

# Kevin Loutherbak

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