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	Acute celiac artery compression syndrome with superior mesenteric artery stenosis and aortic stenosis: A rare but life-threatening complication after adult spinal deformity surgery. Journal of Orthopaedic Science, 2023, 28, 490-494.	1.1	5
2	Systemic-pulmonary collateral supply associated with clinical severity of chronic thromboembolic pulmonary hypertension: a study using intra-aortic computed tomography angiography. European Radiology, 2022, 32, 7668-7679.	4.5	1
3	Significance of systolic-phase imaging on full-phase ECG-gated CT angiography to detect intimal tears in aortic dissection. Heart and Vessels, 2022, 37, 1947-1956.	1.2	2
4	CT-guided mapping in the removal of an impalpable, radiopaque foreign body in subcutaneous tissue: a case report. Journal of Wound Care, 2020, 29, 424-426.	1.2	0
5	Detection of the intimal tear in aortic dissection and ulcer-like projection in intramural hematoma: usefulness of full-phase retrospective ECG-gated CT angiography. Japanese Journal of Radiology, 2020, 38, 1036-1045.	2.4	10
6	In vitro reconstitution of functional small ribosomal subunit assembly for comprehensive analysis of ribosomal elements in E. coli. Communications Biology, 2020, 3, 142.	4.4	26
7	Effects of data count and image scaling on Deep Learning training. PeerJ Computer Science, 2020, 6, e312.	4.5	12
8	Antitumor effect of lenalidomide in malignant glioma cell lines. Oncology Reports, 2020, 43, 1580-1590.	2.6	6
9	The bacterial protein YidC accelerates MPIase-dependent integration of membrane proteins. Journal of Biological Chemistry, 2019, 294, 18898-18908.	3.4	15
10	Interferon-Î² sensitizes human malignant melanoma cells to temozolomide-induced apoptosis and autophagy. International Journal of Oncology, 2019, 54, 1864-1874.	3.3	6
11	Force measurements show that uL4 and uL24 mechanically stabilize a fragment of 23S rRNA essential for ribosome assembly. Rna, 2019, 25, 472-480.	3.5	3
12	CdsA is involved in biosynthesis of glycolipid MPIase essential for membrane protein integration in vivo. Scientific Reports, 2019, 9, 1372.	3.3	23
13	Artificial photosynthetic cell producing energy for protein synthesis. Nature Communications, 2019, 10, 1325.	12.8	269
14	Value of Cardiac Magnetic Resonance Fractal Analysis Combined With Myocardial Strain in Discriminating Isolated Left Ventricular Noncompaction and Dilated Cardiomyopathy. Journal of Magnetic Resonance Imaging, 2019, 50, 153-163.	3.4	20
15	Promotion of TRAIL/Apo2Lâ€induced apoptosis by lowâ€dose interferonâ€Î² in human malignant melanoma cells. Journal of Cellular Physiology, 2019, 234, 13510-13524.	4.1	11
16	Highâ€resolution crystal structure of peptidylâ€tRNA hydrolase from Thermus thermophilus. Proteins: Structure, Function and Bioinformatics, 2019, 87, 226-235.	2.6	2
17	3T MRI evaluation of regional catecholamine-producing tumor-induced myocardial injury. Endocrine Connections, 2019, 8, 454-461.	1.9	2
18	IFNâ€Î² sensitizes TRAILâ€induced apoptosis by upregulation of death receptor 5 in malignant glioma cells. Oncology Reports, 2019, 42, 2635-2643.	2.6	5

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19	Efficacy of ribavirin against malignant glioma cell lines: Follow-up study. Oncology Reports, 2018, 39, 537-544.	2.6	9
20	Large-scale aggregation analysis of eukaryotic proteins reveals an involvement of intrinsically disordered regions in protein folding. Scientific Reports, 2018, 8, 678.	3.3	26
21	De Novo Synthesis of Basal Bacterial Cell Division Proteins FtsZ, FtsA, and ZipA Inside Giant Vesicles. ACS Synthetic Biology, 2018, 7, 953-961.	3.8	65
22	G-Protein Coupled Receptor Protein Synthesis on a Lipid Bilayer Using a Reconstituted Cell-Free Protein Synthesis System. Life, 2018, 8, 54.	2.4	19
23	Construction of integrated gene logic-chip. Nature Nanotechnology, 2018, 13, 933-940.	31.5	42
24	Reconstitution of 30S ribosomal subunits in vitro using ribosome biogenesis factors. Rna, 2018, 24, 1512-1519.	3.5	22
