

# Kiyoshi Yasukawa

## List of Publications by Year in descending order

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146  
papers

7,462  
citations

159585

30  
h-index

54911

84  
g-index

147  
all docs

147  
docs citations

147  
times ranked

4928  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complementary DNA for a novel human interleukin (BSF-2) that induces B lymphocytes to produce immunoglobulin. <i>Nature</i> , 1986, 324, 73-76.	27.8	2,028
2	Interleukin-6 triggers the association of its receptor with a possible signal transducer, gp130. <i>Cell</i> , 1989, 58, 573-581.	28.9	1,387
3	CNTF and LIF act on neuronal cells via shared signaling pathways that involve the IL-6 signal transducing receptor component gp130. <i>Cell</i> , 1992, 69, 1121-1132.	28.9	723
4	Expansion of human NOD/SCID-repopulating cells by stem cell factor, Flk2/Flt3 ligand, thrombopoietin, IL-6, and soluble IL-6 receptor. <i>Journal of Clinical Investigation</i> , 2000, 105, 1013-1021.	8.2	251
5	Maintenance of the pluripotential phenotype of embryonic stem cells through direct activation of gp130 signalling pathways. <i>Mechanisms of Development</i> , 1994, 45, 163-171.	1.7	200
6	Increased and highly stable levels of functional soluble interleukin-6 receptor in sera of patients with monoclonal gammopathy. <i>European Journal of Immunology</i> , 1993, 23, 820-824.	2.9	195
7	Purification and Characterization of Soluble Human IL-6 Receptor Expressed in CHO Cells. <i>Journal of Biochemistry</i> , 1990, 108, 673-676.	1.7	149
8	Serum soluble interleukin-6 receptor in MRL/lpr mice is elevated with age and mediates the interleukin-6 signal. <i>European Journal of Immunology</i> , 1993, 23, 1078-1082.	2.9	107
9	Differential shedding of the two subunits of the interleukin-6 receptor. <i>FEBS Letters</i> , 1993, 332, 174-178.	2.8	104
10	Anti-human interleukin-6 receptor antibody inhibits human myeloma growth in vivo. <i>European Journal of Immunology</i> , 1992, 22, 1989-1993.	2.9	93
11	Combination of Interleukin-6 and Soluble Interleukin-6 Receptors Induces Differentiation and Activation of JAK-STAT and MAP Kinase Pathways in MG-63 Human Osteoblastic Cells. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 777-785.	2.8	84
12	Activity of interleukin 6 in the differentiation of monocytes to macrophages and dendritic cells. <i>British Journal of Haematology</i> , 2000, 109, 288-295.	2.5	83
13	Structure-Function analysis of human IL-6: Identification of two distinct regions that are important for receptor binding. <i>Protein Science</i> , 1994, 3, 2280-2293.	7.6	81
14	Influence of psychological stress on immune-inflammatory variables in normal humans. Part II. Altered serum concentrations of natural anti-inflammatory agents and soluble membrane antigens of monocytes and T lymphocytes. <i>Psychiatry Research</i> , 1999, 85, 293-303.	3.3	76
15	Intercalation activating fluorescence DNA probe and its application to homogeneous quantification of a target sequence by isothermal sequence amplification in a closed vessel. <i>Analytical Biochemistry</i> , 2003, 314, 77-86.	2.4	55
16	Identification and Characterization of Two Distinct Truncated Forms of gp130 and a Soluble Form of Leukemia Inhibitory Factor Receptor Î±-Chain in Normal Human Urine and Plasma. <i>Journal of Biological Chemistry</i> , 1998, 273, 10798-10805.	3.4	54
17	Biosynthesis and half-life of the interleukin-6 receptor and its signal transducer gp130. <i>FEBS Journal</i> , 1994, 223, 265-274.	0.2	52
18	Leukemia inhibitory factor, LIF receptor, and gp130 in the mouse uterus during early pregnancy. <i>Molecular Reproduction and Development</i> , 1995, 42, 407-414.	2.0	52

