

David J Guckenberger

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

770
citations

11
h-index

21
g-index

21
ext. papers

902
ext. citations

6.3
avg, IF

3.83
L-index

#	Paper	IF	Citations
20	Micromilling: a method for ultra-rapid prototyping of plastic microfluidic devices. <i>Lab on A Chip</i> , 2015 , 15, 2364-78	7.2	304
19	Rapid prototyping of arrayed microfluidic systems in polystyrene for cell-based assays. <i>Analytical Chemistry</i> , 2011 , 83, 1408-17	7.8	127
18	The VerIFAST: an integrated method for cell isolation and extracellular/intracellular staining. <i>Lab on A Chip</i> , 2013 , 13, 391-6	7.2	53
17	High Specificity in Circulating Tumor Cell Identification Is Required for Accurate Evaluation of Programmed Death-Ligand 1. <i>PLoS ONE</i> , 2016 , 11, e0159397	3.7	45
16	Fundamentals of rapid injection molding for microfluidic cell-based assays. <i>Lab on A Chip</i> , 2018 , 18, 496-504		42
15	Integrated Analysis of Multiple Biomarkers from Circulating Tumor Cells Enabled by Exclusion-Based Analyte Isolation. <i>Clinical Cancer Research</i> , 2017 , 23, 746-756	12.9	39
14	High rates of chromosome missegregation suppress tumor progression but do not inhibit tumor initiation. <i>Molecular Biology of the Cell</i> , 2016 , 27, 1981-9	3.5	38
13	HIV viral RNA extraction in wax immiscible filtration assisted by surface tension (IFAST) devices. <i>Journal of Molecular Diagnostics</i> , 2014 , 16, 297-304	5.1	20
12	Kit-On-A-Lid-Assays for accessible self-contained cell assays. <i>Lab on A Chip</i> , 2013 , 13, 424-31	7.2	19
11	Efficient sample preparation from complex biological samples using a sliding lid for immobilized droplet extractions. <i>Analytical Chemistry</i> , 2014 , 86, 6355-62	7.8	17
10	Induced hydrophobic recovery of oxygen plasma-treated surfaces. <i>Lab on A Chip</i> , 2012 , 12, 2317-21	7.2	14
9	Magnetic System for Automated Manipulation of Paramagnetic Particles. <i>Analytical Chemistry</i> , 2016 , 88, 9902-9907	7.8	11
8	AirJump: Using Interfaces to Instantly Perform Simultaneous Extractions. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15040-5	9.5	10
7	Versatile exclusion-based sample preparation platform for integrated rare cell isolation and analyte extraction. <i>Lab on A Chip</i> , 2018 , 18, 3446-3458	7.2	10
6	High-density self-contained microfluidic KOALA kits for use by everyone. <i>Journal of the Association for Laboratory Automation</i> , 2015 , 20, 146-53		9
5	A Combined Fabrication and Instrumentation Platform for Sample Preparation. <i>Journal of the Association for Laboratory Automation</i> , 2014 , 19, 267-74		6
4	Fluorescence-based assessment of plasma-induced hydrophilicity in microfluidic devices via Nile Red adsorption and depletion. <i>Analytical Chemistry</i> , 2014 , 86, 7258-63	7.8	4

3	Interrogating Bronchoalveolar Lavage Samples via Exclusion-Based Analyte Extraction. <i>SLAS Technology</i> , 2017 , 22, 348-357	3	1
2	Using Exclusion-Based Sample Preparation (ESP) to Reduce Viral Load Assay Cost. <i>PLoS ONE</i> , 2015 , 10, e0143631	3-7	1
1	Induced Pluripotent Stem Cells on a Chip: A Self-Contained, Accessible, Pipette-less iPSC Culturing and Differentiation Kit. <i>SLAS Technology</i> , 2021 , 26, 80-91	3	0