

# Ya-Ming Hou

## List of Publications by Year in descending order

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143  
papers

5,185  
citations

101543

36  
h-index

118850

62  
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153  
all docs

153  
docs citations

153  
times ranked

4715  
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple structural feature is a major determinant of the identity of a transfer RNA. <i>Nature</i> , 1988, 333, 140-145.	27.8	620
2	AlkB Restores the Biological Function of mRNA and tRNA Inactivated by Chemical Methylation. <i>Molecular Cell</i> , 2004, 16, 107-116.	9.7	179
3	Compound Heterozygosity for Loss-of-Function Lysyl-tRNA Synthetase Mutations in a Patient with Peripheral Neuropathy. <i>American Journal of Human Genetics</i> , 2010, 87, 560-566.	6.2	169
4	Genes adopt non-optimal codon usage to generate cell cycle-dependent oscillations in protein levels. <i>Molecular Systems Biology</i> , 2012, 8, 572.	7.2	111
5	Distinct Kinetic Mechanisms of the Two Classes of Aminoacyl-tRNA Synthetases. <i>Journal of Molecular Biology</i> , 2006, 361, 300-311.	4.2	100
6	Methods for kinetic and thermodynamic analysis of aminoacyl-tRNA synthetases. <i>Methods</i> , 2008, 44, 100-118.	3.8	98
7	A Recurrent loss-of-function alanyl-tRNA synthetase (AARS) mutation in patients with charcot-marie-tooth disease type 2N (CMT2N). <i>Human Mutation</i> , 2012, 33, 244-253.	2.5	90
8	Distinct Determinants of tRNA Recognition by the TrmD and Trm5 Methyl Transferases. <i>Journal of Molecular Biology</i> , 2007, 373, 623-632.	4.2	89
9	The Archetype $\beta$ -Class Carbonic Anhydrase (Cam) Contains Iron When Synthesized in Vivo. <i>Biochemistry</i> , 2009, 48, 817-819.	2.5	85
10	Structural origins of amino acid selection without editing by cysteinyl-tRNA synthetase. <i>EMBO Journal</i> , 2002, 21, 2778-2787.	7.8	84
11	Loss-of-Function Alanyl-tRNA Synthetase Mutations Cause an Autosomal-Recessive Early-Onset Epileptic Encephalopathy with Persistent Myelination Defect. <i>American Journal of Human Genetics</i> , 2015, 96, 675-681.	6.2	84
12	Shape-selective RNA recognition by cysteinyl-tRNA synthetase. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 1134-1141.	8.2	83
13	The selective tRNA aminoacylation mechanism based on a single G-CU pair. <i>Nature</i> , 2014, 510, 507-511.	27.8	80
14	Maintenance of protein synthesis reading frame by EF-P and m1G37-tRNA. <i>Nature Communications</i> , 2015, 6, 7226.	12.8	78
15	Aminoacyl-tRNA synthetases: Versatile players in the changing theater of translation. <i>Rna</i> , 2002, 8, 1363-1372.	3.5	74
16	Distinct Origins of tRNA(m1G37) Methyltransferase. <i>Journal of Molecular Biology</i> , 2004, 339, 707-719.	4.2	74
17	Methyl transfer by substrate signaling from a knotted protein fold. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 941-948.	8.2	74
18	Transfer RNAs and pathogenicity islands. <i>Trends in Biochemical Sciences</i> , 1999, 24, 295-298.	7.5	72

