

# Takuya Ueda

## List of Publications by Year in descending order

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219  
papers

11,036  
citations

34105

52  
h-index

39675

94  
g-index

224  
all docs

224  
docs citations

224  
times ranked

9413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell-free translation reconstituted with purified components. <i>Nature Biotechnology</i> , 2001, 19, 751-755.	17.5	1,647
2	Protein synthesis by pure translation systems. <i>Methods</i> , 2005, 36, 299-304.	3.8	331
3	Hepatic Metastases: Diffusion-weighted Sensitivity-encoding versus SPIO-enhanced MR Imaging. <i>Radiology</i> , 2006, 239, 122-130.	7.3	301
4	Artificial photosynthetic cell producing energy for protein synthesis. <i>Nature Communications</i> , 2019, 10, 1325.	12.8	269
5	Bimodal protein solubility distribution revealed by an aggregation analysis of the entire ensemble of <i>Escherichia coli</i> proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4201-4206.	7.1	253
6	Modification Defect at Anticodon Wobble Nucleotide of Mitochondrial tRNAs <sup>Leu(UUR)</sup> 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
7	A synthetic biology approach to the construction of membrane proteins in semi-synthetic minimal cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 567-574.	2.6	216
8	Non-universal decoding of the leucine codon CUG in several <i>Candida</i> species. <i>Nucleic Acids Research</i> , 1993, 21, 4039-4045.	14.5	173
9	Diffusion-Weighted Imaging of Prostate Cancer. <i>Journal of Computer Assisted Tomography</i> , 2005, 29, 149-153.	0.9	173
10	Role of the extra G-C pair at the end of the acceptor stem of tRNA <sup>H</sup> in aminoacylation. <i>Nucleic Acids Research</i> , 1989, 17, 7855-7863.	14.5	170
11	Human Mitochondrial mRNAs Are Stabilized with Polyadenylation Regulated by Mitochondria-specific Poly(A) Polymerase and Polynucleotide Phosphorylase. <i>Journal of Biological Chemistry</i> , 2005, 280, 19721-19727.	3.4	162
12	Incomplete Endograft Apposition to the Aortic Arch: Bird-Beak Configuration Increases Risk of Endoleak Formation after Thoracic Endovascular Aortic Repair. <i>Radiology</i> , 2010, 255, 645-652.	7.3	157
13	Conversion of aminoacylation specificity from tRNA <sup>Tyr</sup> to tRNA <sup>Ser</sup> <i>in vitro</i> . <i>Nucleic Acids Research</i> , 1990, 18, 6815-6819.	14.5	144
14	Global analysis of chaperone effects using a reconstituted cell-free translation system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8937-8942.	7.1	143
15	Delayed Gadolinium-enhanced MR to Determine Glycosaminoglycan Concentration in Reparative Cartilage after Autologous Chondrocyte Implantation: Preliminary Results. <i>Radiology</i> , 2006, 239, 201-208.	7.3	136
16	Proteomic Analysis of the Mammalian Mitochondrial Ribosome. <i>Journal of Biological Chemistry</i> , 2001, 276, 33181-33195.	3.4	131
17	Warthin tumor of the parotid gland: diagnostic value of MR imaging with histopathologic correlation. <i>American Journal of Neuroradiology</i> , 2004, 25, 1256-62.	2.4	125
18	The PURE system for the cell-free synthesis of membrane proteins. <i>Nature Protocols</i> , 2015, 10, 1328-1344.	12.0	122

