

## List of Publications by Citations

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

13 papers	273 citations	8 h-index	13 g-index
13 ext. papers	323 ext. citations	8.7 avg, IF	3.16 L-index

#	Paper	IF	Citations
13	Designing a polycationic probe for simultaneous enrichment and detection of microRNAs in a nanopore. <i>ACS Nano</i> , <b>2013</b> , 7, 3962-9	16.7	80
12	Nanopore electric snapshots of an RNA tertiary folding pathway. <i>Nature Communications</i> , <b>2017</b> , 8, 1458	17.4	38
11	Interference-Free Detection of Genetic Biomarkers Using Synthetic Dipole-Facilitated Nanopore Dielectrophoresis. <i>ACS Nano</i> , <b>2017</b> , 11, 1204-1213	16.7	33
10	Probing molecular pathways for DNA orientational trapping, unzipping and translocation in nanopores by using a tunable overhang sensor. <i>Nanoscale</i> , <b>2014</b> , 6, 11372-9	7.7	31
9	Remote Activation of a Nanopore for High-Performance Genetic Detection Using a pH Taxis-Mimicking Mechanism. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 13039-13043	7.8	28
8	The aerolysin nanopore: from peptidomic to genomic applications. <i>Nanoscale</i> , <b>2018</b> , 10, 13857-13866	7.7	21
7	Nanolock-Nanopore Facilitated Digital Diagnostics of Cancer Driver Mutation in Tumor Tissue. <i>ACS Sensors</i> , <b>2017</b> , 2, 975-981	9.2	16
6	Single Locked Nucleic Acid-Enhanced Nanopore Genetic Discrimination of Pathogenic Serotypes and Cancer Driver Mutations. <i>ACS Nano</i> , <b>2018</b> , 12, 4194-4205	16.7	14
5	Development of a recombinant ureolytic <i>Lactococcus lactis</i> for urea removal. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , <b>2009</b> , 37, 227-34		4
4	Tuning the tetraethylammonium sensitivity of potassium channel Kcv by subunit combination. <i>Journal of General Physiology</i> , <b>2012</b> , 139, 295-304	3.4	4
3	Nanopore single-molecule dielectrophoretic detection of cancer-derived microRNA biomarkers. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 6821-4	0.9	2
2	Polycationic Probe-Guided Nanopore Single-Molecule Counter for Selective miRNA Detection. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1632, 255-268	1.4	2
1	Single Locked Nucleic Acid-enhanced nanopore genetic discrimination of pathogenic serotypes and cancer driver mutations. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2018</b> , 2018, 4492-4495	0.9	