Cheng Cui

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.

51 papers	3,108 citations	29 h-index	52 g-index
52 ext. papers	3,938 ext. citations	11.8 avg, IF	5.24 L-index

#	Paper	IF	Citations
51	Self-assembly of DNA nanohydrogels with controllable size and stimuli-responsive property for targeted gene regulation therapy. *Journal of the American Chemical Society*, **2015**, 137, 1412-5	16.4	304
50	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. *Angewandte Chemie - International Edition*, **2017**, 56, 11916-11920	16.4	281
49	Aptasensor with Expanded Nucleotide Using DNA Nanotetrahedra for Electrochemical Detection of Cancerous Exosomes. *ACS Nano*, **2017**, 11, 3943-3949	16.7	264
48	A Nonenzymatic Hairpin DNA Cascade Reaction Provides High Signal Gain of mRNA Imaging inside Live Cells. *Journal of the American Chemical Society*, **2015**, 137, 4900-3	16.4	234
47	DNA "nano-claw": logic-based autonomous cancer targeting and therapy. *Journal of the American Chemical Society*, **2014**, 136, 1256-9	16.4	176
46	Metal-Organic Framework Nanocarriers for Drug Delivery in Biomedical Applications. *Nano-Micro Letters*, **2020**, 12, 103	19.5	137
45	Molecular Recognition-Based DNA Nanoassemblies on the Surfaces of Nanosized Exosomes. *Journal of the American Chemical Society*, **2017**, 139, 5289-5292	16.4	134
44	Cell membrane-anchored biosensors for real-time monitoring of the cellular microenvironment. *Journal of the American Chemical Society*, **2014**, 136, 13090-3	16.4	106
43	Ionic Functionalization of Hydrophobic Colloidal Nanoparticles To Form Ionic Nanoparticles with Enzymelike Properties. *Journal of the American Chemical Society*, **2015**, 137, 14952-8	16.4	105
42	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. *Angewandte Chemie - International Edition*, **2018**, 57, 17048-17052	16.4	92
41	ZrMOF nanoparticles as quenchers to conjugate DNA aptamers for target-induced bioimaging and photodynamic therapy. *Chemical Science*, **2018**, 9, 7505-7509	9.4	75
40	Self-Assembled DNA Immunonanoflowers as Multivalent CpG Nanoagents. *ACS Applied Materials & Interfaces*, **2015**, 7, 24069-74	9.5	74
39	Thiol-ene click chemistry: a biocompatible way for orthogonal bioconjugation of colloidal nanoparticles. *Chemical Science*, **2017**, 8, 6182-6187	9.4	71
38	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. *Nanoscale*, **2016**, 8, 8600-6	7.7	66
37	Bioapplications of Cell-SELEX-Generated Aptamers in Cancer Diagnostics, Therapeutics, Theranostics and Biomarker Discovery: A Comprehensive Review. *Cancers*, **2018**, 10,	6.6	65
36	Nucleic Acid Aptamers for Molecular Diagnostics and Therapeutics: Advances and Perspectives. *Angewandte Chemie - International Edition*, **2021**, 60, 2221-2231	16.4	65
35	Construction of self-powered cytosensing device based on ZnO nanodisks@g-CN quantum dots and application in the detection of CCRF-CEM cells. *Nano Energy*, **2018**, 46, 101-109	17.1	63

