Dongqing Li

List of Publications by Year
in descending order

163 papers	7,247 citations	57758 44 h-index	64796 79 g-index
166 all docs	166 docs citations	166 times ranked	5483 citing authors

#	Article	IF	Citations
1	Zeta-potential measurement using the Smoluchowski equation and the slope of the currentâ€“time relationship in electroosmotic flow. Journal of Colloid and Interface Science, 2003, 261, 402-410.	9.4	626
2	Dielectrophoresis in microfluidics technology. Electrophoresis, 2011, 32, 2410-2427.	2.4	310
3	Influence of Surface Heterogeneity on Electrokinetically Driven Microfluidic Mixing. Langmuir, 2002, 18, 1883-1892.	3.5	273
4	Heterogeneous Surface Charge Enhanced Micromixing for Electrokinetic Flows. Analytical Chemistry, 2004, 76, 3208-3213.	6.5	252
5	Measurement of the Zeta Potential of Gas Bubbles in Aqueous Solutions by Microelectrophoresis Method. Journal of Colloid and Interface Science, 2001, 243, 128-135.	9.4	245
6	DC-Dielectrophoretic separation of biological cells by size. Biomedical Microdevices, 2008, 10, 243-249.	2.8	243
7	Continuous separation of microparticles by size with Direct current-dielectrophoresis. Electrophoresis, 2006, 27, 694-702.	2.4	181
8	The Î¶-Potential of Glass Surface in Contact with Aqueous Solutions. Journal of Colloid and Interface Science, 2000, 226, 328-339.	9.4	171
9	Electrokinetic motion of particles and cells in microchannels. Microfluidics and Nanofluidics, 2009, 6, 431-460.	2.2	171
10	Micromixing using induced-charge electrokinetic flow. Electrochimica Acta, 2008, 53, 5827-5835.	5.2	144
11	Molecular dynamics simulation of nanoscale liquid flows. Microfluidics and Nanofluidics, 2010, 9, 1011-1031.	2.2	134
12	A Model for Overlapped EDL Fields. Journal of Colloid and Interface Science, 2000, 224, 397-407.	9.4	133
13	Microfluidics cell electroporation. Microfluidics and Nanofluidics, 2011, 10, 703-734.	2.2	122
14	Continuous particle separation with localized AC-dielectrophoresis using embedded electrodes and an insulating hurdle. Electrochimica Acta, 2009, 54, 1715-1720.	5.2	113
15	Methods for counting particles in microfluidic applications. Microfluidics and Nanofluidics, 2009, 7, 739.	2.2	111
16	Effects of dc-dielectrophoretic force on particle trajectories in microchannels. Journal of Applied Physics, 2006, 99, 064702.	2.5	104
17	Microfluidic whole-blood immunoassays. Microfluidics and Nanofluidics, 2011, 10, 941-964.	2.2	101
18	Electroosmotic Flow in Heterogeneous Microchannels. Journal of Colloid and Interface Science, 2001, 243, 255-261.	9.4	96

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19	Analysis of Alternating Current Electroosmotic Flows in a Rectangular Microchannel. Langmuir, 2003, 19, 5421-5430.	3.5	95
20	Mixing and flow regulating by induced-charge electrokinetic flow in a microchannel with a pair of conducting triangle hurdles. Microfluidics and Nanofluidics, 2008, 5, 65-76.	2.2	95
21	Effect of Joule heating on electrokinetic transport. Electrophoresis, 2008, 29, 994-1005.	2.4	93
22	Electrokinetic Transport through Rough Microchannels. Analytical Chemistry, 2003, 75, 5747-5758.	6.5	92
23	Determining Î¶ Potential and Surface Conductance by Monitoring the Current in Electro-osmotic Flow. Journal of Colloid and Interface Science, 2000, 225, 421-428.	9.4	73
24	Microchannel Flow with Patchwise and Periodic Surface Heterogeneity. Langmuir, 2002, 18, 8949-8959.	3.5	71
25	Experimental characterization of the temperature dependence of zeta potential and its effect on electroosmotic flow velocity in microchannels. Microfluidics and Nanofluidics, 2006, 2, 493-499.	2.2	70
26	Continuous particle separation by size <i>via</i> ACâ€dielectrophoresis using a labâ€onâ€aâ€chip device with 3â€D electrodes. Electrophoresis, 2009, 30, 766-772.	2.4	65
27	Continuous Cell Characterization and Separation by Microfluidic Alternating Current Dielectrophoresis. Analytical Chemistry, 2019, 91, 6304-6314.	6.5	62
28	Microfluidic differential resistive pulse sensors. Electrophoresis, 2008, 29, 2754-2759.	2.4	59
29	Simultaneous particle counting and detecting on a chip. Lab on A Chip, 2008, 8, 1943.	6.0	59
30	Electrophoretic Motion of a Circular Cylindrical Particle in a Circular Cylindrical Microchannel. Langmuir, 2002, 18, 9095-9101.	3.5	58
31	A New Method of Evaluating the Average Electro-osmotic Velocity in Microchannels. Journal of Colloid and Interface Science, 2002, 250, 238-242.	9.4	57
32	3-D transient electrophoretic motion of a spherical particle in a T-shaped rectangular microchannel. Journal of Colloid and Interface Science, 2004, 272, 480-488.	9.4	55
33	Fabrication of polydimethylsiloxane (PDMS) nanofluidic chips with controllable channel size and spacing. Lab on A Chip, 2016, 16, 3767-3776.	6.0	53
34	Microfluidic and Nanofluidic Resistive Pulse Sensing: A Review. Micromachines, 2017, 8, 204.	2.9	52
35	Electroosmotic flow at a liquidâ€“air interface. Microfluidics and Nanofluidics, 2006, 2, 361-365.	2.2	51
36	Eccentric electrophoretic motion of a sphere in circular cylindrical microchannels. Microfluidics and Nanofluidics, 2005, 1, 234-241.	2.2	50

