

[19] Rapid and efficient site-specific mutagenesis without

Methods in Enzymology

154, 367-382

DOI: 10.1016/0076-6879(87)54085-x

Citation Report

#	ARTICLE	IF	CITATIONS
1	Histidine phosphorylation and phosphoryl group transfer in bacterial chemotaxis. <i>Nature</i> , 1988, 336, 139-143.	27.8	431
2	Enhanced protein thermostability from designed mutations that interact with $\alpha$ -helix dipoles. <i>Nature</i> , 1988, 336, 651-656.	27.8	307
3	Purification and properties of mitochondrial uracil-DNA glycosylase from rat liver. <i>Biochemistry</i> , 1988, 27, 6742-6751.	2.5	88
4	Site-directed mutagenesis and high-resolution NMR spectroscopy of the active site of porphobilinogen deaminase. <i>Biochemistry</i> , 1988, 27, 7984-7990.	2.5	62
5	Yeast iso-1-cytochrome c: Genetic analysis of structural requirements. <i>FEBS Letters</i> , 1988, 231, 275-283.	2.8	64
6	New yeast-Escherichia coli shuttle vectors constructed with in vitro mutagenized yeast genes lacking six-base pair restriction sites. <i>Gene</i> , 1988, 74, 527-534.	2.2	2,923
7	A multisite-directed mutagenesis using T7 DNA polymerase: application for reconstructing a mammalian gene. <i>Gene</i> , 1988, 69, 81-89.	2.2	52
8	Point mutations in the Human Vitamin D Receptor Gene Associated with Hypocalcemic Rickets. <i>Science</i> , 1988, 242, 1702-1705.	12.6	495
9	Site-directed mutagenesis of $\beta$ -galactosidase (E. coli) reveals that tyr-503 is essential for activity. <i>Biochemical and Biophysical Research Communications</i> , 1988, 152, 1050-1055.	2.1	40
10	Separation and characterization of a poly(A) polymerase and a cleavage/specificity factor required for pre-mRNA polyadenylation. <i>Cell</i> , 1988, 52, 731-742.	28.9	204
11	Antibody-selectable filamentous fd phage vectors: affinity purification of target genes. <i>Gene</i> , 1988, 73, 305-318.	2.2	840
12	Mutational analysis of the tRNA mimicry of brome mosaic virus RNA. <i>Journal of Molecular Biology</i> , 1988, 201, 41-55.	4.2	74
13	Site-directed mutations in the VDJ junctional region of a T cell receptor $\beta$ chain cause changes in antigenic peptide recognition. <i>Cell</i> , 1988, 54, 473-484.	28.9	181
14	Alternative splicing of SV40 early pre-mRNA is determined by branch site selection.. <i>Genes and Development</i> , 1988, 2, 1460-1475.	5.9	81
15	Efficiency of translation initiation by non-AUG codons in <i>Saccharomyces cerevisiae</i> .. <i>Molecular and Cellular Biology</i> , 1988, 8, 4533-4536.	2.3	81
16	Cellular transcription factors and regulation of IL-2 receptor gene expression by HTLV-I tax gene product. <i>Science</i> , 1988, 241, 89-92.	12.6	370
17	5' splice site selection in yeast: genetic alterations in base-pairing with U1 reveal additional requirements.. <i>Genes and Development</i> , 1988, 2, 1258-1267.	5.9	294
18	Cysteine residues in the zinc finger and amino acids adjacent to the finger are necessary for DNA binding by the LAC9 regulatory protein of <i>Kluyveromyces lactis</i> .. <i>Molecular and Cellular Biology</i> , 1988, 8, 3726-3733.	2.3	39

#	ARTICLE	IF	CITATIONS
19	Sequence and structural requirements of a herpes simplex viral DNA replication origin.. Molecular and Cellular Biology, 1988, 8, 4018-4027.	2.3	68
20	The 289-amino acid E1A protein of adenovirus binds zinc in a region that is important for trans-activation.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 6450-6454.	7.1	124
21	Uracil-DNA glycosylase inhibitor of bacteriophage PBS2: cloning and effects of expression of the inhibitor gene in Escherichia coli. Journal of Bacteriology, 1988, 170, 1082-1091.	2.2	60
22	Evidence that the M2 membrane-spanning region lines the ion channel pore of the nicotinic receptor. Science, 1988, 242, 1578-1581.	12.6	377
23	Nonsense mutations in the human beta-globin gene affect mRNA metabolism.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 2056-2060.	7.1	234
24	Dual translational initiation sites control function of the lambda S gene.. EMBO Journal, 1989, 8, 3501-3510.	7.8	80
25	Modification of nuclear lamin proteins by a mevalonic acid derivative occurs in reticulocyte lysates and requires the cysteine residue of the C-terminal CXXM motif.. EMBO Journal, 1989, 8, 4007-4013.	7.8	171
26	The unique insert of cellular and viral fms protein tyrosine kinase domains is dispensable for enzymatic and transforming activities.. EMBO Journal, 1989, 8, 2029-2037.	7.8	66
27	Analysis of mutational alterations in the hydrophilic segment of the maltose-binding protein signal peptide. Journal of Bacteriology, 1989, 171, 2303-2311.	2.2	84
28	Gene VI of figwort mosaic virus (caulimovirus group) functions in posttranscriptional expression of genes on the full-length RNA transcript.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 9203-9207.	7.1	100
29	Mechanism of erythromycin-induced ermC mRNA stability in Bacillus subtilis. Journal of Bacteriology, 1989, 171, 5803-5811.	2.2	76
30	A protein required for transcriptional regulation of Agrobacterium virulence genes spans the cytoplasmic membrane. Journal of Bacteriology, 1989, 171, 1616-1622.	2.2	99
31	Ntr-like promoters and upstream regulatory sequence ftr are required for transcription of a developmentally regulated Caulobacter crescentus flagellar gene. Journal of Bacteriology, 1989, 171, 3218-3227.	2.2	88
32	Mutations that improve export of maltose-binding protein in SecB- cells of Escherichia coli. Journal of Bacteriology, 1989, 171, 4640-4647.	2.2	40
33	“Sticky feet”-directed mutagenesis and its application to swapping antibody domains. Nucleic Acids Research, 1989, 17, 10163-10170.	14.5	68
34	Mutations in the glucocorticoid receptor zinc finger region that distinguish interdigitated DNA binding and transcriptional enhancement activities.. Genes and Development, 1989, 3, 1590-1601.	5.9	226
35	Sequence specificity of the P6 pairing for splicing of the group I intron of phage T4. Nucleic Acids Research, 1989, 17, 9147-9163.	14.5	20
36	In vitro import of cytochrome c peroxidase into the intermembrane space: release of the processed form by intact mitochondria.. Journal of Cell Biology, 1989, 109, 101-112.	5.2	34

#	ARTICLE	IF	CITATIONS
37	A method for introducing random single point deletions in specific DNA target sequences using oligonucleotides. Nucleic Acids Research, 1989, 17, 4015-4023.	14.5	7
38	Compensatory mutations demonstrate that P8 and P6 are RNA secondary structure elements important for processing of a group I intron. Nucleic Acids Research, 1989, 17, 675-689.	14.5	52
39	Mammalian pre-mRNA branch site selection by U2 snRNP involves base pairing.. Genes and Development, 1989, 3, 1553-1561.	5.9	309
40	The Nucleotide Sequence of a Soybean Mosaic Virus Coat Protein-coding Region and Its Expression in Escherichia coli, Agrobacterium tumefaciens and Tobacco Callus. Journal of General Virology, 1989, 70, 1853-1860.	2.9	76
41	Mutant potassium channels with altered binding of charybdotoxin, a pore-blocking peptide inhibitor. Science, 1989, 245, 1382-1385.	12.6	356
42	Cleavage of HIV-1 gag Polyprotein Synthesized In Vitro: Sequential Cleavage by the Viral Protease. AIDS Research and Human Retroviruses, 1989, 5, 577-591.	1.1	193
43	Positive and negative regulation of the gene for transcription factor IIIA in Xenopus laevis oocytes.. Genes and Development, 1989, 3, 651-662.	5.9	71
44	Translational repression by bacteriophage MS2 coat protein does not require cysteine residues. Nucleic Acids Research, 1989, 17, 6017-6027.	14.5	17
45	Restoration of a translational stop-start overlap reinstates translational coupling in a mutant trp operon of the Escherichia coli tryptophan operon. Nucleic Acids Research, 1989, 17, 9333-9340.	14.5	35
46	Single amino acid changes that alter the DNA sequence specificity of the DNA-[N6-adenine] methyltransferase (Dam) of bacteriophage T4. Nucleic Acids Research, 1989, 17, 8149-8157.	14.5	18
47	Infectious TYMV RNA from cloned cDNA: effects in vitro and in vivo of point substitutions in the initiation codons of two extensively overlapping ORFs. Nucleic Acids Research, 1989, 17, 4675-4687.	14.5	120
48	Transcription of a human U6 small nuclear RNA gene in vivo withstands deletion of intragenic sequences but not of an upstream TATATA box. Nucleic Acids Research, 1989, 17, 7371-7379.	14.5	68
49	Transcription factor E2F is required for efficient expression of the hamster dihydrofolate reductase gene in vitro and in vivo.. Molecular and Cellular Biology, 1989, 9, 4994-5002.	2.3	353
50	Changes in the size of pulse-labelled DNA fragments induced in human cells by inhibitors of uracil-DNA glycosylase and DNA methylation. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1989, 213, 135-140.	1.0	1
51	Temperature-Gradient gel electrophoresis of nucleic acids: Analysis of conformational transitions, sequence variations, and protein-nucleic acid interactions. Electrophoresis, 1989, 10, 377-389.	2.4	228
52	Site-directed mutagenesis of bacterial luciferase: Analysis of the "essential" thiol. Luminescence, 1989, 4, 40-48.	0.0	41
53	Context specific misreading of phenylalanine codons. Molecular Genetics and Genomics, 1989, 218, 397-401.	2.4	30
54	High efficiency transformation of intact yeast cells using single stranded nucleic acids as a carrier. Current Genetics, 1989, 16, 339-346.	1.7	2,191

#	ARTICLE	IF	CITATIONS
55	The pro-peptide is not necessary for active renin secretion from transfected mammalian cells. <i>Proteins: Structure, Function and Bioinformatics</i> , 1989, 5, 259-265.	2.6	21
56	Deletions and replacements of omega loops in yeast iso-1-cytochrome c. <i>Proteins: Structure, Function and Bioinformatics</i> , 1989, 6, 372-381.	2.6	38
57	Cysteine-22 and cysteine-38 are not essential for the functions of maltoporin (LamB protein). <i>FEMS Microbiology Letters</i> , 1989, 61, 335-339.	1.8	14
58	Complete mutagenesis of the HIV-1 protease. <i>Nature</i> , 1989, 340, 397-400.	27.8	357
59	Changing Fos oncoprotein to a Jun-independent DNA-binding protein with GCN4 dimerization specificity by swapping "leucine zippers". <i>Nature</i> , 1989, 341, 74-76.	27.8	94
60	Substantial increase of protein stability by multiple disulphide bonds. <i>Nature</i> , 1989, 342, 291-293.	27.8	412
61	Directed mutagenesis to probe the structure and function of photosystem II. <i>Physiologia Plantarum</i> , 1989, 77, 436-443.	5.2	13
62	The role of a static bend in the DNA of the <i>aroF</i> regulatory region of <i>Escherichia coli</i> . <i>Gene</i> , 1989, 75, 185-191.	2.2	6
63	Expression and activity of a gene encoding rat cytochrome c in the yeast <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1989, 83, 1-14.	2.2	26
64	Mutations in the cytoplasmic domain of the 275 kd mannose 6-phosphate receptor differentially alter lysosomal enzyme sorting and endocytosis. <i>Cell</i> , 1989, 57, 787-796.	28.9	287
65	Ectopic expression of the proto-oncogene <i>int-1</i> in <i>Xenopus</i> embryos leads to duplication of the embryonic axis. <i>Cell</i> , 1989, 58, 1075-1084.	28.9	482
66	Intron mobility in the T-even phages: High frequency inheritance of group I introns promoted by intron open reading frames. <i>Cell</i> , 1989, 56, 455-465.	28.9	142
67	Regulation of p34cdc2 protein kinase during mitosis. <i>Cell</i> , 1989, 58, 361-372.	28.9	584
68	Analysis of the promoter region of the melanin locus from <i>Streptomyces antibioticus</i> . <i>Gene</i> , 1989, 84, 267-277.	2.2	17
69	Preparation of heavy-atom derivatives using site-directed mutagenesis. <i>Journal of Molecular Biology</i> , 1989, 208, 661-667.	4.2	50
70	Plus-strand priming by Moloney murine leukemia virus. <i>Journal of Molecular Biology</i> , 1989, 208, 445-456.	4.2	94
71	Hydrophobic interactions via mutants of <i>Escherichia coli</i> dihydrofolate reductase: separation of binding and catalysis. <i>Biochemistry</i> , 1989, 28, 3025-3031.	2.5	52
72	Analysis of the ribonuclease H activity of HIV-1 reverse transcriptase using RNA:DNA hybrid substrates derived from the gag region of HIV-1. <i>Biochemistry</i> , 1989, 28, 9088-9094.	2.5	29