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19	Defect in modification at the anticodon wobble nucleotide of mitochondrial tRNA <sup>Lys</sup> with the MERRF encephalomyopathy pathogenic mutation. <i>FEBS Letters</i> , 2000, 467, 175-178.	2.8	117
20	Efficient protein selection based on ribosome display system with purified components. <i>Biochemical and Biophysical Research Communications</i> , 2007, 352, 270-276.	2.1	115
21	Structural Compensation for the Deficit of rRNA with Proteins in the Mammalian Mitochondrial Ribosome. <i>Journal of Biological Chemistry</i> , 2001, 276, 21724-21736.	3.4	105
22	A Novel Modified Nucleoside Found at the First Position of the Anticodon of Methionine tRNA from Bovine Liver Mitochondria. <i>Biochemistry</i> , 1994, 33, 2234-2239.	2.5	103
23	Comprehensive detection of human terminal oligo-pyrimidine (TOP) genes and analysis of their characteristics. <i>Nucleic Acids Research</i> , 2008, 36, 3707-3715.	14.5	103
24	Evidence for the Translation Initiation of Leaderless mRNAs by the Intact 70 S Ribosome without Its Dissociation into Subunits in Eubacteria. <i>Journal of Biological Chemistry</i> , 2004, 279, 8539-8546.	3.4	101
25	Identification and Characterization of Mammalian Mitochondrial tRNA nucleotidyltransferases. <i>Journal of Biological Chemistry</i> , 2001, 276, 40041-40049.	3.4	100
26	Unconventional decoding of the AUA codon as methionine by mitochondrial tRNA <sup>Met</sup> with the anticodon f 5 CAU as revealed with a mitochondrial in vitro translation system. <i>Nucleic Acids Research</i> , 2009, 37, 1616-1627.	14.5	99
27	Elongation Factor Tu Mutants Expand Amino Acid Tolerance of Protein Biosynthesis System. <i>Journal of the American Chemical Society</i> , 2007, 129, 14458-14462.	13.7	98
28	Structural basis for template-independent RNA polymerization. <i>Nature</i> , 2004, 430, 700-704.	27.8	96
29	Cell-free translation systems for protein engineering. <i>FEBS Journal</i> , 2006, 273, 4133-4140.	4.7	95
30	EF-G2 <sup>mt</sup> Is an Exclusive Recycling Factor in Mammalian Mitochondrial Protein Synthesis. <i>Molecular Cell</i> , 2009, 35, 502-510.	9.7	95
31	PURE Technology. <i>Methods in Molecular Biology</i> , 2010, 607, 11-21.	0.9	93
32	Inter- and Intratumoral Variability in Magnetic Resonance Imaging of Pleomorphic Adenoma. <i>Journal of Computer Assisted Tomography</i> , 2004, 28, 233-246.	0.9	90
33	Higher-order structure of bovine mitochondrial tRNA <sup>Phe</sup> lacking the "conserved" GG and T <sup>1</sup> CG sequences as inferred by enzymatic and chemical probing. <i>Nucleic Acids Research</i> , 1994, 22, 347-353.	14.5	88
34	A novel cloverleaf structure found in mammalian mitochondrial tRNA <sup>Ser</sup> (UCN). <i>Nucleic Acids Research</i> , 1991, 19, 6101-6105.	14.5	85
35	70S-scanning initiation is a novel and frequent initiation mode of ribosomal translation in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1180-9.	7.1	82
36	FSI analysis of the blood flow and geometrical characteristics in the thoracic aorta. <i>Computational Mechanics</i> , 2014, 54, 1035-1045.	4.0	81