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37	Electrokinetic transport through nanochannels. Electrophoresis, 2011, 32, 1259-1267.	2.4	49
38	Three-Dimensional Structure of Electroosmotic Flow over Heterogeneous Surfaces. Journal of Physical Chemistry B, 2003, 107, 12212-12220.	2.6	48
39	Experimental validation of induced-charge electrokinetic motion of electrically conducting particles. Electrochimica Acta, 2013, 87, 270-276.	5.2	47
40	Electroosmotic flow in single PDMS nanochannels. Nanoscale, 2016, 8, 12237-12246.	5.6	47
41	Continuous separation of nanoparticles by type via localized DC-dielectrophoresis using asymmetric nano-orifice in pressure-driven flow. Sensors and Actuators B: Chemical, 2017, 250, 274-284.	7.8	46
42	Dielectrophoretic Force on a Sphere near a Planar Boundary. Langmuir, 2005, 21, 12037-12046.	3.5	45
43	3D numerical study of induced-charge electrokinetic motion of heterogeneous particle in a microchannel. Electrochimica Acta, 2011, 56, 4254-4262.	5.2	45
44	Micro-valve using induced-charge electrokinetic motion of Janus particle. Lab on A Chip, 2011, 11, 2929.	6.0	44
45	A microfluidic chip for heterogeneous immunoassay using electrokinetical control. Microfluidics and Nanofluidics, 2005, 1, 346-355.	2.2	43
46	A microfluidic chip for blood plasma separation using electro-osmotic flow control. Journal of Micromechanics and Microengineering, 2011, 21, 085019.	2.6	42
47	A Label-Free Microfluidic Biosensor for Activity Detection of Single Microalgae Cells Based on Chlorophyll Fluorescence. Sensors, 2013, 13, 16075-16089.	3.8	42
48	Electrophoretic motion of ideally polarizable particles in a microchannel. Electrophoresis, 2009, 30, 773-781.	2.4	41
49	Counting bacteria on a microfluidic chip. Analytica Chimica Acta, 2010, 681, 82-86.	5.4	41
50	Development of a novel electrokinetically driven microfluidic immunoassay for the detection of Helicobacter pylori. Analytica Chimica Acta, 2005, 543, 109-116.	5.4	39
51	Electrokinetic flow in a free surface-guided microchannel. Journal of Applied Physics, 2006, 99, 054905.	2.5	39
52	A dynamic loading method for controlling on-chip microfluidic sample injection. Journal of Colloid and Interface Science, 2003, 266, 448-456.	9.4	38
53	Near-wall electrophoretic motion of spherical particles in cylindrical capillaries. Journal of Colloid and Interface Science, 2005, 289, 286-290.	9.4	38
54	The van der Waals Interaction between a Spherical Particle and a Cylinder. Journal of Colloid and Interface Science, 1999, 217, 60-69.	9.4	37