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19	Incorporation of Tellurocysteine into Glutathione Transferase Generates High Glutathione Peroxidase Efficiency. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2020-2023.	13.8	69
20	Allosteric Communication in Cysteinyl tRNA Synthetase. <i>Journal of Biological Chemistry</i> , 2011, 286, 37721-37731.	3.4	68
21	Structural and Mechanistic Basis for Enhanced Translational Efficiency by 2-Thiouridine at the tRNA Anticodon Wobble Position. <i>Journal of Molecular Biology</i> , 2013, 425, 3888-3906.	4.2	66
22	Aminoacylation of tRNA with phosphoserine for synthesis of cysteinyl-tRNACys. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 507-514.	8.2	64
23	CCA addition to tRNA: Implications for tRNA quality control. <i>IUBMB Life</i> , 2010, 62, 251-260.	3.4	64
24	Transcription-translation coupling: direct interactions of RNA polymerase with ribosomes and ribosomal subunits. <i>Nucleic Acids Research</i> , 2017, 45, 11043-11055.	14.5	64
25	Enzymic Aminoacylation of tRNA Acceptor Stem Helices with Cysteine Is Dependent on a Single Nucleotide. <i>Biochemistry</i> , 1995, 34, 6527-6532.	2.5	60
26	Structural basis for methyl-donor-dependent and sequence-specific binding to tRNA substrates by knotted methyltransferase TrmD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4197-205.	7.1	54
27	Mg <sup>2+</sup> regulates transcription of <i>mgtA</i> in <i>Salmonella</i> Typhimurium via translation of proline codons during synthesis of the MgtL peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 15096-15101.	7.1	52
28	Impaired Function is a Common Feature of Neuropathy-Associated Glycyl-tRNA Synthetase Mutations. <i>Human Mutation</i> , 2014, 35, n/a-n/a.	2.5	51
29	Zinc-mediated Amino Acid Discrimination in Cysteinyl-tRNA Synthetase. <i>Journal of Molecular Biology</i> , 2003, 327, 911-917.	4.2	48
30	Rapid ribosomal translocation depends on the conserved 18-55 base pair in P-site transfer RNA. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 354-359.	8.2	48
31	Allele-specific RNA interference prevents neuropathy in Charcot-Marie-Tooth disease type 2D mouse models. <i>Journal of Clinical Investigation</i> , 2019, 129, 5568-5583.	8.2	47
32	Synthesis of Cysteinyl-tRNACys by a Genome That Lacks the Normal Cysteine-tRNA Synthetase. <i>Biochemistry</i> , 2000, 39, 7792-7798.	2.5	44
33	Time-resolved cryo-EM visualizes ribosomal translocation with EF-G and GTP. <i>Nature Communications</i> , 2021, 12, 7236.	12.8	43
34	A novel <i>HSD17B10</i> mutation impairing the activities of the mitochondrial RNase P complex causes X-linked intractable epilepsy and neurodevelopmental regression. <i>RNA Biology</i> , 2016, 13, 477-485.	3.1	42
35	Indirect Readout of tRNA for Aminoacylation. <i>Biochemistry</i> , 2007, 46, 10419-10432.	2.5	41
36	tRNA Methylation Is a Global Determinant of Bacterial Multi-drug Resistance. <i>Cell Systems</i> , 2019, 8, 302-314.e8.	6.2	41

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37	Control of Catalytic Cycle by a Pair of Analogous tRNA Modification Enzymes. <i>Journal of Molecular Biology</i> , 2010, 400, 204-217.	4.2	40
38	tRNA Integrity Is a Prerequisite for Rapid CCA Addition: Implication for Quality Control. <i>Journal of Molecular Biology</i> , 2008, 379, 579-588.	4.2	39
39	The Homotetrameric Phosphoserine-tRNA Synthetase from <i>Methanosarcina mazei</i> Exhibits Half-of-the-sites Activity. <i>Journal of Biological Chemistry</i> , 2008, 283, 21997-22006.	3.4	37
40	Amino acid-dependent stability of the acyl linkage in aminoacyl-tRNA. <i>Rna</i> , 2014, 20, 758-764.	3.5	37
41	Stereochemical mechanisms of tRNA methyltransferases. <i>FEBS Letters</i> , 2010, 584, 278-286.	2.8	36
42	Post-transcriptional modifications to tRNA <sup>ala</sup> a response to the genetic code degeneracy. <i>Rna</i> , 2015, 21, 642-644.	3.5	36
43	Fluorescent labeling of tRNAs for dynamics experiments. <i>Rna</i> , 2007, 13, 1594-1601.	3.5	35
44	Mechanism of N-methylation by the tRNA m1G37 methyltransferase Trm5. <i>Rna</i> , 2010, 16, 2484-2492.	3.5	35
45	A role for SUMO in nucleotide excision repair. <i>DNA Repair</i> , 2011, 10, 1243-1251.	2.8	35
46	Unusual synthesis by the <i>Escherichia coli</i> CCA-adding enzyme. <i>Rna</i> , 2000, 6, 1031-1043.	3.5	34
47	Differentiating analogous tRNA methyltransferases by fragments of the methyl donor. <i>Rna</i> , 2011, 17, 1236-1246.	3.5	33
48	Conservation of structure and mechanism by Trm5 enzymes. <i>Rna</i> , 2013, 19, 1192-1199.	3.5	33
49	An RNA Structural Determinant for tRNA Recognition. <i>Biochemistry</i> , 1997, 36, 7967-7972.	2.5	32
50	Poly(C) Synthesis by Class I and Class II CCA-Adding Enzymes. <i>Biochemistry</i> , 2002, 41, 4521-4532.	2.5	32
51	The Catalytic Domain of Topological Knot tRNA Methyltransferase (TrmH) Discriminates between Substrate tRNA and Nonsubstrate tRNA via an Induced-fit Process. <i>Journal of Biological Chemistry</i> , 2013, 288, 25562-25574.	3.4	32
52	Structural Elements that Contribute to an Unusual Tertiary Interaction in a Transfer RNA. <i>Biochemistry</i> , 1994, 33, 4677-4681.	2.5	31
53	A dual-targeted aminoacyl-tRNA synthetase in <i>Plasmodium falciparum</i> charges cytosolic and apicoplast tRNACys. <i>Biochemical Journal</i> , 2014, 458, 513-523.	3.7	31
54	Discriminating among the discriminator bases of tRNAs. <i>Chemistry and Biology</i> , 1997, 4, 93-96.	6.0	30