25	Four-Dimensional Flow Magnetic Resonance Imaging for Cardiovascular Imaging: from Basic Concept to Clinical Application. Cardiovascular Imaging Asia, 2018, 2, 85.	0.1	6
26	Computational Fluid Dynamics Modeling in Aortic Diseases. Cardiovascular Imaging Asia, 2018, 2, 58.	0.1	6
27	Production and characterization of genetically modified human IL-11 variants. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 205-217.	2.4	4
28	Comprehensive study of liposome-assisted synthesis of membrane proteins using a reconstituted cell-free translation system. Scientific Reports, 2016, 5, 18025.	3.3	35
29	A Geometrical-Characteristics Study in Patient-Specific FSI Analysis of Blood Flow in the Thoracic Aorta. Modeling and Simulation in Science, Engineering and Technology, 2016, , 379-386.	0.6	40
30	The Termination Phase in Protein Synthesis is not Obligatorily Followed by the RRF/EF-G-Dependent Recycling Phase. Journal of Molecular Biology, 2016, 428, 3577-3587.	4.2	10
31	70S-scanning initiation is a novel and frequent initiation mode of ribosomal translation in bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1180-9.	7.1	82
32	Oxidation of a Cysteine Residue in Elongation Factor EF-Tu Reversibly Inhibits Translation in the Cyanobacterium Synechocystis sp. PCC 6803. Journal of Biological Chemistry, 2016, 291, 5860-5870.	3.4	41
33	RNA Study Using DNA Nanotechnology. Progress in Molecular Biology and Translational Science, 2016, 139, 121-163.	1.7	0
34	Characterization of glioma stem-like cells from human glioblastomas. International Journal of Oncology, 2015, 47, 91-96.	3.3	22
35	Antitumorigenic effect of interferon-Î² by inhibition of undifferentiated glioblastoma cells. International Journal of Oncology, 2015, 47, 1647-1654.	3.3	8
36	Large-scale analysis of macromolecular crowding effects on protein aggregation using a reconstituted cell-free translation system. Frontiers in Microbiology, 2015, 6, 1113.	3.5	11

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37	pH responsiveness of fibrous assemblies of repeatâ€sequence amphipathic Î±â€helix polypeptides. Protein Science, 2015, 24, 883-894.	7.6	2
38	Single-Molecule Analysis of the Target Cleavage Reaction by the Drosophila RNAi Enzyme Complex. Molecular Cell, 2015, 59, 125-132.	9.7	48
39	Oxidation of translation factor EF-G transiently retards the translational elongation cycle inEscherichia coli. Journal of Biochemistry, 2015, 158, 165-172.	1.7	14
40	Differential Effects of IFN-Î² on the Survival and Growth of Human Vascular Smooth Muscle and Endothelial Cells. BioResearch Open Access, 2015, 4, 1-15.	2.6	6
41	The PURE system for the cell-free synthesis of membrane proteins. Nature Protocols, 2015, 10, 1328-1344.	12.0	122
42	Cell-Free Synthesis of SecYEG Translocon as the Fundamental Protein Transport Machinery. Origins of Life and Evolution of Biospheres, 2014, 44, 331-334.	1.9	7
43	Efficacy of ribavirin against malignant glioma cell lines. Oncology Letters, 2014, 8, 2469-2474.	1.8	16
44	Ribosome Rescue and Translation Termination at Non-Standard Stop Codons by ICT1 in Mammalian Mitochondria. PLoS Genetics, 2014, 10, e1004616.	3.5	58
45	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. Radiology, 2014, 272, 275-283.	7.3	23
46	Inâ€...Vitro Synthesis of the E. coli Sec Translocon from DNA. Angewandte Chemie - International Edition, 2014, 53, 7535-7538.	13.8	69
47	Role of positions e and g in the fibrous assembly formation of an amphipathic Î±â€helixâ€forming polypeptide. Biopolymers, 2014, 102, 260-272.	2.4	3
48	CT findings of gastric and intestinal anisakiasis. Abdominal Imaging, 2014, 39, 257-261.	2.0	41
49	PURE ribosome display and its application in antibody technology. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1925-1932.	2.3	24
50	The PURE System for Protein Production. Methods in Molecular Biology, 2014, 1118, 275-284.	0.9	30
