Tsutomu Suzuki

List of Publications by Year
in descending order

229	18,482	11651 70	16650 123
papers	citations	h-index	g-index

239	239	239	15613
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	OUP accepted manuscript. Nucleic Acids Research, 2022, , .	14.5	7
2	Reversible RNA phosphorylation stabilizes tRNA for cellular thermotolerance. Nature, 2022, 605, 372-379.	27.8	35
3	Regulation of A-to-I RNA editing and stop codon recoding to control selenoprotein expression during skeletal myogenesis. Nature Communications, 2022, 13, 2503.	12.8	5
4	Glutamine deficiency in solid tumor cells confers resistance to ribosomal RNA synthesis inhibitors. Nature Communications, 2022, 13, .	12.8	10
5	Mass spectrometric analysis of mRNA 5â€² terminal modifications. Methods in Enzymology, 2021, 658, 407-418.	1.0	2
6	N6-methyladenosine (m6A) is an endogenous A3 adenosine receptor ligand. Molecular Cell, 2021, 81, 659-674.e7.	9.7	28
7	The expanding world of tRNA modifications and their disease relevance. Nature Reviews Molecular Cell Biology, 2021, 22, 375-392.	37.0	282
8	Loss of Ftsj1 perturbs codon-specific translation efficiency in the brain and is associated with X-linked intellectual disability. Science Advances, 2021, 7, .	10.3	30
9	A single m6A modification in U6 snRNA diversifies exon sequence at the 5â€™ splice site. Nature Communications, 2021, 12, 3244.	12.8	30
10	m ⁶ A modification of HSATIII lncRNAs regulates temperatureâ€dependent splicing. EMBO Journal, 2021, 40, e107976.	7.8	36
11	m⁶Aâ€mediated alternative splicing coupled with nonsenseâ€mediated mRNA decay regulates SAM synthetase homeostasis. EMBO Journal, 2021, 40, e106434.	7.8	26
12	RelA-SpoT Homolog toxins pyrophosphorylate the CCA end of tRNA to inhibit protein synthesis. Molecular Cell, 2021, 81, 3160-3170.e9.	9.7	26
13	Dynamic changes in tRNA modifications and abundance during T cell activation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
14	The Effect of tRNA[Ser]Sec Isopentenylation on Selenoprotein Expression. International Journal of Molecular Sciences, 2021, 22, 11454.	4.1	8
15	Mass Spectrometric Analysis of Mitochondrial RNA Modifications. Methods in Molecular Biology, 2021, 2192, 89-101.	0.9	1
16	Synthesis and properties of the anticodon stem-loop of human mitochondrial tRNAMet containing the disease-related G or m1G nucleosides at position 37. Chemical Communications, 2021, 57, 12540-12543.	4.1	2
17	Molecular basis of glycyl-tRNAGly acetylation by TacT from Salmonella Typhimurium. Cell Reports, 2021, 37, 110130.	6.4	7
18	Higd1a improves respiratory function in the models of mitochondrial disorder. FASEB Journal, 2020, 34, 1859-1871.	0.5	16

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19	An ancient type of MnmA protein is an ironâ€“sulfur cluster-dependent sulfurtransferase for tRNA anticodons. Rna, 2020, 26, 240-250.	3.5	17
20	The RNA-binding protein QKI-7 recruits the poly(A) polymerase GLD-2 for 3â€² adenylation and selective stabilization of microRNA-122. Journal of Biological Chemistry, 2020, 295, 390-402.	3.4	21
21	Epigenetic loss of the transfer RNA-modifying enzyme TYW2 induces ribosome frameshifts in colon cancer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20785-20793.	7.1	31
22	Mechanism of aminoacyl-tRNA acetylation by an aminoacyl-tRNA acetyltransferase AtaT from enterohemorrhagic E. coli. Nature Communications, 2020, 11, 5438.	12.8	12
23	Complete chemical structures of human mitochondrial tRNAs. Nature Communications, 2020, 11, 4269.	12.8	144
24	The tRNA pseudouridine synthase TruB1 regulates the maturation of letâ€7 miRNA. EMBO Journal, 2020, 39, e104708.	7.8	17
25	In vitro yeast reconstituted translation system reveals function of eIF5A for synthesis of long polypeptide. Journal of Biochemistry, 2020, 167, 451-462.	1.7	7