#	ARTICLE	IF	CITATIONS
73	On the effects of replacing the carboxylate-binding arginine-171 by hydrophobic tyrosine or tryptophan residues in the L-lactate dehydrogenase from <i>Bacillus stearothermophilus</i> . <i>Biochemistry</i> , 1989, 28, 6605-6610.	2.5	12
74	Pyridoxal 5'-phosphate dependent histidine decarboxylase: overproduction, purification, biosynthesis of soluble site-directed mutant proteins and replacement of conserved residues. <i>Biochemistry</i> , 1989, 28, 7306-7313.	2.5	49
75	Control of enzyme activity by an engineered disulfide bond. <i>Science</i> , 1989, 243, 792-794.	12.6	223
76	Random and site-directed mutagenesis of bacterial luciferase: investigation of the aldehyde binding site. <i>Biochemistry</i> , 1989, 28, 2684-2689.	2.5	27
77	Use of site-directed mutagenesis to destabilize native apomyoglobin relative to folding intermediates. <i>Biochemistry</i> , 1989, 28, 4415-4422.	2.5	131
78	Dissection of the effector-binding site and complementation studies of <i>Escherichia coli</i> phosphofructokinase using site-directed mutagenesis. <i>Biochemistry</i> , 1989, 28, 6841-6847.	2.5	42
79	Site-specific alteration of Gly-24 in streptokinase: Its effect on plasminogen activation. <i>Biochemical and Biophysical Research Communications</i> , 1989, 165, 1085-1090.	2.1	17
80	Identification of a small intracellular region of the muscarinic m3 receptor as a determinant of selective coupling to PI turnover. <i>FEBS Letters</i> , 1989, 258, 133-136.	2.8	101
81	Contributions of left-handed helical residues to the structure and stability of bacteriophage T4 lysozyme. <i>Journal of Molecular Biology</i> , 1989, 210, 181-193.	4.2	52
82	Directed alteration of the D1 polypeptide of photosystem II: evidence that tyrosine-161 is the redox component, Z, connecting the oxygen-evolving complex to the primary electron donor, P680. <i>Biochemistry</i> , 1989, 28, 6960-6969.	2.5	339
83	DNA specificity of the bicoid activator protein is determined by homeodomain recognition helix residue 9. <i>Cell</i> , 1989, 57, 1275-1283.	28.9	512
84	Construction of mutant and chimeric genes using the polymerase chain reaction. <i>Nucleic Acids Research</i> , 1989, 17, 723-733.	14.5	244
85	Stabilization of phage T4 lysozyme by engineered disulfide bonds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 6562-6566.	7.1	258
86	Transcription terminates near the poly(A) site in the CYC1 gene of the yeast <i>Saccharomyces cerevisiae</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 8348-8352.	7.1	86
87	A gene required for transfer of T-DNA to plants encodes an ATPase with autophosphorylating activity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 9677-9681.	7.1	149
88	Role of intron splicing in the function of the MATA1 gene of <i>Saccharomyces cerevisiae</i> .. <i>Molecular and Cellular Biology</i> , 1989, 9, 4613-4620.	2.3	13
89	<i>Kluyveromyces lactis</i> maintains <i>Saccharomyces cerevisiae</i> intron-encoded splicing signals.. <i>Molecular and Cellular Biology</i> , 1989, 9, 2208-2213.	2.3	58
90	Sequence elements in the human osteocalcin gene confer basal activation and inducible response to hormonal vitamin D3.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 4455-4459.	7.1	392

#	ARTICLE	IF	CITATIONS
91	Dramatic thermostabilization of yeast iso-1-cytochrome c by an asparagine→isoleucine replacement at position 57.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 496-499.	7.1	98
92	Molecular and biochemical characterization of the human trk proto-oncogene.. Molecular and Cellular Biology, 1989, 9, 24-33.	2.3	610
93	The mutations in Ashkenazi Jews with adult GM2 gangliosidosis, the adult form of Tay-Sachs disease. Science, 1989, 243, 1471-1474.	12.6	152
94	Novel N-terminal amino acid sequence required for retention of a hepatitis B virus glycoprotein in the endoplasmic reticulum.. Molecular and Cellular Biology, 1989, 9, 4459-4466.	2.3	105
95	Avian retroviral long terminal repeats bind CCAAT/enhancer-binding protein.. Molecular and Cellular Biology, 1989, 9, 1155-1164.	2.3	176
96	Mechanism of activation of the human trk oncogene.. Molecular and Cellular Biology, 1989, 9, 15-23.	2.3	50
97	The common src homology region 2 domain of cytoplasmic signaling proteins is a positive effector of v-fps tyrosine kinase function.. Molecular and Cellular Biology, 1989, 9, 4131-4140.	2.3	107
98	Positive and negative regulation of basal expression of a yeast HSP70 gene.. Molecular and Cellular Biology, 1989, 9, 2025-2033.	2.3	81
99	Site-directed mutagenesis of the phosphocarrier protein. IIIGlc, a major signal-transducing protein in Escherichia coli.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 4052-4055.	7.1	65
100	Delineation of three functional domains of the transcriptional activator encoded by the c-myb protooncogene.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 5758-5762.	7.1	345
101	Mutations in the Escherichia coli UvrB ATPase motif compromise excision repair capacity. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 6577-6581.	7.1	75
102	Positively charged amino acid residues can act as topogenic determinants in membrane proteins.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 9446-9450.	7.1	130
103	RNA polymerase II subunit RPB3 is an essential component of the mRNA transcription apparatus.. Molecular and Cellular Biology, 1989, 9, 5387-5394.	2.3	107
104	Structural and functional analyses of Saccharomyces cerevisiae wild-type and mutant RNA1 genes.. Molecular and Cellular Biology, 1989, 9, 2989-2999.	2.3	74
105	Derivation of an infectious viral RNA by autolytic cleavage of in vitro transcribed viral cDNAs.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 4823-4827.	7.1	30
106	Identification of critical regions in mouse granulocyte-macrophage colony-stimulating factor by scanning-deletion analysis.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 4872-4876.	7.1	43
107	Role of capsid precursor processing and myristoylation in morphogenesis and infectivity of human immunodeficiency virus type 1.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 5781-5785.	7.1	901
108	Sequences downstream of AAUAAA signals affect pre-mRNA cleavage and polyadenylation in vitro both directly and indirectly.. Molecular and Cellular Biology, 1989, 9, 1759-1771.	2.3	70



#	ARTICLE	IF	CITATIONS
109	A 20-kilodalton protein is required for efficient production of the <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> 27-kilodalton crystal protein in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1989, 171, 521-530.	2.2	103
110	Bacterial luciferase alpha beta fusion protein is fully active as a monomer and highly sensitive in vivo to elevated temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 6528-6532.	7.1	88
111	Point mutations in a conserved region (TonB box) of <i>Escherichia coli</i> outer membrane protein BtuB affect vitamin B12 transport. <i>Journal of Bacteriology</i> , 1989, 171, 6526-6533.	2.2	117
112	tRNA-like structures and gene regulation at the translational level: a case of molecular mimicry in <i>Escherichia coli</i> . <i>EMBO Journal</i> , 1989, 8, 2417-2424.	7.8	79
113	Site-specific transposition of insertion sequence IS630. <i>Journal of Bacteriology</i> , 1990, 172, 3830-3836.	2.2	32
114	Lysis protein S of phage lambda functions in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bacteriology</i> , 1990, 172, 7275-7277.	2.2	24
115	Overexpression of the STE4 gene leads to mating response in haploid <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1990, 10, 217-222.	2.3	158
116	Genetic and biochemical evaluation of eucaryotic membrane protein topology: multiple transmembrane domains of <i>Saccharomyces cerevisiae</i> 3-hydroxy-3-methylglutaryl coenzyme A reductase. <i>Molecular and Cellular Biology</i> , 1990, 10, 672-680.	2.3	76
117	Selectivity of the cleavage/attachment site of phosphatidylinositol-glycan-anchored membrane proteins determined by site-specific mutagenesis at Asp-484 of placental alkaline phosphatase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 157-161.	7.1	123
118	The insulin receptor with phenylalanine replacing tyrosine-1146 provides evidence for separate signals regulating cellular metabolism and growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 3358-3362.	7.1	116
119	Conserved aspartate residues and phosphorylation in signal transduction by the chemotaxis protein CheY. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 41-45.	7.1	273
120	Efficient site-specific cleavage by RNase MRP requires interaction with two evolutionarily conserved mitochondrial RNA sequences. <i>Molecular and Cellular Biology</i> , 1990, 10, 2191-2201.	2.3	50
121	RNA polymerase II subunit composition, stoichiometry, and phosphorylation. <i>Molecular and Cellular Biology</i> , 1990, 10, 1915-1920.	2.3	135
122	Activation of the proto-oncogene p60c-src by point mutations in the SH2 domain. <i>Molecular and Cellular Biology</i> , 1990, 10, 2855-2862.	2.3	94
123	cis- and trans-acting regulatory elements of the yeast URA3 promoter. <i>Molecular and Cellular Biology</i> , 1990, 10, 5257-5270.	2.3	100
124	In vitro analysis of promoter elements regulating transcription of the phosphoenolpyruvate carboxykinase (GTP) gene. <i>Molecular and Cellular Biology</i> , 1990, 10, 480-485.	2.3	41
125	The permissive role of glucocorticoids on interleukin-1 stimulation of angiotensinogen gene transcription is mediated by an interaction between inducible enhancers. <i>Molecular and Cellular Biology</i> , 1990, 10, 4389-4395.	2.3	62
126	Fine-structure mutational analysis of a stage- and tissue-specific promoter element of the <i>Drosophila</i> glue gene Sgs-3. <i>Molecular and Cellular Biology</i> , 1990, 10, 5991-6002.	2.3	21



#	ARTICLE	IF	CITATIONS
127	Reversible import of apocytochrome c into mitochondria.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4996-5000.	7.1	32
128	A nucleosome-positioning sequence is required for GCN4 to activate transcription in the absence of a TATA element.. Molecular and Cellular Biology, 1990, 10, 4256-4265.	2.3	51
129	The C6 zinc finger and adjacent amino acids determine DNA-binding specificity and affinity in the yeast activator proteins LAC9 and PPR1.. Molecular and Cellular Biology, 1990, 10, 5128-5137.	2.3	24
130	A directly repeated sequence in the beta-globin promoter regulates transcription in murine erythroleukemia cells.. Molecular and Cellular Biology, 1990, 10, 972-981.	2.3	57
131	In vivo and in vitro analyses of an intron-encoded DNA endonuclease from yeast mitochondria. Recognition site by site-directed mutagenesis. Nucleic Acids Research, 1990, 18, 5659-5666.	14.5	49
132	Site-directed mutagenesis of $\beta$ -lactamase I. Single and double mutants of Glu-166 and Lys-73. Biochemical Journal, 1990, 272, 613-619.	3.7	136
133	Elimination of a reactive thiol group from the active site of chloramphenicol acetyltransferase. Biochemical Journal, 1990, 272, 499-504.	3.7	12
134	Transposon vectors containing non-antibiotic resistance selection markers for cloning and stable chromosomal insertion of foreign genes in gram-negative bacteria. Journal of Bacteriology, 1990, 172, 6557-6567.	2.2	1,568
135	Transcriptional activation and DNA binding by the erythroid factor GF-1/NF-E1/Eryf 1.. Genes and Development, 1990, 4, 1886-1898.	5.9	401
136	Repression and catabolite repression of the lactose operon of Staphylococcus aureus. Journal of Bacteriology, 1990, 172, 3804-3812.	2.2	89
137	Translational efficiency of phi X174 lysis gene E is unaffected by upstream translation of the overlapping gene D reading frame. Journal of Bacteriology, 1990, 172, 5617-5623.	2.2	14
138	Transcriptional induction of an Agrobacterium regulatory gene at tandem promoters by plant-released phenolic compounds, phosphate starvation, and acidic growth media. Journal of Bacteriology, 1990, 172, 2433-2438.	2.2	133
139	The <i>arcB</i> gene of <i>Escherichia coli</i> encodes a sensor-regulator protein for anaerobic repression of the <i>arc</i> modulon. Molecular Microbiology, 1990, 4, 715-727.	2.5	211
140	Interconversion of the DNA-binding specificities of two related transcription regulators, CRP and FNR. Molecular Microbiology, 1990, 4, 1831-1838.	2.5	81
141	High level expression in <i>Escherichia coli</i> of a fungal gene under the control of strong promoters. FEMS Microbiology Letters, 1990, 68, 45-51.	1.8	10
142	Change of a single amino acid in the leader peptide of a staphylococcal $\beta$ -lactamase prevents the appearance of the enzyme in the medium. FEMS Microbiology Letters, 1990, 69, 249-254.	1.8	3
143	Engineering Resistance to Mixed Virus Infection in a Commercial Potato Cultivar: Resistance to Potato Virus X and Potato Virus Y in Transgenic Russet Burbank. Nature Biotechnology, 1990, 8, 127-134.	17.5	207
144	Primary structure and functional expression from complementary DNA of a human interleukin-1 receptor antagonist. Nature, 1990, 343, 341-346.	27.8	1,088

#	ARTICLE	IF	CITATIONS
145	Human U2 snRNA can function in pre-mRNA splicing in yeast. <i>Nature</i> , 1990, 345, 270-273.	27.8	48
146	Substitution of a proline for alanine 183 in the hinge region of phosphoglycerate kinase: Effects on catalysis, activation by sulfate, and thermal stability. <i>The Protein Journal</i> , 1990, 9, 59-67.	1.1	18
147	Yeast-derived recombinant human insulin-like growth factor I: Production, purification, and structural characterization. <i>The Protein Journal</i> , 1990, 9, 95-104.	1.1	52
148	Thermodynamic profiles of penicillin G hydrolysis catalyzed by wild-type and Met $\alpha$ 'Ala168 mutant penicillin acylases from <i>Kluyvera citrophila</i> . <i>BBA - Proteins and Proteomics</i> , 1990, 1037, 133-139.	2.1	26
149	Embryonic transcriptional activation of a <i>Xenopus</i> cytoskeletal actin gene does not require a serum response element. <i>Roux's Archives of Developmental Biology</i> , 1990, 199, 89-96.	1.2	3
150	Construction of full-length cDNA clones of cucumber mosaic virus RNAs 1, 2 and 3: Generation of infectious RNA transcripts. <i>Molecular Genetics and Genomics</i> , 1990, 222, 249-256.	2.4	156
151	Development of a heat shock inducible expression cassette for plants: Characterization of parameters for its use in transient expression assays. <i>Plant Molecular Biology</i> , 1990, 14, 949-967.	3.9	56
152	Manipulation of $\beta$ -glucuronidase for use as a reporter in vacuolar targeting studies. <i>Plant Molecular Biology</i> , 1990, 15, 821-825.	3.9	32
153	Rapid high-performance liquid chromatography of nucleic acids with polystyrene-based micropellicular anion exchangers. <i>Journal of Chromatography A</i> , 1990, 508, 61-73.	3.7	41
154	The <i>Xenopus laevis</i> poly(A) binding protein is composed of multiple functionally independent RNA binding domains.. <i>EMBO Journal</i> , 1990, 9, 3699-3705.	7.8	121
155	Identification of essential elements in U14 RNA of <i>Saccharomyces cerevisiae</i> .. <i>EMBO Journal</i> , 1990, 9, 4503-4509.	7.8	67
156	The lethal lambda S gene encodes its own inhibitor.. <i>EMBO Journal</i> , 1990, 9, 981-989.	7.8	85
157	Transcription of a nematode trans-spliced leader RNA requires internal elements for both initiation and 3' end-formation.. <i>EMBO Journal</i> , 1990, 9, 1915-1921.	7.8	43
158	Purification of the <i>Escherichia coli</i> purine regulon repressor and identification of corepressors. <i>Journal of Bacteriology</i> , 1990, 172, 5637-5642.	2.2	77
159	Effect of altering GATC sequences in the plasmid ColE1 primer promoter. <i>Journal of Bacteriology</i> , 1990, 172, 1762-1768.	2.2	12
160	Structure-function studies of nerve growth factor: functional importance of highly conserved amino acid residues.. <i>EMBO Journal</i> , 1990, 9, 1477-1483.	7.8	67
161	Deletion analysis of the 51-kilodalton protein of the <i>Bacillus sphaericus</i> 2362 binary mosquitocidal toxin: construction of derivatives equivalent to the larva-processed toxin. <i>Journal of Bacteriology</i> , 1990, 172, 6759-6763.	2.2	31
162	SecB-independent export of <i>Escherichia coli</i> ribose-binding protein (RBP): some comparisons with export of maltose-binding protein (MBP) and studies with RBP-MBP hybrid proteins. <i>Journal of Bacteriology</i> , 1990, 172, 6875-6884.	2.2	40

