Ryan Fobel

List of Publications by Year
in descending order

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