26	Substrate specificities of Escherichia coli ItaT that acetylates aminoacyl-tRNAs. Nucleic Acids Research, 2020, 48, 7532-7544.	14.5	6
27	Distinct Modified Nucleosides in tRNA ^{Trp} from the Hyperthermophilic Archaeon Thermococcus kodakarensis and Requirement of tRNA m ² G10/m ² ₂ G10 Methyltransferase (Archaeal Trm11) for Survival at High Temperatures. Journal of Bacteriology, 2019, 201, .	2.2	15
28	Mammalian NSUN2 introduces 5-methylcytidines into mitochondrial tRNAs. Nucleic Acids Research, 2019, 47, 8734-8745.	14.5	60
29	Dual pathways of tRNA hydroxylation ensure efficient translation by expanding decoding capability. Nature Communications, 2019, 10, 2858.	12.8	38
30	Impact of intron removal from tRNA genes on Saccharomyces cerevisiae. Nucleic Acids Research, 2019, 47, 5936-5949.	14.5	20
31	Depletion of S-adenosylmethionine impacts on ribosome biogenesis through hypomodification of a single rRNA methylation. Nucleic Acids Research, 2019, 47, 4226-4239.	14.5	19
32	Biogenesis and functions of aminocarboxypropyluridine in tRNA. Nature Communications, 2019, 10, 5542.	12.8	39
33	Transcriptome-wide identification of A-to-I RNA editing sites using ICE-seq. Methods, 2019, 156, 66-78.	3.8	14
34	Cap-specific terminal N ⁶ -methylation of RNA by an RNA polymerase IIâ€“associated methyltransferase. Science, 2019, 363, .	12.6	262
35	Random mutagenesis of a hyperthermophilic archaeon identified tRNA modifications associated with cellular hyperthermotolerance. Nucleic Acids Research, 2019, 47, 1964-1976.	14.5	38
36	Accurate estimation of 5-methylcytosine in mammalian mitochondrial DNA. Scientific Reports, 2018, 8, 5801.	3.3	35

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37	The ribosomal A-site finger is crucial for binding and activation of the stringent factor RelA. Nucleic Acids Research, 2018, 46, 1973-1983.	14.5	53
38	Metabolic and chemical regulation of tRNA modification associated with taurine deficiency and human disease. Nucleic Acids Research, 2018, 46, 1565-1583.	14.5	110
39	Defective Mitochondrial tRNA Taurine Modification Activates Global Proteostress and Leads to Mitochondrial Disease. Cell Reports, 2018, 22, 482-496.	6.4	84
40	CO2-sensitive tRNA modification associated with human mitochondrial disease. Nature Communications, 2018, 9, 1875.	12.8	87
41	Quantification of methylation efficiency at a specific N6-methyladenosine position in rRNA by using BNA probes. Chemical Communications, 2018, 54, 9627-9630.	4.1	2
42	Acetate-dependent tRNA acetylation required for decoding fidelity in protein synthesis. Nature Chemical Biology, 2018, 14, 1010-1020.	8.0	43
43	Duplication of Drosophila melanogaster mitochondrial EF-Tu: pre-adaptation to T-arm truncation and exclusion of bulky aminoacyl residues. Biochemical Journal, 2017, 474, 957-969.	3.7	3
44	RNA editing enzyme ADAR2 is a mediator of neuropathic pain after peripheral nerve injury. FASEB Journal, 2017, 31, 1847-1855.	0.5	9
45	ALKBH1 is an RNA dioxygenase responsible for cytoplasmic and mitochondrial tRNA modifications. Nucleic Acids Research, 2017, 45, 7401-7415.	14.5	180
46	Biochemical and structural characterization of oxygen-sensitive 2-thiouridine synthesis catalyzed by an iron-sulfur protein TtuA. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4954-4959.	7.1	37
47	Structural and functional characterization of the TYW3/Taw3 class of SAM-dependent methyltransferases. Rna, 2017, 23, 346-354.	3.5	13
48	Intrinsic Ribosome Destabilization Underlies Translation and Provides an Organism with a Strategy of Environmental Sensing. Molecular Cell, 2017, 68, 528-539.e5.	9.7	68
49	Hydroxylation of a conserved tRNA modification establishes non-universal genetic code in echinoderm mitochondria. Nature Structural and Molecular Biology, 2017, 24, 778-782.	8.2	18