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19	Preparation of monoclonal antibodies against the IL-6 signal transducer, gp130, that can inhibit IL-6-mediated functions. <i>Journal of Immunological Methods</i> , 1993, 163, 217-223.	1.4	46
20	Nitric oxide blocks the cell cycle of mouse macrophage-like cells in the early G2+M phase. <i>FEBS Letters</i> , 1994, 340, 159-162.	2.8	46
21	Influence of interleukin-6 (IL-6) autoantibodies on IL-6 binding to cellular receptors. <i>European Journal of Immunology</i> , 1995, 25, 348-354.	2.9	44
22	Increase in thermal stability of Moloney murine leukaemia virus reverse transcriptase by site-directed mutagenesis. <i>Journal of Biotechnology</i> , 2010, 150, 299-306.	3.8	42
23	Comparison of the Thermal Stabilities of Reverse Transcriptases from Avian Myeloblastosis Virus and Moloney Murine Leukaemia Virus. <i>Journal of Biochemistry</i> , 2008, 143, 261-268.	1.7	39
24	DIRECTLY LINKED SOLUBLE IL-6 RECEPTOR IL-6 FUSION PROTEIN INDUCES ASTROCYTE DIFFERENTIATION FROM NEUROEPITHELIAL CELLS VIA ACTIVATION OF STAT3. <i>Cytokine</i> , 2001, 13, 272-279.	3.2	38
25	Engineering, expression, purification, and production of recombinant thermolysin. <i>Biotechnology Annual Review</i> , 2007, 13, 43-64.	2.1	34
26	Soluble Interleukin-6 Receptor Is Released from Receptor-bearing Cell Lines in vitro. <i>Japanese Journal of Cancer Research</i> , 1992, 83, 373-378.	1.7	33
27	Rapid Detection of Mycobacterium tuberculosis in Respiratory Samples by Transcription-Reverse Transcription Concerted Reaction with an Automated System. <i>Journal of Clinical Microbiology</i> , 2005, 43, 5435-5439.	3.9	33
28	Enzyme-linked immunosorbent assay (ELISA) for Aleuria aurantia lectin-reactive serum cholinesterase to differentiate liver cirrhosis and chronic hepatitis. <i>Clinica Chimica Acta</i> , 1995, 243, 1-9.	1.1	32
29	Abnormal distribution of IL-6 receptor in aged MRL/lpr mice: elevated expression on B cells and absence on CD4+ cells. <i>International Immunology</i> , 1992, 4, 1407-1412.	4.0	31
30	Yeast expression of the cytokine receptor domain of the soluble interleukin-6 receptor. <i>Journal of Immunological Methods</i> , 1996, 199, 47-54.	1.4	31
31	Improving the activity and stability of thermolysin by site-directed mutagenesis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 1281-1288.	2.3	31
32	Signal through gp130 Activated by Soluble Interleukin 6 Receptor and IL-6 or IL-6 Fusion Protein Enhances Ex Vivo Expansion of Human Peripheral Blood-Derived Hematopoietic Progenitors. <i>Stem Cells</i> , 2000, 18, 444-452.	3.2	30
33	Expression of cathepsin E in pancreas: A possible tumor marker for pancreas, a preliminary report. , 1996, 67, 492-497.		29
34	Role of the C-terminus in the activity, conformation, and stability of interleukin-6. <i>Protein Science</i> , 1993, 2, 1472-1481.	7.6	28
35	Improving the thermal stability of avian myeloblastosis virus reverse transcriptase $\pm$ -subunit by site-directed mutagenesis. <i>Biotechnology Letters</i> , 2012, 34, 1209-1215.	2.2	28
36	The N-Terminus of gp130 is Critical for the Formation of the High-Affinity Interleukin-6 Receptor Complex. <i>Growth Factors</i> , 1999, 16, 265-278.	1.7	27

