Hao Lin

List of Publications by Citations

15 papers	409 citations	11 h-index	18 g-index
18 ext. papers	498 ext. citations	4.6 avg, IF	3.39 L-index

#	Paper	IF	Citations
15	Metastable states and wetting transition of submerged superhydrophobic structures. *Physical Review Letters*, **2014**, 112, 196101	7.4	144
14	Nanoscale characterization of PM2.5 airborne pollutants reveals high adhesiveness and aggregation capability of soot particles. *Scientific Reports*, **2015**, 5, 11232	4.9	49
13	Transport, resealing, and re-poration dynamics of two-pulse electroporation-mediated molecular delivery. *Biochimica Et Biophysica Acta - Biomembranes*, **2015**, 1848, 1706-14	3.8	36
12	Ellipsoidal Relaxation of Deformed Vesicles. *Physical Review Letters*, **2015**, 115, 128303	7.4	31
11	The effects of electroporation buffer composition on cell viability and electro-transfection efficiency. *Scientific Reports*, **2020**, 10, 3053	4.9	25
10	Morphology of gas cavities on patterned hydrophobic surfaces under reduced pressure. *Physics of Fluids*, **2015**, 27, 092003	4.4	24
9	Scaling relationship and optimization of double-pulse electroporation. *Biophysical Journal*, **2014**, 106, 801-12	2.9	20
8	A transient solution for vesicle electrodeformation and relaxation. *Physics of Fluids*, **2013**, 25, 071903	4.4	19
7	Finite sample effect in temperature gradient focusing. *Lab on A Chip*, **2008**, 8, 969-78	7.2	18
6	Coherent Timescales and Mechanical Structure of Multicellular Aggregates. *Biophysical Journal*, **2018**, 114, 2703-2716	2.9	14
5	Morphological bubble evolution induced by air diffusion on submerged hydrophobic structures. *Physics of Fluids*, **2017**, 29, 032001	4.4	12
4	Hydrodynamically controlled cell rotation in an electroporation microchip to circumferentially deliver molecules into single cells. *Microfluidics and Nanofluidics*, **2016**, 20, 1	2.8	11
3	Novel suction-based in vivo cutaneous DNA transfection platform. *Science Advances*, **2021**, 7, eabj0611	14.3	3
2	E and Gamma distributions in polygonal networks.. *Physical Review Research*, **2021**, 3,	3.9	2
1	Single-cell mechanical analysis and tension quantification via electrodeformation relaxation. *Physical Review E*, **2021**, 103, 032409	2.4	1