

Cheng Cui

List of Publications by Year in descending order

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52
papers

4,737
citations

117453

34
h-index

174990

52
g-index

52
all docs

52
docs citations

52
times ranked

5600
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly of DNA Nanohydrogels with Controllable Size and Stimuli-Responsive Property for Targeted Gene Regulation Therapy. <i>Journal of the American Chemical Society</i> , 2015, 137, 1412-1415.	6.6	406
2	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11916-11920.	7.2	390
3	Aptasensor with Expanded Nucleotide Using DNA Nanotetrahedra for Electrochemical Detection of Cancerous Exosomes. <i>ACS Nano</i> , 2017, 11, 3943-3949.	7.3	370
4	Metal-Organic Framework Nanocarriers for Drug Delivery in Biomedical Applications. <i>Nano-Micro Letters</i> , 2020, 12, 103.	14.4	363
5	A Nonenzymatic Hairpin DNA Cascade Reaction Provides High Signal Gain of mRNA Imaging inside Live Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 4900-4903.	6.6	288
6	Nucleic Acid Aptamers for Molecular Diagnostics and Therapeutics: Advances and Perspectives. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2221-2231.	7.2	221
7	DNA Nano-Claw Logic-Based Autonomous Cancer Targeting and Therapy. <i>Journal of the American Chemical Society</i> , 2014, 136, 1256-1259.	6.6	210
8	Molecular Recognition-Based DNA Nanoassemblies on the Surfaces of Nanosized Exosomes. <i>Journal of the American Chemical Society</i> , 2017, 139, 5289-5292.	6.6	175
9	Cell Membrane-Anchored Biosensors for Real-Time Monitoring of the Cellular Microenvironment. <i>Journal of the American Chemical Society</i> , 2014, 136, 13090-13093.	6.6	142
10	Ionic Functionalization of Hydrophobic Colloidal Nanoparticles To Form Ionic Nanoparticles with Enzymelike Properties. <i>Journal of the American Chemical Society</i> , 2015, 137, 14952-14958.	6.6	130
11	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17048-17052.	7.2	122
12	A programmable polymer library that enables the construction of stimuli-responsive nanocarriers containing logic gates. <i>Nature Chemistry</i> , 2020, 12, 381-390.	6.6	122
13	ZrMOF nanoparticles as quenchers to conjugate DNA aptamers for target-induced bioimaging and photodynamic therapy. <i>Chemical Science</i> , 2018, 9, 7505-7509.	3.7	110
14	Elucidation and Structural Modeling of CD71 as a Molecular Target for Cell-Specific Aptamer Binding. <i>Journal of the American Chemical Society</i> , 2019, 141, 10760-10769.	6.6	106
15	Self-Assembled DNA Immunonanoflowers as Multivalent CpG Nanoagents. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24069-24074.	4.0	101
16	Modulating Aptamer Specificity with pH-Responsive DNA Bonds. <i>Journal of the American Chemical Society</i> , 2018, 140, 13335-13339.	6.6	97
17	Thiol-ene click chemistry: a biocompatible way for orthogonal bioconjugation of colloidal nanoparticles. <i>Chemical Science</i> , 2017, 8, 6182-6187.	3.7	89
18	Bioapplications of Cell-SELEX-Generated Aptamers in Cancer Diagnostics, Therapeutics, Theranostics and Biomarker Discovery: A Comprehensive Review. <i>Cancers</i> , 2018, 10, 47.	1.7	85

