Tingjian Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4530104/publications.pdf

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19	1,121	686830 13	794141 19
papers	citations	h-index	g-index

19	19	19	1293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A semi-synthetic organism with an expanded genetic alphabet. Nature, 2014, 509, 385-388.	13.7	513
2	Evolution of thermophilic DNA polymerases for the recognition and amplification of C2Ê¹-modified DNA. Nature Chemistry, 2016, 8, 556-562.	6.6	109
3	Laboratory-Evolved Mutants of an Exogenous Global Regulator, IrrE from Deinococcus radiodurans, Enhance Stress Tolerances of Escherichia coli. PLoS ONE, 2011, 6, e16228.	1.1	67
4	Selection of 2â€²-Fluoro-Modified Aptamers with Optimized Properties. Journal of the American Chemical Society, 2017, 139, 2892-2895.	6.6	66
5	The expanding world of DNA and RNA. Current Opinion in Chemical Biology, 2016, 34, 80-87.	2.8	58
6	Directed polymerase evolution. FEBS Letters, 2014, 588, 219-229.	1.3	57
7	An evolved xylose transporter from Zymomonas mobilis enhances sugar transport in Escherichia coli. Microbial Cell Factories, 2009, 8, 66.	1.9	47
8	Adaptive Mutations Alter Antibody Structure and Dynamics during Affinity Maturation. Biochemistry, 2015, 54, 2085-2093.	1.2	37
9	Evolved polymerases facilitate selection of fully 2â€²-OMe-modified aptamers. Chemical Science, 2017, 8, 8179-8182.	3.7	37
10	Significant Rewiring of the Transcriptome and Proteome of an Escherichia coli Strain Harboring a Tailored Exogenous Global Regulator IrrE. PLoS ONE, 2012, 7, e37126.	1.1	22
11	Enzymatic Synthesis, Amplification, and Application of DNA with a Functionalized Backbone. Angewandte Chemie - International Edition, 2017, 56, 14046-14051.	7.2	22
12	Polymerase Chain Transcription: Exponential Synthesis of RNA and Modified RNA. Journal of the American Chemical Society, 2017, 139, 9949-9954.	6.6	22
13	Selection of Aptamers with Large Hydrophobic 2â€²-Substituents. Journal of the American Chemical Society, 2020, 142, 2125-2128.	6.6	19
14	Random dissection to select for protein split sites and its application in protein fragment complementation. Protein Science, 2009, 18, 399-409.	3.1	14
15	An in vivo , label-free quick assay for xylose transport in Escherichia coli. Analytical Biochemistry, 2009, 390, 63-67.	1.1	10
16	Application of Nucleic Acid Frameworks in the Construction of Nanostructures and Cascade Biocatalysts: Recent Progress and Perspective. Frontiers in Bioengineering and Biotechnology, 2021, 9, 792489.	2.0	10
17	Enzymatic Synthesis, Amplification, and Application of DNA with a Functionalized Backbone. Angewandte Chemie, 2017, 129, 14234-14239.	1.6	5
18	A Method for the Exponential Synthesis of RNA: Introducing the Polymerase Chain Transcription (PCT) Reaction. Biochemistry, 2017, 56, 5227-5228.	1.2	4

#	Article	IF	Citations
19	Transcription, Reverse Transcription, and Amplification of Backboneâ€Modified Nucleic Acids with Laboratoryâ€Evolved Thermophilic DNA Polymerases. Current Protocols, 2021, 1, e188.	1.3	2