

CITATION REPORT

List of articles citing

Dependence of the dielectrophoretic upper crossover frequency on the lipid content of microalgal cells

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#	Paper	IF	Citations
25	Use of a Separability Parameter for the Design of a High Frequency Dielectrophoresis Cell Sorter Device. 2015 ,		
24	Liposomes as a model for the study of high frequency dielectrophoresis. <i>Electrophoresis</i> , 2015 , 36, 1423-86	3.6	4
23	Conducting Engineering Research Experiments in a Senior Mechanical Engineering Instructional Laboratory. 2015 ,		
22	Epifluorescent direct-write photolithography for microfluidic applications. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , 2015 , 14, 013504	0.7	
21	Monitoring of Microalgal Processes. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2016 , 153, 89-1427	4.7	7
20	Microalgae Biotechnology. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2016 ,	1.7	13
19	Programmable micrometer-sized motor array based on live cells. <i>Lab on A Chip</i> , 2017 , 17, 2046-2053	7.2	18
18	Microfluidic systems for microalgal biotechnology: A review. <i>Algal Research</i> , 2018 , 30, 149-161	5	53
17	Microfluidic techniques for enhancing biofuel and biorefinery industry based on microalgae. <i>Biotechnology for Biofuels</i> , 2019 , 12, 33	7.8	26
16	Dielectric characterization of bioparticles via electrokinetics: The past, present, and the future. <i>Applied Physics Reviews</i> , 2019 , 6, 041313	17.3	16
15	Dielectrophoresis: From Molecular to Micrometer-Scale Analytes. <i>Analytical Chemistry</i> , 2019 , 91, 277-295	7.8	49
14	Characterization of single-cell biophysical properties and cell type classification using dielectrophoresis model reduction method. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 127326	8.5	14
13	Application of dielectrophoresis towards characterization of rare earth elements biosorption by <i>Cupriavidus necator</i> . <i>Analytica Chimica Acta</i> , 2020 , 1129, 150-157	6.6	3
12	Separation, Characterization, and Handling of Microalgae by Dielectrophoresis. <i>Microorganisms</i> , 2020 , 8,	4.9	11
11	Electrorotation of single microalgae cells during lipid accumulation for assessing cellular dielectric properties and total lipid contents. <i>Biosensors and Bioelectronics</i> , 2020 , 173, 112772	11.8	1
10	Dielectrophoretic ultra-high-frequency characterization and in silico sorting on uptake of rare earth elements by <i>Cupriavidus necator</i> . <i>Electrophoresis</i> , 2021 , 42, 656-666	3.6	1
9	Dynamically controlled dielectrophoresis using resonant tuning. <i>Electrophoresis</i> , 2021 , 42, 1079-1092	3.6	2

8	The automatic and high-throughput purification and enrichment of microalgae cells using deterministic lateral displacement arrays with different post shapes. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 2228	3.5	1
7	Rapid Lipid Content Screening in Utilizing Carbon-Based Dielectrophoresis. <i>Micromachines</i> , 2021 , 12,	3.3	
6	Separating microparticles by material and size using dielectrophoretic chromatography with frequency modulation. <i>Scientific Reports</i> , 2021 , 11, 16861	4.9	2
5	Measurement of lipid accumulation in <i>Chlorella vulgaris</i> via flow cytometry and liquid-state ^1H NMR spectroscopy for development of an NMR-traceable flow cytometry protocol. <i>PLoS ONE</i> , 2015 , 10, e0134846	2.7	10
4	Continuous-flow sorting of microalgae cells based on lipid content by high frequency dielectrophoresis. <i>AIMS Biophysics</i> , 2016 , 3, 398-414	0.8	17
3	Microfluidic Microalgae System: A Review.. <i>Molecules</i> , 2022 , 27,	4.8	1
2	High-throughput dielectrophoretic separator based on printed circuit boards.		0
1	Separation of microalgae cells in a microfluidic chip based on AC Dielectrophoresis.		0