

# Liqin Zhang

## List of Publications by Year in Descending Order

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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.

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	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
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	Aptamer-based multifunctional ligand-modified UCNPs for targeted PDT and bioimaging. <i>Nanoscale</i> , <b>2018</b> , 10, 10986-10990	7.7	29
27	Comprehensive Regression Model for Dissociation Equilibria of Cell-Specific Aptamers. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 10487-10493	7.8	2
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	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
24	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
23	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
22	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
21	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12078-12082	3.6	29
20	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11916-11920	16.4	281

19	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
18	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
17	Fabrication of Ultrathin Zn(OH) Nanosheets as Drug Carriers. <i>Nano Research</i> , <b>2016</b> , 9, 2520-2530	10	9
16	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
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	Elucidating the cellular uptake mechanism of aptamer-functionalized graphene-isolated-Au-nanocrystals with dual-modal imaging. <i>Analyst, The</i> , <b>2016</b> , 141, 3337-42	5	12
13	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
12	Evolution of functional six-nucleotide DNA. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6734-7	16.4	143
11	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
10	Self-Assembled DNA Immunonanostructures as Multivalent CpG Nanoagents. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 24069-74	9.5	74
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	DNA Aptamer Based Nanodrugs: Molecular Engineering for Efficiency. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 2084-94	4.5	31
7	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
6	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
5	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
4	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
3	Facile surface functionalization of hydrophobic magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 12552-5	16.4	124
2	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

- 1 In vitro selection with artificial expanded genetic information systems. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 1449-54 11.5 233