51	Purified cell-free systems as standard parts for synthetic biology. Current Opinion in Chemical Biology, 2014, 22, 158-162.	6.1	29
52	Protein synthesis yield increased 72 times in the cell-free PURE system. Integrative Biology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	23
53	FSI analysis of the blood flow and geometrical characteristics in the thoracic aorta. Computational Mechanics, 2014, 54, 1035-1045.	4.0	81
54	Assessment of the Relationship Between Native Thoracic Aortic Curvature and Endoleak Formation After TEVAR Based on Linear Discriminant Analysis. Studies in Classification, Data Analysis, and Knowledge Organization, 2014, , 179-192.	0.2	1

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55	Signal Recognition Particle and SecA Cooperate during Export of Secretory Proteins with Highly Hydrophobic Signal Sequences. PLoS ONE, 2014, 9, e92994.	2.5	11
56	Blood Flow Analysis Using Medical Imaging Data and Streamline Visualization. Mathematics for Industry, 2014, , 103-108.	0.4	0
57	Risk factors for adverse reactions from contrast agents for computed tomography. BMC Medical Informatics and Decision Making, 2013, 13, 18.	3.0	28
58	Pyrrole-imidazole polyamide, a synthetic DNA-binding compound, is effective at increasing levels of wild-type mtDNA in both cybrid cells and MELAS patient-derived fibroblast cells with the MELAS A3243G mutation by a selective promotion of wild-type replication. Mitochondrion, 2013, 13, 924-925.	3.4	0
59	Unbiased Tracking of the Progression of mRNA and Protein Synthesis in Bulk and in Liposomeâ€Confined Reactions. ChemBioChem, 2013, 14, 1963-1966.	2.6	39
60	Numerical simulation of blood flow in the thoracic aorta using a centerline-fitted finite difference approach. Japan Journal of Industrial and Applied Mathematics, 2013, 30, 701-710.	0.9	9
61	Effects of Chain Length of an Amphipathic Polypeptide Carrying the Repeated Amino Acid Sequence (LETLAKA)_n on Î±-Helix and Fibrous Assembly Formation. Biochemistry, 2013, 52, 2810-2820.	2.5	5
62	Nuclear Respiratory Factor 2Î² (NRF-2Î²) Recruits NRF-2Î± to the Nucleus by Binding to Importin-Î±:Î² via an Unusual Monopartite-Type Nuclear Localization Signal. Journal of Molecular Biology, 2013, 425, 3536-3548.	4.2	2
63	Gadoxetic acid-enhanced MRI compared with CT during angiography in the diagnosis of hepatocellular carcinoma. Magnetic Resonance Imaging, 2013, 31, 748-754.	1.8	34
64	Direct Monitoring of Initiation Factor Dynamics through Formation of 30S and 70S Translationâ€“Initiation Complexes on a Quartz Crystal Microbalance. Chemistry - A European Journal, 2013, 19, 6807-6816.	3.3	5
65	Translation Enhancer Improves the Ribosome Liberation from Translation Initiation. Journal of the American Chemical Society, 2013, 135, 13096-13106.	13.7	32
66	Human G-proteins, ObgH1 and Mtg1, associate with the large mitochondrial ribosome subunit and are involved in translation and assembly of respiratory complexes. Nucleic Acids Research, 2013, 41, 3713-3722.	14.5	51
67	Crystallization and preliminary X-ray analysis of peptidyl-tRNA hydrolase fromThermus thermophilusHB8. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 332-335.	0.7	1
68	Functional analysis of membranous Fo-a subunit of F1Fo-ATP synthase by in vitro protein synthesis. Biochemical Journal, 2012, 442, 631-638.	3.7	44
69	Structural basis for the substrate recognition and catalysis of peptidyl-tRNA hydrolase. Nucleic Acids Research, 2012, 40, 10521-10531.	14.5	27
70	Target Specificity of an Autoreactive Pathogenic Human Î³Î´-T Cell Receptor in Myositis. Journal of Biological Chemistry, 2012, 287, 20986-20995.	3.4	41
71	Asthma Severity Is a Risk Factor for Acute Hypersensitivity Reactions to Contrast Agents. Chest, 2012, 141, 1367-1368.	0.8	8
72	Severity of Pseudofilling Defect in the Left Atrial Appendage on Cardiac Computed Tomography Is a Simple Predictor of the Degree of Left Atrial Emptying Dysfunction in Patients With Chronic Atrial Fibrillation. Journal of Computer Assisted Tomography, 2012, 36, 450-454.	0.9	3

