

Ramesh Gupta

List of Publications by Year in descending order

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30
papers

1,174
citations

471061

17
h-index

525886

27
g-index

30
all docs

30
docs citations

30
times ranked

751
citing authors

#	ARTICLE	IF	CITATIONS
1	Mammalian nuclear TRUB1, mitochondrial TRUB2, and cytoplasmic PUS10 produce conserved pseudouridine 55 in different sets of tRNA. <i>Rna</i> , 2021, 27, 66-79.	1.6	15
2	The presence of the ACA box in archaeal H/ACA guide RNAs promotes atypical pseudouridylation. <i>Rna</i> , 2020, 26, 396-418.	1.6	5
3	Modular High Field Quadrupole Design for Electron-Ion Collider. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.1	0
4	The human ortholog of archaeal Pus10 produces pseudouridine 54 in select tRNAs where its recognition sequence contains a modified residue. <i>Rna</i> , 2019, 25, 336-351.	1.6	15
5	Evolution of Eukaryal and Archaeal Pseudouridine Synthase Pus10. <i>Journal of Molecular Evolution</i> , 2018, 86, 77-89.	0.8	18
6	Reciprocal amplification of caspase-3 activity by nuclear export of a putative human RNA-modifying protein, PUS10 during TRAIL-induced apoptosis. <i>Cell Death and Disease</i> , 2017, 8, e3093-e3093.	2.7	38
7	Structure-function relationships of archaeal Cbf5 during in vivo RNA-guided pseudouridylation. <i>Rna</i> , 2016, 22, 1604-1619.	1.6	5
8	Role of forefinger and thumb loops in production of $\hat{5}4$ and $\hat{5}5$ in tRNAs by archaeal Pus10. <i>Rna</i> , 2013, 19, 1279-1294.	1.6	14
9	The archaeal COG1901/DUF358 SPOUT-methyltransferase members, together with pseudouridine synthase Pus10, catalyze the formation of 1-methylpseudouridine at position 54 of tRNA. <i>Rna</i> , 2012, 18, 421-433.	1.6	36
10	2'-O-methylation of the wobble residue of elongator pre-tRNA ^{Met} in <i>Haloferax volcanii</i> is guided by a box C/D RNA containing unique features. <i>RNA Biology</i> , 2011, 8, 782-791.	1.5	14
11	Pseudouridine formation in archaeal RNAs: The case of <i>Haloferax volcanii</i> . <i>Rna</i> , 2011, 17, 1367-1380.	1.6	40
12	Dynamic guide-target interactions contribute to sequential 2'-O-methylation by a unique archaeal dual guide box C/D sRNP. <i>Rna</i> , 2008, 14, 1411-1423.	1.6	14
13	Box C/D RNA-Guided 2'-O Methylations and the Intron of tRNA Trp Are Not Essential for the Viability of <i>Haloferax volcanii</i> . <i>Journal of Bacteriology</i> , 2008, 190, 7308-7313.	1.0	10
14	Archaeal Pus10 proteins can produce both pseudouridine 54 and 55 in tRNA. <i>Rna</i> , 2008, 14, 2521-2527.	1.6	41
15	Differential Roles of Archaeal Box H/ACA Proteins in Guide RNA-Dependent and Independent Pseudouridine Formation. <i>RNA Biology</i> , 2007, 4, 101-109.	1.5	27
16	Modular Design and Modular Program for High Gradient Quadrupoles. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 1273-1276.	1.1	1
17	Sequential 2'-O-Methylation of Archaeal Pre-tRNA ^{Trp} Nucleotides Is Guided by the Intron-encoded but trans-Acting Box C/D Ribonucleoprotein of Pre-tRNA. <i>Journal of Biological Chemistry</i> , 2004, 279, 47661-47671.	1.6	68
18	Two reactions of <i>Haloferax volcanii</i> RNA splicing enzymes: Joining of exons and circularization of introns. <i>Rna</i> , 2003, 9, 319-330.	1.6	71

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19	Junction phosphate is derived from the precursor in the tRNA spliced by the archaeon <i>Haloferax volcanii</i> cell extract. <i>Rna</i> , 2000, 6, 1019-1030.	1.6	34
20	RNA Splicing Ligase Activity in the Archaeon <i>Haloferax volcanii</i> . <i>Biochemical and Biophysical Research Communications</i> , 1997, 237, 588-594.	1.0	19
21	Ribonucleic Acid Modification in Microorganisms. <i>ACS Symposium Series</i> , 1993, , 147-158.	0.5	0
22	Structure determination of two new amino acid-containing derivatives of adenosine from tRNA of thermophilic bacteria and archaea. <i>Nucleic Acids Research</i> , 1992, 20, 5607-5615.	6.5	38
23	Presence of an intron in elongator methionine-tRNA of <i>Halobacterium volcanii</i> . <i>Canadian Journal of Microbiology</i> , 1989, 35, 189-194.	0.8	21
24	Structure determination of a new fluorescent tricyclic nucleoside from archaeobacterial tRNA. <i>Nucleic Acids Research</i> , 1987, 15, 683-693.	6.5	49
25	Transfer RNAs of <i>Halobacterium volcanii</i> : Sequences of five leucine and three serine tRNAs. <i>Systematic and Applied Microbiology</i> , 1986, 7, 102-105.	1.2	32
26	Transfer Ribonucleic Acids of Archaeobacteria. , 1985, , 311-343.		4
27	Complete Nucleotide Sequence of a 23S Ribosomal RNA Gene from <i>Bacillus stearothermophilus</i> . <i>DNA and Cell Biology</i> , 1984, 3, 347-357.	5.1	41
28	Are archaeobacteria merely derived "prokaryotes"? <i>Nature</i> , 1981, 289, 95-96.	13.7	68
29	Secondary structure model for 23S ribosomal RNA. <i>Nucleic Acids Research</i> , 1981, 9, 6167-6189.	6.5	397
30	Unusual modification patterns in the transfer ribonucleic acids of archaeobacteria. <i>Current Microbiology</i> , 1980, 4, 245-249.	1.0	39