

A Bruno Frazier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10432391/publications.pdf>

Version: 2024-02-01

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	Paramagnetic capture mode magnetophoretic microseparator for high efficiency blood cell separations. Lab on A Chip, 2006, 6, 265-273.	6.0	187
2	Quantification of the Heterogeneity in Breast Cancer Cell Lines Using Whole-Cell Impedance Spectroscopy. Clinical Cancer Research, 2007, 13, 139-143.	7.0	187
3	Continuous magnetophoretic separation of blood cells in microdevice format. Journal of Applied Physics, 2004, 96, 5797-5802.	2.5	140
4	Microsystems for isolation and electrophysiological analysis of breast cancer cells from blood. Biosensors and Bioelectronics, 2006, 21, 1907-1914.	10.1	108
5	Lateral-driven continuous dielectrophoretic microseparators for blood cells suspended in a highly conductive medium. Lab on A Chip, 2008, 8, 1079.	6.0	102
6	Micropatterned Surfaces to Engineer Focal Adhesions for Analysis of Cell Adhesion Strengthening. Langmuir, 2002, 18, 5579-5584.	3.5	93
7	Whole-Cell Impedance Analysis for Highly and Poorly Metastatic Cancer Cells. Journal of Microelectromechanical Systems, 2009, 18, 808-817.	2.5	66
8	Ion channel characterization using single cell impedance spectroscopy. Lab on A Chip, 2006, 6, 1412.	6.0	65
9	Multi-layer plastic/glass microfluidic systems containing electrical and mechanical functionality. Lab on A Chip, 2003, 3, 150.	6.0	54
10	Lateral displacement as a function of particle size using a piecewise curved planar interdigitated electrode array. Lab on A Chip, 2009, 9, 2958.	6.0	48
11	Geometric Scaling Effects in Electrical Field Flow Fractionation. 1. Theoretical Analysis. Analytical Chemistry, 2001, 73, 2345-2352.	6.5	40
12	Six-stage cascade paramagnetic mode magnetophoretic separation system for human blood samples. Biomedical Microdevices, 2010, 12, 637-645.	2.8	40
13	A multielectrode microcompartment culture platform for studying signal transduction in the nervous system. Lab on A Chip, 2006, 6, 1530.	6.0	30
14	Hollow Metallic Micromachined Needle Arrays. Biomedical Microdevices, 2000, 2, 197-205.	2.8	29
15	An active microfluidic system packaging technology. Sensors and Actuators B: Chemical, 2007, 122, 337-346.	7.8	26
16	Piezoresistive graphite/polyimide thin films for micromachining applications. Journal of Applied Physics, 1993, 73, 4428-4433.	2.5	25
17	A compartmented neuronal culture system in microdevice format. Journal of Neuroscience Methods, 2007, 159, 78-85.	2.5	24
18	An automated micro-solid phase extraction device involving integrated high-pressure microvalves for genetic sample preparation. Biomedical Microdevices, 2009, 11, 935-942.	2.8	19

#	ARTICLE	IF	CITATIONS
19	Microscale Purification Systems for Biological Sample Preparation. Biomedical Microdevices, 2001, 3, 211-218.	2.8	11
20	The Origins and the Current Applications of Microfluidics-Based Magnetic Cell Separation Technologies. Magnetochemistry, 2022, 8, 10.	2.4	7
21	Mechanical and Piezoresistive Properties of Graphite-Filled Polyimide Thin Films. Materials Research Society Symposia Proceedings, 1992, 276, 295.	0.1	1
22	Integrated micromachined components for biological analysis systems. Journal of Micromechatronics, 2000, 1, 67-83.	1.9	1
23	High lane density slab-gel electrophoresis using micromachined instrumentation. Electrophoresis, 2001, 22, 3908-3915.	2.4	1
24	A Multi-layer Technology for Biocompatible Polymer Microsystems with Integrated Fluid and Electrical Functionality. Materials Research Society Symposia Proceedings, 2004, 820, 178.	0.1	1
25	6-Stage Cascade Mode Magnetophoretic Microseparator for Human Blood Cells. , 2007, , .		1
26	A cascade mode magnetophoretic microseparator for high efficiency blood cell separations. , 0, , .		0
27	Addressable Micromachined UV Light Sources for Active Patterning. , 2007, , .		0
28	Electrical Impedance Spectroscopy Microsystem as a Tool for Cancer Cell Analysis. , 2010, , .		0
29	A Micromachined Electrical Field-Flow Fractionation ($\hat{\mu}$ -Eiff) System with Integrated Electrical Conductivity Detection and Complimentary Resonance Light Scattering Detection Systems. , 2001, , 543-544.		0