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37	An Analysis of Chest Wall and Diaphragm Motions in Patients With Idiopathic Scoliosis Using Dynamic Breathing MRI. <i>Spine</i> , 2004, 29, 298-302.	2.0	80
38	Higher-order structure of bovine mitochondrial tRNA <sup>Ser</sup> UGA: chemical modification and computer modeling. <i>Nucleic Acids Research</i> , 1994, 22, 5378-5384.	14.5	79
39	The non- $\sigma$ standard genetic code of <i>Candida</i> spp.: an evolving genetic code or a novel mechanism for adaptation?. <i>Molecular Microbiology</i> , 1997, 26, 423-431.	2.5	77
40	Reconstitution of Peptide Bond Formation with <i>Escherichia coli</i> 23S Ribosomal RNA Domains. , 1998, 281, 666-669.		70
41	In- $\sigma$ Vitro Synthesis of the <i>E. coli</i> Sec Translocon from DNA. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7535-7538.	13.8	69
42	De Novo Synthesis of Basal Bacterial Cell Division Proteins FtsZ, FtsA, and ZipA Inside Giant Vesicles. <i>ACS Synthetic Biology</i> , 2018, 7, 953-961.	3.8	65
43	The Cephalopod <i>Loligo bleekeri</i> Mitochondrial Genome: Multiplied Noncoding Regions and Transposition of tRNA Genes. <i>Journal of Molecular Evolution</i> , 2002, 54, 486-500.	1.8	64
44	Existence of nuclear-encoded 5S-rRNA in bovine mitochondria. <i>FEBS Letters</i> , 1994, 338, 137-142.	2.8	62
45	Chaperone Properties of Mammalian Mitochondrial Translation Elongation Factor Tu. <i>Journal of Biological Chemistry</i> , 2007, 282, 4076-4084.	3.4	62
46	Development of a Minimal Cell-Free Translation System for the Synthesis of Presecretory and Integral Membrane Proteins. <i>Biotechnology Progress</i> , 2008, 21, 1243-1251.	2.6	60
47	Nuclease resistance of an extraordinarily thermostable mini-hairpin DNA fragment, d(GCGAAGC) and its application to in vitro protein synthesis. <i>Nucleic Acids Research</i> , 1994, 22, 2217-2221.	14.5	58
48	Ribosome Rescue and Translation Termination at Non-Standard Stop Codons by ICT1 in Mammalian Mitochondria. <i>PLoS Genetics</i> , 2014, 10, e1004616.	3.5	58
49	The role of SmpB protein intrans-translation. <i>FEBS Letters</i> , 2002, 514, 74-77.	2.8	57
50	Recruitment of a species-specific translational arrest module to monitor different cellular processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6073-6078.	7.1	57
51	Mammalian Mitochondrial Methionyl-tRNA Transformylase from Bovine Liver. <i>Journal of Biological Chemistry</i> , 1998, 273, 15085-15090.	3.4	56
52	Co-translational Involvement of the Chaperonin GroEL in the Folding of Newly Translated Polypeptides. <i>Journal of Biological Chemistry</i> , 2005, 280, 12035-12040.	3.4	56
53	Crystal structures of leucyl/phenylalanyl-tRNA-protein transferase and its complex with an aminoacyl-tRNA analog. <i>EMBO Journal</i> , 2006, 25, 5942-5950.	7.8	54
54	Phosphorothioate-containing RNAs show mRNA activity in the prokaryotic translation systems in vitro. <i>Nucleic Acids Research</i> , 1991, 19, 547-552.	14.5	53

