David J Guckenberger

List of Publications by Year in Descending Order

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	Induced Pluripotent Stem Cells on a Chip: A Self-Contained, Accessible, Pipette-less iPSC Culturing and Differentiation Kit. *SLAS Technology*, **2021**, 26, 80-91	3	0
19	Fundamentals of rapid injection molding for microfluidic cell-based assays. *Lab on A Chip*, **2018**, 18, 496-504	7.2	42
18	Versatile exclusion-based sample preparation platform for integrated rare cell isolation and analyte extraction. *Lab on A Chip*, **2018**, 18, 3446-3458	7.2	10
17	Interrogating Bronchoalveolar Lavage Samples via Exclusion-Based Analyte Extraction. *SLAS Technology*, **2017**, 22, 348-357	3	1
16	Integrated Analysis of Multiple Biomarkers from Circulating Tumor Cells Enabled by Exclusion-Based Analyte Isolation. *Clinical Cancer Research*, **2017**, 23, 746-756	12.9	39
15	AirJump: Using Interfaces to Instantly Perform Simultaneous Extractions. *ACS Applied Materials & Interfaces*, **2016**, 8, 15040-5	9.5	10
14	High Specificity in Circulating Tumor Cell Identification Is Required for Accurate Evaluation of Programmed Death-Ligand 1. *PLoS ONE*, **2016**, 11, e0159397	3.7	45
13	High rates of chromosome missegregation suppress tumor progression but do not inhibit tumor initiation. *Molecular Biology of the Cell*, **2016**, 27, 1981-9	3.5	38
12	Magnetic System for Automated Manipulation of Paramagnetic Particles. *Analytical Chemistry*, **2016**, 88, 9902-9907	7.8	11
11	Micromilling: a method for ultra-rapid prototyping of plastic microfluidic devices. *Lab on A Chip*, **2015**, 15, 2364-78	7.2	304
10	High-density self-contained microfluidic KOALA kits for use by everyone. *Journal of the Association for Laboratory Automation*, **2015**, 20, 146-53		9
9	Using Exclusion-Based Sample Preparation (ESP) to Reduce Viral Load Assay Cost. *PLoS ONE*, **2015**, 10, e0143631	3.7	1
8	Efficient sample preparation from complex biological samples using a sliding lid for immobilized droplet extractions. *Analytical Chemistry*, **2014**, 86, 6355-62	7.8	17
7	Fluorescence-based assessment of plasma-induced hydrophilicity in microfluidic devices via Nile Red adsorption and depletion. *Analytical Chemistry*, **2014**, 86, 7258-63	7.8	4
6	A Combined Fabrication and Instrumentation Platform for Sample Preparation. *Journal of the Association for Laboratory Automation*, **2014**, 19, 267-74		6
5	HIV viral RNA extraction in wax immiscible filtration assisted by surface tension (IFAST) devices. *Journal of Molecular Diagnostics*, **2014**, 16, 297-304	5.1	20
4	Kit-On-A-Lid-Assays for accessible self-contained cell assays. *Lab on A Chip*, **2013**, 13, 424-31	7.2	19

3	The VerIFAST: an integrated method for cell isolation and extracellular/intracellular staining. *Lab on A Chip*, **2013**, 13, 391-6	7.2	53
2	Induced hydrophobic recovery of oxygen plasma-treated surfaces. *Lab on A Chip*, **2012**, 12, 2317-21	7.2	14
1	Rapid prototyping of arrayed microfluidic systems in polystyrene for cell-based assays. *Analytical Chemistry*, **2011**, 83, 1408-17	7.8	127