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73	Type 1 IFN inhibits the growth factor deprived apoptosis of cultured human aortic endothelial cells and protects the cells from chemically induced oxidative cytotoxicity. Journal of Cellular Biochemistry, 2012, 113, 3823-3834.	2.6	6
74	Crystal structure analysis of the translation factor RF3 (release factor 3). FEBS Letters, 2012, 586, 3705-3709.	2.8	30
75	Elongation Factor G Is a Critical Target during Oxidative Damage to the Translation System of Escherichia coli*. Journal of Biological Chemistry, 2012, 287, 28697-28704.	3.4	20
76	Traveling Time of a Translating Ribosome along Messenger RNA Monitored Directly on a Quartz Crystal Microbalance. Journal of the American Chemical Society, 2012, 134, 6793-6800.	13.7	16
77	Peptide Screening Using PURE Ribosome Display. Methods in Molecular Biology, 2012, 805, 251-259.	0.9	13
78	Robust in vitro affinity maturation strategy based on interface-focused high-throughput mutational scanning. Biochemical and Biophysical Research Communications, 2012, 428, 395-400.	2.1	31
79	A pictorial review of acute aortic syndrome: discriminating and overlapping features as revealed by ECG-gated multidetector-row CT angiography. Insights Into Imaging, 2012, 3, 561-571.	3.4	41
80	Global analysis of chaperone effects using a reconstituted cell-free translation system. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8937-8942.	7.1	143
81	Discriminant Analysis of Native Thoracic Aortic Curvature: Risk Prediction for Endoleak Formation After Thoracic Endovascular Aortic Repair. Journal of Vascular and Interventional Radiology, 2011, 22, 974-979.e2.	0.5	37
82	Single molecule imaging of the trans-translation entry process via anchoring of the tagged ribosome. Journal of Biochemistry, 2011, 149, 609-618.	1.7	22
83	A pictorial review of benign hepatocellular nodular lesions: comprehensive radiological assessment incorporating the concept of anomalous portal tract syndrome. Journal of Hepato-Biliary-Pancreatic Sciences, 2011, 18, 386-396.	2.6	13
84	Crystallization and preliminary X-ray analysis of peptidyl-tRNA hydrolase fromEscherichia coliin complex with the acceptor-TΨC domain of tRNA. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1566-1569.	0.7	9
85	Amphiphilic Polysaccharide Nanogels as Artificial Chaperones in Cellâ€Free Protein Synthesis. Macromolecular Bioscience, 2011, 11, 814-820.	4.1	30
86	Application of micro-reactor chip technique for millisecond quenching of deuterium incorporation into 70S ribosomal protein complex. International Journal of Mass Spectrometry, 2011, 302, 132-138.	1.5	13
87	Recruitment of a species-specific translational arrest module to monitor different cellular processes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6073-6078.	7.1	57
88	Impact of Quantitatively Determined Native Thoracic Aortic Tortuosity on Endoleak Development After Thoracic Endovascular Aortic Repair. American Journal of Roentgenology, 2011, 197, W1140-W1146.	2.2	36
89	The Finite Element Method Analysis for the Stress Intensity Factors Using a Path Independent ÃŠ-integral Formula. Zairyo/Journal of the Society of Materials Science, Japan, 2011, 60, 1031-1036.	0.2	0
90	A Highly Controllable Reconstituted Cell-Free System -a Breakthrough in Protein Synthesis Research. Current Pharmaceutical Biotechnology, 2010, 11, 267-271.	1.6	52

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91	Magnetic resonance imaging of hepatocellular carcinoma: a pictorial review of novel insights into pathophysiological features revealed by magnetic resonance imaging. Journal of Hepato-Biliary-Pancreatic Sciences, 2010, 17, 583-589.	2.6	16
92	A bacterial elongation factor G homologue exclusively functions in ribosome recycling in the spirochaete Borrelia burgdorferi. Molecular Microbiology, 2010, 75, 1445-1454.	2.5	24
93	Pyothorax-Associated Lymphoma: Imaging Findings. American Journal of Roentgenology, 2010, 194, 76-84.	2.2	26