50	Human BCDIN3D monomethylates cytoplasmic histidine transfer RNA. Nucleic Acids Research, 2017, 45, gkx051.	14.5	25
51	S-Adenosylmethionine Synthesis Is Regulated by Selective N6-Adenosine Methylation and mRNA Degradation Involving METTL16 and YTHDC1. Cell Reports, 2017, 21, 3354-3363.	6.4	240
52	Biogenesis and iron-dependency of ribosomal RNA hydroxylation. Nucleic Acids Research, 2017, 45, 12974-12986.	14.5	34
53	Identification of 2-methylthio cyclic N6-threonylcarbamoyladenosine (ms2ct6A) as a novel RNA modification at position 37 of tRNAs. Nucleic Acids Research, 2017, 45, 2124-2136.	14.5	48
54	A hydantoin isoform of cyclic N6-threonylcarbamoyladenosine (ct6A) is present in tRNAs. Nucleic Acids Research, 2017, 45, 2137-2149.	14.5	40

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55	A Comprehensive Genomic Analysis Reveals the Genetic Landscape of Mitochondrial Respiratory Chain Complex Deficiencies. PLoS Genetics, 2016, 12, e1005679.	3.5	236
56	Mtu1-Mediated Thiouridine Formation of Mitochondrial tRNAs Is Required for Mitochondrial Translation and Is Involved in Reversible Infantile Liver Injury. PLoS Genetics, 2016, 12, e1006355.	3.5	28
57	NSUN3 methylase initiates 5-formylcytidine biogenesis in human mitochondrial tRNAMet. Nature Chemical Biology, 2016, 12, 546-551.	8.0	174
58	RNA modifications: what have we learned and where are we headed?. Nature Reviews Genetics, 2016, 17, 365-372.	16.3	215
59	Precursors of tRNAs are stabilized by methylguanosine cap structures. Nature Chemical Biology, 2016, 12, 648-655.	8.0	52
60	Biogenesis and growth phase-dependent alteration of 5-methoxycarbonylmethoxyuridine in tRNA anticodons. Nucleic Acids Research, 2016, 44, 509-523.	14.5	49
61	Identification and Functional Analysis of the Pre-piRNA 3â€² Trimmer in Silkworms. Cell, 2016, 164, 962-973.	28.9	159
62	Mitochondrial 16S rRNA Is Methylated by tRNA Methyltransferase TRMT61B in All Vertebrates. PLoS Biology, 2016, 14, e1002557.	5.6	95
63	Regulation of gene expression via retrotransposon insertions and the noncoding <scp>RNA</scp> 4.5S <scp>RNA_H</scp>. Genes To Cells, 2015, 20, 887-901.	1.2	15
64	Nucleoside Analysis by Hydrophilic Interaction Liquid Chromatography Coupled with Mass Spectrometry. Methods in Enzymology, 2015, 560, 19-28.	1.0	61
65	RlmCD-mediated U747 methylation promotes efficient G748 methylation by methyltransferase RlmA^{II}in 23S rRNA inStreptococcus pneumoniae; interplay between two rRNA methylations responsible for telithromycin susceptibility. Nucleic Acids Research, 2015, 43, 8964-8972.	14.5	11
66	Rectifier of aberrant mRNA splicing recovers tRNA modification in familial dysautonomia. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2764-2769.	7.1	93
67	Ironâ€“sulfur proteins responsible for RNA modifications. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1272-1283.	4.1	44
68	Cdk5rap1-Mediated 2-Methylthio Modification of Mitochondrial tRNAs Governs Protein Translation and Contributes to Myopathy in Mice and Humans. Cell Metabolism, 2015, 21, 428-442.	16.2	95
69	Destabilization of microRNAs in human cells by 3â€² deadenylation mediated by PARN and CUGBP1. Nucleic Acids Research, 2015, 43, 7521-7534.	14.5	74
70	Biochemical and Transcriptome-Wide Identification of A-to-I RNA Editing Sites by ICE-Seq. Methods in Enzymology, 2015, 560, 331-353.	1.0	3
71	Ribosomal <scp>RNA</scp> methyltransferases contribute to StaphylococcusÂaureus virulence. FEBS Journal, 2015, 282, 2570-2584.	4.7	36
72	Defining fundamental steps in the assembly of the Drosophila RNAi enzyme complex. Nature, 2015, 521, 533-536.	27.8	115