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55	The T-loop region of animal mitochondrial tRNA <sup>Ser</sup> (AGY) is a main recognition site for homologous seryl-tRNA synthetase. <i>Nucleic Acids Research</i> , 1992, 20, 2217-2222.	14.5	53
56	Codons AGA and AGG are read as glycine in ascidian mitochondria. <i>Journal of Molecular Evolution</i> , 1993, 36, 1-8.	1.8	53
57	A Novel Wobble Rule Found in Starfish Mitochondria. <i>Journal of Biological Chemistry</i> , 1998, 273, 3363-3368.	3.4	53
58	An "Elongated" Translation Elongation Factor Tu for Truncated tRNAs in Nematode Mitochondria. <i>Journal of Biological Chemistry</i> , 2001, 276, 21571-21577.	3.4	53
59	A Highly Controllable Reconstituted Cell-Free System -a Breakthrough in Protein Synthesis Research. <i>Current Pharmaceutical Biotechnology</i> , 2010, 11, 267-271.	1.6	52
60	Relationship among coelacanths, lungfishes, and tetrapods: A phylogenetic analysis based on mitochondrial cytochrome oxidase I gene sequences. <i>Journal of Molecular Evolution</i> , 1994, 38, 602-9.	1.8	51
61	Human G-proteins, ObgH1 and Mtg1, associate with the large mitochondrial ribosome subunit and are involved in translation and assembly of respiratory complexes. <i>Nucleic Acids Research</i> , 2013, 41, 3713-3722.	14.5	51
62	Radiofrequency Ablation of the Liver: Determination of Ablative Margin at MR Imaging with Impaired Clearance of Ferucarbotran" Feasibility Study. <i>Radiology</i> , 2009, 251, 557-565.	7.3	49
63	MR imaging of salivary duct carcinoma. <i>American Journal of Neuroradiology</i> , 2005, 26, 1201-6.	2.4	49
64	Substrate Recognition of tRNA (Guanosine-2" )-methyltransferase from <i>Thermus thermophilus</i> HB27. <i>Journal of Biological Chemistry</i> , 1998, 273, 25721-25727.	3.4	48
65	Single-Molecule Analysis of the Target Cleavage Reaction by the <i>Drosophila</i> RNAi Enzyme Complex. <i>Molecular Cell</i> , 2015, 59, 125-132.	9.7	48
66	Pharmacokinetic analysis of ductal carcinoma in situ of the breast using dynamic MR mammography. <i>European Radiology</i> , 2005, 15, 1353-1360.	4.5	46
67	Characterization and tRNA Recognition of Mammalian Mitochondrial Seryl-tRNA Synthetase. <i>Journal of Biological Chemistry</i> , 2000, 275, 19913-19920.	3.4	45
68	Functional analysis of membranous Fo- <i>a</i> subunit of F1Fo-ATP synthase by <i>in vitro</i> protein synthesis. <i>Biochemical Journal</i> , 2012, 442, 631-638.	3.7	44
69	Chaperone-assisted folding of a single-chain antibody in a reconstituted translation system. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 1359-1364.	2.1	43
70	Construction of integrated gene logic-chip. <i>Nature Nanotechnology</i> , 2018, 13, 933-940.	31.5	42
71	Large Scale Isolation and Some Properties of AGY-Specific Serine tRNA from Bovine Heart Mitochondria. <i>Journal of Biochemistry</i> , 1985, 98, 1275-1284.	1.7	41
72	Single-molecule imaging of full protein synthesis by immobilized ribosomes. <i>Nucleic Acids Research</i> , 2008, 36, e70-e70.	14.5	41

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73	A novel complete reconstitution system for membrane integration of the simplest membrane protein. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 733-736.	2.1	41
74	Target Specificity of an Autoreactive Pathogenic Human $\beta$ 1-T Cell Receptor in Myositis. <i>Journal of Biological Chemistry</i> , 2012, 287, 20986-20995.	3.4	41
75	A pictorial review of acute aortic syndrome: discriminating and overlapping features as revealed by ECG-gated multidetector-row CT angiography. <i>Insights Into Imaging</i> , 2012, 3, 561-571.	3.4	41
76	CT findings of gastric and intestinal anisakiasis. <i>Abdominal Imaging</i> , 2014, 39, 257-261.	2.0	41
77	Oxidation of a Cysteine Residue in Elongation Factor EF-Tu Reversibly Inhibits Translation in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2016, 291, 5860-5870.	3.4	41
78	A Geometrical-Characteristics Study in Patient-Specific FSI Analysis of Blood Flow in the Thoracic Aorta. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2016, , 379-386.	0.6	40
79	Unbiased Tracking of the Progression of mRNA and Protein Synthesis in Bulk and in Liposome-Confined Reactions. <i>ChemBioChem</i> , 2013, 14, 1963-1966.	2.6	39
80	7-Methylguanosine at the anticodon wobble position of squid mitochondrial tRNA <sup>Ser</sup> GCU: molecular basis for assignment of AGA/AGG codons as serine in invertebrate mitochondria. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1399, 78-82.	2.4	37
81	Discriminant Analysis of Native Thoracic Aortic Curvature: Risk Prediction for Endoleak Formation After Thoracic Endovascular Aortic Repair. <i>Journal of Vascular and Interventional Radiology</i> , 2011, 22, 974-979.e2.	0.5	37
82	HMRFL1 is a human mitochondrial translation release factor involved in the decoding of the termination codons UAA and UAG. <i>Genes To Cells</i> , 2008, 13, 429-438.	1.2	36
83	Polyadenylation in mammalian mitochondria: Insights from recent studies. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 266-269.	1.9	36
84	Uncl protein can mediate ring-assembly of c-subunits of FoF1-ATP synthase in vitro. <i>Biochemical and Biophysical Research Communications</i> , 2008, 367, 663-666.	2.1	36
85	Impact of Quantitatively Determined Native Thoracic Aortic Tortuosity on Endoleak Development After Thoracic Endovascular Aortic Repair. <i>American Journal of Roentgenology</i> , 2011, 197, W1140-W1146.	2.2	36
86	Characterization of serine and leucine tRNAs in an asporogenic yeast <i>Candida cylindracea</i> and evolutionary implications of genes for tRNA <sup>Ser</sup> CAG responsible for translation of a non-universal genetic code. <i>Nucleic Acids Research</i> , 1994, 22, 115-123.	14.5	35
87	Comprehensive study of liposome-assisted synthesis of membrane proteins using a reconstituted cell-free translation system. <i>Scientific Reports</i> , 2016, 5, 18025.	3.3	35
88	SmpB Triggers GTP Hydrolysis of Elongation Factor Tu on Ribosomes by Compensating for the Lack of Codon-Anticodon Interaction during Trans-translation Initiation. <i>Journal of Biological Chemistry</i> , 2006, 281, 15987-15996.	3.4	34
89	Gadoxetic acid-enhanced MRI compared with CT during angiography in the diagnosis of hepatocellular carcinoma. <i>Magnetic Resonance Imaging</i> , 2013, 31, 748-754.	1.8	34
90	Decreased CCA-addition in Human Mitochondrial tRNAs Bearing a Pathogenic A4317G or A10044G Mutation. <i>Journal of Biological Chemistry</i> , 2003, 278, 16828-16833.	3.4	32

