

Wen-Jie Lan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5862642/wen-jie-lan-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A Paper-Based "Pop-up" Electrochemical Device for Analysis of Beta-Hydroxybutyrate. <i>Analytical Chemistry</i> , 2016 , 88, 6326-33	7.8	120
18	Voltage-Rectified Current and Fluid Flow in Conical Nanopores. <i>Accounts of Chemical Research</i> , 2016 , 49, 2605-2613	24.3	107
17	Electrical Double-Layer Effects on Electron Transfer and Ion Transport at the Nanoscale 2015 , 29-70		4
16	Effect of Surface Charge on the Resistive Pulse Waveshape during Particle Translocation through Glass Nanopores. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2726-2734	3.8	90
15	Resistive-pulse analysis of nanoparticles. <i>Annual Review of Analytical Chemistry</i> , 2014 , 7, 513-35	12.5	115
14	Paper-based potentiometric ion sensing. <i>Analytical Chemistry</i> , 2014 , 86, 9548-53	7.8	117
13	Fabrication of Low-Cost Paper-Based Microfluidic Devices by Embossing or Cut-and-Stack Methods. <i>Chemistry of Materials</i> , 2014 , 26, 4230-4237	9.6	111
12	Paper-based electroanalytical devices with an integrated, stable reference electrode. <i>Lab on A Chip</i> , 2013 , 13, 4103-8	7.2	83
11	Rectification of ion current in nanopipettes by external substrates. <i>ACS Nano</i> , 2013 , 7, 11272-11282	16.7	99
10	Tunable negative differential electrolyte resistance in a conical nanopore in glass. <i>ACS Nano</i> , 2012 , 6, 6507-14	16.7	30
9	Diffusional motion of a particle translocating through a nanopore. <i>ACS Nano</i> , 2012 , 6, 1757-65	16.7	54
8	Pressure-dependent ion current rectification in conical-shaped glass nanopores. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13300-3	16.4	174
7	Pressure-Driven Nanoparticle Transport across Glass Membranes Containing a Conical-Shaped Nanopore. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 18445-18452	3.8	81
6	Electrical signature of the deformation and dehydration of microgels during translocation through nanopores. <i>Soft Matter</i> , 2011 , 7, 8035	3.6	42
5	Nanoparticle transport in conical-shaped nanopores. <i>Analytical Chemistry</i> , 2011 , 83, 3840-7	7.8	188
4	Designed post-self-assembly structural and functional modifications of a truncated tetrahedron. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17045-55	16.4	105
3	Post-self-assembly covalent chemistry of discrete multicomponent metallocupramolecular hexagonal prisms. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10752-5	16.4	82

2	Quartz nanopore membranes for suspended bilayer ion channel recordings. <i>Analytical Chemistry</i> , 2010 , 82, 7259-66	7.8	31
1	Dispersibility, stabilization, and chemical stability of ultrathin tellurium nanowires in acetone: morphology change, crystallization, and transformation into TeO ₂ in different solvents. <i>Langmuir</i> , 2007 , 23, 3409-17	4	50