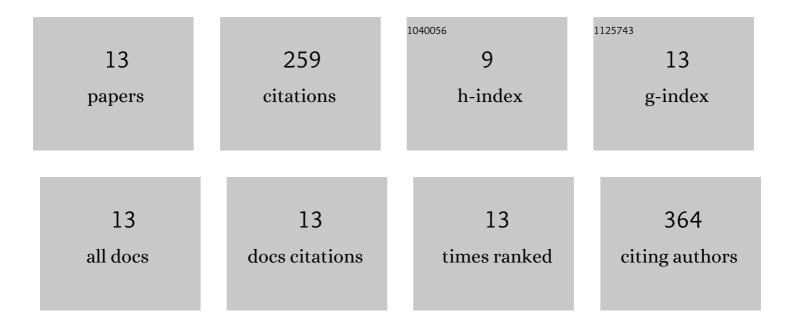
Braulio Cardenas-Benitez

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----------|-------------|
| 1 | Pyrolytic carbon from Novolac Epoxy resin compressed before photocrosslinking and pyrolysis. Materials Today: Proceedings, 2022, 48, 41-49. | 1.8 | 1 |
| 2 | Amplification factor in DC insulator-based electrokinetic devices: a theoretical, numerical, and experimental approach to operation voltage reduction for particle trapping. Lab on A Chip, 2021, 21, 4596-4607. | 6.0 | 11 |
| 3 | A LEGO inspired fiber probe analytical platform for early diagnosis of Dengue fever. Materials Science and Engineering C, 2020, 109, 110629. | 7.3 | 4 |
| 4 | Direct Current Electrokinetic Particle Trapping in Insulator-Based Microfluidics: Theory and Experiments. Analytical Chemistry, 2020, 92, 12871-12879. | 6.5 | 59 |
| 5 | Biomaterials: Nanoâ€spaced Gold on Glassy Carbon Substrate for Controlling Cell Behavior (Adv.) Tj ETQq1 1 0.78 | 84314 rgB | T {Overlock |
| 6 | Tailoring the Diameters of Electro-Mechanically Spun Fibers by Controlling Their Deborah Numbers. Polymers, 2020, 12, 1358. | 4.5 | 3 |
| 7 | Nanoâ€spaced Gold on Glassy Carbon Substrate for Controlling Cell Behavior. Advanced Materials Interfaces, 2020, 7, 2000238. | 3.7 | 10 |
| 8 | Pyrolysis-induced shrinking of three-dimensional structures fabricated by two-photon polymerization: experiment and theoretical model. Microsystems and Nanoengineering, 2019, 5, 38. | 7.0 | 37 |
| 9 | Joule heating effects in optimized insulatorâ€based dielectrophoretic devices: An interplay between post geometry and temperature rise. Electrophoresis, 2019, 40, 1408-1416. | 2.4 | 31 |
| 10 | Review—Covalent Functionalization of Carbon Nanomaterials for Biosensor Applications: An Update. Journal of the Electrochemical Society, 2018, 165, B103-B117. | 2.9 | 40 |
| 11 | Simple Approach to Reducing Particle Trapping Voltage in Insulator-Based Dielectrophoretic Systems. Analytical Chemistry, 2018, 90, 4310-4315. | 6.5 | 30 |
| 12 | Nanogap fabrication by Joule heating of electromechanically spun suspended carbon nanofibers. Carbon, 2017, 115, 811-818. | 10.3 | 15 |
| 13 | Direct current-induced breakdown to enhance reproducibility and performance of carbon-based interdigitated electrode arrays for AC electroosmotic micropumps. Sensors and Actuators A: Physical, 2017, 262, 10-17. | 4.1 | 17 |