

Tingjian Chen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,121
citations

686830

13
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

1293
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcription, Reverse Transcription, and Amplification of Backbone-Modified Nucleic Acids with Laboratory-Evolved Thermophilic DNA Polymerases. <i>Current Protocols</i> , 2021, 1, e188.	1.3	2
2	Application of Nucleic Acid Frameworks in the Construction of Nanostructures and Cascade Biocatalysts: Recent Progress and Perspective. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 792489.	2.0	10
3	Selection of Aptamers with Large Hydrophobic ϵ -Substituents. <i>Journal of the American Chemical Society</i> , 2020, 142, 2125-2128.	6.6	19
4	Selection of ϵ -Fluoro-Modified Aptamers with Optimized Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 2892-2895.	6.6	66
5	A Method for the Exponential Synthesis of RNA: Introducing the Polymerase Chain Transcription (PCT) Reaction. <i>Biochemistry</i> , 2017, 56, 5227-5228.	1.2	4
6	Evolved polymerases facilitate selection of fully ϵ -OMe-modified aptamers. <i>Chemical Science</i> , 2017, 8, 8179-8182.	3.7	37
7	Enzymatic Synthesis, Amplification, and Application of DNA with a Functionalized Backbone. <i>Angewandte Chemie</i> , 2017, 129, 14234-14239.	1.6	5
8	Enzymatic Synthesis, Amplification, and Application of DNA with a Functionalized Backbone. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14046-14051.	7.2	22
9	Polymerase Chain Transcription: Exponential Synthesis of RNA and Modified RNA. <i>Journal of the American Chemical Society</i> , 2017, 139, 9949-9954.	6.6	22
10	Evolution of thermophilic DNA polymerases for the recognition and amplification of C ¹ -modified DNA. <i>Nature Chemistry</i> , 2016, 8, 556-562.	6.6	109
11	The expanding world of DNA and RNA. <i>Current Opinion in Chemical Biology</i> , 2016, 34, 80-87.	2.8	58
12	Adaptive Mutations Alter Antibody Structure and Dynamics during Affinity Maturation. <i>Biochemistry</i> , 2015, 54, 2085-2093.	1.2	37
13	A semi-synthetic organism with an expanded genetic alphabet. <i>Nature</i> , 2014, 509, 385-388.	13.7	513
14	Directed polymerase evolution. <i>FEBS Letters</i> , 2014, 588, 219-229.	1.3	57
15	Significant Rewiring of the Transcriptome and Proteome of an Escherichia coli Strain Harboring a Tailored Exogenous Global Regulator IrrE. <i>PLoS ONE</i> , 2012, 7, e37126.	1.1	22
16	Laboratory-Evolved Mutants of an Exogenous Global Regulator, IrrE from Deinococcus radiodurans, Enhance Stress Tolerances of Escherichia coli. <i>PLoS ONE</i> , 2011, 6, e16228.	1.1	67
17	Random dissection to select for protein split sites and its application in protein fragment complementation. <i>Protein Science</i> , 2009, 18, 399-409.	3.1	14
18	An in vivo, label-free quick assay for xylose transport in Escherichia coli. <i>Analytical Biochemistry</i> , 2009, 390, 63-67.	1.1	10

#	ARTICLE	IF	CITATIONS
19	An evolved xylose transporter from <i>Zymomonas mobilis</i> enhances sugar transport in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2009, 8, 66.	1.9	47