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91	The role of interface framework residues in determining antibody VH/ML interaction strength and antigen-binding affinity. <i>FEBS Journal</i> , 2006, 273, 2184-2194.	4.7	32
92	Co-translational Binding of GroEL to Nascent Polypeptides Is Followed by Post-translational Encapsulation by GroES to Mediate Protein Folding. <i>Journal of Biological Chemistry</i> , 2006, 281, 21813-21819.	3.4	32
93	Translation Enhancer Improves the Ribosome Liberation from Translation Initiation. <i>Journal of the American Chemical Society</i> , 2013, 135, 13096-13106.	13.7	32
94	Robust in vitro affinity maturation strategy based on interface-focused high-throughput mutational scanning. <i>Biochemical and Biophysical Research Communications</i> , 2012, 428, 395-400.	2.1	31
95	Amphiphilic Polysaccharide Nanogels as Artificial Chaperones in Cell-Free Protein Synthesis. <i>Macromolecular Bioscience</i> , 2011, 11, 814-820.	4.1	30
96	Crystal structure analysis of the translation factor RF3 (release factor 3). <i>FEBS Letters</i> , 2012, 586, 3705-3709.	2.8	30
97	The PURE System for Protein Production. <i>Methods in Molecular Biology</i> , 2014, 1118, 275-284.	0.9	30
98	Imaging of the Thoracic Aorta Before and After Stent-Graft Repair of Aneurysms and Dissections. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2008, 20, 348.e1-348.e16.	0.6	29
99	Purified cell-free systems as standard parts for synthetic biology. <i>Current Opinion in Chemical Biology</i> , 2014, 22, 158-162.	6.1	29
100	Gene Contents and Organization of a Mitochondrial DNA Segment of the Squid <i>Loligo bleekeri</i> . <i>Journal of Molecular Evolution</i> , 1999, 48, 692-702.	1.8	28
101	Characterization of the catalytic activity of the $\lambda$ -phage lysin, PlyG, specific for <i>Bacillus anthracis</i> . <i>FEMS Microbiology Letters</i> , 2008, 286, 236-240.	1.8	28
102	Risk factors for adverse reactions from contrast agents for computed tomography. <i>BMC Medical Informatics and Decision Making</i> , 2013, 13, 18.	3.0	28
103	Unusual anticodon loop structure found in <i>E. coli</i> lysine tRNA. <i>Nucleic Acids Research</i> , 1994, 22, 79-87.	14.5	27
104	Ribosomal Protein S1 Is not Essential for the trans-translation Machinery. <i>Journal of Molecular Biology</i> , 2007, 368, 845-852.	4.2	27
105	Low conservation and species-specific evolution of alternative splicing in humans and mice: comparative genomics analysis using well-annotated full-length cDNAs. <i>Nucleic Acids Research</i> , 2008, 36, 6386-6395.	14.5	27
106	Structural basis for the substrate recognition and catalysis of peptidyl-tRNA hydrolase. <i>Nucleic Acids Research</i> , 2012, 40, 10521-10531.	14.5	27
107	Pyothorax-Associated Lymphoma: Imaging Findings. <i>American Journal of Roentgenology</i> , 2010, 194, 76-84.	2.2	26
108	Large-scale aggregation analysis of eukaryotic proteins reveals an involvement of intrinsically disordered regions in protein folding. <i>Scientific Reports</i> , 2018, 8, 678.	3.3	26

