

Ryan Fobel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3776855/publications.pdf>

Version: 2024-02-01

16
papers

1,746
citations

567281

15
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

2041
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital Microfluidics. Annual Review of Analytical Chemistry, 2012, 5, 413-440.	5.4	664
2	DropBot: An open-source digital microfluidic control system with precise control of electrostatic driving force and instantaneous drop velocity measurement. Applied Physics Letters, 2013, 102, .	3.3	173
3	Automated Digital Microfluidic Platform for Magnetic-Particle-Based Immunoassays with Optimization by Design of Experiments. Analytical Chemistry, 2013, 85, 9638-9646.	6.5	127
4	A digital microfluidic system for serological immunoassays in remote settings. Science Translational Medicine, 2018, 10, .	12.4	117
5	Dried Blood Spot Analysis by Digital Microfluidics Coupled to Nanoelectrospray Ionization Mass Spectrometry. Analytical Chemistry, 2012, 84, 3731-3738.	6.5	109
6	Paper Microfluidics Goes Digital. Advanced Materials, 2014, 26, 2838-2843.	21.0	109
7	Digital microfluidics with impedance sensing for integrated cell culture and analysis. Biosensors and Bioelectronics, 2013, 42, 314-320.	10.1	101
8	An inkjet printed, roll-coated digital microfluidic device for inexpensive, miniaturized diagnostic assays. Lab on A Chip, 2016, 16, 4560-4568.	6.0	88
9	A feedback control system for high-fidelity digital microfluidics. Lab on A Chip, 2011, 11, 535-540.	6.0	86
10	Upon the Shoulders of Giants: Open-Source Hardware and Software in Analytical Chemistry. Analytical Chemistry, 2017, 89, 4330-4338.	6.5	67
11	Cellular bias on the microscale: probing the effects of digital microfluidic actuation on mammalian cell health, fitness and phenotype. Integrative Biology (United Kingdom), 2013, 5, 1014.	1.3	29
12	Velocity Saturation in Digital Microfluidics. Langmuir, 2019, 35, 5342-5352.	3.5	25
13	Digital Microfluidics for Automated Proteomic Processing. Journal of Visualized Experiments, 2009, , .	0.3	17
14	Evaluation of multicoil breast arrays for parallel imaging. Journal of Magnetic Resonance Imaging, 2010, 31, 328-338.	3.4	17
15	Optically Controlled Pore Formation in Self-Sealing Giant Porphyrin Vesicles. Small, 2014, 10, 1184-1193.	10.0	17
16	A digital microfluidic control system with precise control of electrostatic force and impedance-based velocity measurement. , 2013, , .		0