

Kazuyuki Takai

List of Publications by Year in descending order

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28
papers

339
citations

1040056

9
h-index

839539

18
g-index

28
all docs

28
docs citations

28
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of 5-substituents of tRNA wobble uridines in the recognition of purine-ending codons. <i>Nucleic Acids Research</i> , 2003, 31, 6383-6391.	14.5	104
2	Sequence-specific inhibition of a transcription factor by circular dumbbell DNA oligonucleotides. <i>FEBS Letters</i> , 1999, 461, 136-140.	2.8	41
3	A single uridine modification at the wobble position of an artificial tRNA enhances wobbling in an <i>Escherichia coli</i> cell-free translation system. <i>FEBS Letters</i> , 1999, 447, 1-4.	2.8	25
4	Effects of anticodon 2â€²-O-methylations on tRNA codon recognition in an <i>Escherichia coli</i> cell-free translation. <i>Rna</i> , 2000, 6, 680-686.	3.5	25
5	Specific inhibition of influenza virus RNA polymerase and nucleoprotein gene expression by circular dumbbell RNA/DNA chimeric oligonucleotides containing antisense phosphodiester oligonucleotides. <i>FEBS Letters</i> , 1998, 425, 91-96.	2.8	24
6	In Vitro Codon-Reading Specificities of Unmodified tRNA Molecules with Different Anticodons on the Sequence Background of <i>Escherichia coli</i> tRNA ^{Ser1} . <i>Biochemical and Biophysical Research Communications</i> , 1999, 257, 662-667.	2.1	16
7	Inhibition of HIV-1 replication by a two-strand system (FTFOs) targeted to the polypurine tract. <i>FEBS Letters</i> , 1999, 456, 186-190.	2.8	12
8	Inhibition of Influenza Virus Replication by Phosphorothioate and Liposomally Endocapsulated Oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1998, 17, 471-478.	1.1	10
9	Classification of the possible pairs between the first anticodon and the third codon positions based on a simple model assuming two geometries with which the pairing effectively potentiates the decoding complex. <i>Journal of Theoretical Biology</i> , 2006, 242, 564-580.	1.7	10
10	pH-independent inhibition of restriction endonuclease cleavage via triple helix formation by oligonucleotides containing 8-oxo-2â€²-deoxyadenosine. <i>FEBS Letters</i> , 1994, 355, 11-14.	2.8	9
11	Knocking out a specific tRNA species within unfractionated <i>Escherichia coli</i> tRNA by using antisense (complementary) oligodeoxyribonucleotides. <i>FEBS Letters</i> , 1998, 440, 273-276.	2.8	9
12	Inhibition of Restriction Endonuclease Cleavage by Triple Helix Formation with RNA and 2â€²-O-Methyl RNA Oligonucleotides Containing 8-Oxo-adenosine in Place of Cytidine. <i>Biochemistry</i> , 1999, 38, 6570-6575.	2.5	9
13	In Vitro and In Vivo Anti-influenza A Virus Activity of Antisense Oligonucleotides. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1685-1688.	0.5	8
14	Kinetic characterization of substrate-binding sites of thermostable tRNA methyltransferase (TrmB). <i>Journal of Biochemistry</i> , 2018, 163, 133-142.	1.7	8
15	Characterization of redundant tRNAs with CAU and UAU anticodons in <i>Lactobacillus plantarum</i> . <i>Journal of Biochemistry</i> , 2018, 163, 233-241.	1.7	7
16	Antisense Oligodeoxynucleotide Complementary to CXCR4 mRNA Block Replication of HIV-1 in COS Cells. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1705-1708.	0.5	5
17	CodHonEditor: Spreadsheets for Codon Optimization and Editing of Protein Coding Sequences. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2016, 35, 223-232.	1.1	4
18	Antisense Phosphorothioate Oligonucleotides Targeted to the Human Chemokine Receptor CXCR4. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1709-1719.	1.1	3

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19	Inhibition of Reverse Transcriptase-Mediated cDNA Synthesis by Antisense Oligonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 1145-1148.	1.1	2
20	EFFECTIVE SUPPRESSION OF HIV-1 GENE EXPRESSION BY A MAMMALIAN tRNA 3' PROCESSING ENDORIBONUCLEASE AND EXTERNAL GUIDE SEQUENCE OLIGOZYMES. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 719-722.	1.1	2
21	SfiNX: a method for assembly of protein coding sequences with high success rates. Biotechnology Letters, 2016, 38, 773-778.	2.2	2
22	Inhibition of Restriction Enzyme Ksp 632-I Via Triple Helix Formation by Phosphorothioate Oligonucleotides. Nucleosides & Nucleotides, 1994, 13, 1617-1626.	0.5	1
23	Properties and Anti-HIV Activity of Nicked Dumbbell Oligonucleotides. Nucleosides & Nucleotides, 1996, 15, 519-529.	0.5	1
24	Purification of Plant Translation Factors for Reconstitution of Protein Synthesis. , 2008, , .		1
25	Recognition of tRNA Ile with a UAU anticodon by isoleucyl-tRNA synthetase in lactic acid bacteria. FEBS Journal, 2022, , .	4.7	1
26	Anti-Influenza Virus Activities of Nicked and Circular Dumbbell RNA/DNA Chimeric Oligonucleotides. Nucleosides & Nucleotides, 1997, 16, 1713-1716.	0.5	0
27	Translational resistivity/conductivity of coding sequences during exponential growth of Escherichia coli. Journal of Theoretical Biology, 2017, 413, 66-71.	1.7	0
28	The uridine to pseudouridine modification at the wobble position of eukaryotic isoleucine tRNA species is unlikely to induce mistranslation. Nucleosides, Nucleotides and Nucleic Acids, 2022, 41, 137-153.	1.1	0