

Takeo Suzuki

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

5,312
citations

147801

31
h-index

197818

49
g-index

52
all docs

52
docs citations

52
times ranked

5909
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass spectrometric analysis of mRNA 5' terminal modifications. <i>Methods in Enzymology</i> , 2021, 658, 407-418.	1.0	2
2	N6-methyladenosine (m6A) is an endogenous A3 adenosine receptor ligand. <i>Molecular Cell</i> , 2021, 81, 659-674.e7.	9.7	28
3	Mass Spectrometric Analysis of Mitochondrial RNA Modifications. <i>Methods in Molecular Biology</i> , 2021, 2192, 89-101.	0.9	1
4	Higd1a improves respiratory function in the models of mitochondrial disorder. <i>FASEB Journal</i> , 2020, 34, 1859-1871.	0.5	16
5	Complete chemical structures of human mitochondrial tRNAs. <i>Nature Communications</i> , 2020, 11, 4269.	12.8	144
6	Distinct Modified Nucleosides in tRNA ^{Trp} from the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> and Requirement of tRNA ^{m²G10} /m ² G10 Methyltransferase (Archaeal Trm11) for Survival at High Temperatures. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	15
7	Mammalian NSUN2 introduces 5-methylcytidines into mitochondrial tRNAs. <i>Nucleic Acids Research</i> , 2019, 47, 8734-8745.	14.5	60
8	Impact of intron removal from tRNA genes on <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 2019, 47, 5936-5949.	14.5	20
9	Cap-specific terminal N ⁶ -methylation of RNA by an RNA polymerase II-associated methyltransferase. <i>Science</i> , 2019, 363, .	12.6	262
10	Metabolic and chemical regulation of tRNA modification associated with taurine deficiency and human disease. <i>Nucleic Acids Research</i> , 2018, 46, 1565-1583.	14.5	110
11	Defective Mitochondrial tRNA Taurine Modification Activates Global Proteostress and Leads to Mitochondrial Disease. <i>Cell Reports</i> , 2018, 22, 482-496.	6.4	84
12	ALKBH1 is an RNA dioxygenase responsible for cytoplasmic and mitochondrial tRNA modifications. <i>Nucleic Acids Research</i> , 2017, 45, 7401-7415.	14.5	180
13	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
14	Mtu1-Mediated Thiouridine Formation of Mitochondrial tRNAs Is Required for Mitochondrial Translation and Is Involved in Reversible Infantile Liver Injury. <i>PLoS Genetics</i> , 2016, 12, e1006355.	3.5	28
15	NSUN3 methylase initiates 5-formylcytidine biogenesis in human mitochondrial tRNAMet. <i>Nature Chemical Biology</i> , 2016, 12, 546-551.	8.0	174
16	Cdk5rap1-Mediated 2-Methylthio Modification of Mitochondrial tRNAs Governs Protein Translation and Contributes to Myopathy in Mice and Humans. <i>Cell Metabolism</i> , 2015, 21, 428-442.	16.2	95
17	Single methylation of 23S rRNA triggers late steps of 50S ribosomal subunit assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4707-16.	7.1	52
18	5-Hydroxymethylcytosine Plays a Critical Role in Glioblastomagenesis by Recruiting the CHTOP-Methylosome Complex. <i>Cell Reports</i> , 2014, 9, 48-60.	6.4	122

