

Cuichen Wu

List of Publications by Year in descending order

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34
papers

3,615
citations

159358

30
h-index

360668

35
g-index

36
all docs

36
docs citations

36
times ranked

4922
citing authors

#	ARTICLE	IF	CITATIONS
1	An Aptamer Cross-Linked Hydrogel as a Colorimetric Platform for Visual Detection. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1052-1056.	7.2	328
2	Rationally designed molecular beacons for bioanalytical and biomedical applications. <i>Chemical Society Reviews</i> , 2015, 44, 3036-3055.	18.7	306
3	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
4	Building a Multifunctional Aptamer-Based DNA Nanoassembly for Targeted Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2013, 135, 18644-18650.	6.6	229
5	A Targeted, Self-Delivered, and Photocontrolled Molecular Beacon for mRNA Detection in Living Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 12952-12955.	6.6	185
6	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
7	Gold-Coated Fe ₃ O ₄ Nanoroses with Five Unique Functions for Cancer Cell Targeting, Imaging, and Therapy. <i>Advanced Functional Materials</i> , 2014, 24, 1772-1780.	7.8	172
8	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
9	Preparation and biomedical applications of programmable and multifunctional DNA nanoflowers. <i>Nature Protocols</i> , 2015, 10, 1508-1524.	5.5	141
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	Engineering of Switchable Aptamer Micelle Flares for Molecular Imaging in Living Cells. <i>ACS Nano</i> , 2013, 7, 5724-5731.	7.3	124
12	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, 20797-20804.	6.6	111
13	Self-Assembled DNA Immunonanoflowers as Multivalent CpG Nanoagents. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24069-24074.	4.0	101
14	Self-assembled multifunctional DNA nanoflowers for the circumvention of multidrug resistance in targeted anticancer drug delivery. <i>Nano Research</i> , 2015, 8, 3447-3460.	5.8	95
15	A cascade reaction network mimicking the basic functional steps of adaptive immune response. <i>Nature Chemistry</i> , 2015, 7, 835-841.	6.6	95
16	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, 6211-6219.	4.0	92
17	Engineering a Cell-Surface Aptamer Circuit for Targeted and Amplified Photodynamic Cancer Therapy. <i>ACS Nano</i> , 2013, 7, 2312-2319.	7.3	90
18	A general excimer signaling approach for aptamer sensors. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2232-2237.	5.3	87

#	ARTICLE	IF	CITATIONS
19	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
20	A survey of advancements in nucleic acid-based logic gates and computing for applications in biotechnology and biomedicine. <i>Chemical Communications</i> , 2015, 51, 3723-3734.	2.2	67
21	Biostable L-DNAzyme for Sensing of Metal Ions in Biological Systems. <i>Analytical Chemistry</i> , 2016, 88, 1850-1855.	3.2	65
22	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, 19509-19515.	4.0	59
23	DLISA: A DNAzyme-Based ELISA for Protein Enzyme-Free Immunoassay of Multiple Analytes. <i>Analytical Chemistry</i> , 2015, 87, 7746-7753.	3.2	56
24	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
25	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.	6.6	43
26	Pyrene Excimer Nucleic Acid Probes for Biomolecule Signaling. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 495-504.	0.5	42
27	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
28	Nucleic Acid Based Logical Systems. <i>Chemistry - A European Journal</i> , 2014, 20, 5866-5873.	1.7	36
29	DNA Aptamer Based Nanodrugs: Molecular Engineering for Efficiency. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2084-2094.	1.7	35
30	Enzymatic cleavage and mass amplification strategy for small molecule detection using aptamer-based fluorescence polarization biosensor. <i>Analytica Chimica Acta</i> , 2015, 879, 91-96.	2.6	29
31	Molecular Recognition of Human Liver Cancer Cells Using DNA Aptamers Generated via Cell-SELEX. <i>PLoS ONE</i> , 2015, 10, e0125863.	1.1	29
32	Aligner-mediated cleavage of nucleic acids and its application to isothermal exponential amplification. <i>Chemical Science</i> , 2018, 9, 3050-3055.	3.7	19
33	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, 15704-15707.	2.2	15
34	Fabrication of ultrathin Zn(OH) ₂ nanosheets as drug carriers. <i>Nano Research</i> , 2016, 9, 2520-2530.	5.8	12