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19	Aptamers against Cells Overexpressing Glypican-3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12372-12375.	7.2	78
20	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. <i>Nanoscale</i> , 2016, 8, 8600-8606.	2.8	78
21	Construction of self-powered cytosensing device based on ZnO nanodisks@g-C3N4 quantum dots and application in the detection of CCRF-CEM cells. <i>Nano Energy</i> , 2018, 46, 101-109.	8.2	78
22	Facile approach to prepare HSA-templated MnO ₂ nanosheets as oxidase mimic for colorimetric detection of glutathione. <i>Talanta</i> , 2019, 195, 40-45.	2.9	75
23	DNA-based artificial molecular signaling system that mimics basic elements of reception and response. <i>Nature Communications</i> , 2020, 11, 978.	5.8	72
24	Functional Aptamer-Embedded Nanomaterials for Diagnostics and Therapeutics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9542-9560.	4.0	66
25	Circular Bispecific Aptamer-Mediated Artificial Intercellular Recognition for Targeted T Cell Immunotherapy. <i>ACS Nano</i> , 2020, 14, 9562-9571.	7.3	65
26	Enhanced in Vivo Blood-Brain Barrier Penetration by Circular Tau-Transferrin Receptor Bifunctional Aptamer for Tauopathy Therapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 3862-3872.	6.6	64
27	Aptamer Displacement Reaction from Live-Cell Surfaces and Its Applications. <i>Journal of the American Chemical Society</i> , 2019, 141, 17174-17179.	6.6	51
28	Using modified aptamers for site specific protein-aptamer conjugations. <i>Chemical Science</i> , 2016, 7, 2157-2161.	3.7	46
29	Enhanced Targeted Gene Transduction: AAV2 Vectors Conjugated to Multiple Aptamers via Reducible Disulfide Linkages. <i>Journal of the American Chemical Society</i> , 2018, 140, 2-5.	6.6	43
30	Lipid-oligonucleotide conjugates for bioapplications. <i>National Science Review</i> , 2020, 7, 1933-1953.	4.6	43
31	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> , 2016, 7, 6041-6049.	3.7	37
32	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11954-11957.	7.2	37
33	Aptamer-based multifunctional ligand-modified UCNPs for targeted PDT and bioimaging. <i>Nanoscale</i> , 2018, 10, 10986-10990.	2.8	36
34	Transducing Complex Biomolecular Interactions by Temperature-Output Artificial DNA Signaling Networks. <i>Journal of the American Chemical Society</i> , 2020, 142, 14234-14239.	6.6	36
35	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. <i>Angewandte Chemie</i> , 2017, 129, 12078-12082.	1.6	34
36	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11589-11593.	7.2	33

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37	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. <i>Angewandte Chemie</i> , 2018, 130, 17294-17298.	1.6	31
38	Visible Light-Driven Self-Powered Device Based on a Straddling Nano-Heterojunction and Bio-Application for the Quantitation of Exosomal RNA. <i>ACS Nano</i> , 2019, 13, 1817-1827.	7.3	24
39	Aptamer-Directed Protein-Specific Multiple Modifications of Membrane Glycoproteins on Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37845-37850.	4.0	22
40	Logic-Gated Cell-Derived Nanovesicles via DNA-Based Smart Recognition Module. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30397-30403.	4.0	19
41	Multibranching Linear DNA-Controlled Assembly of Silver Nanoclusters and Their Applications in Aptamer-Based Cell Recognition. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14953-14960.	4.0	19
42	Recognition-Enhanced Reaction Enables Site-Selective Bioconjugation to Proteins on Live Cell Surfaces. <i>Angewandte Chemie</i> , 2017, 129, 12116-12119.	1.6	17
43	Nucleic Acid Aptamers for Molecular Diagnostics and Therapeutics: Advances and Perspectives. <i>Angewandte Chemie</i> , 2021, 133, 2249-2259.	1.6	16
44	Molecular domino reactor built by automated modular synthesis for cancer treatment. <i>Theranostics</i> , 2020, 10, 4030-4041.	4.6	14
45	Enhancing the Nucleolytic Resistance and Bioactivity of Functional Nucleic Acids by Diverse Nanostructures through <i>in Situ</i> Polymerization-Induced Self-Assembly. <i>ChemBioChem</i> , 2021, 22, 754-759.	1.3	14
46	A bispecific circular aptamer tethering a built-in universal molecular tag for functional protein delivery. <i>Chemical Science</i> , 2020, 11, 9648-9654.	3.7	13
47	Plasmon Coupling in DNA-Assembled Silver Nanoclusters. <i>Journal of the American Chemical Society</i> , 2021, 143, 14573-14580.	6.6	13
48	Aptamers against Cells Overexpressing Glypican-3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. <i>Angewandte Chemie</i> , 2016, 128, 12560-12563.	1.6	9
49	Precise Deposition of Polydopamine on Cancer Cell Membrane as Artificial Receptor for Targeted Drug Delivery. <i>IScience</i> , 2020, 23, 101750.	1.9	9
50	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target Cell Recognition. <i>Angewandte Chemie</i> , 2018, 130, 11763-11767.	1.6	8
51	Engineering G-quadruplex aptamer to modulate its binding specificity. <i>National Science Review</i> , 2021, 8, nwaa202.	4.6	5
52	A microRNA-21-responsive doxorubicin-releasing sticky-flare for synergistic anticancer with silencing of microRNA and chemotherapy. <i>Science China Chemistry</i> , 2021, 64, 1009-1019.	4.2	5