

# Mengqi Li

## List of Publications by Year in descending order

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22  
papers

302  
citations

759233

12  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Redistribution of mobile surface charges of an oil droplet in water in applied electric field. <i>Advances in Colloid and Interface Science</i> , 2016, 236, 142-151.	14.7	29
2	Capacitive detection of living microalgae in a microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 164-172.	7.8	27
3	Separation of Janus droplets and oil droplets in microchannels by wall-induced dielectrophoresis. <i>Journal of Chromatography A</i> , 2017, 1501, 151-160.	3.7	24
4	Focusing particles by induced charge electrokinetic flow in a microchannel. <i>Electrophoresis</i> , 2016, 37, 666-675.	2.4	21
5	Redistribution of charged aluminum nanoparticles on oil droplets in water in response to applied electrical field. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	16
6	Microvalve using electrokinetic motion of electrically induced Janus droplet. <i>Analytica Chimica Acta</i> , 2018, 1021, 85-94.	5.4	16
7	Size-based cell sorting with a resistive pulse sensor and an electromagnetic pump in a microfluidic chip. <i>Electrophoresis</i> , 2015, 36, 398-404.	2.4	15
8	Fabrication and electrokinetic motion of electrically anisotropic Janus droplets in microchannels. <i>Electrophoresis</i> , 2017, 38, 287-295.	2.4	15
9	Ionic Diode Based on an Asymmetric Shaped Carbon Black Nanoparticle Membrane. <i>Advanced Functional Materials</i> , 2021, 31, 2104341.	14.9	15
10	Electrokinetic motion of a spherical micro particle at an oil-water interface in microchannel. <i>Electrophoresis</i> , 2018, 39, 807-815.	2.4	14
11	Tunable particle/cell separation across aqueous two-phase system interface by electric pulse in microfluidics. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 23-34.	9.4	14
12	Automatic detecting and counting magnetic beads-labeled target cells from a suspension in a microfluidic chip. <i>Electrophoresis</i> , 2019, 40, 897-905.	2.4	13
13	Electrokinetic motion of an electrically induced Janus droplet in microchannels. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	12
14	Self-propulsion of aluminum particle-coated Janus droplet in alkaline solution. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 657-665.	9.4	12
15	A novel method for measuring zeta potentials of solid-liquid interfaces. <i>Analytica Chimica Acta</i> , 2015, 853, 689-695.	5.4	11
16	Vortices around Janus droplets under externally applied electrical field. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	11
17	Janus Droplets and Droplets with Multiple Heterogeneous Surface Strips Generated with Nanoparticles under Applied Electric Field. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8461-8472.	3.1	11
18	Conductivity-difference-enhanced DC dielectrophoretic particle separation in a microfluidic chip. <i>Analyst</i> , 2022, 147, 1106-1116.	3.5	8

#	ARTICLE	IF	CITATIONS
19	Bidirectional transfer of particles across liquid-liquid interface under electric pulse. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 436-446.	9.4	7
20	Nonlinear electrokinetic motion of electrically induced Janus droplets in microchannels. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 277-285.	9.4	4
21	Electrokinetic transportation and differentiation of copper and aluminum particles in oil with an oil-water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128397.	4.7	4
22	Electrically controllable cargo delivery with dextran-rich droplets. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 102-111.	9.4	3