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73	Transcriptome-wide identification of adenosine-to-inosine editing using the ICE-seq method. Nature Protocols, 2015, 10, 715-732.	12.0	67
74	Single methylation of 23S rRNA triggers late steps of 50S ribosomal subunit assembly. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4707-16.	7.1	52
75	5-Hydroxymethylcytosine Plays a Critical Role in Glioblastomagenesis by Recruiting the CHTOP-Methylosome Complex. Cell Reports, 2014, 9, 48-60.	6.4	122
76	Convergent evolution of AUA decoding in bacteria and archaea. RNA Biology, 2014, 11, 1586-1596.	3.1	24
77	Human NAT10 Is an ATP-dependent RNA Acetyltransferase Responsible for N4-Acetylcytidine Formation in 18 S Ribosomal RNA (rRNA). Journal of Biological Chemistry, 2014, 289, 35724-35730.	3.4	159
78	A complete landscape of post-transcriptional modifications in mammalian mitochondrial tRNAs. Nucleic Acids Research, 2014, 42, 7346-7357.	14.5	247
79	Biochemical and Mass Spectrometric Analysis of 3â€™-End Methylation of piRNAs. Methods in Molecular Biology, 2014, 1093, 59-72.	0.9	1
80	A biochemical landscape of A-to-I RNA editing in the human brain transcriptome. Genome Research, 2014, 24, 522-534.	5.5	121
81	Discovery of the Î²-barrelâ€“type RNA methyltransferase responsible forN⁶-methylation ofN⁶-threonylcarbamoyladenosine in tRNAs. Nucleic Acids Research, 2014, 42, 9350-9365.	14.5	42
82	A Single Acetylation of 18 S rRNA Is Essential for Biogenesis of the Small Ribosomal Subunit in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2014, 289, 26201-26212.	3.4	76
83	Structural Dynamics of a Mitochondrial tRNA Possessing Weak Thermodynamic Stability. Biochemistry, 2014, 53, 1456-1465.	2.5	9
84	Quantitative PCR Measurement of tRNA 2-Methylthio Modification for Assessing Type 2 Diabetes Risk. Clinical Chemistry, 2013, 59, 1604-1612.	3.2	24
85	A cyclic form of N6-threonylcarbamoyladenosine as a widely distributed tRNA hypermodification. Nature Chemical Biology, 2013, 9, 105-111.	8.0	147
86	Distinct tRNA modifications in the thermoâ€acidophilic archaeon,Thermoplasma acidophilum. FEBS Letters, 2013, 587, 3575-3580.	2.8	30
87	Poly(A)-Specific Ribonuclease Mediates 3â€²-End Trimming of Argonaute2-Cleaved Precursor MicroRNAs. Cell Reports, 2013, 5, 715-726.	6.4	131
88	Decoding system for the AUA codon by tRNA Ile with the UAU anticodon in Mycoplasma mobile. Nucleic Acids Research, 2013, 41, 2621-2631.	14.5	36
89	Decoding Mechanism of Non-universal Genetic Codes in Loligo bleekeri Mitochondria. Journal of Biological Chemistry, 2013, 288, 7645-7652.	3.4	8
90	Crystal Structure of a Putative Methyltransferase SAV1081 from Staphylococcus aureus. Protein and Peptide Letters, 2013, 20, 530-537.	0.9	3

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91	Base methylations in the double-stranded RNA by a fused methyltransferase bearing unwinding activity. Nucleic Acids Research, 2012, 40, 4071-4085.	14.5	28
92	LRPPRC/SLIRP suppresses PNPase-mediated mRNA decay and promotes polyadenylation in human mitochondria. Nucleic Acids Research, 2012, 40, 8033-8047.	14.5	141
93	Loss of ribosomal RNA modification causes developmental defects in zebrafish. Nucleic Acids Research, 2012, 40, 391-398.	14.5	88
94	Trmt61B is a methyltransferase responsible for 1-methyladenosine at position 58 of human mitochondrial tRNAs. Rna, 2012, 18, 2269-2276.	3.5	145
95	Structure-Function Analysis of Human TYW2 Enzyme Required for the Biosynthesis of a Highly Modified Wybutosine (yW) Base in Phenylalanine-tRNA. PLoS ONE, 2012, 7, e39297.	2.5	9
96	Human Mitochondrial tRNAs: Biogenesis, Function, Structural Aspects, and Diseases. Annual Review of Genetics, 2011, 45, 299-329.	7.6	464
97	Human mitochondrial diseases caused by lack of taurine modification in mitochondrial tRNAs. Wiley Interdisciplinary Reviews RNA, 2011, 2, 376-386.	6.4	100