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109	In vitro reconstitution of functional small ribosomal subunit assembly for comprehensive analysis of ribosomal elements in <i>E. coli</i> . <i>Communications Biology</i> , 2020, 3, 142.	4.4	26
110	Breast-conserving surgery using supine magnetic resonance imaging in breast cancer patients receiving neoadjuvant chemotherapy. <i>Breast</i> , 2008, 17, 245-251.	2.2	25
111	Chondrosarcoma of the nasal septum. <i>Skeletal Radiology</i> , 2002, 31, 543-546.	2.0	24
112	Real-Time Monitoring of Cell-Free Translation on a Quartz-Crystal Microbalance. <i>Journal of the American Chemical Society</i> , 2009, 131, 9326-9332.	13.7	24
113	A bacterial elongation factor G homologue exclusively functions in ribosome recycling in the spirochaete <i>Borrelia burgdorferi</i> . <i>Molecular Microbiology</i> , 2010, 75, 1445-1454.	2.5	24
114	PURE ribosome display and its application in antibody technology. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1925-1932.	2.3	24
115	Dynamic-enhanced MRI predicts metastatic potential of invasive ductal breast cancer. <i>Breast Cancer</i> , 2002, 9, 226-230.	2.9	23
116	Identification of Warthin Tumor. <i>Journal of Computer Assisted Tomography</i> , 2005, 29, 506-512.	0.9	23
117	Detection of Broken Sutures and Metal-Ring Fractures in AneuRx Stent-Grafts by Using Three-dimensional CT Angiography after Endovascular Abdominal Aortic Aneurysm Repair: Association with Late Endoleak Development and Device Migration. <i>Radiology</i> , 2014, 272, 275-283.	7.3	23
118	Protein synthesis yield increased 72 times in the cell-free PURE system. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 113-117.	1.3	23
119	CdsA is involved in biosynthesis of glycolipid MPlase essential for membrane protein integration in vivo. <i>Scientific Reports</i> , 2019, 9, 1372.	3.3	23
120	Primary sequence of mitochondrial tRNA <sup>Arg</sup> of a nematode <i>Ascaris suum</i> : occurrence of unmodified adenosine at the first position of the anticodon. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997, 1350, 119-122.	2.4	22
121	The role of tightly bound ATP in <i>Escherichia coli</i> tRNA nucleotidyltransferase. <i>Genes To Cells</i> , 2000, 5, 689-698.	1.2	22
122	The human mitochondrial translation release factor HMRF1L is methylated in the GGQ motif by the methyltransferase HMP <sub>1</sub> C. <i>Biochemical and Biophysical Research Communications</i> , 2008, 373, 99-103.	2.1	22
123	Single molecule imaging of the trans-translation entry process via anchoring of the tagged ribosome. <i>Journal of Biochemistry</i> , 2011, 149, 609-618.	1.7	22
124	Characterization of glioma stem-like cells from human glioblastomas. <i>International Journal of Oncology</i> , 2015, 47, 91-96.	3.3	22
125	Reconstitution of 30S ribosomal subunits in vitro using ribosome biogenesis factors. <i>Rna</i> , 2018, 24, 1512-1519.	3.5	22
126	Conformational Properties of a Novel Modified Nucleoside, 5-Formylcytidine, Found at the First Position of the Anticodon of Bovine Mitochondrial tRNA <sup>Met</sup> . <i>Nucleosides &amp; Nucleotides</i> , 1994, 13, 1189-1199.	0.5	21