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37	Effects of Thermal Treatment on the Coagulation of Soy Proteins Induced by Subtilisin Carlsberg. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 717-723.	5.2	26
38	Insight into the Mechanism of the Stabilization of Moloney Murine Leukaemia Virus Reverse Transcriptase by Eliminating RNase H Activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 440-442.	1.3	26
39	Stimulation of the B9 hybridoma cell line by soluble interleukin-6 receptors. <i>Journal of Immunological Methods</i> , 1994, 173, 229-235.	1.4	25
40	Chemical modification and <sup>1</sup> H-NMR studies on the receptor-binding region of human interleukin 6. <i>FEBS Journal</i> , 1991, 196, 377-384.	0.2	24
41	Inhibitory mechanisms of antibody production by nitrogen oxides released from activated macrophages during the immune response: Relationship to energy consumption. <i>Immunology and Cell Biology</i> , 1994, 72, 241-248.	2.3	24
42	A highly sensitive quantitative bioassay for human interleukin-11. <i>Journal of Immunological Methods</i> , 1994, 173, 19-26.	1.4	24
43	Engineering of the pH-Dependence of Thermolysin Activity as Examined by Site-Directed Mutagenesis of Asn112 Located at the Active Site of Thermolysin. <i>Journal of Biochemistry</i> , 2006, 139, 1017-1023.	1.7	23
44	Rapid and Specific Detection of tdh , trh 1, and trh 2 mRNA of <i>Vibrio parahaemolyticus</i> by Transcription-Reverse Transcription Concerted Reaction with an Automated System. <i>Journal of Clinical Microbiology</i> , 2004, 42, 4284-4292.	3.9	22
45	Effects of the mutational combinations on the activity and stability of thermolysin. <i>Journal of Biotechnology</i> , 2010, 147, 7-16.	3.8	22
46	Extracellular production of recombinant thermolysin expressed in <i>Escherichia coli</i> , and its purification and enzymatic characterization. <i>Protein Expression and Purification</i> , 2006, 46, 248-255.	1.3	21
47	Next-generation sequencing-based analysis of reverse transcriptase fidelity. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 147-153.	2.1	20
48	Expression of Recombinant Human Thyrotropin Receptor in Myeloma Cells. <i>Journal of Biochemistry</i> , 1995, 118, 265-270.	1.7	19
49	Discrimination of liver cirrhosis from chronic hepatitis by measuring the ratio of <i>Aleuria aurantia</i> lectin-reactive serum cholinesterase to immunoreactive protein. <i>Clinica Chimica Acta</i> , 1999, 281, 37-46.	1.1	19
50	A new method for the extracellular production of recombinant thermolysin by co-expressing the mature sequence and pro-sequence in <i>Escherichia coli</i> . <i>Protein Engineering, Design and Selection</i> , 2007, 20, 375-383.	2.1	19
51	Detection of <i>cesA</i> mRNA from <i>Bacillus cereus</i> by RNA-specific amplification. <i>Enzyme and Microbial Technology</i> , 2010, 46, 391-396.	3.2	19
52	Generation of thermostable Moloney murine leukemia virus reverse transcriptase variants using site saturation mutagenesis library and cell-free protein expression system. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 2339-2345.	1.3	19
53	Effects of introducing negative charges into the molecular surface of thermolysin by site-directed mutagenesis on its activity and stability. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 481-488.	2.3	18
54	Further increase in thermostability of Moloney murine leukemia virus reverse transcriptase by mutational combination. <i>Protein Engineering, Design and Selection</i> , 2017, 30, 551-557.	2.1	18