#	ARTICLE	IF	CITATIONS
163	Structural and genetic organization of IS232, a new insertion sequence of <i>Bacillus thuringiensis</i> . <i>Journal of Bacteriology</i> , 1990, 172, 6689-6696.	2.2	47
164	Fatty acids on the A/Japan/305/57 influenza virus hemagglutinin have a role in membrane fusion.. <i>EMBO Journal</i> , 1990, 9, 3857-3866.	7.8	89
165	A family of constitutive C/EBP-like DNA binding proteins attenuate the IL-1 alpha induced, NF kappa B mediated trans-activation of the angiotensinogen gene acute-phase response element.. <i>EMBO Journal</i> , 1990, 9, 3933-3944.	7.8	170
166	trans activation of human alcohol dehydrogenase gene expression in hepatoma cells by C/EBP molecules bound in a novel arrangement just 5' and 3' to the TATA box.. <i>Molecular and Cellular Biology</i> , 1990, 10, 5007-5010.	2.3	31
167	SecY, a multispanning integral membrane protein, contains a potential leader peptidase cleavage site. <i>Journal of Bacteriology</i> , 1990, 172, 2888-2893.	2.2	17
168	The nematode spliced leader RNA participates in trans-splicing as an Sm snRNP.. <i>EMBO Journal</i> , 1990, 9, 3667-3673.	7.8	39
169	Distinct sequence elements control the specificity of G protein activation by muscarinic acetylcholine receptor subtypes.. <i>EMBO Journal</i> , 1990, 9, 4381-4390.	7.8	188
170	Unexpected flexibility in an evolutionarily conserved protein-RNA interaction: genetic analysis of the Sm binding site.. <i>EMBO Journal</i> , 1990, 9, 2555-2561.	7.8	80
171	Identification of a region in segment 1 of gelsolin critical for actin binding.. <i>EMBO Journal</i> , 1990, 9, 4103-4109.	7.8	187
172	Mutations affecting primer RNA interaction with the replication repressor RNA I in plasmid ColE1: potential RNA folding pathway mutants.. <i>EMBO Journal</i> , 1990, 9, 295-304.	7.8	23
173	Conservation of a dual-start motif in P22 lysis gene regulation. <i>Journal of Bacteriology</i> , 1990, 172, 204-211.	2.2	27
174	Identification of a <i>Caulobacter</i> basal body structural gene and a cis-acting site required for activation of transcription. <i>Journal of Bacteriology</i> , 1990, 172, 6066-6076.	2.2	46
175	Isolation and characterization of <i>Rhodobacter capsulatus</i> mutants defective in oxygen regulation of the puf operon. <i>Journal of Bacteriology</i> , 1990, 172, 4549-4554.	2.2	37
176	The kil-kor regulon of broad-host-range plasmid RK2: nucleotide sequence, polypeptide product, and expression of regulatory gene korC. <i>Journal of Bacteriology</i> , 1990, 172, 3040-3050.	2.2	29
177	Autoregulation of <i>Escherichia coli</i> purR requires two control sites downstream of the promoter. <i>Journal of Bacteriology</i> , 1990, 172, 5758-5766.	2.2	55
178	Regulation of a yeast HSP70 gene by a cAMP responsive transcriptional control element.. <i>EMBO Journal</i> , 1990, 9, 2543-2553.	7.8	110
179	Role of threonine residue 154 in ligand recognition of the tar chemoreceptor in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1990, 172, 377-382.	2.2	44
180	Regulation of <i>Escherichia coli</i> pyrC by the purine regulon repressor protein. <i>Journal of Bacteriology</i> , 1990, 172, 3201-3207.	2.2	41

#	ARTICLE	IF	CITATIONS
181	SITE-DIRECTED MUTAGENESIS AND PROTEIN ENGINEERING. , 1990, , 21-29.		0
182	Translation to near the distal end of the penultimate exon is required for normal levels of spliced triosephosphate isomerase mRNA.. Molecular and Cellular Biology, 1990, 10, 5215-5225.	2.3	176
183	Transcriptional regulation of SSA3, an HSP70 gene from <i>Saccharomyces cerevisiae</i> .. Molecular and Cellular Biology, 1990, 10, 3262-3267.	2.3	137
184	A simple vector modification to facilitate oligonucleotide-directed mutagenesis. Nucleic Acids Research, 1990, 18, 4175-4178.	14.5	8
185	Characterization of the 5' to 3' exonuclease associated with <i>Thermus aquaticus</i> DNA polymerase. Nucleic Acids Research, 1990, 18, 7317-7322.	14.5	72
186	Role of propeptide glycan in post-translational processing and transport of barley lectin to vacuoles in transgenic tobacco.. Plant Cell, 1990, 2, 301-313.	6.6	94
187	Isolation and Characterization of the Genes Encoding Basic and Acidic Chitinase in <i>Arabidopsis thaliana</i> . Plant Physiology, 1990, 93, 907-914.	4.8	297
188	Peptides on phage: a vast library of peptides for identifying ligands.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 6378-6382.	7.1	871
189	In vitro reconstitution of intercompartmental protein transport to the yeast vacuole.. Journal of Cell Biology, 1990, 111, 2871-2884.	5.2	63
190	Structure-function studies on <i>Escherichia coli</i> MetR protein, a putative prokaryotic leucine zipper protein.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7076-7079.	7.1	67
191	Intron mobility in phage T4 is dependent upon a distinctive class of endonucleases and independent of DNA sequences encoding the intron core: mechanistic and evolutionary implications. Nucleic Acids Research, 1990, 18, 3763-3770.	14.5	118
192	Compilation of DNA sequences of <i>Escherichia coli</i> (update 1990). Nucleic Acids Research, 1990, 18, 2549-2587.	14.5	28
193	Expression of a human T-cell protein-tyrosine-phosphatase in baby hamster kidney cells.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7280-7284.	7.1	127
194	Mechanism of 3' splice site selection by the catalytic core of the sunY intron of bacteriophage T4: the role of a novel base-pairing interaction in group I introns.. Genes and Development, 1990, 4, 777-788.	5.9	59
195	Domains of yeast U4 spliceosomal RNA required for PRP4 protein binding, snRNP-snRNP interactions, and pre-mRNA splicing in vivo.. Genes and Development, 1990, 4, 1185-1196.	5.9	93
196	An RNA polymerase II promoter containing sequences upstream and downstream from the RNA startpoint that direct initiation of transcription from the same site.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4289-4293.	7.1	52
197	The priA gene encoding the primosomal replicative n' protein of <i>Escherichia coli</i> .. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4620-4624.	7.1	71
198	Characterization of the fusion domain of the human immunodeficiency virus type 1 envelope glycoprotein gp41.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4650-4654.	7.1	416

#	ARTICLE	IF	CITATIONS
199	The human immunodeficiency virus type 2 vpr gene is essential for productive infection of human macrophages.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 8080-8084.	7.1	191
200	In vitro assembly of infectious nucleocapsids of bacteriophage phi 6: formation of a recombinant double-stranded RNA virus.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 9173-9177.	7.1	106
201	Integration host factor is required for the activation of developmentally regulated genes in Caulobacter.. Genes and Development, 1990, 4, 1494-1504.	5.9	128
202	Efficient replication, integration, and packaging of retroviral vectors with modified long terminal repeats containing the packaging signal. Nucleic Acids Research, 1990, 18, 4223-4226.	14.5	20
203	Expression of T Cell Antigen Receptor Heterodimers in a Lipid-Linked Form. Science, 1990, 249, 677-679.	12.6	230
204	A peptide sequence confers retention and rapid degradation in the endoplasmic reticulum. Science, 1990, 247, 79-82.	12.6	221
205	Binding of SH2 domains of phospholipase C gamma 1, GAP, and Src to activated growth factor receptors. Science, 1990, 250, 979-982.	12.6	636
206	Regulatory elements in the introns of the human HPRT gene are necessary for its expression in embryonic stem cells.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4299-4303.	7.1	104
207	Base changes at position 792 of Escherichia coli 16S rRNA affect assembly of 70S ribosomes.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 3700-3704.	7.1	29
208	Mutagenesis of Thr-286 in monomeric Ca <sup>2+</sup> /calmodulin-dependent protein kinase II eliminates Ca <sup>2+</sup> /calmodulin-independent activity.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 1273-1277.	7.1	63
209	Escherichia coli thymidylate synthase: amino acid substitutions by suppression of amber nonsense mutations.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 3957-3961.	7.1	64
210	Nucleotide sequence and promoter analysis of SPO13, a meiosis-specific gene of Saccharomyces cerevisiae.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 9406-9410.	7.1	108
211	Cloning of a chicken liver cDNA encoding 5-aminoimidazole ribonucleotide carboxylase and 5-aminoimidazole-4-N-succinocarboxamide ribonucleotide synthetase by functional complementation of Escherichia coli pur mutants.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 3097-3101.	7.1	44
212	Structural and functional basis of the developmental regulation of human coagulation factor IX gene: factor IX Leyden.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4421-4425.	7.1	48
213	An essential arginine residue for initiation of protein-primed DNA replication.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 8665-8669.	7.1	25
214	High-efficiency oligonucleotide-directed plasmid mutagenesis.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 1451-1455.	7.1	43
215	Selectivity at the cleavage/attachment site of phosphatidylinositol-glycan anchored membrane proteins is enzymatically determined.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7939-7943.	7.1	47
216	Amino acid sequence requirements for the association of apocytochrome c with mitochondria.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 5729-5733.	7.1	29

#	ARTICLE	IF	CITATIONS
217	Introduction of specific point mutations into RNA polymerase II by gene targeting in mouse embryonic stem cells: evidence for a DNA mismatch repair mechanism.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4680-4684.	7.1	37
218	Site-directed mutagenesis of a plant viral satellite RNA changes its phenotype from ameliorative to necrogenic.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 2946-2950.	7.1	63
219	U1 small nuclear RNA plays a direct role in the formation of a rev-regulated human immunodeficiency virus env mRNA that remains unspliced.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7598-7602.	7.1	184
220	Transcriptional initiation is controlled by upstream GC-box interactions in a TATAA-less promoter.. Molecular and Cellular Biology, 1990, 10, 6632-6641.	2.3	273
221	Programmed ribosomal frameshifting generates the Escherichia coli DNA polymerase III $\hat{\Gamma}^3$ subunit from within the $\hat{\Gamma}_\alpha$ subunit reading frame. Nucleic Acids Research, 1990, 18, 1725-1729.	14.5	244
222	Genetic evidence for similar negative regulatory domains in the yeast transcription activators GAL4 and LAC9. Nucleic Acids Research, 1990, 18, 5213-5217.	14.5	12
223	Quantitative analysis of Tn $\langle i \rangle 10\langle /i \rangle$ Tet repressor binding to complete set of $\langle i \rangle$ tet $\langle /i \rangle$ operator mutants. Nucleic Acids Research, 1990, 18, 2875-2880.	14.5	43
224	Site-directed mutagenesis of the conserved Asp-443 and Asp-498 carboxy-terminal residues of HIV-1 reverse transcriptase. Nucleic Acids Research, 1990, 18, 5359-5363.	14.5	66
225	Mutagenesis of selC, the gene for the selenocysteine-inserting tRNA-species in E.coli: effects on in vivo function. Nucleic Acids Research, 1990, 18, 6761-6766.	14.5	44
226	TcA, the putative transposase of the C.elegans Tc1 transposon, has an N-terminal DNA binding domain. Nucleic Acids Research, 1990, 18, 895-900.	14.5	27
227	Positive and negative transcriptional regulatory elements in the early H4 histone gene of the sea urchin, Strongylocentrotus purpuratus. Nucleic Acids Research, 1990, 18, 7339-7348.	14.5	21
228	Insertional gene synthesis, a novel method of assembling consecutive DNA sequences within specific sites in plasmids. Construction of the HIV-1 tat gene. Nucleic Acids Research, 1990, 18, 1243-1248.	14.5	11
229	Enhanced translational utilization of chloroplast ribosomal protein mRNAs from two AUG codons shown by site-directed mutation. Biochemistry, 1990, 29, 10562-10566.	2.5	15
230	Structure of a thermostable disulfide-bridge mutant of phage T4 lysozyme shows that an engineered cross-link in a flexible region does not increase the rigidity of the folded protein. Biochemistry, 1990, 29, 2592-2598.	2.5	78
231	Replacement of a cis proline simplifies the mechanism of ribonuclease T1 folding. Biochemistry, 1990, 29, 6475-6480.	2.5	140
232	Protein Splicing Converts the Yeast $\langle i \rangle$ TFP1 $\langle /i \rangle$ Gene Product to the 69-kD Subunit of the Vacuolar H <sup>+</sup> -Adenosine Triphosphatase. Science, 1990, 250, 651-657.	12.6	483
233	Quenching of the amidolytic activity of one-chain tissue-type plasminogen activator by mutation of lysine-416. Biochemistry, 1990, 29, 3451-3457.	2.5	35
234	Plasminogen activator activities of equimolar complexes of streptokinase with variant recombinant plasminogens. Biochemistry, 1990, 29, 3585-3590.	2.5	53



