

Christian D Ahrberg

List of Publications by Year in descending order

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docs citations

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times ranked

1477
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-responsive hydrogel-based microfluidic actuator platform for photothermal therapy. Lab on A Chip, 2020, 20, 3354-3364.	6.0	38
2	Plasmonic heating-based portable digital PCR system. Lab on A Chip, 2020, 20, 3560-3568.	6.0	22
3	Separation, Purification, and Detection of cfDNA in a Microfluidic Device. Biochip Journal, 2020, 14, 195-203.	4.9	12
4	Generation of tumor spheroids using a droplet-based microfluidic device for photothermal therapy. Microsystems and Nanoengineering, 2020, 6, 52.	7.0	43
5	Automated droplet reactor for the synthesis of iron oxide/gold core-shell nanoparticles. Scientific Reports, 2020, 10, 1737.	3.3	27
6	Micropillar-based microfluidic device to regulate neurite networks of uniform-sized neurospheres. Electrophoresis, 2019, 40, 419-424.	2.4	1
7	Dual-neodymium magnet-based microfluidic separation device. Scientific Reports, 2019, 9, 9502.	3.3	27
8	Microwell Array-based Digital PCR for Influenza Virus Detection. Biochip Journal, 2019, 13, 269-276.	4.9	17
9	Functional Graphene Oxide-Based Nanosheets for Photothermal Therapy. Macromolecular Research, 2018, 26, 557-565.	2.4	53
10	Poisson statistics-mediated particle/cell counting in microwell arrays. Scientific Reports, 2018, 8, 2438.	3.3	12
11	Prediction analysis and quality assessment of microwell array images. Electrophoresis, 2018, 39, 948-956.	2.4	1
12	Conductive hydrogel/nanowire micropattern-based sensor for neural stem cell differentiation. Sensors and Actuators B: Chemical, 2018, 258, 1042-1050.	7.8	38
13	Generation of uniform-sized multicellular tumor spheroids using hydrogel microwells for advanced drug screening. Scientific Reports, 2018, 8, 17145.	3.3	89
14	Development of the Microfluidic Device to Regulate Shear Stress Gradients. Biochip Journal, 2018, 12, 294-303.	4.9	13
15	Droplet-based synthesis of homogeneous magnetic iron oxide nanoparticles. Beilstein Journal of Nanotechnology, 2018, 9, 2413-2420.	2.8	20
16	Modeling of PCR: Kinetic Explanation for Short-chained Side Products. Chemie-Ingenieur-Technik, 2018, 90, 1047-1055.	0.8	0
17	Dual-nozzle microfluidic droplet generator. Nano Convergence, 2018, 5, 12.	12.1	10
18	Analysis of 3D multi-layer microfluidic gradient generator. Electrophoresis, 2017, 38, 270-277.	2.4	11

#	ARTICLE	IF	CITATIONS
19	Palm-Sized Device for Point-of-Care Ebola Detection. <i>Analytical Chemistry</i> , 2016, 88, 4803-4807.	6.5	57
20	Superheated droplets for protein thermal stability analyses of GFP, BSA and Taq-polymerase. <i>RSC Advances</i> , 2016, 6, 42076-42080.	3.6	2
21	Polymerase chain reaction in microfluidic devices. <i>Lab on A Chip</i> , 2016, 16, 3866-3884.	6.0	210
22	Handheld real-time PCR device. <i>Lab on A Chip</i> , 2016, 16, 586-592.	6.0	96
23	Doubling Throughput of a Real-Time PCR. <i>Scientific Reports</i> , 2015, 5, 12595.	3.3	14
24	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