

Johan Nilsson

List of Publications by Year in descending order

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16
papers

1,027
citations

759233

12
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

1214
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive Acoustic Cell Trapping in a Microfluidic Perfusion System for Online Bioassays. Analytical Chemistry, 2007, 79, 2984-2991.	6.5	251
2	Seed particle-enabled acoustic trapping of bacteria and nanoparticles in continuous flow systems. Lab on A Chip, 2012, 12, 4296.	6.0	167
3	Acoustofluidics 20: Applications in acoustic trapping. Lab on A Chip, 2012, 12, 4667.	6.0	165
4	Non-contact acoustic cell trapping in disposable glass capillaries. Lab on A Chip, 2010, 10, 2251.	6.0	137
5	Acoustic Differential Extraction for Forensic Analysis of Sexual Assault Evidence. Analytical Chemistry, 2009, 81, 6089-6095.	6.5	78
6	Particle Manipulation Methods in Droplet Microfluidics. Analytical Chemistry, 2018, 90, 1434-1443.	6.5	39
7	Frequency tracking in acoustic trapping for improved performance stability and system surveillance. Lab on A Chip, 2014, 14, 1005-1013.	6.0	34
8	Controlled Lateral Positioning of Microparticles Inside Droplets Using Acoustophoresis. Analytical Chemistry, 2015, 87, 10521-10526.	6.5	34
9	Binary particle separation in droplet microfluidics using acoustophoresis. Applied Physics Letters, 2018, 112, .	3.3	32
10	Isolation of a Low Number of Sperm Cells from Female DNA in a Glass/PDMS/Glass Microchip via Bead-Assisted Acoustic Differential Extraction. Analytical Chemistry, 2019, 91, 2186-2191.	6.5	24
11	An intra-droplet particle switch for droplet microfluidics using bulk acoustic waves. Biomicrofluidics, 2017, 11, 031101.	2.4	21
12	Intra-droplet acoustic particle focusing: simulations and experimental observations. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	17
13	An acoustofluidic platform for non-contact trapping of cell-laden hydrogel droplets compatible with optical microscopy. Biomicrofluidics, 2019, 13, 044101.	2.4	13
14	Binary acoustic trapping in a glass capillary. Journal Physics D: Applied Physics, 2021, 54, 355401.	2.8	8
15	Audomni: Super-Scale Sensory Supplementation to Increase the Mobility of Blind and Low-Vision Individuals—A Pilot Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1187-1197.	4.9	7
16	Trapping of Cell-Laden Hyaluronic Acid-Acrylamide Hydrogel Droplets using Bulk Acoustic Waves. , 2019, , .		0