#	ARTICLE	IF	CITATIONS
235	Mutation of essential catalytic residues in pig citrate synthase. <i>Biochemistry</i> , 1990, 29, 7557-7563.	2.5	69
236	Heterogeneous initiation due to slippage at the bacteriophage 82 late gene promoter in vitro. <i>Biochemistry</i> , 1990, 29, 10702-10709.	2.5	40
237	Oligosaccharide processing in the expression of human plasminogen cDNA by lepidopteran insect ( <i>Spodoptera frugiperda</i> ) cells. <i>Biochemistry</i> , 1990, 29, 5584-5590.	2.5	165
238	Diverse interactions between the individual mutations in a double mutant at the active site of staphylococcal nuclease. <i>Biochemistry</i> , 1990, 29, 8632-8642.	2.5	47
239	Cloning, sequencing, expression, and site-directed mutagenesis of the gene from <i>Clostridium perfringens</i> encoding pyruvoyl-dependent histidine decarboxylase. <i>Biochemistry</i> , 1990, 29, 132-139.	2.5	35
240	Searching for peptide ligands with an epitope library. <i>Science</i> , 1990, 249, 386-390.	12.6	2,107
241	Glycine to alanine substitutions in helices of glyceraldehyde-3-phosphate dehydrogenase: effects on stability. <i>Biochemistry</i> , 1990, 29, 9395-9402.	2.5	81
242	Expression of cDNAs encoding barley $\alpha$ -amylase 1 and 2 in yeast and characterization of the secreted proteins. <i>Gene</i> , 1990, 94, 173-179.	2.2	81
243	Identification of transposition proteins encoded by the bacterial transposon Tn7. <i>Gene</i> , 1990, 96, 1-7.	2.2	7
244	HU-1 mutants of <i>Escherichia coli</i> deficient in DNA binding. <i>Gene</i> , 1990, 96, 141-145.	2.2	23
245	Temperature-inducible gene expression in <i>Bacillus subtilis</i> mediated by the c1857-encoded repressor of bacteriophage lambda. <i>Gene</i> , 1990, 93, 35-40.	2.2	31
246	An open-channel blocker interacts with adjacent turns of $\alpha$ -helices in the nicotinic acetylcholine receptor. <i>Neuron</i> , 1990, 4, 87-95.	8.1	268
247	Change of a single amino acid in the leader peptide of a staphylococcal $\beta$ -lactamase prevents the appearance of the enzyme in the medium. <i>FEMS Microbiology Letters</i> , 1990, 69, 249-254.	1.8	10
248	Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning. <i>Gene</i> , 1990, 88, 25-36.	2.2	122
249	Mutations within the replicon of the IncN plasmid pCU1 that affect its <i>Escherichia coli</i> polA-independence but not its autonomous replication ability. <i>Gene</i> , 1990, 91, 1-7.	2.2	19
250	Analysis of wild-type and rad50 mutants of yeast suggests an intimate relationship between meiotic chromosome synapsis and recombination. <i>Cell</i> , 1990, 61, 419-436.	28.9	625
251	Site-Specific Mutagenesis in the Active Site of Aspartate Aminotransferase.. <i>Annals of the New York Academy of Sciences</i> , 1990, 585, 526-528.	3.8	3
252	Binding of the regulatory protein VirG to the phased signal sequences upstream from virulence genes on the hairy-root-inducing plasmid. <i>Journal of Molecular Biology</i> , 1990, 215, 537-547.	4.2	18



#	ARTICLE	IF	CITATIONS
253	Complete replication of a eukaryotic virus RNA in vitro by a purified RNA-dependent RNA polymerase. Cell, 1990, 63, 363-368.	28.9	328
254	Mutations of immunoglobulin transmembrane and cytoplasmic domains: Effects on intracellular signaling and antigen presentation. Cell, 1990, 63, 381-392.	28.9	151
255	Distinct, essential roles of type 1 and 2A protein phosphatases in the control of the fission yeast cell division cycle. Cell, 1990, 63, 405-415.	28.9	357
256	Analysis of structure-function relationships of yeast TATA box binding factor TFIID. Cell, 1990, 61, 1171-1178.	28.9	144
257	Recognition of a bacterial adhesin by an integrin: Macrophage CR3 ( $\alpha$ M $\beta$ 2, CD11bCD18) binds filamentous hemagglutinin of Bordetella pertussis. Cell, 1990, 61, 1375-1382.	28.9	438
258	A comparison of strategies to stabilize immunoglobulin Fv-fragments. Biochemistry, 1990, 29, 1362-1367.	2.5	506
259	Evidence for transition-state stabilization by serine-148 in the catalytic mechanism of chloramphenicol acetyltransferase. Biochemistry, 1990, 29, 2075-2080.	2.5	53
260	An insertion vector for the analysis of gene expression during herpes simplex virus infection. Gene, 1990, 89, 271-274.	2.2	20
261	ThepsbC start codon in Synechocystis sp. PCC 6803. FEBS Letters, 1990, 260, 135-137.	2.8	27
262	Engineering of microheterogeneity-resistant p-hydroxybenzoate hydroxylase from Pseudomonas fluorescens. FEBS Letters, 1990, 277, 197-199.	2.8	20
263	Functional expression of the mutants of the chloroplast trnA <sup>lys</sup> gene from the liverwort, Marchantia polymorpha, in Escherichia coli. FEBS Letters, 1990, 265, 59-62.	2.8	2
264	The effect of amino acid substitutions at position 342 on the secretion of human $\alpha$ 1-antitrypsin from Xenopus oocytes. FEBS Letters, 1990, 268, 21-23.	2.8	17
265	In vivo and in vitro mutants of FNR the anaerobic transcriptional regulator of E. coli. FEBS Letters, 1990, 270, 119-122.	2.8	82
266	Site-specific mutagenesis of PRD1 DNA polymerase: Mutations in highly conserved regions of the family B DNA polymerase. Biochemical and Biophysical Research Communications, 1990, 170, 1294-1300.	2.1	20
267	Total in vitro maturation of the Saccharomyces cerevisiae-factor lipopeptide mating pheromone. Biochemical and Biophysical Research Communications, 1990, 172, 1310-1316.	2.1	26
268	Aromatic rings of tyrosine residues at adenine nucleotide binding sites of the $\beta$ subunits of F1-ATPase are not necessary for ATPase activity. Biochemical and Biophysical Research Communications, 1990, 168, 372-378.	2.1	13
269	Reconstruction of an epitope capable of binding murine monoclonal antibodies NK2 within the sequence of human leukocyte interferon $\beta$ by site-directed mutagenesis. Biochemical and Biophysical Research Communications, 1990, 169, 1061-1067.	2.1	2
270	Bacterial expression of immunoglobulin VH proteins. Molecular Immunology, 1990, 27, 25-35.	2.2	8

#	ARTICLE	IF	CITATIONS
271	Mutated interleukin-5 monomers are biologically inactive. <i>Molecular Immunology</i> , 1991, 28, 155-158.	2.2	48
272	Characterization of an <i>Escherichia coli</i> gene encoding betaine aldehyde dehydrogenase (BADH) : structural similarity to mammalian ALDHs and a plant BADH. <i>Gene</i> , 1991, 103, 45-52.	2.2	51
273	In vitro tumorigenicity of hepatitis B virus DNA and HBx protein. <i>Journal of Hepatology</i> , 1991, 13, S61-S65.	3.7	80
274	Hydrophobic substitution mutations in the S4 sequence alter voltage-dependent gating in shaker K <sup>+</sup> channels. <i>Neuron</i> , 1991, 7, 327-336.	8.1	147
275	Secretion of human epidermal growth factor from <i>Saccharomyces cerevisiae</i> using synthetic leader sequences. <i>Gene</i> , 1991, 106, 267-271.	2.2	49
276	Importance of arginine at position 170 of the A subunit of Vero toxin 1 produced by enterohemorrhagic <i>Escherichia coli</i> for toxin activity. <i>Microbial Pathogenesis</i> , 1991, 11, 1-9.	2.9	54
277	Targeting of neuromodulin (GAP-43) fusion proteins to growth cones in cultured rat embryonic neurons. <i>Neuron</i> , 1991, 6, 411-420.	8.1	69
278	Characterization of the murine Hox-2.3 promoter: involvement of the transcription factor USF (MLTF). <i>Mechanisms of Development</i> , 1991, 33, 179-190.	1.7	23
279	A putative approach for cloning "silent" genes using retroviral vectors. <i>Medical Hypotheses</i> , 1991, 36, 242-245.	1.5	1
280	Functional analysis of the two domains in the terminal inverted repeat sequence required for transposition of Tn3. <i>Gene</i> , 1991, 103, 11-16.	2.2	14
281	An aspartate residue in yeast alcohol dehydrogenase I determines the specificity for coenzyme. <i>Biochemistry</i> , 1991, 30, 6397-6401.	2.5	81
282	Second-site revertants of an inactive T4 lysozyme mutant restore activity by restructuring the active site cleft. <i>Biochemistry</i> , 1991, 30, 1425-1432.	2.5	115
283	Alternative binding modes for chloramphenicol and 1-substituted chloramphenicol analogs revealed by site-directed mutagenesis and x-ray crystallography of chloramphenicol acetyltransferase. <i>Biochemistry</i> , 1991, 30, 3763-3770.	2.5	19
284	Wild-type and mutant bacterioopsins D85N, D96N, and R82Q: high-level expression in <i>Escherichia coli</i> . <i>Biochemistry</i> , 1991, 30, 3082-3088.	2.5	32
285	Synthesis of truncated amino-terminal trimers of thrombospondin. <i>Biochemistry</i> , 1991, 30, 6556-6562.	2.5	53
286	Effects of mutations of the bulged nucleotide in the conserved P7 pairing element of the phage T4 td intron on ribozyme function. <i>Biochemistry</i> , 1991, 30, 3295-3303.	2.5	31
287	Role of cytochrome c heme lyase in mitochondrial import and accumulation of cytochrome c in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1991, 11, 5487-5496.	2.3	139
288	Identification and characterization of a 3' to 5' exonuclease associated with spinach chloroplast DNA polymerase. <i>Biochemistry</i> , 1991, 30, 11109-11118.	2.5	13

#	ARTICLE	IF	CITATIONS
289	Characterization of DNA metabolizing enzymes in situ following polyacrylamide gel electrophoresis. <i>Biochemistry</i> , 1991, 30, 2655-2664.	2.5	15
290	Alternative secondary structures in the 5' exon affect both forward and reverse self-splicing of the <i>Tetrahymena</i> intervening sequence RNA. <i>Biochemistry</i> , 1991, 30, 2042-2050.	2.5	89
291	Structure-function relationships in human epidermal growth factor studied by site-directed mutagenesis and proton NMR. <i>Biochemistry</i> , 1991, 30, 8891-8898.	2.5	50
292	Analysis of the interaction between charged side chains and the .alpha.-helix dipole using designed thermostable mutants of phage T4 lysozyme. <i>Biochemistry</i> , 1991, 30, 9816-9828.	2.5	183
293	Role of the four conserved histidine residues in the amidotransferase domain of carbamoyl phosphate synthetase. <i>Biochemistry</i> , 1991, 30, 7901-7907.	2.5	52
294	Expression in <i>Escherichia coli</i> of UDP-glucose pyrophosphorylase cDNA from potato tuber and functional assessment of the five lysyl residues located at the substrate-binding site. <i>Biochemistry</i> , 1991, 30, 8546-8551.	2.5	54
295	Transient intermediates in the folding of dihydrofolate reductase as detected by far-ultraviolet circular dichroism spectroscopy. <i>Biochemistry</i> , 1991, 30, 7693-7703.	2.5	174
296	Constraints on amino acid substitutions in the N-terminal helix of cytochrome c explored by random mutagenesis. <i>Biochemistry</i> , 1991, 30, 8684-8690.	2.5	31
297	Quantitating and engineering the ion specificity of an EF-hand-like calcium binding site. <i>Biochemistry</i> , 1991, 30, 8690-8697.	2.5	60
298	Mapping and modification of an antibody hapten binding site: a site-directed mutagenesis study of McPC603. <i>Biochemistry</i> , 1991, 30, 3049-3054.	2.5	67
299	Mutations in endonuclease V that affect both protein-protein association and target site location. <i>Biochemistry</i> , 1991, 30, 8638-8648.	2.5	25
300	Crystallization and preliminary x-ray analysis of the cAMP-dependent protein kinase catalytic subunit from <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 1991, 30, 10595-10600.	2.5	8
301	Energy transfer in lactose repressor protein modified with N-[[[(iodoacetyl)amino]ethyl]-5-naphthylamine-1-sulfonate. <i>Biochemistry</i> , 1991, 30, 2707-2712.	2.5	6
302	Conformational stability of pig citrate synthase and some active-site mutants. <i>Biochemistry</i> , 1991, 30, 9281-9286.	2.5	62
303	A water-mediated salt link in the catalytic site of <i>Escherichia coli</i> alkaline phosphatase may influence activity. <i>Biochemistry</i> , 1991, 30, 7789-7796.	2.5	51
304	Role of the hexapeptide disulfide loop present in the .gamma.-carboxyglutamic acid domain of human protein C in its activation properties and in the in vitro anticoagulant activity of activated protein C. <i>Biochemistry</i> , 1991, 30, 6696-6704.	2.5	47
305	Structural and thermodynamic consequences of burying a charged residue within the hydrophobic core of T4 lysozyme. <i>Biochemistry</i> , 1991, 30, 11521-11529.	2.5	275
306	Selecting high-affinity binding proteins by monovalent phage display. <i>Biochemistry</i> , 1991, 30, 10832-10838.	2.5	332

