

Braulio Cardenas-Benitez

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

259
citations

1040056

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docs citations

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364
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Current Electrokinetic Particle Trapping in Insulator-Based Microfluidics: Theory and Experiments. <i>Analytical Chemistry</i> , 2020, 92, 12871-12879.	6.5	59
2	Review of Covalent Functionalization of Carbon Nanomaterials for Biosensor Applications: An Update. <i>Journal of the Electrochemical Society</i> , 2018, 165, B103-B117.	2.9	40
3	Pyrolysis-induced shrinking of three-dimensional structures fabricated by two-photon polymerization: experiment and theoretical model. <i>Microsystems and Nanoengineering</i> , 2019, 5, 38.	7.0	37
4	Joule heating effects in optimized insulator-based dielectrophoretic devices: An interplay between post geometry and temperature rise. <i>Electrophoresis</i> , 2019, 40, 1408-1416.	2.4	31
5	Simple Approach to Reducing Particle Trapping Voltage in Insulator-Based Dielectrophoretic Systems. <i>Analytical Chemistry</i> , 2018, 90, 4310-4315.	6.5	30
6	Direct current-induced breakdown to enhance reproducibility and performance of carbon-based interdigitated electrode arrays for AC electroosmotic micropumps. <i>Sensors and Actuators A: Physical</i> , 2017, 262, 10-17.	4.1	17
7	Nanogap fabrication by Joule heating of electromechanically spun suspended carbon nanofibers. <i>Carbon</i> , 2017, 115, 811-818.	10.3	15
8	Amplification factor in DC insulator-based electrokinetic devices: a theoretical, numerical, and experimental approach to operation voltage reduction for particle trapping. <i>Lab on A Chip</i> , 2021, 21, 4596-4607.	6.0	11
9	Nano-spaced Gold on Glassy Carbon Substrate for Controlling Cell Behavior. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000238.	3.7	10
10	A LEGO inspired fiber probe analytical platform for early diagnosis of Dengue fever. <i>Materials Science and Engineering C</i> , 2020, 109, 110629.	7.3	4
11	Tailoring the Diameters of Electro-Mechanically Spun Fibers by Controlling Their Deborah Numbers. <i>Polymers</i> , 2020, 12, 1358.	4.5	3
12	Pyrolytic carbon from Novolac Epoxy resin compressed before photocrosslinking and pyrolysis. <i>Materials Today: Proceedings</i> , 2022, 48, 41-49.	1.8	1
13	Biomaterials: Nano-spaced Gold on Glassy Carbon Substrate for Controlling Cell Behavior (Adv.) <i>Tj ETQq1</i> 1 0.784314 rgBT / Overloc	3.7	1