Liviu Clime

List of Publications by Year
in descending order

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	On-the-Fly Phase Transition and Density Changes of Aqueous Two-Phase Systems on a Centrifugal Microfluidic Platform. Langmuir, 2022, 38, 79-85.	1.6	2
2	An automated centrifugal microfluidic assay for whole blood fractionation and isolation of multiple cell populations using an aqueous two-phase system. Lab on A Chip, 2021, 21, 4060-4070.	3.1	5
3	Multifunctional magnetic nanoparticle cloud assemblies for in situ capture of bacteria and isolation of microbial DNA. Analyst, The, 2021, 146, 7491-7502.	1.7	5
4	Centrifugal microfluidic lab-on-a-chip system with automated sample lysis, DNA amplification and microarray hybridization for identification of enterohemorrhagic Escherichia coli culture isolates. Analyst, The, 2020, 145, 6831-6845.	1.7	23
5	Buoyancy-driven step emulsification on pneumatic centrifugal microfluidic platforms. Lab on A Chip, 2020, 20, 3091-3095.	3.1	11
6	Polymer Micropillar Arrays for Colorimetric DNA Detection. Analytical Chemistry, 2020, 92, 7738-7745.	3.2	9
7	Active pumping and control of flows in centrifugal microfluidics. Microfluidics and Nanofluidics, 2019, 23, 1.	1.0	48
8	Extraction of nucleic acids from blood: unveiling the potential of active pneumatic pumping in centrifugal microfluidics for integration and automation of sample preparation processes. Lab on A Chip, 2019, 19, 1941-1952.	3.1	48
9	Separation and concentration of Phytophthora ramorum sporangia by inertial focusing in curving microfluidic flows. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	15
10	Twin tubular pinch effect in curving confined flows. Scientific Reports, 2015, 5, 9765.	1.6	5
11	Microfluidic filtration and extraction of pathogens from food samples by hydrodynamic focusing and inertial lateral migration. Biomedical Microdevices, 2015, 17, 17.	1.4	29
12	From cellular lysis to microarray detection, an integrated thermoplastic elastomer (TPE) point of care Lab on a Disc. Lab on A Chip, 2015, 15, 406-416.	3.1	69
13	Active pneumatic control of centrifugal microfluidic flows for lab-on-a-chip applications. Lab on A Chip, 2015, 15, 2400-2411.	3.1	83
14	Enhancing the Detection of Giardia duodenalis Cysts in Foods by Inertial Microfluidic Separation. Applied and Environmental Microbiology, 2015, 81, 3925-3933.	1.4	15
15	Microfluidic Integration of a Cloth-Based Hybridization Array System (CHAS) for Rapid, Colorimetric Detection of Enterohemorrhagic Escherichia coli (EHEC) Using an Articulated, Centrifugal Platform. Analytical Chemistry, 2015, 87, 10565-10572.	3.2	23
16	Integrated air stream micromixer for performing bioanalytical assays on a plastic chip. Lab on A Chip, 2014, 14, 3750.	3.1	16
17	Suction-enhanced siphon valves for centrifugal microfluidic platforms. Microfluidics and Nanofluidics, 2012, 12, 345-354.	1.0	27
18	3D thermoplastic elastomer microfluidic devices for biological probe immobilization. Lab on A Chip, 2011, 11, 4099.	3.1	37

#	Article	IF	Citations
19	Thermo-pneumatic pumping in centrifugal microfluidic platforms. Microfluidics and Nanofluidics, 2011, 11, 643-652.	1.0	77
20	Dimensionality effects on the magnetisation processes in arrays of superparamagnetic nanoparticles. International Journal of Nanotechnology, 2010, 7, 58.	0.1	1
21	Serial siphon valving for centrifugal microfluidic platforms. Microfluidics and Nanofluidics, 2010, 9, 55-63.	1.0	123
22	Pneumatic pumping in centrifugal microfluidic platforms. Microfluidics and Nanofluidics, 2010, 9, 541-549.	1.0	81