#	ARTICLE	IF	CITATIONS
307	Stimulation of transcript elongation requires both the zinc finger and RNA polymerase II binding domains of human TFIIIS. <i>Biochemistry</i> , 1991, 30, 7842-7851.	2.5	94
308	Construction, expression, and purification of recombinant kringle 1 of human plasminogen and analysis of its interaction with .omega.-amino acids. <i>Biochemistry</i> , 1991, 30, 1948-1957.	2.5	82
309	Biosynthesis of the cloned intestinal Na <sup>+</sup> /glucose cotransporter. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1991, 1064, 360-364.	2.6	53
310	Spermidine regulation of ornithine decarboxylase synthesis by a GC-rich sequence of the 5' untranslated region. <i>Biochemical and Biophysical Research Communications</i> , 1991, 178, 815-822.	2.1	22
311	Expression of human brain hexokinase in <i>Escherichia coli</i> : Purification and characterization of the expressed enzyme. <i>Biochemical and Biophysical Research Communications</i> , 1991, 177, 305-311.	2.1	37
312	Proteolytic activity of plum pox virus-tobacco etch virus chimeric Nlproteases. <i>FEBS Letters</i> , 1991, 281, 67-72.	2.8	7
313	The phosphate recognition site of <i>Escherichia coli</i> maltodextrin phosphorylase. <i>FEBS Letters</i> , 1991, 286, 125-128.	2.8	23
314	Lipoylation of H-protein of the glycine cleavage system The effect of site-directed mutagenesis of amino acid residues around the lipoyllysine residue on the lipoate attachment. <i>FEBS Letters</i> , 1991, 293, 115-118.	2.8	33
315	Cumulative site-directed charge-change replacements in bacteriophage T4 lysozyme suggest that long-range electrostatic interactions contribute little to protein stability. <i>Journal of Molecular Biology</i> , 1991, 221, 873-887.	4.2	97
316	Temperature-sensitive variants of <i>Saccharomyces cerevisiae</i> iso-1-cytochrome c produced by random mutagenesis of codons 43 to 54. <i>Journal of Molecular Biology</i> , 1991, 221, 97-105.	4.2	7
317	Function of P11, a tertiary base pairing in self-splicing introns of subgroup IA. <i>Journal of Molecular Biology</i> , 1991, 221, 1153-1164.	4.2	56
318	Codon usage, transfer RNA availability and mistranslation in amino acid starved bacteria. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1991, 1089, 362-366.	2.4	9
319	The rate of processing and degradation of antisense RNAI regulates the replication of ColE1-type plasmids in vivo. <i>Cell</i> , 1991, 65, 1233-1242.	28.9	214
320	A new mechanism for coactivation of transcription initiation: Repositioning of an activator triggered by the binding of a second activator. <i>Cell</i> , 1991, 66, 1185-1195.	28.9	110
321	Cloning and expression of genes for the <i>Oxytricha</i> telomere-binding protein: Specific subunit interactions in the telomeric complex. <i>Cell</i> , 1991, 67, 807-814.	28.9	162
322	Dominant negative mutations in yeast TFIID define a bipartite DNA-binding region. <i>Cell</i> , 1991, 65, 349-357.	28.9	143
323	Molecular cloning of a functional thrombin receptor reveals a novel proteolytic mechanism of receptor activation. <i>Cell</i> , 1991, 64, 1057-1068.	28.9	3,020
324	Mutations in a nonconserved sequence of the <i>Tetrahymena</i> ribozyme increase activity and specificity. <i>Cell</i> , 1991, 67, 1007-1019.	28.9	88

#	ARTICLE	IF	CITATIONS
325	PDGF stimulation of inositol phospholipid hydrolysis requires PLC- $\beta$ 1 phosphorylation on tyrosine residues 783 and 1254. <i>Cell</i> , 1991, 65, 435-441.	28.9	570
326	Can calmodulin function without binding calcium?. <i>Cell</i> , 1991, 65, 949-959.	28.9	309
327	H-2M3 encodes the MHC Class I molecule presenting the maternally transmitted antigen of the mouse. <i>Cell</i> , 1991, 66, 335-345.	28.9	117
328	Oligonucleotide-Directed Mutagenesis without Phenotypic Selection. <i>Current Protocols in Molecular Biology</i> , 1991, 13, Unit8.1.	2.9	4
329	Comparison of the FvFragments of Different Phosphorylcholine Binding Antibodies Expressed in <i>Escherichia coli</i> . <i>Annals of the New York Academy of Sciences</i> , 1991, 646, 115-124.	3.8	8
330	Reverse Pharmacology of the Nicotinic Acetylcholine Receptor.. <i>Annals of the New York Academy of Sciences</i> , 1991, 625, 588-599.	3.8	21
331	Surface electrostatic interactions contribute little to stability of barnase. <i>Journal of Molecular Biology</i> , 1991, 220, 779-788.	4.2	176
332	Sequence requirements for protein-primed DNA replication of bacteriophage PRD1. <i>Journal of Molecular Biology</i> , 1991, 218, 779-789.	4.2	16
333	Identification of Cis and Trans-elements involved in the timed control of a <i>Caulobacter</i> flagellar gene. <i>Journal of Molecular Biology</i> , 1991, 217, 247-257.	4.2	30
334	Bacterial expression of rat liver succinyl-CoA synthetase $\beta$ -subunit. <i>Journal of Molecular Biology</i> , 1991, 219, 165-174.	4.2	4
335	Structure and evolution of a group of related aminoacyl-tRNA synthetases. <i>Journal of Molecular Biology</i> , 1991, 218, 557-568.	4.2	77
336	Two MalT binding sites in direct repeat. <i>Journal of Molecular Biology</i> , 1991, 218, 323-334.	4.2	67
337	In vivo analysis of overlapping transcription units in the <i>rplKALrpoBC</i> ribosomal protein- $\sigma$ RNA polymerase gene cluster of <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1991, 218, 23-31.	4.2	16
338	A matched set of cat vectors for rapid mutational analysis of eukaryotic promoters and enhancers. <i>Gene</i> , 1991, 105, 97-100.	2.2	14
339	Improved broad-host-range lac-based plasmid vectors for the isolation and characterization of protein fusions in <i>Pseudomonas aeruginosa</i> . <i>Gene</i> , 1991, 103, 87-92.	2.2	57
340	Identification of transposition proteins encoded by the bacterial transposon Tn7. <i>Gene</i> , 1991, 104, 125-131.	2.2	12
341	Mapping catalytically important regions of an enzyme using two-codon insertion mutagenesis: a case study correlating $\beta$ -lactamase mutants with the three-dimensional structure. <i>Gene</i> , 1991, 100, 51-57.	2.2	12
342	Differential effect of cysteine-to-serine substitutions in metallothionein on cadmium resistance.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 3024-3028.	7.1	43

#	ARTICLE	IF	CITATIONS
343	Site-specific mutagenesis of conserved residues within Walker A and B sequences of Escherichia coli UvrA protein. <i>Biochemistry</i> , 1991, 30, 3824-3834.	2.5	67
344	Intrinsic fluorescence of chloramphenicol acetyltransferase: responses to ligand binding and assignment of the contributions of tryptophan residues by site-directed mutagenesis. <i>Biochemistry</i> , 1991, 30, 10799-10805.	2.5	7
345	The 3' to 5' exonuclease of DNA polymerase I of Escherichia coli: contribution of each amino acid at the active site to the reaction.. <i>EMBO Journal</i> , 1991, 10, 17-24.	7.8	261
346	RNA polymerase I can mediate expression of CAT and neo protein-coding genes in Trypanosoma brucei.. <i>EMBO Journal</i> , 1991, 10, 3387-3397.	7.8	93
347	The 3' to 5' exonuclease activity located in the DNA polymerase delta subunit of Saccharomyces cerevisiae is required for accurate replication.. <i>EMBO Journal</i> , 1991, 10, 2165-2170.	7.8	206
348	Identification of three amino acid residues in the B subunit of Shiga toxin and Shiga-like toxin type II that are essential for holotoxin activity. <i>Journal of Bacteriology</i> , 1991, 173, 1151-1160.	2.2	30
349	Dual start motif in two lambdoid S genes unrelated to lambda S. <i>Journal of Bacteriology</i> , 1991, 173, 2897-2905.	2.2	65
350	Preferential transposition of an IS630-associated composite transposon to TA in the 5'-CTAG-3' sequence. <i>Journal of Bacteriology</i> , 1991, 173, 6207-6212.	2.2	26
351	Factor XSanto Domingo. Evidence that the severe clinical phenotype arises from a mutation blocking secretion.. <i>Journal of Clinical Investigation</i> , 1991, 88, 1685-1689.	8.2	33
352	Genetic evidence for interaction of sigma E with the spoIIID promoter in Bacillus subtilis. <i>Journal of Bacteriology</i> , 1991, 173, 7828-7833.	2.2	74
353	Genetic evidence for interaction of sigma A with two promoters in Bacillus subtilis. <i>Journal of Bacteriology</i> , 1991, 173, 3282-3290.	2.2	101
354	Effect of ermC leader region mutations on induced mRNA stability. <i>Journal of Bacteriology</i> , 1991, 173, 3732-3740.	2.2	25
355	Anatomy of the parp gene promoter of Trypanosoma brucei.. <i>EMBO Journal</i> , 1991, 10, 3379-3386.	7.8	109
356	Intramolecular base pairing between the nematode spliced leader and its 5' splice site is not essential for trans-splicing in vitro.. <i>EMBO Journal</i> , 1991, 10, 3869-3875.	7.8	36
357	A genetic and structural analysis of the yeast Vps15 protein kinase: evidence for a direct role of Vps15p in vacuolar protein delivery.. <i>EMBO Journal</i> , 1991, 10, 4049-4060.	7.8	97
358	The amino-terminal helix of GM-CSF and IL-5 governs high affinity binding to their receptors.. <i>EMBO Journal</i> , 1991, 10, 4105-4112.	7.8	98
359	Distinct cis-acting signals enhance 3' endpoint formation of CYC1 mRNA in the yeast Saccharomyces cerevisiae.. <i>EMBO Journal</i> , 1991, 10, 563-571.	7.8	121
360	Importance of the position of TYR R boxes for repression and activation of the tyrP and aroF genes in Escherichia coli. <i>Journal of Bacteriology</i> , 1991, 173, 5079-5085.	2.2	47

#	ARTICLE	IF	CITATIONS
361	The surface-exposed tyrosine residue Tyr83 of pea plastocyanin is involved in both binding and electron transfer reactions with cytochrome f.. EMBO Journal, 1991, 10, 4011-4016.	7.8	109
362	Amino acids determining operator binding specificity in the helix-turn-helix motif of Tn10 Tet repressor.. EMBO Journal, 1991, 10, 4145-4152.	7.8	42
363	The MinD protein is a membrane ATPase required for the correct placement of the Escherichia coli division site.. EMBO Journal, 1991, 10, 4371-4380.	7.8	268
364	Site directed mutagenesis of the heme axial ligands of cytochrome b559 affects the stability of the photosystem II complex.. EMBO Journal, 1991, 10, 1619-1627.	7.8	101
365	An upstream XylR- and IHF-induced nucleoprotein complex regulates the sigma 54-dependent Pu promoter of TOL plasmid.. EMBO Journal, 1991, 10, 1159-1167.	7.8	150
366	Structure-function analysis of interleukin-5 utilizing mouse/human chimeric molecules.. EMBO Journal, 1991, 10, 1193-1199.	7.8	61
367	Specific DNA binding of the TraM protein to the oriT region of plasmid R100. Journal of Bacteriology, 1991, 173, 6347-6354.	2.2	39
368	Sequence-independent RNA cleavages generate the primers for plus strand DNA synthesis in hepatitis B viruses: implications for other reverse transcribing elements.. EMBO Journal, 1991, 10, 3533-3540.	7.8	91
369	Two PDGF-B chain residues, arginine 27 and isoleucine 30, mediate receptor binding and activation.. EMBO Journal, 1991, 10, 4113-4120.	7.8	55
370	A conserved heptapeptide restrains the activity of the yeast heat shock transcription factor.. EMBO Journal, 1991, 10, 369-375.	7.8	146
371	cdc2 phosphorylation is required for its interaction with cyclin.. EMBO Journal, 1991, 10, 3311-3319.	7.8	320
372	Disassembly of in vitro formed lamin head-to-tail polymers by CDC2 kinase.. EMBO Journal, 1991, 10, 1535-1544.	7.8	171
373	An intact Box C sequence in the U3 snRNA is required for binding of fibrillarin, the protein common to the major family of nucleolar snRNPs.. EMBO Journal, 1991, 10, 2645-2651.	7.8	147
374	The vinyl chloride DNA derivative N2,3-ethenoguanine produces G----A transitions in Escherichia coli.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9974-9978.	7.1	130
375	Murein-metabolizing enzymes from Escherichia coli: sequence analysis and controlled overexpression of the slt gene, which encodes the soluble lytic transglycosylase. Journal of Bacteriology, 1991, 173, 6773-6782.	2.2	80
377	Recombinant 43-kDa USF binds to DNA and activates transcription in a manner indistinguishable from that of natural 43/44-kDa USF.. Molecular and Cellular Biology, 1991, 11, 5125-5136.	2.3	110
378	Selection of splice sites in pre-mRNAs with short internal exons.. Molecular and Cellular Biology, 1991, 11, 6075-6083.	2.3	216
379	The role of RAP1 in the regulation of the MAT alpha locus.. Molecular and Cellular Biology, 1991, 11, 1069-1079.	2.3	70



#	ARTICLE	IF	CITATIONS
380	Two types of TATA elements for the CYC1 gene of the yeast <i>Saccharomyces cerevisiae</i> .. Molecular and Cellular Biology, 1991, 11, 666-676.	2.3	78
381	Amino acid substitutions in the coat protein result in loss of insect transmissibility of a plant virus.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 7887-7891.	7.1	224
382	Rapid de novo generation of defective interfering RNA by cucumber necrosis virus mutants that do not express the 20-kDa nonstructural protein.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 11153-11157.	7.1	65
383	Com, the phage Mu mom translational activator, is a zinc-binding protein that binds specifically to its cognate mRNA.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 10027-10031.	7.1	38
384	Interplay of two cis-acting mRNA regions in translational control of sigma 32 synthesis during the heat shock response of <i>Escherichia coli</i> .. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 10515-10519.	7.1	155
385	Hygromycin Resistance Gene Cassettes for Vector Construction and Selection of Transformed Rice Protoplasts. Plant Physiology, 1991, 97, 832-835.	4.8	50
386	Altered response to growth rate changes in <i>Kluyveromyces lactis</i> versus <i>Saccharomyces cerevisiae</i> as demonstrated by heterologous expression of ribosomal protein 59 (CRY1). Nucleic Acids Research, 1991, 19, 4701-4707.	14.5	20
387	Pheromone response elements are necessary and sufficient for basal and pheromone-induced transcription of the FUS1 gene of <i>Saccharomyces cerevisiae</i> .. Molecular and Cellular Biology, 1991, 11, 2952-2961.	2.3	127
388	AGP/EBP(LAP) expressed in rat hepatoma cells interacts with multiple promoter sites and is necessary for maximal glucocorticoid induction of the rat alpha-1 acid glycoprotein gene.. Molecular and Cellular Biology, 1991, 11, 4959-4965.	2.3	48
389	Amantadine selection of a mutant influenza virus containing an acid-stable hemagglutinin glycoprotein: evidence for virus-specific regulation of the pH of glycoprotein transport vesicles.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 11525-11529.	7.1	114
390	UHF-1, a factor required for maximal transcription of early and late sea urchin histone H4 genes: analysis of promoter-binding sites.. Molecular and Cellular Biology, 1991, 11, 1048-1061.	2.3	21
391	Phosphorylation of <i>Xenopus</i> cyclins B1 and B2 is not required for cell cycle transitions.. Molecular and Cellular Biology, 1991, 11, 3860-3867.	2.3	90
392	trans-dominant mutants of E1A provide genetic evidence that the zinc finger of the trans-activating domain binds a transcription factor.. Molecular and Cellular Biology, 1991, 11, 4287-4296.	2.3	99
393	Mutations in the three largest subunits of yeast RNA polymerase II that affect enzyme assembly.. Molecular and Cellular Biology, 1991, 11, 4669-4678.	2.3	73
394	Site-directed mutations of <i>Dictyostelium</i> actin: disruption of a negative charge cluster at the N terminus.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 7711-7714.	7.1	123
395	Functional analysis in yeast of cDNA coding for the mitochondrial Rieske iron-sulfur protein of higher plants.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 10716-10720.	7.1	24
396	Exon recognition and nucleocytoplasmic partitioning determine AMPD1 alternative transcript production.. Molecular and Cellular Biology, 1991, 11, 5356-5363.	2.3	16
397	Mutations at sites involved in Suc1 binding inactivate Cdc2.. Molecular and Cellular Biology, 1991, 11, 6177-6184.	2.3	65

