

Da Han

List of Publications by Year in descending order

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44
papers

2,040
citations

331259

21
h-index

243296

44
g-index

47
all docs

47
docs citations

47
times ranked

2051
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA probes for monitoring dynamic and transient molecular encounters on live cell membranes. <i>Nature Nanotechnology</i> , 2017, 12, 453-459.	15.6	226
2	Construction of a Multiple-Aptamer-Based DNA Logic Device on Live Cell Membranes via Associative Toehold Activation for Accurate Cancer Cell Identification. <i>Journal of the American Chemical Society</i> , 2019, 141, 12738-12743.	6.6	217
3	Cancer diagnosis with DNA molecular computation. <i>Nature Nanotechnology</i> , 2020, 15, 709-715.	15.6	142
4	Molecular Identification of Tumor-Derived Extracellular Vesicles Using Thermophoresis-Mediated DNA Computation. <i>Journal of the American Chemical Society</i> , 2021, 143, 1290-1295.	6.6	127
5	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
6	Rapid One-Pot Detection of SARS-CoV-2 Based on a Lateral Flow Assay in Clinical Samples. <i>Analytical Chemistry</i> , 2021, 93, 3325-3330.	3.2	97
7	A cascade reaction network mimicking the basic functional steps of adaptive immune response. <i>Nature Chemistry</i> , 2015, 7, 835-841.	6.6	95
8	Engineering a Cell-Surface Aptamer Circuit for Targeted and Amplified Photodynamic Cancer Therapy. <i>ACS Nano</i> , 2013, 7, 2312-2319.	7.3	90
9	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	4.2	88
10	Bispecific Aptamer Chimeras Enable Targeted Protein Degradation on Cell Membranes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11267-11271.	7.2	87
11	Highly Specific, Single-Step Cancer Cell Isolation with Multi-Aptamer-Mediated Proximity Ligation on Live Cell Membranes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23564-23568.	7.2	78
12	Engineering DNA aptamers for novel analytical and biomedical applications. <i>Chemical Science</i> , 2011, 2, 1003.	3.7	68
13	An exonuclease III and graphene oxide-aided assay for DNA detection. <i>Biosensors and Bioelectronics</i> , 2012, 35, 475-478.	5.3	60
14	Molecular engineering of photoresponsive three-dimensional DNA nanostructures. <i>Chemical Communications</i> , 2011, 47, 4670.	2.2	56
15	Protocells programmed through artificial reaction networks. <i>Chemical Science</i> , 2020, 11, 631-642.	3.7	45
16	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
17	Nucleic Acid Based Logical Systems. <i>Chemistry - A European Journal</i> , 2014, 20, 5866-5873.	1.7	36
18	Nuclease-resistant synthetic drug-DNA adducts: programmable drug-DNA conjugation for targeted anticancer drug delivery. <i>NPG Asia Materials</i> , 2015, 7, e169-e169.	3.8	34

#	ARTICLE	IF	CITATIONS
19	An Intelligent DNA Nanorobot for Autonomous Anticoagulation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17697-17704.	7.2	34
20	Molecular Transport through a Biomimetic DNA Channel on Live Cell Membranes. <i>ACS Nano</i> , 2020, 14, 14616-14626.	7.3	24
21	DNA-Guided Assemblies toward Nanoelectronic Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 2702-2722.	2.3	24
22	DNA Computing: Principle, Construction, and Applications in Intelligent Diagnostics. <i>Small Structures</i> , 2021, 2, 2100051.	6.9	24
23	Aligner-mediated cleavage of nucleic acids and its application to isothermal exponential amplification. <i>Chemical Science</i> , 2018, 9, 3050-3055.	3.7	19
24	Endocytic Pathways and Intracellular Transport of Aptamer-Drug Conjugates in Live Cells Monitored by Single-Particle Tracking. <i>Analytical Chemistry</i> , 2019, 91, 13818-13823.	3.2	16
25	Dynamic colloidal nanoparticle assembly triggered by aptamer-receptor interactions on live cell membranes. <i>Chemical Science</i> , 2019, 10, 7466-7471.	3.7	15
26	Bispecific Aptamer Chimeras Enable Targeted Protein Degradation on Cell Membranes. <i>Angewandte Chemie</i> , 2021, 133, 11367-11371.	1.6	15
27	CRISPR propels a smart hydrogel. <i>Science</i> , 2019, 365, 754-755.	6.0	14
28	Highly Specific, Single-Step Cancer Cell Isolation with Multi-Aptamer-Mediated Proximity Ligation on Live Cell Membranes. <i>Angewandte Chemie</i> , 2020, 132, 23770-23774.	1.6	14
29	Construction of Bispecific Aptamer-Drug Conjugate by a Hybrid Chemical and Biological Approach. <i>Bioconjugate Chemistry</i> , 2020, 31, 1289-1294.	1.8	14
30	Programmable manipulation of oligonucleotide-albumin interaction for elongated circulation time. <i>Nucleic Acids Research</i> , 2022, 50, 3083-3095.	6.5	14
31	An Intelligent DNA Nanorobot for Autonomous Anticoagulation. <i>Angewandte Chemie</i> , 2020, 132, 17850-17857.	1.6	12
32	Logical Analysis of Multiple Single-Nucleotide Polymorphisms with Programmable DNA Molecular Computation for Clinical Diagnostics. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	11
33	Programmable and Site-Specific Patterning on DNA Origami Templates with Heterogeneous Condensation of Silver and Silica. <i>Small</i> , 2021, 17, e2103877.	5.2	10
34	Aligner-Mediated Cleavage-Based Isothermal Amplification for SARS-CoV-2 RNA Detection. <i>ACS Applied Bio Materials</i> , 2021, 4, 3805-3810.	2.3	8
35	DNA Nanotechnology on Live Cell Membranes. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 203-210.	1.3	5
36	NMR solution structures of d(GGCCTG) _n repeats associated with spinocerebellar ataxia type 36. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 607-615.	3.6	4

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37	Improving early detection of cancers by profiling extracellular vesicles. <i>Expert Review of Proteomics</i> , 2019, 16, 545-547.	1.3	3
38	DNA-Guided Programmable Protein Assemblies for Biomedical Applications. <i>ChemPlusChem</i> , 2021, 86, 284-290.	1.3	2
39	Spatial Reasoning and Context-Aware Attention Network for Skeleton-Based Action Recognition. , 2021, , .		2
40	Nucleic Acid Nanotechnology for Diagnostics and Therapeutics in Acute Kidney Injury. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3093.	1.8	2
41	Targeting Pathogenic DNA and RNA Repeats: A Conceptual Therapeutic Way for Repeat Expansion Diseases. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	2
42	Obtaining Precise Molecular Information via DNA Nanotechnology. <i>Membranes</i> , 2021, 11, 683.	1.4	1
43	Programmed Assembly of DNA Templates by Silver Nanowires. <i>ChemPlusChem</i> , 2022, 87, e202100478.	1.3	1
44	Logical Analysis of Multiple Single-Nucleotide Polymorphisms with Programmable DNA Molecular Computation for Clinical Diagnostics. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1