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19	Human NAT10 Is an ATP-dependent RNA Acetyltransferase Responsible for N4-Acetylcytidine Formation in 18 S Ribosomal RNA (rRNA). <i>Journal of Biological Chemistry</i> , 2014, 289, 35724-35730.	3.4	159
20	A complete landscape of post-transcriptional modifications in mammalian mitochondrial tRNAs. <i>Nucleic Acids Research</i> , 2014, 42, 7346-7357.	14.5	247
21	Biochemical and Mass Spectrometric Analysis of 3'-End Methylation of piRNAs. <i>Methods in Molecular Biology</i> , 2014, 1093, 59-72.	0.9	1
22	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
23	Structural Dynamics of a Mitochondrial tRNA Possessing Weak Thermodynamic Stability. <i>Biochemistry</i> , 2014, 53, 1456-1465.	2.5	9
24	Quantitative PCR Measurement of tRNA 2-Methylthio Modification for Assessing Type 2 Diabetes Risk. <i>Clinical Chemistry</i> , 2013, 59, 1604-1612.	3.2	24
25	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
26	Base methylations in the double-stranded RNA by a fused methyltransferase bearing unwinding activity. <i>Nucleic Acids Research</i> , 2012, 40, 4071-4085.	14.5	28
27	Loss of ribosomal RNA modification causes developmental defects in zebrafish. <i>Nucleic Acids Research</i> , 2012, 40, 391-398.	14.5	88
28	Human Mitochondrial tRNAs: Biogenesis, Function, Structural Aspects, and Diseases. <i>Annual Review of Genetics</i> , 2011, 45, 299-329.	7.6	464
29	Human mitochondrial diseases caused by lack of taurine modification in mitochondrial tRNAs. <i>Wiley Interdisciplinary Reviews RNA</i> , 2011, 2, 376-386.	6.4	100
30	Molecular basis of dihydrouridine formation on tRNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19593-19598.	7.1	58
31	Taurine-containing Uridine Modifications in tRNA Anticodons Are Required to Decipher Non-universal Genetic Codes in <i>Ascidian</i> Mitochondria. <i>Journal of Biological Chemistry</i> , 2011, 286, 35494-35498.	3.4	20
32	Actin-binding protein ABP140 is a methyltransferase for 3-methylcytidine at position 32 of tRNAs in <i>Saccharomyces cerevisiae</i> . <i>Rna</i> , 2011, 17, 1111-1119.	3.5	62
33	Deficit of tRNA ^{Lys} modification by Cdkal1 causes the development of type 2 diabetes in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 3598-3608.	8.2	212
34	Profiling Sex-Specific piRNAs in Zebrafish. <i>Genetics</i> , 2010, 186, 1175-1185.	2.9	19
35	Agmatine-conjugated cytidine in a tRNA anticodon is essential for AUA decoding in archaea. <i>Nature Chemical Biology</i> , 2010, 6, 277-282.	8.0	127
36	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

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37	Tertiary network in mammalian mitochondrial tRNAsp revealed by solution probing and phylogeny. <i>Nucleic Acids Research</i> , 2009, 37, 6881-6895.	14.5	27
38	Biogenesis of glutamyl-mt tRNA ^{Gln} in human mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16209-16214.	7.1	93
39	Mass Spectrometric Identification and Characterization of RNA-Modifying Enzymes. <i>Methods in Enzymology</i> , 2007, 425, 211-229.	1.0	114
40	Pimet, the <i>Drosophila</i> homolog of HEN1, mediates 2'-O-methylation of Piwi-interacting RNAs at their 3' ends. <i>Genes and Development</i> , 2007, 21, 1603-1608.	5.9	400
41	Aminoacyl-tRNA surveillance by EF-Tu in mammalian mitochondria.. <i>Nucleic Acids Symposium Series</i> , 2007, 51, 41-42.	0.3	17
42	Chaplet Column Chromatography: Isolation of a Large Set of Individual RNAs in a Single Step. <i>Methods in Enzymology</i> , 2007, 425, 231-239.	1.0	55
43	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
44	Mitochondria-specific RNA-modifying Enzymes Responsible for the Biosynthesis of the Wobble Base in Mitochondrial tRNAs. <i>Journal of Biological Chemistry</i> , 2005, 280, 1613-1624.	3.4	192
45	Wobble modification differences and subcellular localization of tRNAs in <i>Leishmania tarentolae</i> : implication for tRNA sorting mechanism. <i>EMBO Journal</i> , 2003, 22, 657-667.	7.8	106
46	Simple and rapid synthesis of siRNA derived from in vitro transcribed shRNA. <i>Nucleic Acids Symposium Series</i> , 2003, 3, 249-250.	0.3	15
47	Taurine as a constituent of mitochondrial tRNAs: new insights into the functions of taurine and human mitochondrial diseases. <i>EMBO Journal</i> , 2002, 21, 6581-6589.	7.8	332
48	Modification Defect at Anticodon Wobble Nucleotide of Mitochondrial tRNAsLeu(UUR) with Pathogenic Mutations of Mitochondrial Myopathy, Encephalopathy, Lactic Acidosis, and Stroke-like Episodes. <i>Journal of Biological Chemistry</i> , 2000, 275, 4251-4257.	3.4	232
49	High Sensitive Analysis of Modified Nucleosides by LC/MS Using ESI/Iontrap Mass Spectrometry.. <i>Journal of the Mass Spectrometry Society of Japan</i> , 1999, 47, 168-176.	0.1	3
50	Mass spectrometric analysis of 3'-terminal nucleosides of non-coding RNAs. <i>Protocol Exchange</i> , 0, , .	0.3	2