98	Crystallization and preliminary X-ray diffraction analysis of an archaeal tRNA-modification enzyme, TiaS, complexed with tRNAIle2and ATP. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1414-1416.	0.7	1
99	Molecular basis of dihydrouridine formation on tRNA. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19593-19598.	7.1	58
100	Crystal structure of a novel JmjC-domain-containing protein, TYW5, involved in tRNA modification. Nucleic Acids Research, 2011, 39, 1576-1585.	14.5	47
101	Taurine-containing Uridine Modifications in tRNA Anticodons Are Required to Decipher Non-universal Genetic Codes in Ascidian Mitochondria. Journal of Biological Chemistry, 2011, 286, 35494-35498.	3.4	20
102	Actin-binding protein ABP140 is a methyltransferase for 3-methylcytidine at position 32 of tRNAs in Saccharomyces cerevisiae. Rna, 2011, 17, 1111-1119.	3.5	62
103	Structural basis for nonribosomal peptide synthesis by an aminoacyl-tRNA synthetase paralog. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3912-3917.	7.1	92
104	Retrograde nuclear import of tRNA precursors is required for modified base biogenesis in yeast. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10502-10507.	7.1	72
105	Structural basis of tRNA agmatinylation essential for AUA codon decoding. Nature Structural and Molecular Biology, 2011, 18, 1275-1280.	8.2	25
106	Biogenesis of 2-agmatinylcytidine catalyzed by the dual protein and RNA kinase TiaS. Nature Structural and Molecular Biology, 2011, 18, 1268-1274.	8.2	21
107	Biochemical Identification of A-to-I RNA Editing Sites by the Inosine Chemical Erasing (ICE) Method. Methods in Molecular Biology, 2011, 718, 89-99.	0.9	22
108	Deficit of tRNALys modification by Cdkal1 causes the development of type 2 diabetes in mice. Journal of Clinical Investigation, 2011, 121, 3598-3608.	8.2	212

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109	Discovery and characterization of tRNA^{Ile} lysidine synthetase (TilS). FEBS Letters, 2010, 584, 272-277.	2.8	69
110	Reversible infantile respiratory chain deficiency: A clinical and molecular study. Annals of Neurology, 2010, 68, 845-854.	5.3	38
111	Inosine cyanoethylation identifies A-to-I RNA editing sites in the human transcriptome. Nature Chemical Biology, 2010, 6, 733-740.	8.0	163
112	Induced Loss of ADAR2 Engenders Slow Death of Motor Neurons from Q/R Site-Unedited GluR2. Journal of Neuroscience, 2010, 30, 11917-11925.	3.6	137
113	Profiling Sex-Specific piRNAs in Zebrafish. Genetics, 2010, 186, 1175-1185.	2.9	19
114	Expanding Role of the Jumonji C Domain as an RNA Hydroxylase. Journal of Biological Chemistry, 2010, 285, 34503-34507.	3.4	60
115	Fine-tuning of the ribosomal decoding center by conserved methyl-modifications in the Escherichia coli 16S rRNA. Nucleic Acids Research, 2010, 38, 1341-1352.	14.5	151
116	Agmatine-conjugated cytidine in a tRNA anticodon is essential for AUA decoding in archaea. Nature Chemical Biology, 2010, 6, 277-282.	8.0	127
117	Hsc70/Hsp90 Chaperone Machinery Mediates ATP-Dependent RISC Loading of Small RNA Duplexes. Molecular Cell, 2010, 39, 292-299.	9.7	404
118	Selective stabilization of mammalian microRNAs by 3â€² adenylation mediated by the cytoplasmic poly(A) polymerase GLD-2. Genes and Development, 2009, 23, 433-438.	5.9	378
119	Structural basis of AdoMet-dependent aminocarboxypropyl transfer reaction catalyzed by tRNA-wybutosine synthesizing enzyme, TYW2. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15616-15621.	7.1	41
120	Structural basis of tRNA modification with CO2 fixation and methylation by wybutosine synthesizing enzyme TYW4â€. Nucleic Acids Research, 2009, 37, 2910-2925.	14.5	31
121	Tertiary network in mammalian mitochondrial tRNAAsp revealed by solution probing and phylogeny. Nucleic Acids Research, 2009, 37, 6881-6895.	14.5	27
