

Scaling down constrictionâ€based (electrodeless) dielec nanoscale bioparticles in physiological media of highâ€

Electrophoresis

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Enhanced penetration of fluoride particles into bovine enamel by combining dielectrophoresis with AC electroosmosis. <i>Electrophoresis</i> , 2013, 34, 2945-2955.	1.3	8
2	Six-Helix Bundle and Triangle DNA Origami Insulator-Based Dielectrophoresis. <i>Analytical Chemistry</i> , 2013, 85, 11427-11434.	3.2	29
3	Quantifying spatio-temporal dynamics of biomarker pre-concentration and depletion in microfluidic systems by intensity threshold analysis. <i>Biomicrofluidics</i> , 2014, 8, 052009.	1.2	18
4	Electrical tweezer for highly parallelized electrorotation measurements over a wide frequency bandwidth. <i>Electrophoresis</i> , 2014, 35, 1795-1802.	1.3	33
5	Continuous-flow dielectrophoretic trapping and patterning of colloidal particles in a ratchet microchannel. <i>Journal of Micromechanics and Microengineering</i> , 2014, 24, 075007.	1.5	23
6	Non-ponderomotive stability and random motion in micro-/nano-scale quadrupole dielectrophoretic traps. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 435501.	1.3	1
7	Nanoelectronic impedance detection of target cells. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1161-1169.	1.7	21
8	Joule heating effects on reservoir-based dielectrophoresis. <i>Electrophoresis</i> , 2014, 35, 721-727.	1.3	36
9	Dielectrophoretic Monitoring and Interstrain Separation of Intact <i>Clostridium difficile</i> Based on Their S(Surface)-Layers. <i>Analytical Chemistry</i> , 2014, 86, 10855-10863.	3.2	31
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11	Temporal and Spatial Temperature Measurement in Insulator-Based Dielectrophoretic Devices. <i>Analytical Chemistry</i> , 2014, 86, 6516-6524.	3.2	30
12	A wide-bandwidth power amplifier for frequency-selective insulator-based dielectrophoresis. <i>Lab on A Chip</i> , 2014, 14, 4183-4187.	3.1	22
13	Insulator-based dielectrophoresis of mitochondria. <i>Biomicrofluidics</i> , 2014, 8, 021801.	1.2	36
14	Isolation and enrichment of low abundant particles with insulator-based dielectrophoresis. <i>Biomicrofluidics</i> , 2015, 9, 064113.	1.2	34
15	On-chip DNA preconcentration in different media conductivities by electrodeless dielectrophoresis. <i>Biomicrofluidics</i> , 2015, 9, 054115.	1.2	14
16	Nanoconstriction-based electrodeless dielectrophoresis chip for nanoparticle and protein preconcentration. <i>Applied Physics Express</i> , 2015, 8, 085201.	1.1	12
17	3D Insulator-based dielectrophoresis using DC-biased, AC electric fields for selective bacterial trapping. <i>Electrophoresis</i> , 2015, 36, 277-283.	1.3	28
18	AC Electrokinetics of Physiological Fluids for Biomedical Applications. <i>Journal of the Association for Laboratory Automation</i> , 2015, 20, 611-620.	2.8	40

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20	Protein dielectrophoresis and the link to dielectric properties. <i>Bioanalysis</i> , 2015, 7, 353-371.	0.6	22
21	Ultrafast immunoassays by coupling dielectrophoretic biomarker enrichment in nanoslit channel with electrochemical detection on graphene. <i>Lab on A Chip</i> , 2015, 15, 4563-4570.	3.1	82
22	Nanomaterial-based electrochemical sensing of neurological drugs and neurotransmitters. <i>Mikrochimica Acta</i> , 2015, 182, 1-41.	2.5	275
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36	Nanofluidic fluorescence microscopy with integrated concentration gradient generation for one-shot parallel kinetic assays. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 338-342.	4.0	3

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54	Progress of Microfluidic Continuous Separation Techniques for Micro-/Nanoscale Bioparticles. <i>Biosensors</i> , 2021, 11, 464.	2.3	12

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