Jun Yang

List of Publications by Year
in descending order

47	774	567281 15	526287 27
papers	citations	h-index	g-index

47	47	47	831
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential Analysis of Human Leukocytes by Dielectrophoretic Field-Flow-Fractionation. Biophysical Journal, 2000, 78, 2680-2689.	0.5	203
2	Cell electrofusion in microfluidic devices: A review. Sensors and Actuators B: Chemical, 2013, 178, 63-85.	7.8	54
3	Detection of heavy metal ions using whispering gallery mode lasing in functionalized liquid crystal microdroplets. Biomedical Optics Express, 2019, 10, 6073.	2.9	40
4	A cell electrofusion microfluidic device integrated with 3D thin-film microelectrode arrays. Biomicrofluidics, 2011, 5, 34121-3412112.	2.4	36
5	Study of high-throughput cell electrofusion in a microelectrode-array chip. Microfluidics and Nanofluidics, 2008, 5, 669-675.	2.2	34
6	A highâ€throughput dielectrophoresisâ€based cell electrofusion microfluidic device. Electrophoresis, 2011, 32, 2488-2495.	2.4	34
7	Applications of Microfluidics in Liquid Crystal-Based Biosensors. Biosensors, 2021, 11, 385.	4.7	21
8	Impacts of electrical parameters on the electroformation of giant vesicles on ITO glass chips. Colloids and Surfaces B: Biointerfaces, 2016, 140, 560-566.	5.0	20
9	Polyimide Membrane Based Cell-electrofusion Chip. Chinese Journal of Analytical Chemistry, 2009, 37, 1247-1252.	1.7	19
10	Electroformation and electrofusion of giant vesicles in a microfluidic device. Colloids and Surfaces B: Biointerfaces, 2013, 110, 81-87.	5.0	19
11	Somatic and stem cell pairing and fusion using a microfluidic array device. Microfluidics and Nanofluidics, 2011, 11, 633-641.	2.2	18
12	Dielectrophoretic Separation of Particles Using Microfluidic Chip with Composite Three-Dimensional Electrode. Micromachines, 2020, 11, 700.	2.9	18
13	Multi-Stage Particle Separation based on Microstructure Filtration and Dielectrophoresis. Micromachines, 2019, 10, 103.	2.9	17
14	Chipâ€Based Cell Electrofusion. Advanced Engineering Materials, 2010, 12, B398.	3.5	16
15	Electric Field Simulation of High-throughput Cell Electrofusion Chip. Chinese Journal of Analytical Chemistry, 2008, 36, 593-598.	1.7	15
16	Design and Performance of a Portable and Multichannel SPR Device. Sensors, 2017, 17, 1435.	3.8	15
17	Fabrication and performance of monodisperse liquid crystal droplet-based microchips for the on-chip detection of bile acids. Microchemical Journal, 2020, 157, 105057.	4.5	15
18	Multi-channel surface plasmon resonance biosensor using prism-based wavelength interrogation. Optics Express, 2020, 28, 14007.	3.4	15

