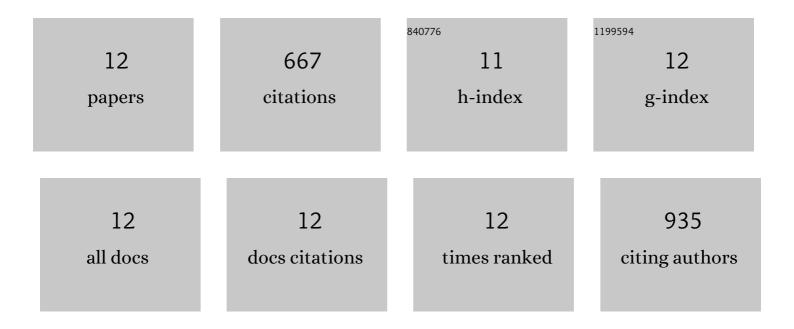
## Joshua Buser

List of Publications by Year in descending order

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