

Dingran Chang

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,236
citations

471509

17
h-index

454955

30
g-index

35
all docs

35
docs citations

35
times ranked

970
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery and Biosensing Applications of Diverse RNA-Cleaving DNazymes. <i>Accounts of Chemical Research</i> , 2017, 50, 2273-2283.	15.6	228
2	A DNAzyme Feedback Amplification Strategy for Biosensing. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6142-6146.	13.8	126
3	Target-Induced Catalytic Assembly of Y-Shaped DNA and Its Application for In-Situ Imaging of MicroRNAs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9739-9743.	13.8	118
4	A Catalytic DNA Activated by a Specific Strain of Bacterial Pathogen. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2431-2434.	13.8	91
5	Integrating programmable DNazymes with electrical readout for rapid and culture-free bacterial detection using a handheld platform. <i>Nature Chemistry</i> , 2021, 13, 895-901.	13.6	69
6	Ribbon of DNA Lattice on Gold Nanoparticles for Selective Drug Delivery to Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14584-14592.	13.8	56
7	Functional Nucleic Acids for Pathogenic Bacteria Detection. <i>Accounts of Chemical Research</i> , 2021, 54, 3540-3549.	15.6	54
8	In-Vitro Selection of a DNA Aptamer Targeting Degraded Protein Fragments for Biosensing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7706-7710.	13.8	49
9	In vitro selection of RNA-cleaving DNazymes for bacterial detection. <i>Methods</i> , 2016, 106, 66-75.	3.8	44
10	Aptamers from random sequence space: Accomplishments, gaps and future considerations. <i>Analytica Chimica Acta</i> , 2022, 1196, 339511.	5.4	44
11	Integrating Deoxyribozymes into Colorimetric Sensing Platforms. <i>Sensors</i> , 2016, 16, 2061.	3.8	41
12	Rapid and Specific Imaging of Extracellular Signaling Molecule Adenosine Triphosphate with a Self-Phosphorylating DNAzyme. <i>Journal of the American Chemical Society</i> , 2021, 143, 15084-15090.	13.7	38
13	A DNAzyme Feedback Amplification Strategy for Biosensing. <i>Angewandte Chemie</i> , 2017, 129, 6238-6242.	2.0	37
14	A DNA Nanoflower-Assisted Separation-Free Nucleic Acid Detection Platform with a Commercial Pregnancy Test Strip. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24823-24827.	13.8	37
15	Integrating graphene oxide, functional DNA and nucleic-acid-manipulating strategies for amplified biosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 74, 120-129.	11.4	33
16	Evolution of a highly functional circular DNA aptamer in serum. <i>Nucleic Acids Research</i> , 2020, 48, 10680-10690.	14.5	24
17	A Catalytic DNA Activated by a Specific Strain of Bacterial Pathogen. <i>Angewandte Chemie</i> , 2016, 128, 2477-2480.	2.0	23
18	Target-Induced Catalytic Assembly of Y-Shaped DNA and Its Application for In-Situ Imaging of MicroRNAs. <i>Angewandte Chemie</i> , 2018, 130, 9887-9891.	2.0	17

#	ARTICLE	IF	CITATIONS
19	A Highly Specific DNA Aptamer for RNase H2 from <i>Clostridium difficile</i> . ACS Applied Materials & Interfaces, 2021, 13, 9464-9471.	8.0	17
20	Detection of DNA Amplicons of Polymerase Chain Reaction Using Litmus Test. Scientific Reports, 2017, 7, 3110.	3.3	15
21	A DNA Barcode-Based Aptasensor Enables Rapid Testing of Porcine Epidemic Diarrhea Viruses in Swine Saliva Using Electrochemical Readout. Angewandte Chemie - International Edition, 2022, 61, .	13.8	14
22	An Unintentional Discovery of a Fluorogenic DNA Probe for Ribonuclease A. ChemBioChem, 2020, 21, 464-468.	2.6	12
23	In Vitro Selection of DNA Aptamers that Binds Geniposide. Molecules, 2017, 22, 383.	3.8	9
24	Highly Sensitive RNA-Cleaving DNAzyme Sensors from Surface-to-Surface Product Enrichment. ChemBioChem, 2020, 21, 632-637.	2.6	8
25	Optical biosensors utilizing graphene and functional DNA molecules. Journal of Materials Research, 2017, 32, 2973-2983.	2.6	7
26	In Vitro Selection of a DNA Aptamer Targeting Degraded Protein Fragments for Biosensing. Angewandte Chemie, 2020, 132, 7780-7784.	2.0	6
27	Ribbon of DNA Lattice on Gold Nanoparticles for Selective Drug Delivery to Cancer Cells. Angewandte Chemie, 2020, 132, 14692-14700.	2.0	5
28	A DNA Barcode-Based Aptasensor Enables Rapid Testing of Porcine Epidemic Diarrhea Viruses in Swine Saliva Using Electrochemical Readout. Angewandte Chemie, 2022, 134, .	2.0	5
29	A Syringe-Based DNAzyme Sensor for Bacterial Detection. Analysis & Sensing, 2021, 1, 95-100.	2.0	4
30	Colorimetric Detection of Bacteria Using Litmus Test. Journal of Visualized Experiments, 2016, , .	0.3	3
31	A DNA Nanoflower Assisted Separation-Free Nucleic Acid Detection Platform with Commercial Pregnancy Test Strip. Angewandte Chemie, 0, , .	2.0	2
32	In Vitro Selection of a DNA Aptamer Targeting Degraded Protein Fragments for Biosensing (Angew. Chem. 20/2020). Angewandte Chemie, 2020, 132, 8042-8042.	2.0	0