#	ARTICLE	IF	CITATIONS
398	The K-fgf/hst oncogene induces transformation through an autocrine mechanism that requires extracellular stimulation of the mitogenic pathway.. Molecular and Cellular Biology, 1991, 11, 1138-1145.	2.3	52
399	Biosynthesis of human fibroblast growth factor-5.. Molecular and Cellular Biology, 1991, 11, 1840-1845.	2.3	63
400	An in vitro transcription analysis of early responses of the human immunodeficiency virus type 1 long terminal repeat to different transcriptional activators.. Molecular and Cellular Biology, 1991, 11, 1883-1893.	2.3	89
401	The role of envelope proteins in hepatitis B virus assembly.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 1059-1063.	7.1	414
402	The short-lived MAT alpha 2 transcriptional regulator is ubiquitinated in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 4606-4610.	7.1	255
403	Human immunodeficiency virus type 1 mutants resistant to nonnucleoside inhibitors of reverse transcriptase arise in tissue culture.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 11241-11245.	7.1	427
404	Propeptide of a precursor to a plant vacuolar protein required for vacuolar targeting.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 834-838.	7.1	255
405	Pseudouridine modification of U5 RNA in ribonucleoprotein particles assembled in vitro.. Molecular and Cellular Biology, 1991, 11, 5998-6006.	2.3	32
406	Newt satellite 2 transcripts self-cleave by using an extended hammerhead structure.. Molecular and Cellular Biology, 1991, 11, 6109-6115.	2.3	25
407	Structural and germination defects of Bacillus subtilis spores with altered contents of a spore coat protein. Journal of Bacteriology, 1991, 173, 6618-6625.	2.2	56
408	The protein-coding region of c-myc mRNA contains a sequence that specifies rapid mRNA turnover and induction by protein synthesis inhibitors.. Genes and Development, 1991, 5, 232-243.	5.9	290
409	Sequence analysis and expression of the Salmonella typhimurium asr operon encoding production of hydrogen sulfide from sulfite. Journal of Bacteriology, 1991, 173, 1544-1553.	2.2	77
410	Evidence for the establishment of aphid-eubacterium endosymbiosis in an ancestor of four aphid families. Journal of Bacteriology, 1991, 173, 6321-6324.	2.2	272
411	The cysteine-rich domain of human proteins, neuronal chimaerin, protein kinase C and diacylglycerol kinase binds zinc. Evidence for the involvement of a zinc-dependent structure in phorbol ester binding. Biochemical Journal, 1991, 280, 233-241.	3.7	125
412	In vitro mutagenesis in the lacI gene of Escherichia coli: Fate of 3' terminal mispairs versus internal base mispairs in a transfection assay. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 247, 5-18.	1.0	3
413	Genetic assay of misincorporation. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 251, 201-216.	1.0	2
414	Transfer of the movement protein gene between two tobamoviruses: Influence on local lesion development. Virology, 1991, 180, 318-326.	2.4	39
415	The 35-kDa protein from the N-terminus of the potyviral polyprotein functions as a third virus-encoded proteinase. Virology, 1991, 185, 527-535.	2.4	192

#	ARTICLE	IF	CITATIONS
416	Alteration of voltage-dependence of Shaker potassium channel by mutations in the S4 sequence. <i>Nature</i> , 1991, 349, 305-310.	27.8	530
417	The <i>mec-4</i> gene is a member of a family of <i>Caenorhabditis elegans</i> genes that can mutate to induce neuronal degeneration. <i>Nature</i> , 1991, 349, 588-593.	27.8	557
418	A pseudoknot-like structure required for efficient self-cleavage of hepatitis delta virus RNA. <i>Nature</i> , 1991, 350, 434-436.	27.8	363
419	Impairment of mitochondrial transcription termination by a point mutation associated with the MELAS subgroup of mitochondrial encephalomyopathies. <i>Nature</i> , 1991, 351, 236-239.	27.8	241
420	Base pairing between U2 and U6 snRNAs is necessary for splicing of a mammalian pre-mRNA. <i>Nature</i> , 1991, 352, 818-821.	27.8	176
421	Domains specifying thrombin-receptor interaction. <i>Nature</i> , 1991, 353, 674-677.	27.8	562
422	The <i>vsr</i> gene product of <i>E. coli</i> K-12 is a strand- and sequence-specific DNA mismatch endonuclease. <i>Nature</i> , 1991, 353, 776-778.	27.8	142
423	Intragenic Sequences Affect the Expression of the Gene Encoding Glial Fibrillary Acidic Protein. <i>Journal of Neurochemistry</i> , 1991, 57, 675-684.	3.9	49
424	Folding in vitro and transport in vivo of pre- $\beta$ -lactamase are SecB independent. <i>Molecular Microbiology</i> , 1991, 5, 117-122.	2.5	22
425	Investigation of the specificity of the interaction between colicin E9 and its immunity protein by site-directed mutagenesis. <i>Molecular Microbiology</i> , 1991, 5, 2727-2733.	2.5	31
426	Genetic mapping of starch- and Lambda-receptor sites in maltoporin: identification of substitutions causing direct and indirect effects on binding sites by cysteine mutagenesis. <i>Molecular Microbiology</i> , 1991, 5, 2293-2301.	2.5	26
427	Analysis of the antigenic difference between Vero toxin 2 (VT2) and VT2 variant (VT2vh) of Verotoxin-producing <i>Escherichia coli</i> by a site-directed mutagenesis. <i>FEMS Microbiology Letters</i> , 1991, 79, 27-30.	1.8	7
428	Monitoring of protein conformation by high-performance size-exclusion liquid chromatography and scanning diode array second-derivative UV absorption spectroscopy. <i>Journal of Chromatography A</i> , 1991, 540, 187-198.	3.7	16
429	Lys631 residue in the active site of the bacteriophage T7 RNA polymerase. Affinity labeling and site-directed mutagenesis. <i>FEBS Journal</i> , 1991, 195, 841-847.	0.2	26
430	Yeast carboxypeptidase Y requires glycosylation for efficient intracellular transport, but not for vacuolar sorting, in vivo stability, or activity. <i>FEBS Journal</i> , 1991, 197, 681-689.	0.2	81
431	Cloning, nucleotide sequence and expression of the cytochrome c-552 gene from <i>Hydrogenobacter thermophilus</i> . <i>FEBS Journal</i> , 1991, 198, 7-12.	0.2	49
432	An intra-dimeric crosslink of large subunits of spinach ribulose-1,5-bisphosphate carboxylase/oxygenase is formed by oxidation of cysteine 247. <i>FEBS Journal</i> , 1991, 200, 353-358.	0.2	18
433	Purification of penicillin-binding protein 4 of <i>Escherichia coli</i> as a soluble protein by dye-affinity chromatography. <i>FEBS Journal</i> , 1991, 200, 767-773.	0.2	25

#	ARTICLE	IF	CITATIONS
434	The catalytic domain of the dihydrolipoyl transacetylase component of the pyruvate dehydrogenase complex From <i>Azotobacter vinelandii</i> and <i>Escherichia coli</i> . Expression, purification, properties and preliminary X-ray analysis. <i>FEBS Journal</i> , 1991, 201, 561-568.	0.2	21
435	Structural role of amino acids 99-110 in recombinant human erythropoietin. <i>FEBS Journal</i> , 1991, 202, 225-229.	0.2	18
436	Single amino acid substitutions in the B870 alpha and beta light-harvesting polypeptides of <i>Rhodobacter capsulatus</i> . Structural and spectral effects. <i>FEBS Journal</i> , 1991, 202, 277-284.	0.2	30
437	Site-directed mutagenesis of the dihydrolipoyl transacetylase component (E2p) of the pyruvate dehydrogenase complex from <i>Azotobacter vinelandii</i> . Binding of the peripheral components E1p and E3. <i>FEBS Journal</i> , 1991, 202, 841-848.	0.2	20
438	Lipoamide Dehydrogenase from <i>Azotobacter vinelandii</i> : site-directed mutagenesis of the His450-Glu455 diad. Spectral properties of wild type and mutated enzymes. <i>FEBS Journal</i> , 1991, 202, 863-872.	0.2	23
439	Redox and flavin-binding properties of recombinant flavodoxin from <i>Desulfovibrio vulgaris</i> (Hildenborough). <i>FEBS Journal</i> , 1991, 202, 1091-1100.	0.2	64
440	Interaction of lipoamide dehydrogenase with the dihydrolipoyl transacetylase component of the pyruvate dehydrogenase complex from <i>Azotobacter vinelandii</i> . <i>FEBS Journal</i> , 1991, 200, 29-34.	0.2	18
441	Initial electron transfer in photosynthetic reaction centers of <i>Rhodobacter capsulatus</i> mutants. <i>Chemical Physics Letters</i> , 1991, 176, 366-372.	2.6	106
442	Generation of monoclonal antibodies against soluble human T cell receptor polypeptides. <i>European Journal of Immunology</i> , 1991, 21, 2111-2119.	2.9	27
443	Chimeric mouse human IgG3 antibodies with an IgG4-like hinge region induce complement-mediated lysis more efficiently than IgG3 with normal hing. <i>European Journal of Immunology</i> , 1991, 21, 2379-2384.	2.9	31
444	A prevalent missense mutation in Northern Europe associated with hyperphenylalaninaemia. <i>European Journal of Pediatrics</i> , 1991, 150, 347-352.	2.7	33
445	Structure function analysis of the H-2 Ab p gene. <i>Immunogenetics</i> , 1991, 34, 358-365.	2.4	5
446	Cu(II)-Binding properties of a cytochrome c with a synthetic metal-binding site: His-X3-His in an $\alpha$ -helix. <i>Proteins: Structure, Function and Bioinformatics</i> , 1991, 10, 156-161.	2.6	84
447	Relative contributions of MCM1 and STE12 to transcriptional activation of $\alpha$ - and $\beta$ -specific genes from <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1991, 227, 197-204.	2.4	53
448	Expression of the cryIIA crystal protein gene of <i>Bacillus thuringiensis</i> . <i>Molecular Genetics and Genomics</i> , 1991, 231, 59-64.	2.4	33
449	A cluster of mutations in HLA-A2 $\alpha$ 2 helix abolishes peptide recognition by T cells. <i>Immunogenetics</i> , 1991, 34, 141-8.	2.4	28
450	The conserved GTPase center and variable region V9 from <i>Saccharomyces cerevisiae</i> 26S rRNA can be replaced by their equivalents from other prokaryotes or eukaryotes without detectable loss of ribosomal function.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 1469-1473.	7.1	55
451	The <i>Neurospora</i> mitochondrial tyrosyl-tRNA synthetase is sufficient for group I intron splicing in vitro and uses the carboxy-terminal tRNA-binding domain along with other regions.. <i>Genes and Development</i> , 1991, 5, 1009-1021.	5.9	53

#	ARTICLE	IF	CITATIONS
452	Detection of the movement protein of red clover necrotic mosaic virus in a cell wall fraction from infected <i>Nicotiana clevelandii</i> plants. <i>Journal of General Virology</i> , 1991, 72, 2853-2856.	2.9	28
453	A Spontaneous Red Clover Necrotic Mosaic Virus Mutant with a Truncated Movement Protein. <i>Journal of General Virology</i> , 1991, 72, 1793-1800.	2.9	15
454	Overexpression, purification and crystallization of BamHI endonuclease. <i>Nucleic Acids Research</i> , 1991, 19, 1825-1829.	14.5	29
455	Characterization of a DNA binding activity in DNase I hypersensitive site 4 of the human globin locus control region. <i>Nucleic Acids Research</i> , 1991, 19, 5385-5393.	14.5	11
456	Alternative modes of self-cleavage by newt satellite 2 transcripts. <i>Nucleic Acids Research</i> , 1991, 19, 1699-1705.	14.5	22
457	Difference in transcriptional regulatory function between c-Fos and Fra-2. <i>Nucleic Acids Research</i> , 1991, 19, 5537-5542.	14.5	193
458	Effect of uracil situated in the vicinity of a mispair on the directionality of mismatch correction in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 1991, 19, 1443-1447.	14.5	1
459	Mutations in 16S rRNA in <i>Escherichia coli</i> at methyl-modified sites: G966, C967, and G1207. <i>Nucleic Acids Research</i> , 1991, 19, 4259-4265.	14.5	30
460	Infectious in vitro RNA transcripts derived from cloned cDNA of the cucurbit potyvirus, zucchini yellow mosaic virus. <i>Journal of General Virology</i> , 1991, 72, 2639-2643.	2.9	46
461	Deposits of amyloid beta protein in the central nervous system of transgenic mice. <i>Science</i> , 1991, 253, 323-325.	12.6	135
462	Suppressors of a U4 snRNA mutation define a novel U6 snRNP protein with RNA-binding motifs.. <i>Genes and Development</i> , 1991, 5, 773-785.	5.9	153
463	Mapping of the DNA linking tyrosine residue of the PRD1 terminal protein. <i>Nucleic Acids Research</i> , 1991, 19, 3805-3810.	14.5	10
464	The CaaX motif is required for isoprenylation, carboxyl methylation, and nuclear membrane association of lamin B2.. <i>Journal of Cell Biology</i> , 1991, 113, 13-23.	5.2	190
465	SpoOA binds to a promoter used by sigma A RNA polymerase during sporulation in <i>Bacillus subtilis</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 4533-4537.	7.1	108
466	Exonucleolytic proofreading of leading and lagging strand DNA replication errors.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 3465-3469.	7.1	59
467	Isolation and characterization of a gene encoding a G-protein alpha subunit from <i>Schizosaccharomyces pombe</i> : involvement in mating and sporulation pathways.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 5877-5881.	7.1	162
468	Coregulation of the <i>Kluyveromyces fragilis</i> lactulose permease and $\beta$ -galactosidase genes is achieved by interaction of multiple LAC9 binding sites in a 2.6 kbp divergent promoter. <i>Nucleic Acids Research</i> , 1991, 19, 5351-5358.	14.5	56
469	Uracil-DNA glycosylase affects mismatch repair efficiency in transformation and bisulfite-induced mutagenesis in <i>Streptococcus pneumoniae</i> . <i>Nucleic Acids Research</i> , 1991, 19, 5525-5531.	14.5	12

