Liqin Zhang

List of Publications by Year
in descending order

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36 papers	3,564 citations	201575 27 h-index	345118 36 g-index
36 all docs	36 docs citations	36 times ranked	4560 citing authors

#	Article	IF	Citations
1	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. Angewandte Chemie - International Edition, 2017, 56, 11916-11920.	7.2	390
2	Aptasensor with Expanded Nucleotide Using DNA Nanotetrahedra for Electrochemical Detection of Cancerous Exosomes. ACS Nano, 2017, 11, 3943-3949.	7.3	370
3	A Nonenzymatic Hairpin DNA Cascade Reaction Provides High Signal Gain of mRNA Imaging inside Live Cells. Journal of the American Chemical Society, 2015, 137, 4900-4903.	6.6	288
4	In vitro selection with artificial expanded genetic information systems. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1449-1454.	3.3	279
5	DNA probes for monitoring dynamic and transient molecular encounters on live cell membranes. Nature Nanotechnology, 2017, 12, 453-459.	15.6	226
6	DNA â€œNano-Clawâ€• Logic-Based Autonomous Cancer Targeting and Therapy. Journal of the American Chemical Society, 2014, 136, 1256-1259.	6.6	210
7	Evolution of Functional Six-Nucleotide DNA. Journal of the American Chemical Society, 2015, 137, 6734-6737.	6.6	185
8	Molecular Recognition-Based DNA Nanoassemblies on the Surfaces of Nanosized Exosomes. Journal of the American Chemical Society, 2017, 139, 5289-5292.	6.6	175
9	Facile Surface Functionalization of Hydrophobic Magnetic Nanoparticles. Journal of the American Chemical Society, 2014, 136, 12552-12555.	6.6	154
10	Ionic Functionalization of Hydrophobic Colloidal Nanoparticles To Form Ionic Nanoparticles with Enzymelike Properties. Journal of the American Chemical Society, 2015, 137, 14952-14958.	6.6	130
11	Molecular Elucidation of Disease Biomarkers at the Interface of Chemistry and Biology. Journal of the American Chemical Society, 2017, 139, 2532-2540.	6.6	119
12	Self-Assembled DNA Immunonanoflowers as Multivalent CpG Nanoagents. ACS Applied Materials & Interfaces, 2015, 7, 24069-24074.	4.0	101
13	Engineering Aptamer with Enhanced Affinity by Triple Helix-Based Terminal Fixation. Journal of the American Chemical Society, 2019, 141, 17493-17497.	6.6	90
14	Thiolâ€“ene click chemistry: a biocompatible way for orthogonal bioconjugation of colloidal nanoparticles. Chemical Science, 2017, 8, 6182-6187.	3.7	89
15	Aptamers against Cells Overexpressing Glypicanâ€…3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. Angewandte Chemie - International Edition, 2016, 55, 12372-12375.	7.2	78
16	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. Nanoscale, 2016, 8, 8600-8606.	2.8	78
17	Selective Imaging and Inactivation of Bacteria over Mammalian Cells by Imidazolium-Substituted Polythiophene. Chemistry of Materials, 2017, 29, 6389-6395.	3.2	77
18	A survey of advancements in nucleic acid-based logic gates and computing for applications in biotechnology and biomedicine. Chemical Communications, 2015, 51, 3723-3734.	2.2	67

#	Article	IF	Citations
19	An Aptamerâ€Nanotrain Assembled from Sixâ€Letter DNA Delivers Doxorubicin Selectively to Liver Cancer Cells. Angewandte Chemie - International Edition, 2020, 59, 663-668.	7.2	61
20	Enhanced Targeted Gene Transduction: AAV2 Vectors Conjugated to Multiple Aptamers via Reducible Disulfide Linkages. Journal of the American Chemical Society, 2018, 140, 2-5.	6.6	43
21	DNA micelle flares: a study of the basic properties that contribute to enhanced stability and binding affinity in complex biological systems. Chemical Science, 2016, 7, 6041-6049.	3.7	37
22	Regulation of Protein Activity and Cellular Functions Mediated by Molecularly Evolved Nucleic Acids. Angewandte Chemie - International Edition, 2019, 58, 1621-1625.	7.2	37
23	Aptamer-based multifunctional ligand-modified UCNPs for targeted PDT and bioimaging. Nanoscale, 2018, 10, 10986-10990.	2.8	36
24	DNA Aptamer Based Nanodrugs: Molecular Engineering for Efficiency. Chemistry - an Asian Journal, 2015, 10, 2084-2094.	1.7	35
25	Nuclease-resistant synthetic drug-DNA adducts: programmable drug-DNA conjugation for targeted anticancer drug delivery. NPG Asia Materials, 2015, 7, e169-e169.	3.8	34
26	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. Angewandte Chemie, 2017, 129, 12078-12082.	1.6	34
27	Molecular Recognition of Human Liver Cancer Cells Using DNA Aptamers Generated via Cell-SELEX. PLoS ONE, 2015, 10, e0125863.	1.1	29
28	Development of a panel of DNA Aptamers with High Affinity for Pancreatic Ductal Adenocarcinoma. Scientific Reports, 2015, 5, 16788.	1.6	22
29	Aligner-mediated cleavage of nucleic acids and its application to isothermal exponential amplification. Chemical Science, 2018, 9, 3050-3055.	3.7	19
30	Elucidating the cellular uptake mechanism of aptamer-functionalized graphene-isolated-Au-nanocrystals with dual-modal imaging. Analyst, The, 2016, 141, 3337-3342.	1.7	15
31	Engineering a customized nanodrug delivery system at the cellular level for targeted cancer therapy. Science China Chemistry, 2018, 61, 497-504.	4.2	15
32	Fabrication of ultrathin Zn(OH)2 nanosheets as drug carriers. Nano Research, 2016, 9, 2520-2530.	5.8	12
33	Aptamers against Cells Overexpressing Glypicanâ€...3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. Angewandte Chemie, 2016, 128, 12560-12563.	1.6	9
34	An Aptamerâ€Nanotrain Assembled from Sixâ€Letter DNA Delivers Doxorubicin Selectively to Liver Cancer Cells. Angewandte Chemie, 2020, 132, 673-678.	1.6	8
35	Comprehensive Regression Model for Dissociation Equilibria of Cell-Specific Aptamers. Analytical Chemistry, 2018, 90, 10487-10493.	3.2	6
36	Regulation of Protein Activity and Cellular Functions Mediated by Molecularly Evolved Nucleic Acids. Angewandte Chemie, 2019, 131, 1635-1639.	1.6	6