

# Kenjyo Miyauchi

## List of Publications by Year in descending order

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28  
papers

2,068  
citations

304743

22  
h-index

501196

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective stabilization of mammalian microRNAs by 3' adenylation mediated by the cytoplasmic poly(A) polymerase GLD-2. <i>Genes and Development</i> , 2009, 23, 433-438.	5.9	378
2	The 3' termini of mouse Piwi-interacting RNAs are 2'-O-methylated. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 349-350.	8.2	202
3	ALKBH1 is an RNA dioxygenase responsible for cytoplasmic and mitochondrial tRNA modifications. <i>Nucleic Acids Research</i> , 2017, 45, 7401-7415.	14.5	180
4	A cyclic form of N6-threonylcarbamoyladenine as a widely distributed tRNA hypermodification. <i>Nature Chemical Biology</i> , 2013, 9, 105-111.	8.0	147
5	Cloning and Sequencing of a 2,5-Dichlorohydroquinone Reductive Dehalogenase Gene Whose Product Is Involved in Degradation of <sup>13</sup> C-Hexachlorocyclohexane by <i>Sphingomonas paucimobilis</i> . <i>Journal of Bacteriology</i> , 1998, 180, 1354-1359.	2.2	111
6	Cloning and Sequencing of a Novel meta-Cleavage Dioxygenase Gene Whose Product Is Involved in Degradation of <sup>13</sup> C-Hexachlorocyclohexane in <i>Sphingomonas paucimobilis</i> . <i>Journal of Bacteriology</i> , 1999, 181, 6712-6719.	2.2	111
7	Rectifier of aberrant mRNA splicing recovers tRNA modification in familial dysautonomia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2764-2769.	7.1	93
8	CO2-sensitive tRNA modification associated with human mitochondrial disease. <i>Nature Communications</i> , 2018, 9, 1875.	12.8	87
9	A Single Acetylation of 18 S rRNA Is Essential for Biogenesis of the Small Ribosomal Subunit in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 26201-26212.	3.4	76
10	Automated parallel isolation of multiple species of non-coding RNAs by the reciprocal circulating chromatography method. <i>Nucleic Acids Research</i> , 2007, 35, e24.	14.5	74
11	Discovery and characterization of tRNA <sup>Ile</sup> lysidine synthetase (TilS). <i>FEBS Letters</i> , 2010, 584, 272-277.	2.8	69
12	Nucleoside Analysis by Hydrophilic Interaction Liquid Chromatography Coupled with Mass Spectrometry. <i>Methods in Enzymology</i> , 2015, 560, 19-28.	1.0	61
13	Biogenesis and growth phase-dependent alteration of 5-methoxycarbonylmethoxyuridine in tRNA anticodons. <i>Nucleic Acids Research</i> , 2016, 44, 509-523.	14.5	49
14	Identification of 2-methylthio cyclic N6-threonylcarbamoyladenine (ms2ct6A) as a novel RNA modification at position 37 of tRNAs. <i>Nucleic Acids Research</i> , 2017, 45, 2124-2136.	14.5	48
15	Acetate-dependent tRNA acetylation required for decoding fidelity in protein synthesis. <i>Nature Chemical Biology</i> , 2018, 14, 1010-1020.	8.0	43
16	Discovery of the $\hat{1}^2$ -barrel type RNA methyltransferase responsible for N <sup>6</sup> -methylation of N <sup>6</sup> -threonylcarbamoyladenine in tRNAs. <i>Nucleic Acids Research</i> , 2014, 42, 9350-9365.	14.5	42
17	A hydantoin isoform of cyclic N6-threonylcarbamoyladenine (ct6A) is present in tRNAs. <i>Nucleic Acids Research</i> , 2017, 45, 2137-2149.	14.5	40
18	Biogenesis and functions of aminocarboxypropyluridine in tRNA. <i>Nature Communications</i> , 2019, 10, 5542.	12.8	39

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19	Decoding system for the AUA codon by tRNA Ile with the UAU anticodon in <i>Mycoplasma mobile</i> . <i>Nucleic Acids Research</i> , 2013, 41, 2621-2631.	14.5	36
20	Reversible RNA phosphorylation stabilizes tRNA for cellular thermotolerance. <i>Nature</i> , 2022, 605, 372-379.	27.8	35
21	Epigenetic loss of the transfer RNA-modifying enzyme TYW2 induces ribosome frameshifts in colon cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20785-20793.	7.1	31
22	Loss of Ftsj1 perturbs codon-specific translation efficiency in the brain and is associated with X-linked intellectual disability. <i>Science Advances</i> , 2021, 7, .	10.3	30
23	Taurine-containing Uridine Modifications in tRNA Anticodons Are Required to Decipher Non-universal Genetic Codes in Ascidian Mitochondria. <i>Journal of Biological Chemistry</i> , 2011, 286, 35494-35498.	3.4	20
24	Hydroxylation of a conserved tRNA modification establishes non-universal genetic code in echinoderm mitochondria. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 778-782.	8.2	18
25	An ancient type of MnmA protein is an iron-sulfur cluster-dependent sulfurtransferase for tRNA anticodons. <i>Rna</i> , 2020, 26, 240-250.	3.5	17
26	Regulation of gene expression via retrotransposon insertions and the noncoding <sc>RNA</sc> 4.5S <sc>RNA</sc>. <i>Genes To Cells</i> , 2015, 20, 887-901.	1.2	15
27	Decoding Mechanism of Non-universal Genetic Codes in <i>Loligo bleekeri</i> Mitochondria. <i>Journal of Biological Chemistry</i> , 2013, 288, 7645-7652.	3.4	8
28	The Effect of tRNA[Ser] <sup>Sec</sup> Isopentenylation on Selenoprotein Expression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11454.	4.1	8