

Melikhan Tanyeri

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

786
citations

687220

13
h-index

752573

20
g-index

31
all docs

31
docs citations

31
times ranked

1047
citing authors

#	ARTICLE	IF	CITATIONS
1	A micropillar-based microfluidic viscometer for Newtonian and non-Newtonian fluids. <i>Analytica Chimica Acta</i> , 2020, 1135, 107-115.	2.6	24
2	Droplet-based high-throughput cultivation for accurate screening of antibiotic resistant gut microbes. <i>ELife</i> , 2020, 9, .	2.8	73
3	Viable cell culture in PDMS-based microfluidic devices. <i>Methods in Cell Biology</i> , 2018, 148, 3-33.	0.5	29
4	Enhanced Dissolution of Liquid Microdroplets in the Extensional Creeping Flow of a Hydrodynamic Trap. <i>Langmuir</i> , 2016, 32, 9460-9467.	1.6	11
5	Characterizing the performance of the hydrodynamic trap using a control-based approach. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 1055-1066.	1.0	27
6	Hydrodynamic trapping of oil microdroplets in glycerol-water solution. , 2014, , .		0
7	Confinement of single macromolecules in free solution using a hydrodynamic trap. , 2014, , .		0
8	Automated single cell microbioreactor for monitoring intracellular dynamics and cell growth in free solution. <i>Lab on A Chip</i> , 2014, 14, 2688-2697.	3.1	33
9	Single Cell Response to Periodic Environmental Stimuli using a Microfluidic Bioreactor. <i>Biophysical Journal</i> , 2014, 106, 225a.	0.2	0
10	Flow-Based Particle Trapping and Manipulation. , 2014, , 1-9.		2
11	Dendrimer Probes for Enhanced Photostability and Localization in Fluorescence Imaging. <i>Biophysical Journal</i> , 2013, 104, 1566-1575.	0.2	34
12	Manipulation and Confinement of Single Particles Using Fluid Flow. <i>Nano Letters</i> , 2013, 13, 2357-2364.	4.5	111
13	Fluidicâ€Directed Assembly of Aligned Oligopeptides with Î€Conjugated Cores. <i>Advanced Materials</i> , 2013, 25, 6398-6404.	11.1	31
14	Photoswitchable Dendrimer Nanoconjugates as Fluorescent Probes for Super-Resolution Microscopy. <i>Biophysical Journal</i> , 2012, 102, 182a-183a.	0.2	1
15	Investigating the Effects of Dynamic External Stimuli on Single Cell Fitness and Gene Expression in <i>Escherichia Coli</i> . <i>Biophysical Journal</i> , 2012, 102, 719a.	0.2	0
16	Microfluidic-Based Trap for Single Cell Micromanipulation and Analysis. <i>Biophysical Journal</i> , 2011, 100, 623a.	0.2	2
17	Dye-Conjugated Dendrimers as Bright and Photostable Fluorescent Labels for Single Molecule Microscopy. <i>Biophysical Journal</i> , 2011, 100, 477a.	0.2	0
18	Microfluidic Wheatstone bridge for rapid sample analysis. <i>Lab on A Chip</i> , 2011, 11, 4181.	3.1	18

#	ARTICLE	IF	CITATIONS
19	A microfluidic-based hydrodynamic trap: design and implementation. Lab on A Chip, 2011, 11, 1786.	3.1	153
20	Multiplexed detection of nucleic acids in a combinatorial screening chip. Lab on A Chip, 2011, 11, 1916.	3.1	27
21	Hydrodynamic Trap for Single Cells and Micro- and Nanoparticles. Biophysical Journal, 2011, 100, 623a.	0.2	1
22	A Microfluidic-based Hydrodynamic Trap for Single Particles. Journal of Visualized Experiments, 2011, , .	0.2	8
23	Hydrodynamic trap for single particles and cells. Applied Physics Letters, 2010, 96, 224101.	1.5	120
24	Detecting Single Bacterial Cells Through Optical Resonances in Microdroplets. Sensor Letters, 2008, 6, 326-329.	0.4	10
25	Lasing droplets in a microfabricated channel. Optics Letters, 2007, 32, 2529.	1.7	61
26	Lasing droplets in a microfluidic T-junction device with integrated optics. , 2007, , .		0
27	Chemical and biological sensing through optical resonances in pendant droplets. , 2005, , .		2
28	Chemical and biological sensing through optical resonances in microcavities. , 2005, , .		2
29	Microdroplets for integrated high-sensitivity biosensors. , 2004, 5275, 133.		4