

# Liqin Zhang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4134917/liqin-zhang-publications-by-citations.pdf>

**Version:** 2024-04-27

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.

36

papers

2,722

citations

25

h-index

36

g-index

36

ext. papers

3,187

ext. citations

11.1

avg, IF

4.8

L-index

#	Paper	IF	Citations
36	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11916-11920	16.4	281
35	Aptasensor with Expanded Nucleotide Using DNA Nanotetrahedra for Electrochemical Detection of Cancerous Exosomes. <i>ACS Nano</i> , <b>2017</b> , 11, 3943-3949	16.7	264
34	A Nonenzymatic Hairpin DNA Cascade Reaction Provides High Signal Gain of mRNA Imaging inside Live Cells. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4900-3	16.4	234
33	In vitro selection with artificial expanded genetic information systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 1449-54	11.5	233
32	DNA "nano-claw": logic-based autonomous cancer targeting and therapy. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1256-9	16.4	176
31	DNA probes for monitoring dynamic and transient molecular encounters on live cell membranes. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 453-459	28.7	159
30	Evolution of functional six-nucleotide DNA. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6734-7	16.4	143
29	Molecular Recognition-Based DNA Nanoassemblies on the Surfaces of Nanosized Exosomes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5289-5292	16.4	134
28	Facile surface functionalization of hydrophobic magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 12552-5	16.4	124
27	Ionic Functionalization of Hydrophobic Colloidal Nanoparticles To Form Ionic Nanoparticles with Enzymelike Properties. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 14952-8	16.4	105
26	Molecular Elucidation of Disease Biomarkers at the Interface of Chemistry and Biology. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 2532-2540	16.4	89
25	Self-Assembled DNA Immunonanostructures as Multivalent CpG Nanoagents. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 24069-74	9.5	74
24	Thiol-ene click chemistry: a biocompatible way for orthogonal bioconjugation of colloidal nanoparticles. <i>Chemical Science</i> , <b>2017</b> , 8, 6182-6187	9.4	71
23	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. <i>Nanoscale</i> , <b>2016</b> , 8, 8600-6	7.7	66
22	Selective Imaging and Inactivation of Bacteria over Mammalian Cells by Imidazolium-Substituted Polythiophene. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 6389-6395	9.6	64
21	Aptamers against Cells Overexpressing Glypican 3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12372-5	16.4	60
20	A survey of advancements in nucleic acid-based logic gates and computing for applications in biotechnology and biomedicine. <i>Chemical Communications</i> , <b>2015</b> , 51, 3723-34	5.8	59

19	Engineering Aptamer with Enhanced Affinity by Triple Helix-Based Terminal Fixation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 17493-17497	16.4	42
18	Nuclease-resistant synthetic drug-DNA adducts: programmable drug-DNA conjugation for targeted anticancer drug delivery. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e169-e169	10.3	32
17	DNA Aptamer Based Nanodrugs: Molecular Engineering for Efficiency. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 2084-94	4.5	31
16	Enhanced Targeted Gene Transduction: AAV2 Vectors Conjugated to Multiple Aptamers via Reducible Disulfide Linkages. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2-5	16.4	30
15	DNA micelle flares: a study of the basic properties that contribute to enhanced stability and binding affinity in complex biological systems. <i>Chemical Science</i> , <b>2016</b> , 7, 6041-6049	9.4	30
14	Aptamer-based multifunctional ligand-modified UCNPs for targeted PDT and bioimaging. <i>Nanoscale</i> , <b>2018</b> , 10, 10986-10990	7.7	29
13	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12078-12082	3.6	29
12	An Aptamer-Nanotrain Assembled from Six-Letter DNA Delivers Doxorubicin Selectively to Liver Cancer Cells. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 663-668	16.4	26
11	Molecular Recognition of Human Liver Cancer Cells Using DNA Aptamers Generated via Cell-SELEX. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125863	3.7	25
10	Regulation of Protein Activity and Cellular Functions Mediated by Molecularly Evolved Nucleic Acids. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1621-1625	16.4	23
9	Development of a panel of DNA Aptamers with High Affinity for Pancreatic Ductal Adenocarcinoma. <i>Scientific Reports</i> , <b>2015</b> , 5, 16788	4.9	18
8	Aligner-mediated cleavage of nucleic acids and its application to isothermal exponential amplification. <i>Chemical Science</i> , <b>2018</b> , 9, 3050-3055	9.4	16
7	Engineering a customized nanodrug delivery system at the cellular level for targeted cancer therapy. <i>Science China Chemistry</i> , <b>2018</b> , 61, 497-504	7.9	15
6	Elucidating the cellular uptake mechanism of aptamer-functionalized graphene-isolated-Au-nanocrystals with dual-modal imaging. <i>Analyst</i> , <b>2016</b> , 141, 3337-42	5	12
5	Fabrication of Ultrathin Zn(OH) Nanosheets as Drug Carriers. <i>Nano Research</i> , <b>2016</b> , 9, 2520-2530	10	9
4	Aptamers against Cells Overexpressing Glypican 3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12560-12563	3.6	8
3	Regulation of Protein Activity and Cellular Functions Mediated by Molecularly Evolved Nucleic Acids. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1635-1639	3.6	5
2	An Aptamer-Nanotrain Assembled from Six-Letter DNA Delivers Doxorubicin Selectively to Liver Cancer Cells. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 673-678	3.6	4

- 1 Comprehensive Regression Model for Dissociation Equilibria of Cell-Specific Aptamers. *Analytical Chemistry*, **2018**, 90, 10487-10493 7.8 2