#	ARTICLE	IF	CITATIONS
470	Modular recognition of 5-base-pair DNA sequence motifs by human heat shock transcription factor.. Molecular and Cellular Biology, 1991, 11, 3504-3514.	2.3	27
471	Regulating the retention of T-cell receptor alpha chain variants within the endoplasmic reticulum: Ca(2+)-dependent association with BiP.. Journal of Cell Biology, 1991, 114, 189-205.	5.2	196
472	A rapid and versatile method to transfer an insert between single-stranded vectors and reverse its orientation. Nucleic Acids Research, 1991, 19, 3461-3462.	14.5	0
473	Mcm2 and Mcm3, two proteins important for ARS activity, are related in structure and function.. Genes and Development, 1991, 5, 944-957.	5.9	184
474	Product of the Pseudomonas aeruginosa gene pilD is a prepilin leader peptidase.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 3281-3285.	7.1	236
475	The barley lectin carboxyl-terminal propeptide is a vacuolar protein sorting determinant in plants.. Plant Cell, 1991, 3, 1195-1206.	6.6	118
476	High-affinity binding sites for the Deformed protein are required for the function of an autoregulatory enhancer of the Deformed gene.. Genes and Development, 1991, 5, 278-286.	5.9	107
477	[18] Systematic mutational analyses of protein-protein interfaces. Methods in Enzymology, 1991, 202, 390-411.	1.0	311
478	MOD5 translation initiation sites determine N6-isopentenyladenosine modification of mitochondrial and cytoplasmic tRNA.. Molecular and Cellular Biology, 1991, 11, 2382-2390.	2.3	94
479	Regulation of the a Inhibin Gene by Cyclic Adenosine 3'-5'-Monophosphate after Transfection into Rat Granulosa Cells. Molecular Endocrinology, 1991, 5, 521-534.	3.7	118
480	Group I intron self-splicing with adenosine: evidence for a single nucleoside-binding site. Science, 1991, 252, 434-437.	12.6	107
481	Relative Antiviral Activity of<i>In Vitro</i>-Synthesized Murine Interferon- $\gamma$ and $\beta$ . Journal of Interferon Research, 1991, 11, 9-15.	1.2	6
482	Functional importance of sequence in the stem-loop of a transcription terminator. Science, 1991, 254, 1205-1207.	12.6	71
483	The Functional Expression of Antibody Fv Fragments in Escherichia coli: Improved Vectors and a Generally Applicable Purification Technique. Nature Biotechnology, 1991, 9, 273-278.	17.5	203
484	Chapter 4: Mutagenesis of the calmodulin binding domain of neuromodulin. Progress in Brain Research, 1991, 89, 37-44.	1.4	9
485	High-level ribosomal frameshifting directs the synthesis of IS150 gene products. Nucleic Acids Research, 1991, 19, 4377-4385.	14.5	95
486	Effect of mutations affecting the p6 gag protein on human immunodeficiency virus particle release.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 3195-3199.	7.1	664
487	Eukaryotic DNA polymerase amino acid sequence required for 3'→5' exonuclease activity.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9473-9477.	7.1	287



#	ARTICLE	IF	CITATIONS
488	Chimeric human immunodeficiency virus type 1/type 2 reverse transcriptases display reversed sensitivity to nonnucleoside analog inhibitors.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9878-9882.	7.1	119
489	mRNA leader length and initiation codon context determine alternative AUG selection for the yeast gene MOD5.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9789-9793.	7.1	127
490	In vitro mutagenesis and functional expression in Escherichia coli of a cDNA encoding the catalytic domain of human DNA ligase I. Nucleic Acids Research, 1991, 19, 6093-6099.	14.5	95
491	A systematic mutational analysis of hormone-binding determinants in the human growth hormone receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 4498-4502.	7.1	302
492	Mutations in 16S rRNA that affect UGA (stop codon)-directed translation termination.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 6603-6607.	7.1	36
493	TTA codons in some genes prevent their expression in a class of developmental, antibiotic-negative, Streptomyces mutants.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 2461-2465.	7.1	184
494	Regulation of polyadenylation in hepatitis B viruses: stimulation by the upstream activating signal PS1 is orientation-dependent, distance-independent, and additive. Nucleic Acids Research, 1991, 19, 6449-6456.	14.5	65
495	DNA polymerization in the absence of exonucleolytic proofreading: in vivo and in vitro studies.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 2417-2421.	7.1	82
496	Identification of a point mutation in type IIB von Willebrand disease illustrating the regulation of von Willebrand factor affinity for the platelet membrane glycoprotein Ib-IX receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 2946-2950.	7.1	71
497	Human vitamin D receptor is selectively phosphorylated by protein kinase C on serine 51, a residue crucial to its trans-activation function.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9315-9319.	7.1	211
498	Sites within the complement C3b/C4b receptor important for the specificity of ligand binding.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 4353-4357.	7.1	129
499	Identification of functional domains in the maize transcriptional activator C1: comparison of wild-type and dominant inhibitor proteins.. Genes and Development, 1991, 5, 298-309.	5.9	139
500	Developmental and Pathogen-Induced Activation of the Arabidopsis Acidic Chitinase Promoter.. Plant Cell, 1991, 3, 1063-1072.	6.6	131
501	Characterization of the 5' flanking region of the Escherichia coli ppa gene encoding inorganic pyrophosphatase: mutations in the ribosome-binding site decrease the level of ppa mRNA. Journal of General Microbiology, 1991, 137, 2517-2523.	2.3	8
502	Expression of chicken lamin B2 in Escherichia coli: characterization of its structure, assembly, and molecular interactions.. Journal of Cell Biology, 1991, 113, 485-495.	5.2	173
503	VPg-mediated Aggregation of Potyviral RNA. Journal of General Virology, 1991, 72, 205-208.	2.9	8
504	A hammerhead ribozyme allows synthesis of a new form of the Tetrahymena ribozyme homogeneous in length with a 3' end blocked for transesterification. Nucleic Acids Research, 1991, 19, 3875-3880.	14.5	74
505	RNA-protein interactions within the internal translation initiation region of encephalomyocarditis virus RNA. Nucleic Acids Research, 1991, 19, 4999-5005.	14.5	70



#	ARTICLE	IF	CITATIONS
506	Alternative tertiary structure attenuates self-cleavage of the ribozyme in the satellite RNA of barley yellow dwarf virus. <i>Nucleic Acids Research</i> , 1991, 19, 5313-5320.	14.5	57
507	Mutagenesis of the myogenin basic region identifies an ancient protein motif critical for activation of myogenesis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 5675-5679.	7.1	151
508	In vitro transcription of baculovirus immediate early genes: accurate mRNA initiation by nuclear extracts from both insect and human cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 4513-4517.	7.1	105
509	Sequence of general transcription factor TFIIB and relationships to other initiation factors.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 9553-9557.	7.1	100
510	A Golgi retention signal in a membrane-spanning domain of coronavirus E1 protein.. <i>Journal of Cell Biology</i> , 1991, 115, 19-30.	5.2	194
511	Identification of a cell retention signal in the B-chain of platelet-derived growth factor and in the long splice version of the A-chain.. <i>Molecular Biology of the Cell</i> , 1991, 2, 503-512.	6.5	120
512	Bipartite signal sequence mediates nuclear translocation of the plant potyviral NIa protein.. <i>Plant Cell</i> , 1991, 3, 953-962.	6.6	177
513	Regulatory elements and DNA-binding proteins mediating transcription from the chicken very-low-density apolipoprotein II gene. <i>Nucleic Acids Research</i> , 1991, 19, 5371-5377.	14.5	36
514	Construction of synthetic genes using PCR after automated DNA synthesis of their entire top and bottom strands. <i>Nucleic Acids Research</i> , 1991, 19, 6007-6013.	14.5	44
515	Mutations within the RNase H Domain of Human Immunodeficiency Virus Type 1 Reverse Transcriptase Abolish Virus Infectivity. <i>Journal of General Virology</i> , 1991, 72, 59-66.	2.9	153
516	Retinoic acid response element in the human alcohol dehydrogenase gene ADH3: implications for regulation of retinoic acid synthesis.. <i>Molecular and Cellular Biology</i> , 1991, 11, 1638-1646.	2.3	187
517	Plasmodesmatal function is probed using transgenic tobacco plants that express a virus movement protein.. <i>Plant Cell</i> , 1991, 3, 593-604.	6.6	115
518	GAP domains responsible for ras p21-dependent inhibition of muscarinic atrial K <sup>+</sup> channel currents. <i>Science</i> , 1992, 255, 192-194.	12.6	158
519	Transcription factor IID mutants defective for interaction with transcription factor IIA. <i>Science</i> , 1992, 255, 1130-1132.	12.6	102
520	Biochemical and genetic characterization of a yeast TFIID mutant that alters transcription in vivo and DNA binding in vitro.. <i>Molecular and Cellular Biology</i> , 1992, 12, 2372-2382.	2.3	46
521	The I-Ceul endonuclease recognizes a sequence of 19 base pairs and preferentially cleaves the coding strand of the <i>Chlamydomonas moewusi</i> chloroplast large subunit rRNA gene. <i>Nucleic Acids Research</i> , 1992, 20, 6401-6407.	14.5	76
522	Gibberellin-responsive elements in the promoter of a barley high-pI alpha-amylase gene.. <i>Plant Cell</i> , 1992, 4, 1435-1441.	6.6	183
523	A conserved DNA structural control element modulates transcription of a mammalian gene. <i>Nucleic Acids Research</i> , 1992, 20, 6583-6587.	14.5	11

#	ARTICLE	IF	CITATIONS
524	Cooperation of pre-mRNA sequence elements in splice site selection.. Molecular and Cellular Biology, 1992, 12, 2108-2114.	2.3	83
525	A developmentally regulated Caulobacter flagellar promoter is activated by 3' enhancer and IHF binding elements.. Molecular Biology of the Cell, 1992, 3, 913-926.	2.1	183
526	The murineHox-2.4promoter contains a functional octamer motif. Nucleic Acids Research, 1992, 20, 1599-1606.	14.5	12
527	Nucleotide Sequence Responsible for the Synthesis of a Truncated Coat Protein of Brome Mosaic Virus Strain ATCC66. Journal of General Virology, 1992, 73, 2543-2551.	2.9	16
528	Mutations at the guanosine-binding site of theTetrahymenaribozyme also affect site-specific hydrolysis. Nucleic Acids Research, 1992, 20, 6613-6619.	14.5	24
529	Requirements for phosphorylation of MAP kinase during meiosis in Xenopus oocytes. Science, 1992, 255, 212-215.	12.6	319
530	E2F mediates dihydrofolate reductase promoter activation and multiprotein complex formation in human cytomegalovirus infection.. Molecular and Cellular Biology, 1992, 12, 4364-4374.	2.3	138
531	Infectious in vivo transcripts of a plum pox potyvirus full-length cDNA clone containing the cauliflower mosaic virus 35S RNA promoter. Journal of General Virology, 1992, 73, 709-713.	2.9	63
532	TheSchizosaccharomyces pombe rhp3+gene required for DNA repair and cell viability is functionally interchangeable with theRAD3gene ofSaccharomyces cerevisiae. Nucleic Acids Research, 1992, 20, 2327-2334.	14.5	28
533	Aminoacyl esterase activity of the Tetrahymena ribozyme. Science, 1992, 256, 1420-1424.	12.6	206
534	Construction of small-insert genomic DNA libraries highly enriched for microsatellite repeat sequences.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 3419-3423.	7.1	277
535	Functional dissection of the phosphorylated termini of fission yeast DNA topoisomerase II.. Journal of Cell Biology, 1992, 119, 1023-1036.	5.2	95
536	In vivo footprint analysis of the HLA-DRA gene promoter: cell-specific interaction at the octamer site and up-regulation of X box binding by interferon gamma.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 7601-7605.	7.1	60
537	A tyrosyl-tRNA synthetase binds specifically to the group I intron catalytic core.. Genes and Development, 1992, 6, 1357-1372.	5.9	89
538	Identification of an E-selectin region critical for carbohydrate recognition and cell adhesion [published erratum appears in J Cell Biol 1993 Feb;120(4):1071]. Journal of Cell Biology, 1992, 119, 215-227.	5.2	173
539	A point mutation of integrin beta 1 subunit blocks binding of alpha 5 beta 1 to fibronectin and invasin but not recruitment to adhesion plaques.. Journal of Cell Biology, 1992, 119, 913-921.	5.2	128
540	Human and humanâ€”yeast chimeric U6 snRNA genes identify structural elements required for expression in yeast. Nucleic Acids Research, 1992, 20, 479-485.	14.5	19
541	Control of translational repression by protein - protein interactions. Nucleic Acids Research, 1992, 20, 1649-1655.	14.5	83