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55	Apoptotic regulation and tRNA. <i>Protein and Cell</i> , 2010, 1, 795-801.	11.0	30
56	The UGG Isoacceptor of tRNA <sup>Pro</sup> Is Naturally Prone to Frameshifts. <i>International Journal of Molecular Sciences</i> , 2015, 16, 14866-14883.	4.1	30
57	Compound heterozygosity for loss-of-function <i>GARS</i> variants results in a multisystem developmental syndrome that includes severe growth retardation. <i>Human Mutation</i> , 2017, 38, 1412-1420.	2.5	30
58	Catalysis by the Second Class of tRNA(m <sup>1</sup> G37) Methyl Transferase Requires A Conserved Proline. <i>Biochemistry</i> , 2006, 45, 7463-7473.	2.5	29
59	Recognition of guanosine by dissimilar tRNA methyltransferases. <i>Rna</i> , 2012, 18, 1687-1701.	3.5	29
60	Expression of the mouse metallothionein-I gene in <i>Escherichia coli</i> : Increased tolerance to heavy metals. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1988, 951, 230-234.	2.4	28
61	Amino Acid Discrimination by a Highly Differentiated Metal Center of an Aminoacyl-tRNA Synthetase. <i>Biochemistry</i> , 2003, 42, 10931-10937.	2.5	28
62	Molecular dissection of a transfer RNA and the basis for its identity. <i>Trends in Biochemical Sciences</i> , 1989, 14, 233-237.	7.5	27
63	Evidence for a Four-Strand Exchange Catalyzed by the RecA Protein. <i>Biochemistry</i> , 2000, 39, 15272-15281.	2.5	26
64	Divergent Adaptation of tRNA Recognition by <i>Methanococcus jannaschii</i> Prolyl-tRNA Synthetase. <i>Journal of Biological Chemistry</i> , 2001, 276, 20286-20291.	3.4	26
65	An important 2'-OH group for an RNA-protein interaction. <i>Nucleic Acids Research</i> , 2001, 29, 976-985.	14.5	26
66	A Divalent Metal Ion-Dependent N <sup>1</sup> -Methyl Transfer to G37-tRNA. <i>Chemistry and Biology</i> , 2014, 21, 1351-1360.	6.0	26
67	Insights into genome recoding from the mechanism of a classic +1-frameshifting tRNA. <i>Nature Communications</i> , 2021, 12, 328.	12.8	26
68	Influence of transfer RNA tertiary structure on aminoacylation efficiency by glutaminyl and cysteinyl-tRNA synthetases 1 Edited by J. Doudna. <i>Journal of Molecular Biology</i> , 2000, 299, 431-446.	4.2	25
69	Stabilization of Cyclin-Dependent Kinase 4 by Methionyl-tRNA Synthetase in p16 <sup>INK4a</sup> -Negative Cancer. <i>ACS Pharmacology and Translational Science</i> , 2018, 1, 21-31.	4.9	25
70	Kinetic Quality Control of Anticodon Recognition by a Eukaryotic Aminoacyl-tRNA Synthetase. <i>Journal of Molecular Biology</i> , 2007, 367, 1063-1078.	4.2	24
71	TrmD. <i>The Enzymes</i> , 2017, 41, 89-115.	1.7	24
72	Association of an Aminoacyl-tRNA Synthetase with a Putative Metabolic Protein in Archaea. <i>Biochemistry</i> , 2003, 42, 7487-7496.	2.5	23