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127	Epitope Mapping Using Ribosome Display in a Reconstituted Cell-Free Protein Synthesis System. <i>Journal of Biochemistry</i> , 2009, 145, 693-700.	1.7	21
128	Production of Multi-Subunit Complexes on Liposome Through an E. coli Cell-Free Expression System. <i>Methods in Molecular Biology</i> , 2010, 607, 161-171.	0.9	20
129	Elongation Factor G Is a Critical Target during Oxidative Damage to the Translation System of <i>Escherichia coli</i> *. <i>Journal of Biological Chemistry</i> , 2012, 287, 28697-28704.	3.4	20
130	Value of Cardiac Magnetic Resonance Fractal Analysis Combined With Myocardial Strain in Discriminating Isolated Left Ventricular Noncompaction and Dilated Cardiomyopathy. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 153-163.	3.4	20
131	G-Protein Coupled Receptor Protein Synthesis on a Lipid Bilayer Using a Reconstituted Cell-Free Protein Synthesis System. <i>Life</i> , 2018, 8, 54.	2.4	19
132	Diffuse Pulmonary Involvement by <i>Mycosis Fungoides</i> : High-Resolution Computed Tomography and Pathologic Findings. <i>Journal of Thoracic Imaging</i> , 2002, 17, 157-159.	1.5	18
133	Spermidine inhibits transient and stable ribosome subunit dissociation. <i>FEBS Letters</i> , 2006, 580, 1222-1226.	2.8	18
134	Mg <sup>2+</sup> Dependence of 70 S Ribosomal Protein Flexibility Revealed by Hydrogen/Deuterium Exchange and Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2010, 285, 5646-5652.	3.4	18
135	Effects of Polyamines on a Continuous Cell-Free Protein Synthesis System of an Extreme Thermophile, <i>Thermus thermophilus</i> . <i>Journal of Biochemistry</i> , 1993, 114, 732-734.	1.7	17
136	A new method for identifying the amino acid attached to a particular RNA in the cell. <i>FEBS Letters</i> , 1996, 381, 195-198.	2.8	17
137	The pathogenic A4269G mutation in human mitochondrial tRNA <sup>Ala</sup> alters the T-stem structure and decreases the binding affinity for elongation factor Tu. <i>Genes To Cells</i> , 2004, 9, 243-252.	1.2	17
138	Esterification of <i>Escherichia coli</i> tRNAs with D-Histidine and D-Lysine by Aminoacyl-tRNA Synthetases. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005, 69, 1040-1041.	1.3	16
139	Twin-Arginine-Dependent Translocation of SufI in the Absence of Cytosolic Helper Proteins. <i>Biochemistry</i> , 2009, 48, 5096-5105.	2.5	16
140	Magnetic resonance imaging of hepatocellular carcinoma: a pictorial review of novel insights into pathophysiological features revealed by magnetic resonance imaging. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2010, 17, 583-589.	2.6	16
141	Traveling Time of a Translating Ribosome along Messenger RNA Monitored Directly on a Quartz Crystal Microbalance. <i>Journal of the American Chemical Society</i> , 2012, 134, 6793-6800.	13.7	16
142	Efficacy of ribavirin against malignant glioma cell lines. <i>Oncology Letters</i> , 2014, 8, 2469-2474.	1.8	16
143	Down-regulation of the Mitochondrial Translation System during Terminal Differentiation of HL-60 cells by 12-O-Tetradecanoyl-1-phorbol-13-acetate. <i>Journal of Biological Chemistry</i> , 2003, 278, 45318-45324.	3.4	15
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