

Cuichen Wu

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.

35
papers

3,004
citations

30
h-index

36
g-index

36
ext. papers

3,357
ext. citations

12.5
avg, IF

4.68
L-index

#	Paper	IF	Citations
35	An aptamer cross-linked hydrogel as a colorimetric platform for visual detection. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1052-6	16.4	304
34	Rationally designed molecular beacons for bioanalytical and biomedical applications. <i>Chemical Society Reviews</i> , 2015 , 44, 3036-55	58.5	262
33	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, 4900-3	16.4	234
32	Building a multifunctional aptamer-based DNA nanoassembly for targeted cancer therapy. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18644-50	16.4	190
31	Gold-Coated FeO Nanoroses with Five Unique Functions for Cancer Cell Targeting, Imaging and Therapy. <i>Advanced Functional Materials</i> , 2014 , 24, 1772-1780	15.6	158
30	A targeted, self-delivered, and photocontrolled molecular beacon for mRNA detection in living cells. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12952-5	16.4	153
29	Molecular Recognition-Based DNA Nanoassemblies on the Surfaces of Nanosized Exosomes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5289-5292	16.4	134
28	Engineering of switchable aptamer micelle flares for molecular imaging in living cells. <i>ACS Nano</i> , 2013 , 7, 5724-31	16.7	110
27	Cell membrane-anchored biosensors for real-time monitoring of the cellular microenvironment. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13090-3	16.4	106
26	Ionic Functionalization of Hydrophobic Colloidal Nanoparticles To Form Ionic Nanoparticles with Enzymelike Properties. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14952-8	16.4	105
25	Preparation and biomedical applications of programmable and multifunctional DNA nanoflowers. <i>Nature Protocols</i> , 2015 , 10, 1508-24	18.8	101
24	A logical molecular circuit for programmable and autonomous regulation of protein activity using DNA aptamer-protein interactions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20797-804	16.4	94
23	A general excimer signaling approach for aptamer sensors. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 2232-7	11.8	81
22	Silver nanoparticle gated, mesoporous silica coated gold nanorods (AuNR@MS@AgNPs): low premature release and multifunctional cancer theranostic platform. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6211-9	9.5	80
21	Engineering a cell-surface aptamer circuit for targeted and amplified photodynamic cancer therapy. <i>ACS Nano</i> , 2013 , 7, 2312-9	16.7	78
20	Self-Assembled DNA Immunonanoflowers as Multivalent CpG Nanoagents. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24069-74	9.5	74
19	Self-assembled Multifunctional DNA Nanoflowers for the Circumvention of Multidrug Resistance in Targeted Anticancer Drug Delivery. <i>Nano Research</i> , 2015 , 8, 3447-3460	10	68

18	A cascade reaction network mimicking the basic functional steps of adaptive immune response. <i>Nature Chemistry</i> , 2015 , 7, 835-41	17.6	66
17	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. <i>Nanoscale</i> , 2016 , 8, 8600-6	7.7	66
16	A survey of advancements in nucleic acid-based logic gates and computing for applications in biotechnology and biomedicine. <i>Chemical Communications</i> , 2015 , 51, 3723-34	5.8	59
15	Biostable L-DNAzyme for Sensing of Metal Ions in Biological Systems. <i>Analytical Chemistry</i> , 2016 , 88, 1850-5	7.8	57
14	An Aptamer Cross-Linked Hydrogel as a Colorimetric Platform for Visual Detection. <i>Angewandte Chemie</i> , 2010 , 122, 1070-1074	3.6	53
13	Two-Photon Sensing and Imaging of Endogenous Biological Cyanide in Plant Tissues Using Graphene Quantum Dot/Gold Nanoparticle Conjugate. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19509-15	9.5	47
12	DLISA: A DNAzyme-Based ELISA for Protein Enzyme-Free Immunoassay of Multiple Analytes. <i>Analytical Chemistry</i> , 2015 , 87, 7746-53	7.8	43
11	Pyrene excimer nucleic acid probes for biomolecule signaling. <i>Journal of Biomedical Nanotechnology</i> , 2009 , 5, 495-504	4	36
10	Nucleic acid based logical systems. <i>Chemistry - A European Journal</i> , 2014 , 20, 5866-73	4.8	34
9	Constructing Smart Protocells with Built-In DNA Computational Core to Eliminate Exogenous Challenge. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6912-6920	16.4	31
8	DNA Aptamer Based Nanodrugs: Molecular Engineering for Efficiency. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2084-94	4.5	31
7	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	16.4	30
6	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	9.4	30
5	Molecular Recognition of Human Liver Cancer Cells Using DNA Aptamers Generated via Cell-SELEX. <i>PLoS ONE</i> , 2015 , 10, e0125863	3.7	25
4	Enzymatic cleavage and mass amplification strategy for small molecule detection using aptamer-based fluorescence polarization biosensor. <i>Analytica Chimica Acta</i> , 2015 , 879, 91-6	6.6	24
3	Aligner-mediated cleavage of nucleic acids and its application to isothermal exponential amplification. <i>Chemical Science</i> , 2018 , 9, 3050-3055	9.4	16
2	Electrochemical detection of type 2 diabetes mellitus-related SNP via DNA-mediated growth of silver nanoparticles on single walled carbon nanotubes. <i>Chemical Communications</i> , 2015 , 51, 15704-7	5.8	15
1	Fabrication of Ultrathin Zn(OH) Nanosheets as Drug Carriers. <i>Nano Research</i> , 2016 , 9, 2520-2530	10	9