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55	Experimental characterization of a metal-oxide-semiconductor field-effect transistor-based Coulter counter. Journal of Applied Physics, 2008, 103, 104701-10470110.	2.5	37
56	Tunable Droplet Manipulation and Characterization by ac-DEP. ACS Applied Materials & Interfaces, 2018, 10, 36572-36581.	8.0	36
57	Effects of ionic concentration gradient on electroosmotic flow mixing in a microchannel. Journal of Colloid and Interface Science, 2015, 440, 126-132.	9.4	35
58	Separation of nanoparticles by a nano-orifice based DC-dielectrophoresis method in a pressure-driven flow. Nanoscale, 2016, 8, 18945-18955.	5.6	34
59	Effects of ion size, ion valence and pH of electrolyte solutions on EOF velocity in single nanochannels. Analytica Chimica Acta, 2019, 1059, 68-79.	5.4	34
60	The Î¶-Potential of Silicone Oil Droplets Dispersed in Aqueous Solutions. Journal of Colloid and Interface Science, 1998, 206, 346-349.	9.4	33
61	Effects of surface heterogeneity on flow circulation in electroosmotic flow in microchannels. Analytica Chimica Acta, 2005, 530, 273-282.	5.4	33
62	Microfluidic DNA hybridization assays. Microfluidics and Nanofluidics, 2011, 11, 367-383.	2.2	33
63	Thermally induced velocity gradients in electroosmotic microchannel flows: the cooling influence of optical infrastructure. Experiments in Fluids, 2004, 37, 872-882.	2.4	32
64	Simultaneous diamagnetic and magnetic particle trapping in ferrofluid microflows via a single permanent magnet. Biomicrofluidics, 2015, 9, 044102.	2.4	32
65	Induced-charge electrophoretic motion of ideally polarizable particles. Electrochimica Acta, 2009, 54, 3960-3967.	5.2	31
66	Nanoparticle detection by microfluidic Resistive Pulse Sensor with a submicron sensing gate and dual detecting channels-two stage differential amplifier. Sensors and Actuators B: Chemical, 2011, 155, 930-936.	7.8	30
67	Electric charge on small silicone oil droplets dispersed in ionic surfactant solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 139, 213-225.	4.7	29
68	Control of flow rate and concentration in microchannel branches by induced-charge electrokinetic flow. Journal of Colloid and Interface Science, 2011, 364, 588-593.	9.4	29
69	Redistribution of mobile surface charges of an oil droplet in water in applied electric field. Advances in Colloid and Interface Science, 2016, 236, 142-151.	14.7	29
70	Detection of Individual Molecules and Ions by Carbon Nanotubeâ€Based Differential Resistive Pulse Sensor. Small, 2018, 14, e1800013.	10.0	29
71	Wide-spectrum, ultrasensitive fluidic sensors with amplification from both fluidic circuits and metal oxide semiconductor field effect transistors. Applied Physics Letters, 2007, 91, .	3.3	28
72	A novel microfluidic resistive pulse sensor with multiple voltage input channels and a side sensing gate for particle and cell detection. Analytica Chimica Acta, 2019, 1052, 113-123.	5.4	28

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73	DC dielectrophoresis separation of marine algae and particles in a microfluidic chip. Science China Chemistry, 2012, 55, 524-530.	8.2	27
74	Capacitive detection of living microalgae in a microfluidic chip. Sensors and Actuators B: Chemical, 2014, 194, 164-172.	7.8	27
75	Electrophoretic mobility of oil droplets in electrolyte and surfactant solutions. Electrophoresis, 2015, 36, 2489-2497.	2.4	26
76	Separation of Janus droplets and oil droplets in microchannels by wall-induced dielectrophoresis. Journal of Chromatography A, 2017, 1501, 151-160.	3.7	24
77	Electroosmotic flow in microchannels with prismatic elements. Microfluidics and Nanofluidics, 2007, 3, 151-160.	2.2	23
78	Smartphone based microfluidic lab-on-chip device for real-time detection, counting and sizing of living algae. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110304.	5.0	22
79	Focusing particles by induced charge electrokinetic flow in a microchannel. Electrophoresis, 2016, 37, 666-675.	2.4	21
80	Detection and sizing of nanoparticles and DNA on PDMS nanofluidic chips based on differential resistive pulse sensing. Nanoscale, 2017, 9, 5964-5974.	5.6	21
81	Manipulation and separation of oil droplets by using asymmetric nano-orifice induced DC dielectrophoretic method. Journal of Colloid and Interface Science, 2018, 512, 389-397.	9.4	21
82	Electrophoretic Motion of a Sphere in a Microchannel under the Gravitational Field. Journal of Colloid and Interface Science, 2002, 251, 331-338.	9.4	20
83	Effect of Pentanol on Morphologies and Pore Structure of Mesoporous Silica. Langmuir, 2003, 19, 4269-4271.	3.5	20
84	Automatic particle detection and sorting in an electrokinetic microfluidic chip. Electrophoresis, 2013, 34, 684-690.	2.4	20
85	Electroosmotic flow in a water column surrounded by an immiscible liquid. Journal of Colloid and Interface Science, 2012, 372, 207-211.	9.4	19
86	Deformation and Interaction of Droplet Pairs in a Microchannel Under ac Electric Fields. Physical Review Applied, 2015, 4, .	3.8	19
87	Effects of liquid conductivity differences on multi-component sample injection, pumping and stacking in microfluidic chips. Lab on A Chip, 2003, 3, 173.	6.0	18
88	Multiâ€Functional Particle Detection with Embedded Optical Fibers in a Poly(dimethylsiloxane) Chip. Instrumentation Science and Technology, 2005, 33, 597-607.	1.8	18
89	Highâ€throughput and sensitive particle counting by a novel microfluidic differential resistive pulse sensor with multidetecting channels and a common reference channel. Electrophoresis, 2015, 36, 495-501.	2.4	18
90	Electrokinetic sample transport in a microchannel with spatial electrical conductivity gradients. Journal of Colloid and Interface Science, 2006, 294, 482-491.	9.4	17