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73	Perturbation of the tRNA Tertiary Core Differentially Affects Specific Steps of the Elongation Cycle. <i>Journal of Biological Chemistry</i> , 2008, 283, 18431-18440.	3.4	23
74	Probing a tRNA core that contributes to aminoacylation. <i>Journal of Molecular Biology</i> , 2000, 295, 777-789.	4.2	22
75	Hypermorphic and hypomorphic AARS alleles in patients with CMT2N expand clinical and molecular heterogeneities. <i>Human Molecular Genetics</i> , 2018, 27, 4036-4050.	2.9	22
76	Strand Invasion of Supercoiled DNA by Oligonucleotides with a Triplex Guide Sequence. <i>Journal of the American Chemical Society</i> , 1998, 120, 2182-2183.	13.7	21
77	Misacylation and Editing by <i>Escherichia coli</i> Valyl-tRNA Synthetase: Evidence for Two tRNA Binding Sites. <i>Biochemistry</i> , 2001, 40, 8118-8125.	2.5	21
78	Domain-Domain Communication for tRNA Aminoacylation: The Importance of Covalent Connectivity. <i>Biochemistry</i> , 2005, 44, 7240-7249.	2.5	21
79	Enzymatic synthesis of structure-free DNA with pseudo-complementary properties. <i>Nucleic Acids Research</i> , 2008, 36, 3409-3419.	14.5	21
80	Potential for interdependent development of tRNA determinants for aminoacylation and ribosome decoding. <i>Nature Communications</i> , 2011, 2, 329.	12.8	21
81	Conservation of a tRNA core for aminoacylation. <i>Nucleic Acids Research</i> , 1999, 27, 4743-4750.	14.5	20
82	Alternative design of a tRNA core for aminoacylation 1 Edited by D. Draper. <i>Journal of Molecular Biology</i> , 2000, 303, 503-514.	4.2	20
83	Regulation of Cell Death by Transfer RNA. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 583-594.	5.4	20
84	Selective terminal methylation of a tRNA wobble base. <i>Nucleic Acids Research</i> , 2018, 46, e37-e37.	14.5	20
85	The Temperature Sensitivity of a Mutation in the Essential tRNA Modification Enzyme tRNA Methyltransferase D (TrmD). <i>Journal of Biological Chemistry</i> , 2013, 288, 28987-28996.	3.4	19
86	tRNA <sup>Arg</sup> -Derived Fragments Can Serve as Arginine Donors for Protein Arginylation. <i>Cell Chemical Biology</i> , 2020, 27, 839-849.e4.	5.2	19
87	Pyrolo-C as a molecular probe for monitoring conformations of the tRNA 3' end. <i>Rna</i> , 2008, 14, 2245-2253.	3.5	18
88	An Archaeal Aminoacyl-tRNA Synthetase Missing from Genomic Analysis. <i>Journal of Bacteriology</i> , 1999, 181, 5880-5884.	2.2	18
89	Modified Bases in RNA Reduce Secondary Structure and Enhance Hybridization. <i>Biochemistry</i> , 2004, 43, 10224-10236.	2.5	17
90	Breaking the Stereo Barrier of Amino Acid Attachment to tRNA by a Single Nucleotide. <i>Journal of Molecular Biology</i> , 2005, 348, 513-521.	4.2	17