94	Mg2+ Dependence of 70 S Ribosomal Protein Flexibility Revealed by Hydrogen/Deuterium Exchange and Mass Spectrometry. Journal of Biological Chemistry, 2010, 285, 5646-5652.	3.4	18
95	Incomplete Endograft Apposition to the Aortic Arch: Bird-Beak Configuration Increases Risk of Endoleak Formation after Thoracic Endovascular Aortic Repair. Radiology, 2010, 255, 645-652.	7.3	157
96	Production of Multi-Subunit Complexes on Liposome Through an E. coli Cell-Free Expression System. Methods in Molecular Biology, 2010, 607, 161-171.	0.9	20
97	PURE Technology. Methods in Molecular Biology, 2010, 607, 11-21.	0.9	93
98	Analysis of the functional consequences of lethal mutations in mitochondrial translational elongation factors. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 692-698.	3.8	11
99	A novel complete reconstitution system for membrane integration of the simplest membrane protein. Biochemical and Biophysical Research Communications, 2010, 394, 733-736.	2.1	41
100	Ribosome Display with the PURE Technology. Methods in Molecular Biology, 2010, 607, 219-225.	0.9	14
101	Epitope Mapping Using Ribosome Display in a Reconstituted Cell-Free Protein Synthesis System. Journal of Biochemistry, 2009, 145, 693-700.	1.7	21
102	Radiofrequency Ablation of the Liver: Determination of Ablative Margin at MR Imaging with Impaired Clearance of Ferucarbotranâ€"Feasibility Study. Radiology, 2009, 251, 557-565.	7.3	49
103	Bimodal protein solubility distribution revealed by an aggregation analysis of the entire ensemble of Escherichia coli proteins. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4201-4206.	7.1	253
104	Unconventional decoding of the AUA codon as methionine by mitochondrial tRNA Met with the anticodon f 5 CAU as revealed with a mitochondrial in vitro translation system. Nucleic Acids Research, 2009, 37, 1616-1627.	14.5	99
105	Real-Time Monitoring of Cell-Free Translation on a Quartz-Crystal Microbalance. Journal of the American Chemical Society, 2009, 131, 9326-9332.	13.7	24
106	Twin-Arginine-Dependent Translocation of SufI in the Absence of Cytosolic Helper Proteins. Biochemistry, 2009, 48, 5096-5105.	2.5	16
107	A synthetic biology approach to the construction of membrane proteins in semi-synthetic minimal cells. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 567-574.	2.6	216
108	EF-G2mt Is an Exclusive Recycling Factor in Mammalian Mitochondrial Protein Synthesis. Molecular Cell, 2009, 35, 502-510.	9.7	95

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109	Functional computed tomography imaging of tumor-induced angiogenesis: preliminary results of new tracer kinetic modeling using a computer discretization approach. Radiation Medicine, 2008, 26, 213-221.	0.8	3
110	Assessment of the uterine artery before uterine arterial embolization: Comparison of unenhanced 3D water-excitation sensitivity-encoding time-of-flight (WEST) and gadolinium-enhanced 3D sensitivity-encoding water-excitation multishot echo-planar (SWEEP) MR angiography. Journal of Magnetic Resonance Imaging, 2008, 27, 557-562.	3.4	6
111	70â€‰S Ribosomes Bind to Shineâ€“Dalgarno Sequences without Required Dissociations. ChemBioChem, 2008, 9, 870-873.	2.6	13
112	Characterization of the catalytic activity of the ÃŽÂ³-phage lysin, PlyG, specific forBacillus anthracis. FEMS Microbiology Letters, 2008, 286, 236-240.	1.8	28
113	Development of a Minimal Cell-Free Translation System for the Synthesis of Presecretory and Integral Membrane Proteins. Biotechnology Progress, 2008, 21, 1243-1251.	2.6	60
114	HMRF1L is a human mitochondrial translation release factor involved in the decoding of the termination codons UAA and UAG. Genes To Cells, 2008, 13, 429-438.	1.2	36
115	Breast-conserving surgery using supine magnetic resonance imaging in breast cancer patients receiving neoadjuvant chemotherapy. Breast, 2008, 17, 245-251.	2.2	25
