

# Hongjun Song

## List of Publications by Year in descending order

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13  
papers

412  
citations

1040056

9  
h-index

1281871

11  
g-index

14  
all docs

14  
docs citations

14  
times ranked

675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous-flow sorting of stem cells and differentiation products based on dielectrophoresis. Lab on A Chip, 2015, 15, 1320-1328.	6.0	145
2	A microfluidic impedance flow cytometer for identification of differentiation state of stem cells. Lab on A Chip, 2013, 13, 2300.	6.0	108
3	Chaotic mixing in microchannels via low frequency switching transverse electroosmotic flow generated on integrated microelectrodes. Lab on A Chip, 2010, 10, 734.	6.0	39
4	Cross-stream diffusion under pressure-driven flow in microchannels with arbitrary aspect ratios: a phase diagram study using a three-dimensional analytical model. Microfluidics and Nanofluidics, 2012, 12, 265-277.	2.2	31
5	Identification of mesenchymal stem cell differentiation state using dual-micropore microfluidic impedance flow cytometry. Analytical Methods, 2016, 8, 7437-7444.	2.7	22
6	Concurrent DNA preconcentration and separation in bipolar electrode-based microfluidic device. Analytical Methods, 2015, 7, 1273-1279.	2.7	18
7	Continuous-mode dielectrophoretic gating for highly efficient separation of analytes in surface micromachined microfluidic devices. Journal of Micromechanics and Microengineering, 2008, 18, 125013.	2.6	14
8	Scaling law for cross-stream diffusion in microchannels under combined electroosmotic and pressure driven flow. Microfluidics and Nanofluidics, 2013, 14, 371-382.	2.2	14
9	A semi-analytical approach using artificial neural network for dielectrophoresis generated by parallel electrodes. Journal of Electrostatics, 2010, 68, 49-56.	1.9	9
10	Numerical study of enhancing the mixing effect in microchannels via transverse electroosmotic flow by placing electrodes on top and bottom of the channel. Microsystem Technologies, 2011, 17, 1427-1437.	2.0	7
11	An Analytical Method for Dielectrophoresis and Traveling Wave Dielectrophoresis Generated by an n-Phase Interdigitated Parallel Electrode Array. Journal of Fluids Engineering, Transactions of the ASME, 2008, 130, .	1.5	4
12	The Design and Simulation for a Novel Electroosmotic Micromixer. , 2006, , 781.		1
13	Model Order Reduction (MOR). , 2015, , 2270-2282.		0