122	Aquifex aeolicus tRNA (N2,N2-Guanine)-dimethyltransferase (Trm1) Catalyzes Transfer of Methyl Groups Not Only to Guanine 26 but Also to Guanine 27 in tRNA. Journal of Biological Chemistry, 2009, 284, 20467-20478.	3.4	54
123	Biogenesis of glutaminyl-mt tRNA ^{Gln} in human mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16209-16214.	7.1	93
124	Mechanistic characterization of the sulfur-relay system for eukaryotic 2-thiouridine biogenesis at tRNA wobble positions. Nucleic Acids Research, 2009, 37, 1335-1352.	14.5	193
125	RNA helicase module in an acetyltransferase that modifies a specific tRNA anticodon. EMBO Journal, 2009, 28, 1362-1373.	7.8	61
126	Structural basis for translational fidelity ensured by transfer RNA lysidine synthetase. Nature, 2009, 461, 1144-1148.	27.8	56

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127	Chemical Synthesis and Properties of 5-Taurinomethyluridine and 5-Taurinomethyl-2-thiouridine. Journal of Organic Chemistry, 2009, 74, 2585-2588.	3.2	9
128	The TDRD9-MIWI2 Complex Is Essential for piRNA-Mediated Retrotransposon Silencing in the Mouse Male Germline. Developmental Cell, 2009, 17, 775-787.	7.0	297
129	The R336Q mutation in human mitochondrial EFTu prevents the formation of an active mt-EFTuÂ·GTPÂ·aa-tRNA ternary complex. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 791-795.	3.8	18
130	The Ordered Transcription of RNA Domains Is Not Essential for Ribosome Biogenesis in Escherichia coli. Molecular Cell, 2009, 34, 760-766.	9.7	33
131	The RNA acetyltransferase driven by ATP hydrolysis synthesizes N4-acetylcytidine of tRNA anticodon. EMBO Journal, 2008, 27, 2194-2203.	7.8	79
132	Common thiolation mechanism in the biosynthesis of tRNA thiouridine and sulphur-containing cofactors. EMBO Journal, 2008, 27, 3267-3278.	7.8	56
133	Polyadenylation in mammalian mitochondria: Insights from recent studies. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 266-269.	1.9	36
134	Modified Uridines with C5-methylene Substituents at the First Position of the tRNA Anticodon Stabilize UÂ·G Wobble Pairing during Decoding. Journal of Biological Chemistry, 2008, 283, 18801-18811.	3.4	142
135	Ribosomal RNAs are tolerant toward genetic insertions: evolutionary origin of the expansion segments. Nucleic Acids Research, 2008, 36, 3539-3551.	14.5	42
136	Chapter 23 Measuring mRNA Decay in Human Mitochondria. Methods in Enzymology, 2008, 447, 489-499.	1.0	25
137	Wobble Inosine tRNA Modification Is Essential to Cell Cycle Progression in G1/S and G2/M Transitions in Fission Yeast. Journal of Biological Chemistry, 2007, 282, 33459-33465.	3.4	41
138	Mass Spectrometric Identification and Characterization of RNAâ€Modifying Enzymes. Methods in Enzymology, 2007, 425, 211-229.	1.0	114
139	Specific residues at every third position of siRNA shape its efficient RNAi activity. Nucleic Acids Research, 2007, 35, e27.	14.5	85
140	Pimet, the Drosophila homolog of HEN1, mediates 2â€²-O-methylation of Piwi- interacting RNAs at their 3â€² ends. Genes and Development, 2007, 21, 1603-1608.	5.9	400
141	Automated parallel isolation of multiple species of non-coding RNAs by the reciprocal circulating chromatography method. Nucleic Acids Research, 2007, 35, e24.	14.5	74
142	Functional genetic selection of Helix 66 in Escherichia coli 23S rRNA identified the eukaryotic-binding sequence for ribosomal protein L2. Nucleic Acids Research, 2007, 35, 4018-4029.	14.5	11
143	Aminoacyl-tRNA surveillance by EF-Tu in mammalian mitochondria.. Nucleic Acids Symposium Series, 2007, 51, 41-42.	0.3	17
144	Structures of tRNAs with an expanded anticodon loop in the decoding center of the 30S ribosomal subunit. Rna, 2007, 13, 817-823.	3.5	52