116	Polyadenylation in mammalian mitochondria: Insights from recent studies. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 266-269.	1.9	36
117	UncI protein can mediate ring-assembly of c-subunits of FoF1-ATP synthase in vitro. Biochemical and Biophysical Research Communications, 2008, 367, 663-666.	2.1	36
118	The human mitochondrial translation release factor HMRF1L is methylated in the GGQ motif by the methyltransferase HMPrmC. Biochemical and Biophysical Research Communications, 2008, 373, 99-103.	2.1	22
119	Imaging of the Thoracic Aorta Before and After Stent-Graft Repair of Aneurysms and Dissections. Seminars in Thoracic and Cardiovascular Surgery, 2008, 20, 348.e1-348.e16.	0.6	29
120	Single-molecule imaging of full protein synthesis by immobilized ribosomes. Nucleic Acids Research, 2008, 36, e70-e70.	14.5	41
121	Comprehensive detection of human terminal oligo-pyrimidine (TOP) genes and analysis of their characteristics. Nucleic Acids Research, 2008, 36, 3707-3715.	14.5	103
122	Low conservation and species-specific evolution of alternative splicing in humans and mice: comparative genomics analysis using well-annotated full-length cDNAs. Nucleic Acids Research, 2008, 36, 6386-6395.	14.5	27
123	Chaperone Properties of Mammalian Mitochondrial Translation Elongation Factor Tu. Journal of Biological Chemistry, 2007, 282, 4076-4084.	3.4	62
124	Efficient protein selection based on ribosome display system with purified components. Biochemical and Biophysical Research Communications, 2007, 352, 270-276.	2.1	115
125	Ribosomal Protein S1 Is not Essential for the trans-translation Machinery. Journal of Molecular Biology, 2007, 368, 845-852.	4.2	27
126	Nuclear respiratory factor 2 activates transcription of human mitochondrial translation initiation factor 2 gene. Mitochondrion, 2007, 7, 195-203.	3.4	8

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127	Elongation Factor Tu Mutants Expand Amino Acid Tolerance of Protein Biosynthesis System. Journal of the American Chemical Society, 2007, 129, 14458-14462.	13.7	98
128	Multifocal peripheral nerve involvement associated with multiple myeloma. Skeletal Radiology, 2007, 36, 1191-1193.	2.0	9
129	Extraskeletal mesenchymal chondrosarcoma of the cervical meninx. Radiation Medicine, 2007, 25, 355-358.	0.8	4
130	Spermidine inhibits transient and stable ribosome subunit dissociation. FEBS Letters, 2006, 580, 1222-1226.	2.8	18
131	Lymphadenopathy in the Mesenteric Pedicle of the Free Jejunal Flap. Journal of Computer Assisted Tomography, 2006, 30, 65-67.	0.9	9
132	The role of interface framework residues in determining antibody VH/VL interaction strength and antigen-binding affinity. FEBS Journal, 2006, 273, 2184-2194.	4.7	32
133	Cell-free translation systems for protein engineering. FEBS Journal, 2006, 273, 4133-4140.	4.7	95
134	Crystal structures of leucyl/phenylalanyl-tRNA-protein transferase and its complex with an aminoacyl-tRNA analog. EMBO Journal, 2006, 25, 5942-5950.	7.8	54
135	Trends in oncological CT imaging: clinical application of multidetector-row CT and 3D-CT imaging. International Journal of Clinical Oncology, 2006, 11, 268-277.	2.2	14
136	Hepatic Metastases: Diffusion-weighted Sensitivity-encoding versus SPIO-enhanced MR Imaging. Radiology, 2006, 239, 122-130.	7.3	301
137	SmpB Triggers GTP Hydrolysis of Elongation Factor Tu on Ribosomes by Compensating for the Lack of Codon-Anticodon Interaction during Trans-translation Initiation. Journal of Biological Chemistry, 2006, 281, 15987-15996.	3.4	34
138	Delayed Gadolinium-enhanced MR to Determine Glycosaminoglycan Concentration in Reparative Cartilage after Autologous Chondrocyte Implantation: Preliminary Results. Radiology, 2006, 239, 201-208.	7.3	136
139	Kinetic analysis of ribosome binding process onto mRNA using a quartz-crystal microbalance. Nucleic Acids Symposium Series, 2006, 50, 49-50.	0.3	4
140	Co-translational Binding of GroEL to Nascent Polypeptides Is Followed by Post-translational Encapsulation by GroES to Mediate Protein Folding. Journal of Biological Chemistry, 2006, 281, 21813-21819.	3.4	32
