

# Joshua Buser

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8883126/publications.pdf>

Version: 2024-02-01

12  
papers

667  
citations

840776

11  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable-Delay Shunts for Paper Microfluidic Devices. <i>Analytical Chemistry</i> , 2013, 85, 11545-11552.	6.5	143
2	A rapid, instrument-free, sample-to-result nucleic acid amplification test. <i>Lab on A Chip</i> , 2016, 16, 3777-3787.	6.0	141
3	A versatile valving toolkit for automating fluidic operations in paper microfluidic devices. <i>Lab on A Chip</i> , 2015, 15, 1432-1444.	6.0	128
4	One-step purification and concentration of DNA in porous membranes for point-of-care applications. <i>Lab on A Chip</i> , 2015, 15, 2647-2659.	6.0	75
5	Swab Sample Transfer for Point-Of-Care Diagnostics: Characterization of Swab Types and Manual Agitation Methods. <i>PLoS ONE</i> , 2014, 9, e105786.	2.5	38
6	A disposable chemical heater and dry enzyme preparation for lysis and extraction of DNA and RNA from microorganisms. <i>Analytical Methods</i> , 2016, 8, 2880-2886.	2.7	31
7	Comparison of point-of-care-compatible lysis methods for bacteria and viruses. <i>Journal of Microbiological Methods</i> , 2016, 128, 80-87.	1.6	27
8	Precision chemical heating for diagnostic devices. <i>Lab on A Chip</i> , 2015, 15, 4423-4432.	6.0	26
9	Electromechanical cell lysis using a portable audio device: enabling challenging sample preparation at the point-of-care. <i>Lab on A Chip</i> , 2015, 15, 1994-1997.	6.0	19
10	An integrated device for the rapid and sensitive detection of the influenza hemagglutinin. <i>Lab on A Chip</i> , 2019, 19, 885-896.	6.0	14
11	Design of a New Type of Compact Chemical Heater for Isothermal Nucleic Acid Amplification. <i>PLoS ONE</i> , 2015, 10, e0139449.	2.5	13
12	Understanding partial saturation in paper microfluidics enables alternative device architectures. <i>Analytical Methods</i> , 2019, 11, 336-345.	2.7	12