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55	Functional distinction of two regions of human interleukin 6 important for signal transduction via gp130. <i>Cytokine</i> , 1995, 7, 398-407.	3.2	16
56	Differential interleukin-6 (IL-6) responses of three established myeloma cell lines in the presence of soluble human IL-6 receptors. <i>Leukemia Research</i> , 1996, 20, 291-301.	0.8	16
57	Effects of Organic Solvents on the Reverse Transcription Reaction Catalyzed by Reverse Transcriptases from Avian Myeloblastosis Virus and Moloney Murine Leukemia Virus. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1925-1930.	1.3	16
58	Protein engineering of CYP105s for their industrial uses. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 23-31.	2.3	16
59	Effects of Site-directed Mutagenesis of the Surface Residues Gln128 and Gln225 of Thermolysin on its Catalytic Activity. <i>Journal of Biochemistry</i> , 2007, 141, 835-842.	1.7	15
60	Kinetic Analysis of the Digestion of Bovine Type I Collagen Telopeptides with Porcine Pepsin. <i>Journal of Food Science</i> , 2016, 81, C27-34.	3.1	15
61	Site-specific mutagenesis of human interleukin-6 and its biological activity. <i>FEBS Letters</i> , 1991, 281, 167-169.	2.8	14
62	Insights into the Catalytic Roles of the Polypeptide Regions in the Active Site of Thermolysin and Generation of the Thermolysin Variants with High Activity and Stability. <i>Journal of Biochemistry</i> , 2008, 145, 103-113.	1.7	14
63	Two Crystal Structures of Lysyl-tRNA Synthetase from <i>Bacillus stearotherophilus</i> in Complex with Lysyladenylate-Like Compounds: Insights into the Irreversible Formation of the Enzyme-Bound Adenylate of L-Lysine Hydroxamate. <i>Journal of Biochemistry</i> , 2009, 145, 555-563.	1.7	14
64	Effects of amines and aminoalcohols on bovine intestine alkaline phosphatase activity. <i>Enzyme and Microbial Technology</i> , 2011, 49, 171-176.	3.2	14
65	Accurate fidelity analysis of the reverse transcriptase by a modified next-generation sequencing. <i>Enzyme and Microbial Technology</i> , 2018, 115, 81-85.	3.2	14
66	Solvent engineering studies on recombinase polymerase amplification. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 219-224.	2.2	14
67	Role of leucine residues in the C-terminal region of human interleukin-6 in the biological activity. <i>FEBS Letters</i> , 1992, 311, 271-275.	2.8	13
68	Production of an active form of vitamin D 2 by genetically engineered CYP105A1. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 336-341.	2.1	13
69	Enhanced detection of RNA by MMLV reverse transcriptase coupled with thermostable DNA polymerase and DNA/RNA helicase. <i>Enzyme and Microbial Technology</i> , 2017, 96, 111-120.	3.2	13
70	Increase in the thermostability of <i>Bacillus</i> sp. strain TAR-1 xylanase using a site saturation mutagenesis library. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1715-1723.	1.3	13
71	Increase in the thermostability of GH11 xylanase XynJ from <i>Bacillus</i> sp. strain 41M-1 using site saturation mutagenesis. <i>Enzyme and Microbial Technology</i> , 2019, 130, 109363.	3.2	13
72	Characterization of Gly-d-Phe, Gly-l-Leu, and d-Phe as affinity ligands to thermolysin. <i>Protein Expression and Purification</i> , 2006, 46, 332-336.	1.3	12

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73	Enzymatic Characterization of Human Immunodeficiency Virus Type 1 Reverse Transcriptase for Use in cDNA Synthesis. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 77-87.	2.9	12
74	High sensitive RNA detection by one-step RT-PCR using the genetically engineered variant of DNA polymerase with reverse transcriptase activity from hyperthermophilies. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 275-281.	2.2	12
75	Interleukin 6 receptor expression by human cord blood- or peripheral blood-derived primitive haematopoietic progenitors implies acquisition of different functional properties. <i>British Journal of Haematology</i> , 2000, 110, 327-338.	2.5	11
76	Comparison of the Thermal Stabilities of the $\hat{\Gamma}^2$ Heterodimer and the $\hat{\Gamma}$ Subunit of Avian Myeloblastosis Virus Reverse Transcriptase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1618-1620.	1.3	11
77	Interaction of 8-anilinoanthralene 1-sulphonate (ANS) and human matrix metalloproteinase 7 (MMP-7) as examined by MMP-7 activity and ANS fluorescence. <i>Journal of Biochemistry</i> , 2012, 151, 533-540.	1.7	11
78	Stabilization of Moloney murine leukemia virus reverse transcriptase by site-directed mutagenesis of surface residue Val433. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 75-78.	1.3	11
79	Sequential hydroxylation of vitamin D 2 by a genetically engineered CYP105A1. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 853-858.	2.1	11
80	Application of a Euryarchaeota-Specific Helicase from <i>Thermococcus kodakarensis</i> for Noise Reduction in PCR. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3022-3031.	3.1	11
81	Characterization of Moloney Murine Leukaemia Virus/Avian Myeloblastosis Virus Chimeric Reverse Transcriptases. <i>Journal of Biochemistry</i> , 2009, 145, 315-324.	1.7	10
82	Analysis of the Mechanism of Inhibition of Human Matrix Metalloproteinase 7 (MMP-7) Activity by Green Tea Catechins. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1564-1569.	1.3	10
83	Kinetic analysis of inhibition of $\hat{\Gamma}$ -glucosidase by leaf powder from <i>Morus australis</i> and its component iminosugars. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 2149-2156.	1.3	10
84	Optimization of reaction condition of recombinase polymerase amplification to detect SARS-CoV-2 DNA and RNA using a statistical method. <i>Biochemical and Biophysical Research Communications</i> , 2021, 567, 195-200.	2.1	10
85	Both D factor/LIF and IL-6 inhibit the differentiation of mouse teratocarcinoma F9 cells. <i>FEBS Letters</i> , 1991, 282, 401-404.	2.8	9
86	Rapid detection of tdh and trh mRNAs of <i>Vibrio parahaemolyticus</i> by the transcription-reverse transcription concerted (TRC) method. <i>Journal of Bioscience and Bioengineering</i> , 2004, 98, 236-243.	2.2	9
87	Effects of site-directed mutagenesis of Asn116 in the $\hat{\Gamma}$ -hairpin of the N-terminal domain of thermolysin on its activity and stability. <i>Journal of Biochemistry</i> , 2012, 152, 231-239.	1.7	9
88	Effects of neutral salts and pH on the activity and stability of human RNase H2. <i>Journal of Biochemistry</i> , 2017, 162, 211-219.	1.7	9
89	Characterization of proteases activities in <i>Ficus carica</i> cultivars. <i>Journal of Food Science</i> , 2020, 85, 535-544.	3.1	9
90	Synthesis of N-carbobenzoxy-l-aspartyl-l-phenylalanine methyl ester catalyzed by thermolysin variants with improved activity. <i>Enzyme and Microbial Technology</i> , 2010, 46, 320-325.	3.2	8