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91	Fabrication of nanochannels on polystyrene surface. Biomicrofluidics, 2015, 9, 024117.	2.4	17
92	Kinetics of microbubbleâ€“solid surface interaction and attachment. AIChE Journal, 2003, 49, 1024-1037.	3.6	16
93	A novel microfluidic valve controlledby induced charge electro-osmotic flow. Journal of Micromechanics and Microengineering, 2016, 26, 075002.	2.6	16
94	Redistribution of charged aluminum nanoparticles on oil droplets in water in response to applied electrical field. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	16
95	Microvalve using electrokinetic motion of electrically induced Janus droplet. Analytica Chimica Acta, 2018, 1021, 85-94.	5.4	16
96	Electrokinetic motion of a spherical polystyrene particle at a liquid-fluid interface. Journal of Colloid and Interface Science, 2018, 509, 432-439.	9.4	16
97	Electrokinetic motion of a rectangular nanoparticle in a nanochannel. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	15
98	An induction current method for determining the critical micelle concentration and the polarity of surfactants. Colloid and Polymer Science, 2015, 293, 1525-1534.	2.1	15
99	Sizeâ€based cell sorting with a resistive pulse sensor and an electromagnetic pump in a microfluidic chip. Electrophoresis, 2015, 36, 398-404.	2.4	15
100	Sheathless electrokinetic particle separation in a bifurcating microchannel. Biomicrofluidics, 2016, 10, 054104.	2.4	15
101	Surface-conduction enhanced dielectrophoretic-like particle migration in electric-field driven fluid flow through a straight rectangular microchannel. Physics of Fluids, 2017, 29, .	4.0	15
102	Fabrication and electrokinetic motion of electrically anisotropic Janus droplets in microchannels. Electrophoresis, 2017, 38, 287-295.	2.4	15
103	Ionic Diode Based on an Asymmetricâ€Shaped Carbon Black Nanoparticle Membrane. Advanced Functional Materials, 2021, 31, 2104341.	14.9	15
104	A surface charge governed nanofluidic diode based on a single polydimethylsiloxane (PDMS) nanochannel. Journal of Colloid and Interface Science, 2021, 596, 54-63.	9.4	15
105	A NEW MODEL FOR THE ELECTRICAL DOUBLE LAYER INTERACTION BETWEEN TWO SURFACES IN AQUEOUS SOLUTIONS. Journal of Adhesion, 2004, 80, 831-849.	3.0	14
106	Translational motion of a spherical particle near a planar liquidâ€“fluid interface. Journal of Colloid and Interface Science, 2008, 319, 344-352.	9.4	14
107	Experimental characterization of electrical current leakage in poly(dimethylsiloxane) microfluidic devices. Microfluidics and Nanofluidics, 2009, 6, 589-598.	2.2	14
108	Electrokinetic motion of a spherical micro particle at an oilâˆ'water interface in microchannel. Electrophoresis, 2018, 39, 807-815.	2.4	14

