Wen-Jie Lan

List of Publications by Citations

19 papers	1,683 citations	18 h-index	19 g-index
19 ext. papers	1,840 ext. citations	10.8 avg, IF	4.6 L-index

#	Paper	IF	Citations
19	Nanoparticle transport in conical-shaped nanopores. *Analytical Chemistry*, **2011**, 83, 3840-7	7.8	188
18	Pressure-dependent ion current rectification in conical-shaped glass nanopores. *Journal of the American Chemical Society*, **2011**, 133, 13300-3	16.4	174
17	A Paper-Based "Pop-up" Electrochemical Device for Analysis of Beta-Hydroxybutyrate. *Analytical Chemistry*, **2016**, 88, 6326-33	7.8	120
16	Paper-based potentiometric ion sensing. *Analytical Chemistry*, **2014**, 86, 9548-53	7.8	117
15	Resistive-pulse analysis of nanoparticles. *Annual Review of Analytical Chemistry*, **2014**, 7, 513-35	12.5	115
14	Fabrication of Low-Cost Paper-Based Microfluidic Devices by Embossing or Cut-and-Stack Methods. *Chemistry of Materials*, **2014**, 26, 4230-4237	9.6	111
13	Voltage-Rectified Current and Fluid Flow in Conical Nanopores. *Accounts of Chemical Research*, **2016**, 49, 2605-2613	24.3	107
12	Designed post-self-assembly structural and functional modifications of a truncated tetrahedron. *Journal of the American Chemical Society*, **2011**, 133, 17045-55	16.4	105
11	Rectification of ion current in nanopipettes by external substrates. *ACS Nano*, **2013**, 7, 11272-11282	16.7	99
10	Effect of Surface Charge on the Resistive Pulse Waveshape during Particle Translocation through Glass Nanopores. *Journal of Physical Chemistry C*, **2014**, 118, 2726-2734	3.8	90
9	Paper-based electroanalytical devices with an integrated, stable reference electrode. *Lab on A Chip*, **2013**, 13, 4103-8	7.2	83
8	Post-self-assembly covalent chemistry of discrete multicomponent metallosupramolecular hexagonal prisms. *Journal of the American Chemical Society*, **2011**, 133, 10752-5	16.4	82
7	Pressure-Driven Nanoparticle Transport across Glass Membranes Containing a Conical-Shaped Nanopore. *Journal of Physical Chemistry C*, **2011**, 115, 18445-18452	3.8	81
6	Diffusional motion of a particle translocating through a nanopore. *ACS Nano*, **2012**, 6, 1757-65	16.7	54
5	Dispersibility, stabilization, and chemical stability of ultrathin tellurium nanowires in acetone: morphology change, crystallization, and transformation into TeO2 in different solvents. *Langmuir*, **2007**, 23, 3409-17	4	50
4	Electrical signature of the deformation and dehydration of microgels during translocation through nanopores. *Soft Matter*, **2011**, 7, 8035	3.6	42
3	Quartz nanopore membranes for suspended bilayer ion channel recordings. *Analytical Chemistry*, **2010**, 82, 7259-66	7.8	31

2	Tunable negative differential electrolyte resistance in a conical nanopore in glass. *ACS Nano*, **2012**, 6, 6507-14	16.7	30
1	Electrical Double-Layer Effects on Electron Transfer and Ion Transport at the Nanoscale **2015**, 29-70		4