34	Modulating Aptamer Specificity with pH-Responsive DNA Bonds. *Journal of the American Chemical Society*, **2018**, 140, 13335-13339	16.4	63
33	A programmable polymer library that enables the construction of stimuli-responsive nanocarriers containing logic gates. *Nature Chemistry*, **2020**, 12, 381-390	17.6	62
32	Aptamers against Cells Overexpressing Glypican 3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. *Angewandte Chemie - International Edition*, **2016**, 55, 12372-5	16.4	60
31	Facile approach to prepare HSA-templated MnO nanosheets as oxidase mimic for colorimetric detection of glutathione. *Talanta*, **2019**, 195, 40-45	6.2	53
30	Elucidation and Structural Modeling of CD71 as a Molecular Target for Cell-Specific Aptamer Binding. *Journal of the American Chemical Society*, **2019**, 141, 10760-10769	16.4	48
29	Using modified aptamers for site specific protein-aptamer conjugations. *Chemical Science*, **2016**, 7, 2157-2161	9.4	41
28	Enhanced in Vivo Blood-Brain Barrier Penetration by Circular Tau-Transferrin Receptor Bifunctional Aptamer for Tauopathy Therapy. *Journal of the American Chemical Society*, **2020**, 142, 3862-3872	16.4	36
27	DNA-based artificial molecular signaling system that mimics basic elements of reception and response. *Nature Communications*, **2020**, 11, 978	17.4	35
26	Aptamer Displacement Reaction from Live-Cell Surfaces and Its Applications. *Journal of the American Chemical Society*, **2019**, 141, 17174-17179	16.4	33
25	Circular Bispecific Aptamer-Mediated Artificial Intercellular Recognition for Targeted T Cell Immunotherapy. *ACS Nano*, **2020**, 14, 9562-9571	16.7	32
24	Enhanced Targeted Gene Transduction: AAV2 Vectors Conjugated to Multiple Aptamers via Reducible Disulfide Linkages. *Journal of the American Chemical Society*, **2018**, 140, 2-5	16.4	30
23	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	9.4	30
22	Aptamer-based multifunctional ligand-modified UCNPs for targeted PDT and bioimaging. *Nanoscale*, **2018**, 10, 10986-10990	7.7	29
21	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. *Angewandte Chemie*, **2017**, 129, 12078-12082	3.6	29
20	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. *Angewandte Chemie - International Edition*, **2017**, 56, 11954-11957	16.4	27
19	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. *Angewandte Chemie - International Edition*, **2018**, 57, 11589-11593	16.4	24
18	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. *Angewandte Chemie*, **2018**, 130, 17294-17298	3.6	23
17	Lipid-oligonucleotide conjugates for bioapplications. *National Science Review*, **2020**, 7, 1933-1953	10.8	18

16	Visible Light-Driven Self-Powered Device Based on a Straddling Nano-Heterojunction and Bio-Application for the Quantitation of Exosomal RNA. *ACS Nano*, **2019**, 13, 1817-1827	16.7	15
15	Aptamer-Directed Protein-Specific Multiple Modifications of Membrane Glycoproteins on Living Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 37845-37850	9.5	15
14	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. *Angewandte Chemie*, **2017**, 129, 12116-12119	3.6	13
13	Transducing Complex Biomolecular Interactions by Temperature-Output Artificial DNA Signaling Networks. *Journal of the American Chemical Society*, **2020**, 142, 14234-14239	16.4	13
12	Functional Aptamer-Embedded Nanomaterials for Diagnostics and Therapeutics. *ACS Applied Materials & Interfaces*, **2021**, 13, 9542-9560	9.5	12
11	Molecular domino reactor built by automated modular synthesis for cancer treatment. *Theranostics* , **2020**, 10, 4030-4041	12.1	9
10	Aptamers against Cells Overexpressing Glypican 3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. *Angewandte Chemie*, **2016**, 128, 12560-12563	3.6	8
9	Cross-Linked Aptamer□lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. *Angewandte Chemie*, **2018**, 130, 11763-11767	3.6	6
8	A bispecific circular aptamer tethering a built-in universal molecular tag for functional protein delivery. *Chemical Science*, **2020**, 11, 9648-9654	9.4	5
7	Logic-Gated Cell-Derived Nanovesicles via DNA-Based Smart Recognition Module. *ACS Applied Materials & Interfaces*, **2021**, 13, 30397-30403	9.5	5
6	Precise Deposition of Polydopamine on Cancer Cell Membrane as Artificial Receptor for Targeted Drug Delivery. *IScience*, **2020**, 23, 101750	6.1	4
5	Enhancing the Nucleolytic Resistance and Bioactivity of Functional Nucleic Acids by Diverse Nanostructures through in Situ Polymerization-Induced Self-assembly. *ChemBioChem*, **2021**, 22, 754-759	3.8	4
4	Engineering G-quadruplex aptamer to modulate its binding specificity. *National Science Review*, **2021**, 8, nwaa202	10.8	4
3	Nucleic Acid Aptamers for Molecular Diagnostics and Therapeutics: Advances and Perspectives. *Angewandte Chemie*, **2021**, 133, 2249-2259	3.6	3
2	A microRNA-21-responsive doxorubicin-releasing sticky-flare for synergistic anticancer with silencing of microRNA and chemotherapy. *Science China Chemistry*, **2021**, 64, 1009-1019	7.9	2
1	Plasmon Coupling in DNA-Assembled Silver Nanoclusters. *Journal of the American Chemical Society*, **2021**, 143, 14573-14580	16.4	2