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109	Tunable particle/cell separation across aqueous two-phase system interface by electric pulse in microfluidics. Journal of Colloid and Interface Science, 2022, 612, 23-34.	9.4	14
110	A novel microfluidic flow focusing method. Biomicrofluidics, 2014, 8, 054120.	2.4	13
111	A novel particle separation method based on inducedâ€charge electroâ€osmotic flow and polarizability of dielectric particles. Electrophoresis, 2014, 35, 2922-2929.	2.4	13
112	Improving particle detection sensitivity of a microfluidic resistive pulse sensor by a novel electrokinetic flow focusing method. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	13
113	Electrokinetic motion of a submerged oil droplet near an airâ€“water interface. Chemical Engineering Science, 2018, 192, 264-272.	3.8	13
114	Zeta potentials of PDMS surfaces modified with poly(ethylene glycol) by physisorption. Electrophoresis, 2020, 41, 761-768.	2.4	13
115	Detecting zeta potential of polydimethylsiloxane (PDMS) in electrolyte solutions with atomic force microscope. Journal of Colloid and Interface Science, 2020, 578, 116-123.	9.4	13
116	Measurements of the electric charge and surface potential on small aqueous drops in the air by applying the Millikan method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 137, 205-215.	4.7	12
117	Effects of spatial gradients of electrical conductivity on chip-based sample injection processes. Analytica Chimica Acta, 2004, 518, 59-68.	5.4	12
118	ALGAE DETECTION AND SHIP'S BALLAST WATER ANALYSIS BY A MICROFLUIDIC LAB-ON-CHIP DEVICE. Instrumentation Science and Technology, 2012, 40, 305-315.	1.8	12
119	Electrokinetic transport of nanoparticles to opening of nanopores on cell membrane during electroporation. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	12
120	Dual-wavelength fluorescent detection of particles on a novel microfluidic chip. Lab on A Chip, 2013, 13, 843.	6.0	12
121	Electrokinetic motion of an electrically induced Janus droplet in microchannels. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	12
122	Particle detection on microfluidic chips by differential resistive pulse sensing (RPS) method. Talanta, 2018, 184, 418-428.	5.5	12
123	Direct current dielectrophoretic manipulation of the ionic liquid droplets in water. Journal of Chromatography A, 2018, 1558, 96-106.	3.7	12
124	Self-propulsion of aluminum particle-coated Janus droplet in alkaline solution. Journal of Colloid and Interface Science, 2018, 532, 657-665.	9.4	12
125	Electroosmotic flow velocity in DNA modified nanochannels. Journal of Colloid and Interface Science, 2019, 553, 31-39.	9.4	12
126	Electrokinetically controlled concentration gradients in micro-chambers in microfluidic systems. Microfluidics and Nanofluidics, 2006, 2, 141-153.	2.2	11

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127	Simulation of low speed 3D nanochannel flow. Microfluidics and Nanofluidics, 2007, 3, 417-425.	2.2	11
128	An induced current method for measuring zeta potential of electrolyte solutionâ€“air interface. Journal of Colloid and Interface Science, 2014, 416, 101-104.	9.4	11
129	Separation of dielectric Janus particles based on polarizability-dependent induced-charge electroosmotic flow. Journal of Colloid and Interface Science, 2015, 448, 297-305.	9.4	11
130	A novel method for measuring zeta potentials of solidâ€“liquid interfaces. Analytica Chimica Acta, 2015, 853, 689-695.	5.4	11
131	Zeta potentials of polydimethylsiloxane surfaces modified by polybrene of different concentrations. Electrophoresis, 2016, 37, 567-572.	2.4	11
132	Vortices around Janus droplets under externally applied electrical field. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	11
133	Janus Droplets and Droplets with Multiple Heterogeneous Surface Strips Generated with Nanoparticles under Applied Electric Field. Journal of Physical Chemistry C, 2018, 122, 8461-8472.	3.1	11
134	Vortex generation in electroosmotic flow in a straight polydimethylsiloxane microchannel with different polybrene modified-to-unmodified section length ratios. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	11
135	A new hand-held microfluidic cytometer for evaluating irradiation damage by analysis of the damaged cells distribution. Scientific Reports, 2016, 6, 23165.	3.3	10
136	Electrokinetic motion of single nanoparticles in single PDMS nanochannels. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	10
137	Numerical studies of manipulation and separation of Janus particles in nano-orifice based DC-dielectrophoretic microfluidic chips. Journal of Micromechanics and Microengineering, 2017, 27, 095007.	2.6	10
138	Chargeâ€based separation of particles and cells with similar sizes via the wallâ€induced electrical lift. Electrophoresis, 2017, 38, 320-326.	2.4	10
139	Integrated Iontronic Circuits Based on Single Nanochannels. ACS Applied Materials & Interfaces, 2021, 13, 48208-48218.	8.0	10
140	Polyelectrolyte adsorption in single small nanochannel by layer-by-layer method. Journal of Colloid and Interface Science, 2020, 561, 1-10.	9.4	9
141	Nanoparticle and microorganism detection with a side-micron-orifice-based resistive pulse sensor. Analyst, The, 2020, 145, 5466-5474.	3.5	9
142	Synthesis of rod-like mesoporous silica with hexagonal appearance using sodium silicate as precursor. Colloid and Polymer Science, 2004, 282, 761-765.	2.1	8
143	Electrokinetic Motion of an Oil Droplet Attached to a Waterâ€“Air Interface from Below. Journal of Physical Chemistry B, 2018, 122, 1738-1746.	2.6	8
144	Detection of viability of micro-algae cells by optofluidic hologram pattern. Biomicrofluidics, 2018, 12, 024111.	2.4	8