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145	Chaplet Column Chromatography: Isolation of a Large Set of Individual RNAs in a Single Step. Methods in Enzymology, 2007, 425, 231-239.	1.0	55
146	Thio Modification of Yeast Cytosolic tRNA Is an Iron-Sulfur Protein-Dependent Pathway. Molecular and Cellular Biology, 2007, 27, 2841-2847.	2.3	66
147	Mechanism of mRNA deadenylation: evidence for a molecular interplay between translation termination factor eRF3 and mRNA deadenylases. Genes and Development, 2007, 21, 3135-3148.	5.9	150
148	Crystal Structure of the Radical SAM Enzyme Catalyzing Tricyclic Modified Base Formation in tRNA. Journal of Molecular Biology, 2007, 372, 1204-1214.	4.2	63
149	The 3â€² termini of mouse Piwi-interacting RNAs are 2â€²-O-methylated. Nature Structural and Molecular Biology, 2007, 14, 349-350.	8.2	202
150	Mutation in TRMU Related to Transfer RNA Modification Modulates the Phenotypic Expression of the Deafness-Associated Mitochondrial 12S Ribosomal RNA Mutations. American Journal of Human Genetics, 2006, 79, 291-302.	6.2	212
151	Identification of the Residues Involved in the Unique Serine Specificity ofCaenorhabditis elegansMitochondrial EF-Tu2â€. Biochemistry, 2006, 45, 10920-10927.	2.5	5
152	Mechanistic Insights into Sulfur Relay by Multiple Sulfur Mediators Involved in Thiouridine Biosynthesis at tRNA Wobble Positions. Molecular Cell, 2006, 21, 97-108.	9.7	246
153	Crystallization and preliminary X-ray analysis of the tRNA thiolation enzyme MnmA fromEscherichia colicomplexed with tRNAGlu. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 368-371.	0.7	19
154	Involvement of the Escherichia coli folate-binding protein YgfZ in RNA modification and regulation of chromosomal replication initiation. Molecular Microbiology, 2006, 59, 265-275.	2.5	34
155	Involvement of the Escherichia coli folateâ€binding protein YgfZ in RNA modification and regulation of chromosomal replication initiation. Molecular Microbiology, 2006, 60, 252-252.	2.5	2
156	A gene involved in modifying transfer RNA is required for fungal pathogenicity and stress tolerance of Colletotrichum lagenarium. Molecular Microbiology, 2006, 60, 81-92.	2.5	55
157	The substrate specificity of tRNA (m1G37) methyltransferase (TrmD) from Aquifex aeolicus. Genes To Cells, 2006, 11, 1353-1365.	1.2	38
158	Snapshots of tRNA sulphuration via an adenylated intermediate. Nature, 2006, 442, 419-424.	27.8	123
159	Biosynthesis of wybutosine, a hyper-modified nucleoside in eukaryotic phenylalanine tRNA. EMBO Journal, 2006, 25, 2142-2154.	7.8	188
160	Structural Basis for Sulfur Relay to RNA Mediated by Heterohexameric TusBCD Complex. Structure, 2006, 14, 357-366.	3.3	44
161	Ribonucleome analysis identified enzyme genes responsible for wybutosine synthesis. Nucleic Acids Symposium Series, 2006, 50, 65-66.	0.3	16
162	Systematic deletion of rRNAs for investigating ribosome architecture and function. Nucleic Acids Symposium Series, 2006, 50, 287-288.	0.3	1

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163	Acquisition of the wobble modification in mitochondrial tRNALeu(CUN) bearing the G12300A mutation suppresses the MELAS molecular defect. Human Molecular Genetics, 2006, 15, 897-904.	2.9	36
164	Comprehensive genetic selection revealed essential bases in the peptidyl-transferase center. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15386-15391.	7.1	68
165	Temperature-dependent Biosynthesis of 2-Thioribothymidine of Thermus thermophilus tRNA. Journal of Biological Chemistry, 2006, 281, 2104-2113.	3.4	71
166	Identification of Two tRNA Thiolation Genes Required for Cell Growth at Extremely High Temperatures. Journal of Biological Chemistry, 2006, 281, 14296-14306.	3.4	69
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