

Christian D Ahrberg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11686429/publications.pdf>

Version: 2024-02-01

24
papers

837
citations

623734

14
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1477
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymerase chain reaction in microfluidic devices. <i>Lab on A Chip</i> , 2016, 16, 3866-3884.	6.0	210
2	Handheld real-time PCR device. <i>Lab on A Chip</i> , 2016, 16, 586-592.	6.0	96
3	Generation of uniform-sized multicellular tumor spheroids using hydrogel microwells for advanced drug screening. <i>Scientific Reports</i> , 2018, 8, 17145.	3.3	89
4	Palm-Sized Device for Point-of-Care Ebola Detection. <i>Analytical Chemistry</i> , 2016, 88, 4803-4807.	6.5	57
5	Functional Graphene Oxide-Based Nanosheets for Photothermal Therapy. <i>Macromolecular Research</i> , 2018, 26, 557-565.	2.4	53
6	Generation of tumor spheroids using a droplet-based microfluidic device for photothermal therapy. <i>Microsystems and Nanoengineering</i> , 2020, 6, 52.	7.0	43
7	Conductive hydrogel/nanowire micropattern-based sensor for neural stem cell differentiation. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1042-1050.	7.8	38
8	Electro-responsive hydrogel-based microfluidic actuator platform for photothermal therapy. <i>Lab on A Chip</i> , 2020, 20, 3354-3364.	6.0	38
9	Dual-neodymium magnet-based microfluidic separation device. <i>Scientific Reports</i> , 2019, 9, 9502.	3.3	27
10	Automated droplet reactor for the synthesis of iron oxide/gold core-shell nanoparticles. <i>Scientific Reports</i> , 2020, 10, 1737.	3.3	27
11	Single Fluorescence Channel-based Multiplex Detection of Avian Influenza Virus by Quantitative PCR with Intercalating Dye. <i>Scientific Reports</i> , 2015, 5, 11479.	3.3	24
12	Plasmonic heating-based portable digital PCR system. <i>Lab on A Chip</i> , 2020, 20, 3560-3568.	6.0	22
13	Droplet-based synthesis of homogeneous magnetic iron oxide nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2413-2420.	2.8	20
14	Microwell Array-based Digital PCR for Influenza Virus Detection. <i>Biochip Journal</i> , 2019, 13, 269-276.	4.9	17
15	Doubling Throughput of a Real-Time PCR. <i>Scientific Reports</i> , 2015, 5, 12595.	3.3	14
16	Development of the Microfluidic Device to Regulate Shear Stress Gradients. <i>Biochip Journal</i> , 2018, 12, 294-303.	4.9	13
17	Poisson statistics-mediated particle/cell counting in microwell arrays. <i>Scientific Reports</i> , 2018, 8, 2438.	3.3	12
18	Separation, Purification, and Detection of cfDNA in a Microfluidic Device. <i>Biochip Journal</i> , 2020, 14, 195-203.	4.9	12

#	ARTICLE	IF	CITATIONS
19	Analysis of 3D multi-layer microfluidic gradient generator. <i>Electrophoresis</i> , 2017, 38, 270-277.	2.4	11
20	Dual-nozzle microfluidic droplet generator. <i>Nano Convergence</i> , 2018, 5, 12.	12.1	10
21	Superheated droplets for protein thermal stability analyses of GFP, BSA and Taq-polymerase. <i>RSC Advances</i> , 2016, 6, 42076-42080.	3.6	2
22	Prediction analysis and quality assessment of microwell array images. <i>Electrophoresis</i> , 2018, 39, 948-956.	2.4	1
23	Micropillar-based microfluidic device to regulate neurite networks of uniform-sized neurospheres. <i>Electrophoresis</i> , 2019, 40, 419-424.	2.4	1
24	Modeling of PCR: Kinetic Explanation for Short-Chain Side Products. <i>Chemie-Ingenieur-Technik</i> , 2018, 90, 1047-1055.	0.8	0