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91	Effects of Site-Directed Mutagenesis of the Loop Residue of the N-Terminal Domain Gly117 of Thermolysin on Its Catalytic Activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 2457-2462.	1.3	8
92	Effects of Polyethylene Glycol on Bovine Intestine Alkaline Phosphatase Activity and Stability. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 2132-2137.	1.3	8
93	Effects of site-directed mutagenesis in the N-terminal domain of thermolysin on its stabilization. <i>Journal of Biochemistry</i> , 2013, 153, 85-92.	1.7	8
94	Amino acid substitutions away from the RNase H catalytic site increase the thermal stability of Moloney murine leukemia virus reverse transcriptase through RNase H inactivation. <i>Biochemical and Biophysical Research Communications</i> , 2014, 454, 269-274.	2.1	8
95	Inhibition of the DNA polymerase and RNase H activities of HIV-1 reverse transcriptase and HIV-1 replication by <i>Brasenia schreberi</i> (Junsai) and <i>Petasites japonicus</i> (Fuki) components. <i>Journal of Natural Medicines</i> , 2015, 69, 432-440.	2.3	8
96	Coagulation of soy proteins induced by thermolysin and comparison of the coagulation reaction with that induced by subtilisin Carlsberg. <i>Enzyme and Microbial Technology</i> , 2009, 44, 229-234.	3.2	7
97	Stabilization of human immunodeficiency virus type 1 reverse transcriptase by site-directed mutagenesis. <i>Biotechnology Letters</i> , 2013, 35, 2165-2175.	2.2	7
98	Effects of Conversion of the Zinc-Binding Motif Sequence of Thermolysin, HEXXH, to That of Dipeptidyl Peptidase III, HEXXXH, on the Activity and Stability of Thermolysin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 1901-1906.	1.3	7
99	Characterization of six recombinant human RNase H2 bearing Aicardi-GoutiÃ©res syndrome causing mutations. <i>Journal of Biochemistry</i> , 2019, 166, 537-545.	1.7	7
100	Separation of Neutral Glycoasparagines According to Their Content of cisDiol Groups. <i>Bioscience, Biotechnology and Biochemistry</i> , 1992, 56, 1090-1095.	1.3	6
101	Isothermal RNA Sequence Amplification Method for Rapid Antituberculosis Drug Susceptibility Testing of <i>Mycobacterium tuberculosis</i> . <i>Journal of Clinical Microbiology</i> , 2005, 43, 2489-2491.	3.9	6
102	Effects of Neutral Salts and Alcohols on the Activity of <i>Streptomyces caespitosus</i> Neutral Protease. <i>Journal of Biochemistry</i> , 2007, 142, 317-324.	1.7	6
103	Kinetic analysis of reverse transcriptase activity of bacterial family A DNA polymerases. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 654-658.	2.1	6
104	Expression of moloney murine leukemia virus reverse transcriptase in a cell-free protein expression system. <i>Biotechnology Letters</i> , 2016, 38, 1203-1211.	2.2	6
105	RNA/DNA structures recognized by RNase H2. <i>Briefings in Functional Genomics</i> , 2018, 18, 169-173.	2.7	6
106	Construction and characterization of ribonuclease H2 knockout NIH3T3 cells. <i>Journal of Biochemistry</i> , 2019, 165, 249-256.	1.7	6
107	Inhibitory effect of <i>Morus australis</i> leaf extract and its component iminosugars on intestinal carbohydrate-digesting enzymes. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 226-233.	2.2	6
108	Inhibition of HIV-1 Reverse Transcriptase Activity by the Extracts of Indian Plants. <i>Journal of Biological Macromolecules</i> , 2020, 20, 17-22.	0.3	6



