

Ott Scheler

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

937
citations

687363

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all docs

32
docs citations

32
times ranked

1323
citing authors

#	ARTICLE	IF	CITATIONS
1	Reusability of RuO ₂ -Nafion electrodes, suitable for potentiometric pH measurement. , 2022, , .		1
2	Droplet-based methods for tackling antimicrobial resistance. Current Opinion in Biotechnology, 2022, 76, 102755.	6.6	4
3	Optical Detection Methods for High-Throughput Fluorescent Droplet Microflow Cytometry. Micromachines, 2021, 12, 345.	2.9	6
4	Front-Face Fluorimeter for the Determination of Cutting Time of Cheese Curd. Foods, 2021, 10, 576.	4.3	3
5	Can 3D Printing Bring Droplet Microfluidics to Every Lab?â€”A Systematic Review. Micromachines, 2021, 12, 339.	2.9	17
6	Techniques Used for Analyzing Microplastics, Antimicrobial Resistance and Microbial Community Composition: A Mini-Review. Frontiers in Microbiology, 2021, 12, 603967.	3.5	20
7	Investigation of Different Free Image Analysis Software for High-Throughput Droplet Detection. ACS Omega, 2021, 6, 22625-22634.	3.5	10
8	Nafion Protective Membrane Enables Using Ruthenium Oxide Electrodes for pH Measurement in Milk. Journal of the Electrochemical Society, 2021, 168, 107511.	2.9	10
9	Understanding How Microorganisms Respond to Acid pH Is Central to Their Control and Successful Exploitation. Frontiers in Microbiology, 2020, 11, 556140.	3.5	90
10	Nafion as a protective membrane for screen-printed pH-sensitive ruthenium oxide electrodes. , 2020, , .		5
11	Droplet image analysis with user-friendly freeware CellProfiler. Analytical Methods, 2020, 12, 2287-2294.	2.7	11
12	Droplet-based digital antibiotic susceptibility screen reveals single-cell clonal heteroresistance in an isogenic bacterial population. Scientific Reports, 2020, 10, 3282.	3.3	54
13	A dual colour FISH method for routine validation of sexed Bos taurus semen. BMC Veterinary Research, 2019, 15, 104.	1.9	3
14	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
15	Recent developments of microfluidics as a tool for biotechnology and microbiology. Current Opinion in Biotechnology, 2019, 55, 60-67.	6.6	63
16	Microfluidic screening of antibiotic susceptibility at a single-cell level shows the inoculum effect of cefotaxime on <i>E. coli</i> . Lab on A Chip, 2018, 18, 3668-3677.	6.0	37
17	Optimized droplet digital CFU assay (ddCFU) provides precise quantification of bacteria over a dynamic range of 6â€”logs and beyond. Lab on A Chip, 2017, 17, 1980-1987.	6.0	40
18	Dodecylresorufin (C12R) Outperforms Resorufin in Microdroplet Bacterial Assays. ACS Applied Materials & Interfaces, 2016, 8, 11318-11325.	8.0	40

#	ARTICLE	IF	CITATIONS
19	Droplet microfluidics for microbiology: techniques, applications and challenges. Lab on A Chip, 2016, 16, 2168-2187.	6.0	326
20	Nucleic acid detection technologies and marker molecules in bacterial diagnostics. Expert Review of Molecular Diagnostics, 2014, 14, 489-500.	3.1	44
21	ESTCube-1 nanosatellite for electric solar wind sail in-orbit technology demonstration. Proceedings of the Estonian Academy of Sciences, 2014, 63, 2000.	1.5	34
22	Integrated carbon nanotube fibre quartz tuning fork biosensor. Proceedings of the Estonian Academy of Sciences, 2012, 61, 48.	1.5	4
23	Label-free, multiplexed detection of bacterial tmRNA using silicon photonic microring resonators. Biosensors and Bioelectronics, 2012, 36, 56-61.	10.1	68
24	Naturally Amplified Player for Biosensing: tmRNA to the Rescue. Procedia Engineering, 2011, 25, 1549-1552.	1.2	0
25	Detection of NASBA amplified bacterial tmRNA molecules on SLICSel designed microarray probes. BMC Biotechnology, 2011, 11, 17.	3.3	12
26	Detection of tmRNA molecules on microarrays at low temperatures using helper oligonucleotides. BMC Biotechnology, 2010, 10, 34.	3.3	7
27	Fluorescent labeling of NASBA amplified tmRNA molecules for microarray applications. BMC Biotechnology, 2009, 9, 45.	3.3	10
28	Microarray detection of labeled NASBA products for the specific identification of pathogenic bacteria using tmRNA as a target. , 2008, , .		0