

# Kevin Louterback

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4320721/publications.pdf>

Version: 2024-02-01

13  
papers

839  
citations

840776

11  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1590  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Capture and reagent exchange (CARE) wells for cell isolation, labeling, and characterization. <i>Microfluidics and Nanofluidics</i> , 2022, 26, .   | 2.2 | 0         |
| 2  | Microfluidic confinement enhances phenotype and function of hepatocyte spheroids. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C552-C560.   | 4.6 | 14        |
| 3  | Anisotropic permeability in deterministic lateral displacement arrays. <i>Lab on A Chip</i> , 2017, 17, 3318-3330.  | 6.0 | 37        |
| 4  | Microfluidic approaches to synchrotron radiation-based Fourier transform infrared (SR-FTIR) spectral microscopy of living biosystems. <i>Protein and Peptide Letters</i> , 2016, 23, 273-282.                           | 0.9 | 35        |
| 5  | Open-Channel Microfluidic Membrane Device for Long-Term FT-IR Spectromicroscopy of Live Adherent Cells. <i>Analytical Chemistry</i> , 2015, 87, 4601-4606.  | 6.5 | 26        |
| 6  | Cell motility and drug gradients in the emergence of resistance to chemotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16103-16108.                       | 7.1 | 80        |
| 7  | Deterministic separation of cancer cells from blood at 10 mL/min. <i>AIP Advances</i> , 2012, 2, 42107.   | 1.3 | 204       |
| 8  | Improved performance of deterministic lateral displacement arrays with triangular posts. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 1143-1149.  | 2.2 | 128       |
| 9  | A microfluidic device for continuous cancer cell culture and passage with hydrodynamic forces. <i>Lab on A Chip</i> , 2010, 10, 1807.   | 6.0 | 28        |
| 10 | Deterministic Microfluidic Ratchet. <i>Physical Review Letters</i> , 2009, 102, 045301.   | 7.8 | 91        |
| 11 | Crossing microfluidic streamlines to lyse, label and wash cells. <i>Lab on A Chip</i> , 2008, 8, 1448.  | 6.0 | 101       |
| 12 | High temperature resistance of small diameter, metallic single-walled carbon nanotube devices. <i>Applied Physics Letters</i> , 2008, 92, 083506.   | 3.3 | 9         |
| 13 | Hydrodynamic metamaterials: Microfabricated arrays to steer, refract, and focus streams of biomaterials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7434-7438. | 7.1 | 86        |