David J Guckenberger

List of Publications by Year
in descending order

20 papers	999 citations	687363 13 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	1715 citing authors

#	Article	IF	Citations
1	Micromilling: a method for ultra-rapid prototyping of plastic microfluidic devices. Lab on A Chip, 2015, 15, 2364-2378.	6.0	394
2	Rapid Prototyping of Arrayed Microfluidic Systems in Polystyrene for Cell-Based Assays. Analytical Chemistry, 2011, 83, 1408-1417.	6.5	148
3	Fundamentals of rapid injection molding for microfluidic cell-based assays. Lab on A Chip, 2018, 18, 496-504.	6.0	70
4	The VerIFAST: an integrated method for cell isolation and extracellular/intracellular staining. Lab on A Chip, 2013, 13, 391-396.	6.0	60
5	High Specificity in Circulating Tumor Cell Identification Is Required for Accurate Evaluation of Programmed Death-Ligand 1. PLoS ONE, 2016, 11, e0159397.	2.5	54
6	Integrated Analysis of Multiple Biomarkers from Circulating Tumor Cells Enabled by Exclusion-Based Analyte Isolation. Clinical Cancer Research, 2017, 23, 746-756.	7.0	52
7	High rates of chromosome missegregation suppress tumor progression but do not inhibit tumor initiation. Molecular Biology of the Cell, 2016, 27, 1981-1989.	2.1	50
8	HIV Viral RNA Extraction in Wax Immiscible Filtration Assisted by Surface Tension (IFAST) Devices. Journal of Molecular Diagnostics, 2014, 16, 297-304.	2.8	24
9	Kit-On-A-Lid-Assays for accessible self-contained cell assays. Lab on A Chip, 2013, 13, 424-431.	6.0	23
10	Efficient Sample Preparation from Complex Biological Samples Using a Sliding Lid for Immobilized Droplet Extractions. Analytical Chemistry, 2014, 86, 6355-6362.	6.5	23
11	Induced hydrophobic recovery of oxygen plasma-treated surfaces. Lab on A Chip, 2012, 12, 2317.	6.0	20
12	AirJump: Using Interfaces to Instantly Perform Simultaneous Extractions. ACS Applied Materials & Interfaces, 2016, 8, 15040-15045.	8.0	16
13	Versatile exclusion-based sample preparation platform for integrated rare cell isolation and analyte extraction. Lab on A Chip, 2018, 18, 3446-3458.	6.0	16
14	Magnetic System for Automated Manipulation of Paramagnetic Particles. Analytical Chemistry, 2016, 88, 9902-9907.	6.5	14
15	High-Density Self-Contained Microfluidic KOALA Kits for Use by Everyone. Journal of the Association for Laboratory Automation, 2015, 20, 146-153.	2.8	11
16	Using Exclusion-Based Sample Preparation (ESP) to Reduce Viral Load Assay Cost. PLoS ONE, 2015, 10, e0143631.	2.5	8
17	A Combined Fabrication and Instrumentation Platform for Sample Preparation. Journal of the Association for Laboratory Automation, 2014, 19, 267-274.	2.8	7
18	Fluorescence-Based Assessment of Plasma-Induced Hydrophilicity in Microfluidic Devices via Nile Red Adsorption and Depletion. Analytical Chemistry, 2014, 86, 7258-7263.	6.5	6

#	Article	IF	Citations
19	Interrogating Bronchoalveolar Lavage Samples via Exclusion-Based Analyte Extraction. SLAS Technology, 2017, 22, 348-357.	1.9	2
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.	1.9	1