141	Preoperative Navigation of Nephron-Sparing Surgery. , 2006, , 397-414.		2
142	Identification of Warthin Tumor. Journal of Computer Assisted Tomography, 2005, 29, 506-512.	0.9	23
143	Diffusion-Weighted Imaging of Prostate Cancer. Journal of Computer Assisted Tomography, 2005, 29, 149-153.	0.9	173
144	Time Course Evaluation of Reparative Cartilage with MR Imaging after Autologous Chondrocyte Implantation. Cell Transplantation, 2005, 14, 695-700.	2.5	9

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145	Pharmacokinetic analysis of ductal carcinoma in situ of the breast using dynamic MR mammography. European Radiology, 2005, 15, 1353-1360.	4.5	46
146	Esterification ofEschericia colitRNAs withD-Histidine andD-Lysine by Aminoacyl-tRNA Synthetases. Bioscience, Biotechnology and Biochemistry, 2005, 69, 1040-1041.	1.3	16
147	Human Mitochondrial mRNAs Are Stabilized with Polyadenylation Regulated by Mitochondria-specific Poly(A) Polymerase and Polynucleotide Phosphorylase. Journal of Biological Chemistry, 2005, 280, 19721-19727.	3.4	162
148	Co-translational Involvement of the Chaperonin GroEL in the Folding of Newly Translated Polypeptides. Journal of Biological Chemistry, 2005, 280, 12035-12040.	3.4	56
149	Protein synthesis by pure translation systems. Methods, 2005, 36, 299-304.	3.8	331
150	MR imaging of salivary duct carcinoma. American Journal of Neuroradiology, 2005, 26, 1201-6.	2.4	49
151	Evidence for the Translation Initiation of Leaderless mRNAs by the Intact 70 S Ribosome without Its Dissociation into Subunits in Eubacteria. Journal of Biological Chemistry, 2004, 279, 8539-8546.	3.4	101
152	The pathogenic A4269G mutation in human mitochondrial tRNAIlealters the T-stem structure and decreases the binding affinity for elongation factor Tu. Genes To Cells, 2004, 9, 243-252.	1.2	17
153	Structural basis for template-independent RNA polymerization. Nature, 2004, 430, 700-704.	27.8	96
154	Chaperone-assisted folding of a single-chain antibody in a reconstituted translation system. Biochemical and Biophysical Research Communications, 2004, 320, 1359-1364.	2.1	43
155	CT and MR imaging of chondroblastoma of the temporal bone. European Journal of Radiology Extra, 2004, 49, 41-45.	0.1	3
156	An Analysis of Chest Wall and Diaphragm Motions in Patients With Idiopathic Scoliosis Using Dynamic Breathing MRI. Spine, 2004, 29, 298-302.	2.0	80
157	Selective Intra-Arterial 3-Dimensional Computed Tomography Angiography for Preoperative Evaluation of Nephron-Sparing Surgery. Journal of Computer Assisted Tomography, 2004, 28, 496-504.	0.9	13
158	Inter- and Intratumoral Variability in Magnetic Resonance Imaging of Pleomorphic Adenoma. Journal of Computer Assisted Tomography, 2004, 28, 233-246.	0.9	90
159	Warthin tumor of the parotid gland: diagnostic value of MR imaging with histopathologic correlation. American Journal of Neuroradiology, 2004, 25, 1256-62.	2.4	125
160	A Point Mutation in Ribosomal Protein L7/L12 Reduces Its Ability to Form a Compact Dimer Structure and to Assemble into the GTPase Centerâ€. Biochemistry, 2003, 42, 4691-4698.	2.5	9
161	A case of simultaneous occurrence of retroperitoneal fibrosis and SAPHO syndrome: is it coincident or correlated?. European Journal of Radiology Extra, 2003, 48, 27-30.	0.1	0
162	Down-regulation of the Mitochondrial Translation System during Terminal Differentiation of HL-60 cells by 12-O-Tetradecanoyl-1-phorbol-13-acetate. Journal of Biological Chemistry, 2003, 278, 45318-45324.	3.4	15

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163	A Novel Screening System for Self-mRNA Targeting Proteins. Journal of Biochemistry, 2003, 133, 485-491.	1.7	8
164	Decreased CCA-addition in Human Mitochondrial tRNAs Bearing a Pathogenic A4317G or A10044G Mutation. Journal of Biological Chemistry, 2003, 278, 16828-16833.	3.4	32
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