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91	tRNA 3'-amino-tailing for stable amino acid attachment. <i>Rna</i> , 2018, 24, 1878-1885.	3.5	17
92	Codon-Specific Translation by m1G37 Methylation of tRNA. <i>Frontiers in Genetics</i> , 2018, 9, 713.	2.3	17
93	Loss of N1-methylation of G37 in tRNA induces ribosome stalling and reprograms gene expression. <i>ELife</i> , 2021, 10, .	6.0	17
94	Isolation of a site-specifically modified RNA from an unmodified transcript. <i>Nucleic Acids Research</i> , 2006, 34, e21-e21.	14.5	16
95	Interplay between an ATP-binding cassette F protein and the ribosome from <i>Mycobacterium tuberculosis</i> . <i>Nature Communications</i> , 2022, 13, 432.	12.8	16
96	Metal-Ion-Dependent Catalysis and Specificity of CCA-Adding Enzymes: A Comparison of Two Classes. <i>Biochemistry</i> , 2005, 44, 12849-12859.	2.5	15
97	Acquisition of an Insertion Peptide for Efficient Aminoacylation by a Halophile tRNA Synthetase. <i>Biochemistry</i> , 2006, 45, 6835-6845.	2.5	15
98	Distinct kinetic determinants for the stepwise CCA addition to tRNA. <i>Rna</i> , 2009, 15, 1827-1836.	3.5	15
99	Mg <sup>2+</sup> -Dependent Methyl Transfer by a Knotted Protein: A Molecular Dynamics Simulation and Quantum Mechanics Study. <i>ACS Catalysis</i> , 2020, 10, 8058-8068.	11.2	15
100	Structural basis for +1 ribosomal frameshifting during EF-G-catalyzed translocation. <i>Nature Communications</i> , 2021, 12, 4644.	12.8	15
101	Molecular Basis and Consequences of the Cytochrome c-tRNA Interaction. <i>Journal of Biological Chemistry</i> , 2016, 291, 10426-10436.	3.4	14
102	A genetically encoded fluorescent tRNA is active in live-cell protein synthesis. <i>Nucleic Acids Research</i> , 2017, 45, 4081-4093.	14.5	13
103	tRNA methylation: An unexpected link to bacterial resistance and persistence to antibiotics and beyond. <i>Wiley Interdisciplinary Reviews RNA</i> , 2020, 11, e1609.	6.4	13
104	A strategy of tRNA recognition that includes determinants of RNA structure. <i>Bioorganic and Medicinal Chemistry</i> , 1997, 5, 1011-1019.	3.0	12
105	Properties of pseudo-complementary DNA substituted with weakly pairing analogs of guanine or cytosine. <i>Nucleic Acids Research</i> , 2008, 36, 6999-7008.	14.5	12
106	Deacetylation of HSD17B10 by SIRT3 regulates cell growth and cell resistance under oxidative and starvation stresses. <i>Cell Death and Disease</i> , 2020, 11, 563.	6.3	12
107	A tRNA circularization assay: Evidence for the variation of the conformation of the CCA end. <i>Rna</i> , 1998, 4, 733-738.	3.5	11
108	Recognition of tRNA Backbone for Aminoacylation with Cysteine: Evolution from <i>Escherichia coli</i> to Human. <i>Journal of Molecular Biology</i> , 2002, 318, 1207-1220.	4.2	11

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109	Adaptation to tRNA acceptor stem structure by flexible adjustment in the catalytic domain of class I tRNA synthetases. <i>Rna</i> , 2012, 18, 213-221.	3.5	11
110	Biochemical Characterization of Pathogenic Mutations in Human Mitochondrial Methionyl-tRNA Formyltransferase. <i>Journal of Biological Chemistry</i> , 2014, 289, 32729-32741.	3.4	11
111	Purification and Use of tRNA for Enzymatic Post-translational Addition of Amino Acids to Proteins. <i>STAR Protocols</i> , 2020, 1, 100207.	1.2	11
112	The tertiary structure of tRNA and the development of the genetic code. <i>Trends in Biochemical Sciences</i> , 1993, 18, 362-364.	7.5	10
113	Permutation of a Pair of Tertiary Nucleotides in a Transfer RNA. <i>Biochemistry</i> , 1995, 34, 2978-2984.	2.5	10
114	Prevention of mis-aminoacylation of a dual-specificity aminoacyl-tRNA synthetase. <i>Journal of Molecular Biology</i> , 2002, 315, 943-949.	4.2	10
115	Unrestricted accessibility of short oligonucleotides to RNA. <i>Rna</i> , 2005, 11, 1441-1447.	3.5	10
116	Fluorophore Labeling to Monitor tRNA Dynamics. <i>Methods in Enzymology</i> , 2009, 469, 69-93.	1.0	10
117	Initiator tRNA genes template the 3' CCA end at high frequencies in bacteria. <i>BMC Genomics</i> , 2016, 17, 1003.	2.8	10
118	A Label-Free Assay for Aminoacylation of tRNA. <i>Genes</i> , 2020, 11, 1173.	2.4	10
119	Inhibition of tRNA Aminoacylation by 2'-O-Methyl Oligonucleotides. <i>Biochemistry</i> , 1996, 35, 15340-15348.	2.5	9
120	Amino acid activation of a dual-specificity tRNA synthetase is independent of tRNA. <i>Journal of Molecular Biology</i> , 2002, 316, 421-427.	4.2	9
121	Pyrophosphorolysis of CCA Addition: Implication for Fidelity. <i>Journal of Molecular Biology</i> , 2011, 414, 28-43.	4.2	9
122	Loss-of-function mutations in Lysyl-tRNA synthetase cause various leukoencephalopathy phenotypes. <i>Neurology: Genetics</i> , 2019, 5, e565.	1.9	9
123	Twice exploration of tRNA <sup>+</sup> 1 frameshifting in an elongation cycle of protein synthesis. <i>Nucleic Acids Research</i> , 2021, 49, 10046-10060.	14.5	9
124	Isolation of Two cDNAs Encoding Functional Human Cytoplasmic Cysteinyl-tRNA Synthetase. <i>Biological Chemistry</i> , 2001, 382, 399-406.	2.5	8
125	A new (old) way of hijacking tRNA. <i>Nature Chemical Biology</i> , 2010, 6, 795-796.	8.0	8
126	Aminoacylation of an unusual tRNA <sup>Cys</sup> from an extreme halophile. <i>Rna</i> , 2003, 9, 794-801.	3.5	7



