

Liviu Clime

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

752
citations

623574

14
h-index

677027

22
g-index

22
all docs

22
docs citations

22
times ranked

684
citing authors

#	ARTICLE	IF	CITATIONS
1	Serial siphon valving for centrifugal microfluidic platforms. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 55-63.	1.0	123
2	Active pneumatic control of centrifugal microfluidic flows for lab-on-a-chip applications. <i>Lab on A Chip</i> , 2015, 15, 2400-2411.	3.1	83
3	Pneumatic pumping in centrifugal microfluidic platforms. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 541-549.	1.0	81
4	Thermo-pneumatic pumping in centrifugal microfluidic platforms. <i>Microfluidics and Nanofluidics</i> , 2011, 11, 643-652.	1.0	77
5	From cellular lysis to microarray detection, an integrated thermoplastic elastomer (TPE) point of care Lab on a Disc. <i>Lab on A Chip</i> , 2015, 15, 406-416.	3.1	69
6	Active pumping and control of flows in centrifugal microfluidics. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	1.0	48
7	Extraction of nucleic acids from blood: unveiling the potential of active pneumatic pumping in centrifugal microfluidics for integration and automation of sample preparation processes. <i>Lab on A Chip</i> , 2019, 19, 1941-1952.	3.1	48
8	3D thermoplastic elastomer microfluidic devices for biological probe immobilization. <i>Lab on A Chip</i> , 2011, 11, 4099.	3.1	37
9	Microfluidic filtration and extraction of pathogens from food samples by hydrodynamic focusing and inertial lateral migration. <i>Biomedical Microdevices</i> , 2015, 17, 17.	1.4	29
10	Suction-enhanced siphon valves for centrifugal microfluidic platforms. <i>Microfluidics and Nanofluidics</i> , 2012, 12, 345-354.	1.0	27
11	Microfluidic Integration of a Cloth-Based Hybridization Array System (CHAS) for Rapid, Colorimetric Detection of Enterohemorrhagic <i>Escherichia coli</i> (EHEC) Using an Articulated, Centrifugal Platform. <i>Analytical Chemistry</i> , 2015, 87, 10565-10572.	3.2	23
12	Centrifugal microfluidic lab-on-a-chip system with automated sample lysis, DNA amplification and microarray hybridization for identification of enterohemorrhagic <i>Escherichia coli</i> culture isolates. <i>Analyst</i> , The, 2020, 145, 6831-6845.	1.7	23
13	Integrated air stream micromixer for performing bioanalytical assays on a plastic chip. <i>Lab on A Chip</i> , 2014, 14, 3750.	3.1	16
14	Enhancing the Detection of <i>Giardia duodenalis</i> Cysts in Foods by Inertial Microfluidic Separation. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3925-3933.	1.4	15
15	Separation and concentration of <i>Phytophthora ramorum</i> sporangia by inertial focusing in curving microfluidic flows. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	1.0	15
16	Buoyancy-driven step emulsification on pneumatic centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2020, 20, 3091-3095.	3.1	11
17	Polymer Micropillar Arrays for Colorimetric DNA Detection. <i>Analytical Chemistry</i> , 2020, 92, 7738-7745.	3.2	9
18	Twin tubular pinch effect in curving confined flows. <i>Scientific Reports</i> , 2015, 5, 9765.	1.6	5

#	ARTICLE	IF	CITATIONS
19	An automated centrifugal microfluidic assay for whole blood fractionation and isolation of multiple cell populations using an aqueous two-phase system. <i>Lab on A Chip</i> , 2021, 21, 4060-4070.	3.1	5
20	Multifunctional magnetic nanoparticle cloud assemblies for <i>in situ</i> capture of bacteria and isolation of microbial DNA. <i>Analyst</i> , 2021, 146, 7491-7502.	1.7	5
21	On-the-Fly Phase Transition and Density Changes of Aqueous Two-Phase Systems on a Centrifugal Microfluidic Platform. <i>Langmuir</i> , 2022, 38, 79-85.	1.6	2
22	Dimensionality effects on the magnetisation processes in arrays of superparamagnetic nanoparticles. <i>International Journal of Nanotechnology</i> , 2010, 7, 58.	0.1	1