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145	Translational velocity of a charged oil droplet close to a horizontal solid surface under an applied electric field. International Journal of Heat and Mass Transfer, 2019, 132, 322-330.	4.8	8
146	Electrokinetic detection and separation of living algae in a microfluidic chip: implication for shipâ€™s ballast water analysis. Environmental Science and Pollution Research, 2021, 28, 22853-22863.	5.3	8
147	Conductivity-difference-enhanced DC dielectrophoretic particle separation in a microfluidic chip. Analyst, The, 2022, 147, 1106-1116.	3.5	8
148	Bidirectional transfer of particles across liquid-liquid interface under electric pulse. Journal of Colloid and Interface Science, 2020, 560, 436-446.	9.4	7
149	Single Artificial Ion Channels with Tunable Ion Transport Based on the Surface Modification of pH-Responsive Polymers. ACS Applied Materials & Interfaces, 2022, 14, 27130-27139.	8.0	7
150	Effect of induced surface charge of metal particles on particle sizing by resistive pulse sensing technique. Journal of Colloid and Interface Science, 2014, 423, 20-24.	9.4	6
151	Coalescence of a Water Drop with an Airâ€“Liquid Interface: Electric Current Generation and Critical Micelle Concentration (CMC) Sensing Application. ACS Applied Materials & Interfaces, 2019, 11, 16981-16990.	8.0	6
152	Simultaneous and continuous particle separation and counting <i>via</i> localized DC-dielectrophoresis in a microfluidic chip. RSC Advances, 2021, 11, 3827-3833.	3.6	6
153	Electrokinetically-controlled RNA-DNA hybridization assay for foodborne pathogens. Mikrochimica Acta, 2012, 178, 381-387.	5.0	5
154	Thin liquid film between a floating oil droplet and a glass slide under DC electric field. Journal of Colloid and Interface Science, 2019, 534, 262-269.	9.4	5
155	Nonlinear electrokinetic motion of electrically induced Janus droplets in microchannels. Journal of Colloid and Interface Science, 2019, 538, 277-285.	9.4	4
156	A method to improve the resistive pulse sensing by modifying surface charge of nanochannels. Sensors and Actuators B: Chemical, 2021, 337, 129773.	7.8	4
157	Electrokinetic transportation and differentiation of copper and aluminum particles in oil with an oil-water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 641, 128397.	4.7	4
158	Neuraminidase as an enzymatic marker for detecting airborne Influenza virus and other viruses. Canadian Journal of Microbiology, 2017, 63, 119-128.	1.7	3
159	Electrokinetic motion of a micro oil droplet under a glass slide. Electrophoresis, 2019, 40, 1034-1040.	2.4	3
160	Electrically controllable cargo delivery with dextran-rich droplets. Journal of Colloid and Interface Science, 2021, 582, 102-111.	9.4	3
161	A MINIATURIZED SYSTEM FOR RAPID AND QUANTITATIVE DETERMINATION OF A COCAINE METABOLITE BY A HOMOGENEOUS ENZYME IMMUNOASSAY. Instrumentation Science and Technology, 2013, 41, 512-523.	1.8	2
162	Microfluidic effects of transporting signaling components in cell coculture chips. Microfluidics and Nanofluidics, 2009, 6, 99-107.	2.2	1

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163	Living algae detection with a PDMS-liquid chlorophyll fluorescence microfluidic chip filter and a smartphone. Analyst, The, 2022, 147, 3723-3731.	3.5	1