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109	Alteration of enzymes and their application to nucleic acid amplification (Review). International Journal of Molecular Medicine, 2020, 46, 1633-1643.	4.0	6
110	Alteration of enzymes and their application to nucleic acid amplification (Review). International Journal of Molecular Medicine, 2020, 46, 1633-1643.	4.0	6
111	Preparation and characterization of the RNase H domain of Moloney murine leukemia virus reverse transcriptase. Protein Expression and Purification, 2015, 113, 44-50.	1.3	5
112	Development of immersion vaccine for bacterial cold-water disease in ayu <i>Plecoglossus altivelis</i> . Bioscience, Biotechnology and Biochemistry, 2017, 81, 608-613.	1.3	5
113	High sensitive one-step RT-PCR using MMLV reverse transcriptase, DNA polymerase with reverse transcriptase activity, and DNA/RNA helicase. Biochemical and Biophysical Research Communications, 2017, 487, 128-133.	2.1	5
114	Comparative studies on the activities of collagenases from <i>Grimontia hollisae</i> and <i>Clostridium histolyticum</i> in the hydrolysis of synthetic substrates. Journal of Biochemistry, 2018, 163, 425-431.	1.7	5
115	Development of robust isothermal RNA amplification assay for lab-free testing of RNA viruses. Scientific Reports, 2021, 11, 15997.	3.3	5
116	A possibility of a protein-bound water molecule as the ionizable group responsible for pKe at the alkaline side in human matrix metalloproteinase 7 activity. Journal of Biochemistry, 2012, 151, 501-509.	1.7	4
117	The cleavage site preference of the porcine pepsin on the N-terminal $\pm 1$ chain of bovine type I collagen: a focal analysis with mass spectrometry. Bioscience, Biotechnology and Biochemistry, 2017, 81, 514-522.	1.3	4
118	Thermostable DNA helicase improves the sensitivity of digital PCR. Biochemical and Biophysical Research Communications, 2018, 495, 2189-2194.	2.1	4
119	Development of an efficient one-step real-time reverse transcription polymerase chain reaction method for severe acute respiratory syndrome-coronavirus-2 detection. PLoS ONE, 2021, 16, e0252789.	2.5	4
120	Insight into the mechanism of thermostabilization of GH10 xylanase from <i>Bacillus</i> sp. strain TAR-1 by the mutation of S92 to E. Bioscience, Biotechnology and Biochemistry, 2021, 85, 386-390.	1.3	4
121	Modified <i>uvrY</i> by N-terminal hexahistidine tag addition enhances efficiency of recombinase polymerase amplification to detect SARS-CoV-2 DNA. Molecular Biology Reports, 2022, 49, 2847-2856.	2.3	4
122	Studies of cytokine-cytokine receptor interactions: Influence of ligand dimerization. Techniques in Protein Chemistry, 1995, 6, 417-425.	0.3	3
123	Expression of recombinant antibody against cancer-specific carbohydrate. Journal of Bioscience and Bioengineering, 1995, 79, 405-409.	0.9	3
124	Purification to Homogeneity of a Neutral Metalloproteinase from <i>Streptomyces caespitosus</i> . Bioscience, Biotechnology and Biochemistry, 2007, 71, 1773-1776.	1.3	3
125	Stabilization of Bovine Intestine Alkaline Phosphatase by Sugars. Bioscience, Biotechnology and Biochemistry, 2012, 76, 95-100.	1.3	3
126	Effects of Mutations of Thermolysin, Asn116 to Asp and Asp150 to Glu, on Salt-Induced Activation and Stabilization. Bioscience, Biotechnology and Biochemistry, 2013, 77, 741-746.	1.3	3



