

Jimmy Gu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,081
citations

516710

16
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

887
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A Universal DNA Aptamer that Recognizes Spike Proteins of Diverse SARS-CoV-2 Variants of Concern. Chemistry - A European Journal, 2022, 28, . | 3.3 | 30 |
| 2 | A Universal DNA Aptamer that Recognizes Spike Proteins of Diverse SARS-CoV-2 Variants of Concern. Chemistry - A European Journal, 2022, 28, e202200524. | 3.3 | 9 |
| 3 | Investigation of discordant SARS-CoV-2 RT-PCR results using minimally processed saliva. Scientific Reports, 2022, 12, 2806. | 3.3 | 7 |
| 4 | Aptamers for SARS-CoV-2: Isolation, Characterization, and Diagnostic and Therapeutic Developments. Analysis & Sensing, 2022, 2, . | 2.0 | 17 |
| 5 | 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 |
| 6 | Selection and Characterization of an RNA-Cleaving DNAzyme Activated by <i>Legionella pneumophila</i> . Angewandte Chemie - International Edition, 2021, 60, 4782-4788. | 13.8 | 32 |
| 7 | Selection and Characterization of an RNA-Cleaving DNAzyme Activated by <i>Legionella pneumophila</i> . Angewandte Chemie, 2021, 133, 4832-4838. | 2.0 | 23 |
| 8 | A Highly Specific DNA Aptamer for RNase H2 from <i>Clostridium difficile</i> . ACS Applied Materials & Interfaces, 2021, 13, 9464-9471. | 8.0 | 17 |
| 9 | Diverse high-affinity DNA aptamers for wild-type and B.1.1.7 SARS-CoV-2 spike proteins from a pre-structured DNA library. Nucleic Acids Research, 2021, 49, 7267-7279. | 14.5 | 77 |
| 10 | High-Affinity Dimeric Aptamers Enable the Rapid Electrochemical Detection of Wild-Type and B.1.1.7 SARS-CoV-2 in Unprocessed Saliva. Angewandte Chemie, 2021, 133, 24468-24476. | 2.0 | 21 |
| 11 | High-Affinity Dimeric Aptamers Enable the Rapid Electrochemical Detection of Wild-Type and B.1.1.7 SARS-CoV-2 in Unprocessed Saliva. Angewandte Chemie - International Edition, 2021, 60, 24266-24274. | 13.8 | 101 |
| 12 | Evolution of a highly functional circular DNA aptamer in serum. Nucleic Acids Research, 2020, 48, 10680-10690. | 14.5 | 24 |
| 13 | In Vitro Selection of New DNA Aptamers for Human Vascular Endothelial Growth Factor 165. ChemBioChem, 2020, 21, 2029-2036. | 2.6 | 4 |
| 14 | A DNAzyme-Based Colorimetric Paper Sensor for <i>Helicobacter pylori</i> . Angewandte Chemie, 2019, 131, 10012-10016. | 2.0 | 29 |
| 15 | A DNAzyme-Based Colorimetric Paper Sensor for <i>Helicobacter pylori</i> . Angewandte Chemie - International Edition, 2019, 58, 9907-9911. | 13.8 | 115 |
| 16 | A DNAzyme Feedback Amplification Strategy for Biosensing. Angewandte Chemie, 2017, 129, 6238-6242. | 2.0 | 37 |
| 17 | A DNAzyme Feedback Amplification Strategy for Biosensing. Angewandte Chemie - International Edition, 2017, 56, 6142-6146. | 13.8 | 126 |
| 18 | Titelbild: Target-Induced and Equipment-Free DNA Amplification with a Simple Paper Device (Angew.) Tj ETQq0 0,0 rgBT /Qverlock 10 | | |

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|----|--|------|-----------|
| 19 | Target-Induced and Equipment-Free DNA Amplification with a Simple Paper Device. <i>Angewandte Chemie</i> , 2016, 128, 2759-2763. | 2.0 | 38 |
| 20 | Programming a topologically constrained DNA nanostructure into a sensor. <i>Nature Communications</i> , 2016, 7, 12074. | 12.8 | 67 |
| 21 | Target-Induced and Equipment-Free DNA Amplification with a Simple Paper Device. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2709-2713. | 13.8 | 113 |
| 22 | Evolution of an Enzyme from a Noncatalytic Nucleic Acid Sequence. <i>Scientific Reports</i> , 2015, 5, 11405. | 3.3 | 15 |
| 23 | Optimal DNA Templates for Rolling Circle Amplification Revealed by In Vitro Selection. <i>Chemistry - A European Journal</i> , 2015, 21, 8069-8074. | 3.3 | 25 |
| 24 | Sequence Mutation and Structural Alteration Transform a Noncatalytic DNA Sequence into an Efficient RNA-Cleaving DNAzyme. <i>Journal of Molecular Evolution</i> , 2015, 81, 245-253. | 1.8 | 9 |
| 25 | In vitro selection of small RNA-cleaving deoxyribozymes that cleave pyrimidine-pyrimidine junctions. <i>Nucleic Acids Research</i> , 2008, 36, 4768-4777. | 14.5 | 47 |
| 26 | Sequence-function relationships provide new insight into the cleavage site selectivity of the 8-17 RNA-cleaving deoxyribozyme. <i>Nucleic Acids Research</i> , 2008, 36, 1472-1481. | 14.5 | 92 |