Microsystems for isolation and electrophysiological analysis of breast cancer cells from blood. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1907-1914.	10.1	108
17	A Multi-layer Technology for Biocompatible Polymer Microsystems with Integrated Fluid and Electrical Functionality. <i>Materials Research Society Symposia Proceedings</i> , 2004, 820, 178.	0.1	1
18	Continuous magnetophoretic separation of blood cells in microdevice format. <i>Journal of Applied Physics</i> , 2004, 96, 5797-5802.	2.5	140

#	ARTICLE	IF	CITATIONS
19	Multi-layer plastic/glass microfluidic systems containing electrical and mechanical functionality. Lab on A Chip, 2003, 3, 150.	6.0	54
20	Micropatterned Surfaces to Engineer Focal Adhesions for Analysis of Cell Adhesion Strengthening. Langmuir, 2002, 18, 5579-5584.	3.5	93
21	Geometric Scaling Effects in Electrical Field Flow Fractionation. 1. Theoretical Analysis. Analytical Chemistry, 2001, 73, 2345-2352.	6.5	40
22	High lane density slab-gel electrophoresis using micromachined instrumentation. Electrophoresis, 2001, 22, 3908-3915.	2.4	1
23	Microscale Purification Systems for Biological Sample Preparation. Biomedical Microdevices, 2001, 3, 211-218.	2.8	11
24	A Micromachined Electrical Field-Flow Fractionation ( $\mu$ -Eiff) System with Integrated Electrical Conductivity Detection and Complimentary Resonance Light Scattering Detection Systems. , 2001, , 543-544.		0
25	Hollow Metallic Micromachined Needle Arrays. Biomedical Microdevices, 2000, 2, 197-205.	2.8	29
26	Integrated micromachined components for biological analysis systems. Journal of Micromechatronics, 2000, 1, 67-83.	1.9	1
27	Piezoresistive graphite/polyimide thin films for micromachining applications. Journal of Applied Physics, 1993, 73, 4428-4433.	2.5	25
28	Mechanical and Piezoresistive Properties of Graphite-Filled Polyimide Thin Films. Materials Research Society Symposia Proceedings, 1992, 276, 295.	0.1	1
29	A cascade mode magnetophoretic microseparator for high efficiency blood cell separations. , 0, , .		0