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127	Inhibition of HIV-1 Reverse Transcriptase Activity by <i>Brasenia schreberi</i> (Junsai) Components. <i>Journal of Biological Macromolecules</i> , 2014, 14, 59-65.	0.3	3
128	Enzymatic Activities of RNase H Domains of HIV-1 Reverse Transcriptase with Substrate Binding Domains of Bacterial RNases H1 and H2. <i>Molecular Biotechnology</i> , 2015, 57, 526-538.	2.4	3
129	DNA-based mutation assay GPMA (genome profiling-based mutation assay): reproducibility, parts-per-billion scale sensitivity, and introduction of a mammalian-cell-based approach. <i>Journal of Biochemistry</i> , 2017, 162, 395-401.	1.7	3
130	The roles of histidine and tyrosine residues in the active site of collagenase in <i>Grimontia hollisae</i> . <i>Journal of Biochemistry</i> , 2020, 168, 385-392.	1.7	3
131	Val143 of human ribonuclease H2 is not critical for, but plays a role in determining catalytic activity and substrate specificity. <i>PLoS ONE</i> , 2020, 15, e0228774.	2.5	3
132	Comparison of the stability of CYP105A1 and its variants engineered for production of active forms of vitamin D. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, 86, 444-454.	1.3	3
133	Inhibition of $\alpha$ -amylase and $\beta$ -glucosidase by <i>Morus australis</i> fruit extract and its components iminosugar, anthocyanin, and glucose. <i>Journal of Food Science</i> , 2022, 87, 1672-1683.	3.1	3
134	An establishment of ELISA for murine IL-6. <i>Biotechnology Letters</i> , 1992, 6, 365-370.	0.5	2
135	Use of a surface plasmon resonance biosensor for the determination of binding constants of transiently expressed recombinant antibody to its antigen. <i>Biotechnology Letters</i> , 1996, 10, 547-552.	0.5	2
136	Fusion protein of interleukin-6 and interleukin-6 receptor without a polypeptide linker. <i>Journal of Bioscience and Bioengineering</i> , 2003, 96, 38-46.	2.2	2
137	Effects of heparin and cholesterol sulfate on the activity and stability of human matrix metalloproteinase 7. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 41-48.	1.3	2
138	Type II restriction modification system in <i>Ureaplasma parvum</i> OMC-P162 strain. <i>PLoS ONE</i> , 2018, 13, e0205328.	2.5	2
139	Comparison of sensitivity and rapidness of PCR, recombinase polymerase amplification, and RNA-specific amplification for detection of Rice yellow mottle virus. <i>Journal of Biological Macromolecules</i> , 2021, 21, 27.	0.3	2
140	Insight into the collagen-degrading activity of a serine protease in the latex of <i>Ficus carica</i> cultivar Masui Dauphine. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1147-1156.	1.3	2
141	Improvement of Moloney murine leukemia virus reverse transcriptase thermostability by introducing a disulfide bridge in the ribonuclease H region. <i>Protein Engineering, Design and Selection</i> , 2021, 34, .	2.1	2
142	Improvement in Performance of Affinity Gels Containing Gly-D-Phe as a Ligand to Thermolysin Due to Increasing the Spacer Chain Length. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 2083-2086.	1.3	1
143	Effects of salts on the interaction of 8-anilino-naphthalene 1-sulphonate and thermolysin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 1522-1528.	1.3	1
144	Inhibitory Effect of Bread Containing Powdered <i>Morus australis</i> Leaves on Postprandial Elevation of Blood Glucose. <i>Nihon EiyÅ•ShokuryÅ•Gakkai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science</i> , 2021, 74, 15-20.	0.2	1

#	ARTICLE	IF	CITATIONS
145	The mutation of Thr315 to Asn of GH10 xylanase XynR increases the alkaliphily but decreases the alkaline resistance. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1853-1860.	1.3	1
146	Analysis of ribonucleotide content in the genomic DNA of ribonuclease H2 A subunit (RH2A)-knockout NIH3T3 cells after transient expression of wild-type RH2A or RH2A variants with an Aicardiã€ˆGoutiã€ˆres syndrome-causing mutation. <i>Journal of Biochemistry</i> , 2022, 172, 225-231.	1.7	1