

# Akira Muto

## List of Publications by Year in descending order

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18  
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840776

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times ranked

529  
citing authors

#	ARTICLE	IF	CITATIONS
1	A leaderless mRNA including tRNA-like sequence encodes a small peptide that regulates the expression of GcvB small RNA in <i>Escherichia coli</i> . Journal of Biochemistry, 2022, 171, 459-465.	1.7	2
2	Involvement of GcvB small RNA in intrinsic resistance to multiple aminoglycoside antibiotics in <i>Escherichia coli</i> . Journal of Biochemistry, 2021, 169, 485-489.	1.7	3
3	RsgA couples the maturation state of the 30S ribosomal decoding center to activation of its GTPase pocket. Nucleic Acids Research, 2017, 45, 6945-6959.	14.5	29
4	(p)ppGpp-dependent and -independent pathways for salt tolerance in <i>Escherichia coli</i> . Journal of Biochemistry, 2016, 160, 19-26.	1.7	12
5	Ribosome rescue systems in bacteria. Biochimie, 2015, 114, 102-112.	2.6	48
6	Mechanism of trans-translation revealed by in vitro studies. Frontiers in Microbiology, 2014, 5, 65.	3.5	9
7	tRNADB-CE: tRNA gene database well-timed in the era of big sequence data. Frontiers in Genetics, 2014, 5, 114.	2.3	53
8	ArfA recognizes the lack of mRNA in the mRNA channel after RF2 binding for ribosome rescue. Nucleic Acids Research, 2014, 42, 13339-13352.	14.5	33
9	Rejection of tmRNA-SmpB after GTP hydrolysis by EF-Tu on ribosomes stalled on intact mRNA. Rna, 2014, 20, 1706-1714.	3.5	13
10	tmRNA-mediated trans-translation as the major ribosome rescue system in a bacterial cell. Frontiers in Genetics, 2014, 5, 66.	2.3	62
11	Molecular mimicry of tRNA / mRNA during trans-translation. FASEB Journal, 2010, 24, 654.2.	0.5	0
12	Determinants on tmRNA for initiating efficient and precise trans-translation: Some mutations upstream of the tag-encoding sequence of <i>Escherichia coli</i> tmRNA shift the initiation point of trans-translation in vitro. Rna, 2001, 7, 999-1012.	3.5	54
13	Requirement of transfer-messenger RNA for the growth of <i>Bacillus subtilis</i> under stresses. Genes To Cells, 2000, 5, 627-635.	1.2	110
14	Three of four pseudoknots in tmRNA are interchangeable and are substitutable with single-stranded RNAs. FEBS Letters, 2000, 470, 345-349.	2.8	59
15	Primary structures of hemagglutinin-esterase and spike glycoproteins of murine coronavirus DVIM. Virus Genes, 1998, 17, 123-128.	1.6	3
16	In vitro Trans Translation mediated by alanine-charged 10sa RNA. Journal of Molecular Biology, 1997, 268, 803-808.	4.2	93
17	Interaction of 10Sa RNA with ribosomes in <i>Escherichia coli</i> . FEBS Letters, 1996, 399, 223-226.	2.8	39
18	RNase P RNA of <i>Mycoplasma capricolum</i> . Molecular Biology Reports, 1996, 22, 125-129.	2.3	4