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127	Unrestricted Hybridization of Oligonucleotides to Structure-Free DNA. <i>Biochemistry</i> , 2006, 45, 6978-6986.	2.5	7
128	Effect of Nascent Peptide Steric Bulk on Elongation Kinetics in the Ribosome Exit Tunnel. <i>Journal of Molecular Biology</i> , 2017, 429, 1873-1888.	4.2	7
129	A Mitochondrial tRNA Mutation Causes Axonal CMT in a Large Venezuelan Family. <i>Annals of Neurology</i> , 2020, 88, 830-842.	5.3	7
130	Evidence for Unfolding of the Single-Stranded GCCA 3'-End of a tRNA on Its Aminoacyl-tRNA Synthetase from a Stacked Helical to a Foldback Conformation. <i>Biochemistry</i> , 2000, 39, 6791-6798.	2.5	6
131	Crystallization and preliminary diffraction analysis of <i>Escherichia coli</i> cysteinyl-tRNA synthetase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1046-1047.	2.5	5
132	RecA-mediated strand invasion of DNA by oligonucleotides substituted with 2-aminoadenine and 2-thiothymine. <i>Nucleic Acids Research</i> , 2008, 36, 6806-6815.	14.5	5
133	Genome Expansion by tRNA +1 Frameshifting at Quadruplet Codons. <i>Journal of Molecular Biology</i> , 2022, 434, 167440.	4.2	5
134	Recognition of functional groups in an RNA helix by a class I tRNA synthetase. <i>Rna</i> , 2000, 6, 922-927.	3.5	4
135	Kinetic Analysis of tRNA Methyltransferases. <i>Methods in Enzymology</i> , 2015, 560, 91-116.	1.0	4
136	A stress-free strategy to correct point mutations in patient iPS cells. <i>Stem Cell Research</i> , 2021, 53, 102332.	0.7	4
137	Synthesis of cysteinyl-tRNA <sup>Cys</sup> by a prolyl-tRNA synthetase. <i>RNA Biology</i> , 2004, 1, 35-41.	3.1	4
138	Synthesis of Cysteinyl-tRNA <sup>Cys</sup> by A Prolyl-tRNA Synthetase. <i>RNA Biology</i> , 2004, 1, 34-40.	3.1	3
139	High-Purity Enzymatic Synthesis of Site-Specifically Modified tRNA. <i>Methods in Molecular Biology</i> , 2013, 941, 195-212.	0.9	3
140	How to Untie a Protein Knot. <i>Structure</i> , 2019, 27, 1190-1191.	3.3	3
141	Mutational Analysis of a Leucine Heptad Repeat Motif in a Class I Aminoacyl-tRNA Synthetase. <i>Biochemistry</i> , 1996, 35, 14405-14412.	2.5	2
142	Single-Turnover Kinetics of Methyl Transfer to tRNA by Methyltransferases. <i>Methods in Molecular Biology</i> , 2016, 1421, 79-96.	0.9	1
143	tRNA Methylation Controls Bacterial Multi-Drug Resistance. <i>FASEB Journal</i> , 2018, 32, 105.1.	0.5	0