

Sammer-ul Hassan

List of Publications by Year in descending order

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papers

719
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623699

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docs citations

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times ranked

742
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Biodegradable Natural Polymer-Based Nanoparticles for Drug Delivery Applications. <i>Nanomaterials</i> , 2020, 10, 1970.	4.1	156
2	Monitoring biomolecule concentrations in tissue using a wearable droplet microfluidic-based sensor. <i>Nature Communications</i> , 2019, 10, 2741.	12.8	93
3	Biogenic Nanoparticles: Synthesis, Characterisation and Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2598.	2.5	79
4	A Droplet Microfluidic-Based Sensor for Simultaneous in Situ Monitoring of Nitrate and Nitrite in Natural Waters. <i>Environmental Science & Technology</i> , 2019, 53, 9677-9685.	10.0	51
5	Continuous measurement of enzymatic kinetics in droplet flow for point-of-care monitoring. <i>Analyst</i> , 2016, 141, 3266-3273.	3.5	41
6	Capillary-Driven Flow Microfluidics Combined with Smartphone Detection: An Emerging Tool for Point-of-Care Diagnostics. <i>Diagnostics</i> , 2020, 10, 509.	2.6	29
7	Cellulose acetate based Complexation-NF membranes for the removal of Pb(II) from waste water. <i>Scientific Reports</i> , 2021, 11, 1806.	3.3	27
8	Phased peristaltic micropumping for continuous sampling and hardcoded droplet generation. <i>Lab on A Chip</i> , 2017, 17, 1149-1157.	6.0	24
9	Microfluidics as an Emerging Platform for Tackling Antimicrobial Resistance (AMR): A Review. <i>Current Analytical Chemistry</i> , 2020, 16, 41-51.	1.2	21
10	Nitrate measurement in droplet flow: gas-mediated crosstalk and correction. <i>Lab on A Chip</i> , 2018, 18, 1903-1913.	6.0	20
11	Optical Flow Cell for Measuring Size, Velocity and Composition of Flowing Droplets. <i>Micromachines</i> , 2017, 8, 58.	2.9	18
12	Design and Fabrication of Capillary-Driven Flow Device for Point-Of-Care Diagnostics. <i>Biosensors</i> , 2020, 10, 39.	4.7	16
13	Droplet Interfaced Parallel and Quantitative Microfluidic-Based Separations. <i>Analytical Chemistry</i> , 2015, 87, 3895-3901.	6.5	15
14	Glycoprotein- and Lectin-Based Approaches for Detection of Pathogens. <i>Pathogens</i> , 2020, 9, 694.	2.8	15
15	COVID-19 Crisis Creates Opportunity towards Global Monitoring & Surveillance. <i>Pathogens</i> , 2021, 10, 256.	2.8	13
16	Co-doping optimized hydrogel-elastomer micro-actuators for versatile biomimetic motions. <i>Nanoscale</i> , 2021, 13, 18967-18976.	5.6	13
17	Integration of RT-LAMP and Microfluidic Technology for Detection of SARS-CoV-2 in Wastewater as an Advanced Point-of-Care Platform. <i>Food and Environmental Virology</i> , 2022, 14, 364-373.	3.4	13
18	Plant-inspired TransOrigami microfluidics. <i>Science Advances</i> , 2022, 8, eabo1719.	10.3	12

#	ARTICLE	IF	CITATIONS
19	Micromachined optical flow cell for sensitive measurement of droplets in tubing. <i>Biomedical Microdevices</i> , 2018, 20, 92.	2.8	11
20	Easily fabricated monolithic fluoropolymer chips for sensitive long-term absorbance measurement in droplet microfluidics. <i>RSC Advances</i> , 2020, 10, 30975-30981.	3.6	8
21	Benchmarking of scaling and fouling of reverse osmosis membranes in a power generation plant of paper and board mill: an industrial case of a paper and board mill study. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2511-2518.	3.5	8
22	Microchip Electrophoresis. <i>Encyclopedia</i> , 2021, 1, 30-41.	4.5	8
23	A portable droplet microfluidic device for cortisol measurements using a competitive heterogeneous assay. <i>Analyst</i> , The, 2021, 146, 4535-4544.	3.5	6
24	Design and Fabrication of Optical Flow Cell for Multiplex Detection of β -lactamase in Microchannels. <i>Micromachines</i> , 2020, 11, 385.	2.9	5
25	Lactate monitoring in droplet microfluidics: a cautionary tale in assay miniaturisation. <i>Analytical Methods</i> , 2019, 11, 6119-6123.	2.7	4
26	Interferon γ -Thymosin $\alpha 1$ Fusion Protein (IFN γ -T $\alpha 1$): A Genetically Engineered Fusion Protein with Enhanced Anticancer and Antiviral Effect. <i>Materials</i> , 2021, 14, 3318.	2.9	4
27	Controlled one dimensional oscillation of the Belousov-Zhabotinsky reaction confined within microchannels. <i>RSC Advances</i> , 2012, 2, 6408.	3.6	3
28	Droplet-Based Microgels: Attractive Materials for Drug Delivery Systems. <i>Research & Development in Material Science</i> , 2019, 11, .	0.1	2
29	Droplet-Based Microfluidics: Formation, Detection and Analytical Characterization. <i>Research & Development in Material Science</i> , 2019, 11, .	0.1	2
30	Conceptualized Simulation for Templating Carbon Based Nano Structures for Li-ion Batteries: A DFT Investigation. <i>Journal of New Materials for Electrochemical Systems</i> , 2021, 24, 66-72.	0.6	1
31	A DFT Study of Heteroatom Doped-Pyrazine as an Anode in Sodium ion Batteries. <i>Journal of New Materials for Electrochemical Systems</i> , 2021, 24, 1-8.	0.6	0
32	Capillary-driven flow microfluidics devices for point-of-care diagnostics. , 0, , .		0