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19	A cell electrofusion microfluidic chip using discrete coplanar vertical sidewall microelectrodes. Electrophoresis, 2012, 33, 1980-1986.	2.4	14
20	Preparation of Poly(vinyl alcohol) Microspheres Based on Droplet Microfluidic Technology. Chinese Journal of Analytical Chemistry, 2018, 46, 1269-1274.	1.7	14
21	A cell electrofusion microfluidic chip with micro-cavity microelectrode array. Microfluidics and Nanofluidics, 2013, 15, 151-160.	2.2	13
22	A Cell Electrofusion Chip for Somatic Cells Reprogramming. PLoS ONE, 2015, 10, e0131966.	2.5	12
23	Ion concentration effect (Na+ and Clâ^') on lipid vesicle formation. Colloids and Surfaces B: Biointerfaces, 2017, 155, 287-293.	5.0	10
24	Controllable cell electroporation using microcavity electrodes. Sensors and Actuators B: Chemical, 2017, 240, 434-442.	7.8	9
25	Microchannel with Stacked Microbeads for Separation of Plasma from Whole Blood. Chinese Journal of Analytical Chemistry, 2019, 47, 661-668.	1.7	9
26	Microfluidic pool structure for cell docking and rapid mixing. Analytica Chimica Acta, 2009, 634, 61-67.	5.4	8
27	Lowâ€Voltage Pulsed Electric Field Sterilization on a Microfluidic Chip. Electroanalysis, 2013, 25, 1301-1309.	2.9	8
28	Characterization of lipid films by an angle-interrogation surface plasmon resonance imaging device. Colloids and Surfaces B: Biointerfaces, 2015, 128, 287-295.	5.0	7
29	Preparation of giant lipid vesicles with controllable sizes by a modified hydrophilic polydimethylsiloxane microarray chip. Journal of Colloid and Interface Science, 2019, 536, 53-61.	9.4	7
30	Frequency-Dependent Electroformation of Giant Unilamellar Vesicles in 3D and 2D Microelectrode Systems. Micromachines, 2017, 8, 24.	2.9	6
31	Electroformation and collection of giant liposomes on an integrated microchip. Chinese Chemical Letters, 2019, 30, 353-358.	9.0	6
32	Multipole plasmon resonance in gold nanobipyramid: Effects of tip shape and size. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 412, 127577.	2.1	6
33	Impact of Temperature Profile on Growth and Proliferation of Myoblasts on ITO Glass Chips. Chinese Journal of Analytical Chemistry, 2013, 41, 1171-1176.	1.7	5
34	Construction of microscale structures in enclosed microfluidic networks by using a magnetic beads based method. Analytica Chimica Acta, 2013, 792, 66-71.	5.4	5
35	Electro-Deformation of Fused Cells in a Microfluidic Array Device. Micromachines, 2016, 7, 204.	2.9	5
36	Sodiumâ€Ion Batteries: O3â€Type Layered Niâ€Rich Oxide: A Highâ€Capacity and Superiorâ€Rate Cathode for Sodiumâ€Ion Batteries (Small 52/2019). Small, 2019, 15, 1970282.	10.0	5

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37	Development and Prospect of Cell-electrofusion Chip Technology. Chinese Journal of Analytical Chemistry, 2012, 40, 331-338.	1.7	3
38	Microsphere-Based Microfluidic Device for Plasma Separation and Potential Biochemistry Analysis Applications. Micromachines, 2021, 12, 487.	2.9	3
39	Ion Transport in pH-Regulated Double-Barreled Nanopores. Analytical Chemistry, 2022, 94, 5642-5650.	6.5	3
40	Formation of Giant Lipid Vesicles in the Presence of Nonelectrolytesâ€"Glucose, Sucrose, Sorbitol and Ethanol. Processes, 2021, 9, 945.	2.8	2
41	Mechanism study of how lipid vesicle electroformation is suppressed by the presence of sodium chloride. Colloids and Surfaces B: Biointerfaces, 2021, 206, 111951.	5.0	2
42	Study of Liposome Electrofusion on Microelectrode Array Chip. Chinese Journal of Analytical Chemistry, 2012, 40, 551-555.	1.7	1
43	Microfluidic Chips for Preparation and Collection of Giant Vesicles. Chinese Journal of Analytical Chemistry, 2015, 43, 1113-1117.	1.7	1
44	A Continuous Cell Separation and Collection Approach on a Microfilter and Negative Dielectrophoresis Combined Chip. Micromachines, 2020, 11, 1037.	2.9	1
45	(Advanced Biomaterials 7/2010). Advanced Engineering Materials, 2010, 12, n/a-n/a.	3.5	0
46	Study of micro-gap reactors for pulsed electric field sterilization. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2015, 229, 191-195.	0.1	0
47	Simultaneous assay of platelet adhesion at multiple shear rates within a single microfluidic channel. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	0