Ladislav Derzsi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4101177/publications.pdf

Version: 2024-02-01

21	435	687363 13	794594 19
papers	citations	h-index	g-index

22	22	22	686
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flow focusing with viscoelastic liquids. Physics of Fluids, 2013, 25, .	4.0	55
2	Microfluidic traps for hard-wired operations on droplets. Lab on A Chip, 2013, 13, 4096.	6.0	54
3	Block-and-break generation of microdroplets with fixed volume. Biomicrofluidics, 2013, 7, 024108.	2.4	38
4	Antibiograms in five pipetting steps: precise dilution assays in sub-microliter volumes with a conventional pipette. Lab on A Chip, 2016, 16, 893-901.	6.0	38
5	Generation of Oil Droplets in a Non-Newtonian Liquid Using a Microfluidic T-Junction. Micromachines, 2015, 6, 1825-1835.	2.9	34
6	TMAO, a seafood-derived molecule, produces diuresis and reduces mortality in heart failure rats. ELife, 2020, 9, .	6.0	32
7	Assessment of the flow velocity of blood cells in a microfluidic device using joint spectral and time domain optical coherence tomography. Optics Express, 2013, 21, 24025.	3.4	28
8	Hydrophilic polycarbonate for generation of oil in water emulsions in microfluidic devices. Lab on A Chip, 2011, 11, 1151.	6.0	26
9	Fluidization and wall slip of soft glassy materials by controlled surface roughness. Physical Review E, 2017, 95, 052602.	2.1	21
10	Hydrophilic polycarbonate chips for generation of oil-in-water (O/W) and water-in-oil-in-water (W/O/W) emulsions. Microfluidics and Nanofluidics, 2013, 14, 767-774.	2.2	17
11	Grooved step emulsification systems optimize the throughput of passive generation of monodisperse emulsions. Lab on A Chip, 2019, 19, 1183-1192.	6.0	17
12	Direct droplet digital PCR (dddPCR) for species specific, accurate and precise quantification of bacteria in mixed samples. Analytical Methods, 2019, 11, 5730-5735.	2.7	14
13	Emulsification with rectangular tubes. Physical Review Fluids, 2019, 4, .	2.5	14
14	Hydrophilic polycarbonate chips for generation of oil-in-water (O/W) and water-in-oil-in-water (W/O/W) emulsions. Microfluidics and Nanofluidics, 2013, 14, 597-604.	2.2	12
15	Differentiation of morphotic elements in human blood using optical coherence tomography and a microfluidic setup. Optics Express, 2015, 23, 27724.	3.4	11
16	Split or slip â€“ passive generation of monodisperse double emulsions with cores of varying viscosity in microfluidic tandem step emulsification system. RSC Advances, 2020, 10, 23058-23065.	3.6	9
17	Wall fluidization in two acts: from stiff to soft roughness. Soft Matter, 2018, 14, 1088-1093.	2.7	7
18	Combinatorial Antimicrobial Susceptibility Testing Enabled by Non-Contact Printing. Micromachines, 2020, 11, 142.	2.9	7

#	Article	IF	Citations
19	A double-step emulsification device for direct generation of double emulsions. Soft Matter, 2022, 18, 6157-6166.	2.7	1
20	Abstract P3021: Trimethylamine but Not Trimethylamine N-Oxide Increases Blood Pressure in Rats, Affects Viability of Vascular Smooth Muscle Cells and Degrades Protein Structure. Hypertension, 2019, 74, .	2.7	0
21	Beneficial Effect of TMAO in Spontaneously Hypertensive Heart Failure Rats is Associated with Diuretic and Hypotensive Actions.. FASEB Journal, 2020, 34, 1-1.	0.5	0