#	ARTICLE	IF	CITATIONS
542	The Commelina yellow mottle virus promoter is a strong promoter in vascular and reproductive tissues.. Plant Cell, 1992, 4, 185-192.	6.6	108
543	Fc receptor endocytosis is controlled by a cytoplasmic domain determinant that actively prevents coated pit localization.. Journal of Cell Biology, 1992, 116, 875-888.	5.2	138
544	Evidence for instability of mRNAs containing AUUUA motifs mediated through translation-dependent assembly of a > 20S degradation complex.. Genes and Development, 1992, 6, 1927-1939.	5.9	187
545	Activation of the catalytic core of a group I intron by a remote 3' splice junction.. Genes and Development, 1992, 6, 1373-1385.	5.9	60
546	PDGF-AA and PDGF-BB biosynthesis: proprotein processing in the Golgi complex and lysosomal degradation of PDGF-BB retained intracellularly.. Journal of Cell Biology, 1992, 118, 509-519.	5.2	68
547	Upstream binding sequences of the XylR activator protein and integration host factor in the xylS gene promoter region of the Pseudomonas TOL plasmid. Nucleic Acids Research, 1992, 20, 1755-1762.	14.5	52
548	Proteolytic processing of a Murray Valley encephalitis virus non-structural polyprotein segment containing the viral proteinase: accumulation of a NS3-4A precursor which requires mature NS3 for efficient processing. Journal of General Virology, 1992, 73, 2305-2312.	2.9	36
549	Site-directed mutagenesis of the hydrogenase signal peptide consensus box prevents export of a $\alpha$ -lactamase fusion protein. Journal of General Microbiology, 1992, 138, 2173-2183.	2.3	89
550	Effects of null mutations and overexpression of capping protein on morphogenesis, actin distribution and polarized secretion in yeast.. Journal of Cell Biology, 1992, 119, 1151-1162.	5.2	124
551	A zucchini yellow mosaic virus coat protein gene mutation restores aphid transmissibility but has no effect on multiplication. Journal of General Virology, 1992, 73, 2183-2187.	2.9	87
552	Mutation of a tyrosine localization signal in the cytosolic tail of yeast Kex2 protease disrupts Golgi retention and results in default transport to the vacuole.. Molecular Biology of the Cell, 1992, 3, 1353-1371.	2.1	224
553	Localization and specificity of the phospholipid and actin binding sites on the tail of Acanthamoeba myosin IC. Journal of Cell Biology, 1992, 117, 1241-1249.	5.2	123
554	Analysis of the actin-binding domain of alpha-actinin by mutagenesis and demonstration that dystrophin contains a functionally homologous domain.. Journal of Cell Biology, 1992, 116, 1369-1380.	5.2	184
555	Folding and function of a T4 lysozyme containing 10 consecutive alanines illustrate the redundancy of information in an amino acid sequence.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 3751-3755.	7.1	118
556	Exon sequence distant from the splice junction are required for efficient self-splicing of the Tetrahymena IVA. Nucleic Acids Research, 1992, 20, 4027-4032.	14.5	36
557	Transformation by FosB requires a trans-activation domain missing in FosB2 that can be substituted by heterologous activation domains.. Genes and Development, 1992, 6, 667-675.	5.9	44
558	Disulfide bonds are required for Serratia marcescens nuclease activity. Nucleic Acids Research, 1992, 20, 4971-4974.	14.5	36
559	Cooperative binding of the red clover necrotic mosaic virus movement protein to single-stranded nucleic acids. Journal of General Virology, 1992, 73, 223-227.	2.9	101

#	ARTICLE	IF	CITATIONS
560	Differential localizations of and requirements for the two <i>Drosophila</i> ninaC kinase/myosins in photoreceptor cells.. <i>Journal of Cell Biology</i> , 1992, 116, 683-693.	5.2	142
561	The yeast Ca(2+)-ATPase homologue, PMR1, is required for normal Golgi function and localizes in a novel Golgi-like distribution.. <i>Molecular Biology of the Cell</i> , 1992, 3, 633-654.	2.1	431
562	Overlap of the p53-responsive element and cAMP-responsive element in the enhancer of human T-cell leukemia virus type I.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 5403-5407.	7.1	32
563	A viral protease-mediated cleavage of the transmembrane glycoprotein of Mason-Pfizer monkey virus can be suppressed by mutations within the matrix protein.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 3443-3447.	7.1	80
564	Specificity of <i>Escherichia coli</i> endoribonuclease RNase E: in vivo and in vitro analysis of mutants in a bacteriophage T4 mRNA processing site.. <i>Genes and Development</i> , 1992, 6, 149-159.	5.9	205
565	Expression of Maize Phosphoenolpyruvate Carboxylase in Transgenic Tobacco. <i>Plant Physiology</i> , 1992, 98, 458-464.	4.8	92
566	SPT3 interacts with TFIID to allow normal transcription in <i>Saccharomyces cerevisiae</i> .. <i>Genes and Development</i> , 1992, 6, 1319-1331.	5.9	217
567	Small sequence insertions within the branch point region dictate alternative sites of lariat formation in a yeast intron. <i>Nucleic Acids Research</i> , 1992, 20, 6649-6655.	14.5	6
568	Intronic sequence with both negative and positive effects on the regulation of alternative transcripts of the chicken $\beta_2$ troponin transcripts. <i>Nucleic Acids Research</i> , 1992, 20, 3987-3992.	14.5	41
569	Role of the conserved leucines in the leucine zipper dimerization motif of yeast GCN4. <i>Nucleic Acids Research</i> , 1992, 20, 3721-3724.	14.5	31
570	Structure-Function Study of the Region Encompassing Residues 26-40 of Human Interferon- $\gamma$ : Identification of Residues Important for Antiviral and Antiproliferative Activities. <i>Journal of Interferon Research</i> , 1992, 12, 43-48.	1.2	24
571	Studies on the Role of the V3 Loop in Human Immunodeficiency Virus Type 1 Envelope Glycoprotein Function. <i>AIDS Research and Human Retroviruses</i> , 1992, 8, 1611-1618.	1.1	18
572	Genetic and Functional Analysis of a Set of HIV-1 Envelope Genes Obtained from Biological Clones with Varying Syncytium-Inducing Capacities. <i>AIDS Research and Human Retroviruses</i> , 1992, 8, 1803-1813.	1.1	25
573	The effects of expression of an activated <i>ras</i> G mutation on the differentiation of <i>Dictyostelium</i> . <i>Biochemistry and Cell Biology</i> , 1992, 70, 1193-1199.	2.0	12
574	Humanization of an anti-p185HER2 antibody for human cancer therapy.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 4285-4289.	7.1	1,699
575	Allosteric changes in the cAMP receptor protein of <i>Escherichia coli</i> : hinge reorientation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 9700-9704.	7.1	85
576	Intervening sequences in an Archaea DNA polymerase gene.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 5577-5581.	7.1	201
577	Distinct molecular signals for nuclear import of the nucleolar snRNA, U3.. <i>Genes and Development</i> , 1992, 6, 1120-1130.	5.9	53

#	ARTICLE	IF	CITATIONS
578	A mutation in the signal recognition particle 7S RNA of the yeast <i>Yarrowia lipolytica</i> preferentially affects synthesis of the alkaline extracellular protease: in vivo evidence for translational arrest.. <i>Journal of Cell Biology</i> , 1992, 116, 605-616.	5.2	31
579	Functional analysis of the transcriptional activator encoded by the maize B gene: evidence for a direct functional interaction between two classes of regulatory proteins.. <i>Genes and Development</i> , 1992, 6, 864-875.	5.9	378
580	The pathway and targeting signal for delivery of the integral membrane glycoprotein LEP100 to lysosomes.. <i>Journal of Cell Biology</i> , 1992, 118, 1027-1040.	5.2	64
581	Isolation and Characterization of Two Safflower Oleoyl-Acyl Carrier Protein Thioesterase cDNA Clones. <i>Plant Physiology</i> , 1992, 100, 1751-1758.	4.8	52
582	A rapid PCR dependent microtitre plate screening method for DNA sequences altered by site-directed mutagenesis. <i>DNA Sequence</i> , 1992, 3, 233-235.	0.7	2
583	Genetic Approaches to Protein Structure and Function: Point Mutations as Modifiers of Protein Function. <i>Nature Biotechnology</i> , 1992, 10, 1002-1006.	17.5	6
584	Multiplex Random Priming of Internal Restriction Fragments for DNA Sequencing. <i>DNA and Cell Biology</i> , 1992, 11, 337-343.	1.9	2
585	Influence of gamma subunit prenylation on association of guanine nucleotide-binding regulatory proteins with membranes.. <i>Molecular Biology of the Cell</i> , 1992, 3, 49-61.	2.1	151
586	Random PCR mutagenesis screening of secreted proteins by direct expression in mammalian cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 5467-5471.	7.1	23
587	Direct association of pp40/l kappa B beta with rel/NF-kappa B transcription factors: role of ankyrin repeats in the inhibition of DNA binding activity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 4333-4337.	7.1	156
588	A single amino acid exchange transfers VP16-induced positive control from the Oct-1 to the Oct-2 homeo domain.. <i>Genes and Development</i> , 1992, 6, 2058-2065.	5.9	141
589	Nuclear localization signal(s) required for nuclear targeting of the maize regulatory protein Opaque-2.. <i>Plant Cell</i> , 1992, 4, 1213-1227.	6.6	267
590	Membrane protein sorting in the yeast secretory pathway: evidence that the vacuole may be the default compartment.. <i>Journal of Cell Biology</i> , 1992, 119, 69-83.	5.2	181
591	Small amino acid changes in the V3 hypervariable region of gp120 can affect the T-cell-line and macrophage tropism of human immunodeficiency virus type 1.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 9434-9438.	7.1	356
592	Mutations in the D1 subunit of photosystem II distinguish between quinone and herbicide binding sites.. <i>Plant Cell</i> , 1992, 4, 273-282.	6.6	82
593	Site-directed mutagenesis and substrate-induced inactivation of $\alpha$ -lactamase I. <i>Biochemical Journal</i> , 1992, 288, 1045-1051.	3.7	13
594	Purification and analysis of proteinase-resistant mutants of recombinant platelet-derived growth factor-BB exhibiting improved biological activity. <i>Biochemical Journal</i> , 1992, 281, 57-65.	3.7	12
595	Ubiquitin-RAS peptide extensions as substrates for farnesyl-protein transferase and carboxymethyltransferase. <i>Biochemical Journal</i> , 1992, 285, 55-60.	3.7	5

#	ARTICLE	IF	CITATIONS
596	Bovine inositol monophosphatase. Modification, identification and mutagenesis of reactive cysteine residues. <i>Biochemical Journal</i> , 1992, 285, 461-468.	3.7	17
597	Analysis of the heterogeneity of the biological responses to native and mutant human interleukin-6. <i>Journal of Leukocyte Biology</i> , 1992, 52, 415-420.	3.3	2
598	Targeted insertion of selenocysteine into the alpha subunit of formate dehydrogenase from <i>Methanobacterium formicicum</i> . <i>Journal of Bacteriology</i> , 1992, 174, 659-663.	2.2	30
599	Catabolite gene activator protein and integration host factor act in concert to regulate tdc operon expression in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1992, 174, 6918-6927.	2.2	18
600	Possible role of <i>Escherichia coli</i> penicillin-binding protein 6 in stabilization of stationary-phase peptidoglycan. <i>Journal of Bacteriology</i> , 1992, 174, 7572-7578.	2.2	44
601	A putative two-component regulatory system involved in secondary metabolism in <i>Streptomyces</i> spp. <i>Journal of Bacteriology</i> , 1992, 174, 7585-7594.	2.2	126
602	Nonrandom distribution of gp120 N-linked glycosylation sites important for infectivity of human immunodeficiency virus type 1.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 2213-2217.	7.1	114
603	Transactivation and transformation by Myb are negatively regulated by a leucine-zipper structure.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 3088-3092.	7.1	128
604	The yeast EUG1 gene encodes an endoplasmic reticulum protein that is functionally related to protein disulfide isomerase.. <i>Molecular and Cellular Biology</i> , 1992, 12, 4601-4611.	2.3	151
605	The HIP1 binding site is required for growth regulation of the dihydrofolate reductase gene promoter.. <i>Molecular and Cellular Biology</i> , 1992, 12, 1054-1063.	2.3	199
606	Effect of mutations in a zinc-binding domain of yeast RNA polymerase C (III) on enzyme function and subunit association.. <i>Molecular and Cellular Biology</i> , 1992, 12, 1087-1095.	2.3	78
607	Expression of the CD4 gene requires a Myb transcription factor.. <i>Molecular and Cellular Biology</i> , 1992, 12, 1592-1604.	2.3	142
608	Hypoxic induction of the human erythropoietin gene: cooperation between the promoter and enhancer, each of which contains steroid receptor response elements.. <i>Molecular and Cellular Biology</i> , 1992, 12, 5373-5385.	2.3	217
609	E1A-responsive elements for repression of rat fibronectin gene transcription.. <i>Molecular and Cellular Biology</i> , 1992, 12, 2837-2846.	2.3	51
610	Determination by systematic deletion of the amino acids essential for catalysis by ricin A chain.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 4869-4873.	7.1	48
611	A hybrid plant RNA virus made by transferring the noncapsid movement protein from a rod-shaped to an icosahedral virus is competent for systemic infection.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 6808-6812.	7.1	94
612	Dynamic NMR spectral analysis and protein folding: identification of a highly populated folding intermediate of rat intestinal fatty acid-binding protein by 19F NMR.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 7222-7226.	7.1	121
613	Mutagenesis of some conserved residues in human 5-lipoxygenase: effects on enzyme activity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 485-489.	7.1	89



#	ARTICLE	IF	CITATIONS
614	Isolation and characterization of a cDNA encoding Drosophila transcription factor TFIIIB.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 2839-2843.	7.1	39
615	Amino acids necessary for DNA contact and dimerization imply novel motifs in the papillomavirus E2 trans-activator.. Genes and Development, 1992, 6, 105-116.	5.9	66
616	Leucine Dehydrogenase from Bacillus stearothermophilus: Identification of Active-Site Lysine by Modification with Pyridoxal Phosphate1. Journal of Biochemistry, 1992, 112, 258-265.	1.7	20
617	Alteration of Spinach Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase Activase Activities by Site-Directed Mutagenesis. Plant Physiology, 1992, 99, 1201-1207.	4.8	28
618	The budding yeast HRR25 gene product is a casein kinase I isoform.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 7008-7012.	7.1	76
619	A uridine-rich sequence required for translation of prokaryotic mRNA.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 2605-2609.	7.1	71
620	Definition of the transcriptional activation domain of recombinant 43-kilodalton USF.. Molecular and Cellular Biology, 1992, 12, 5094-5101.	2.3	64
621	Synthetic lethal mutations suggest interactions between U5 small nuclear RNA and four proteins required for the second step of splicing.. Molecular and Cellular Biology, 1992, 12, 5197-5205.	2.3	107
622	Multiple functional domains of human U2 small nuclear RNA: strengthening conserved stem I can block splicing.. Molecular and Cellular Biology, 1992, 12, 5464-5473.	2.3	23
623	Temporal expression of the human alcohol dehydrogenase gene family during liver development correlates with differential promoter activation by hepatocyte nuclear factor 1, CCAAT/enhancer-binding protein alpha, liver activator protein, and D-element-binding protein.. Molecular and Cellular Biology, 1992, 12, 3023-3031.	2.3	77
624	The N-terminal 96 residues of MCM1, a regulator of cell type-specific genes in Saccharomyces cerevisiae, are sufficient for DNA binding, transcription activation, and interaction with alpha 1.. Molecular and Cellular Biology, 1992, 12, 3563-3572.	2.3	51
625	PRP38 encodes a yeast protein required for pre-mRNA splicing and maintenance of stable U6 small nuclear RNA levels.. Molecular and Cellular Biology, 1992, 12, 3939-3947.	2.3	79
626	Ligand occupancy mimicked by single residue substitutions in a receptor: transmembrane signaling induced by mutation.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 7890-7894.	7.1	43
627	A nuclear localization signal and the C-terminal omega sequence in the Agrobacterium tumefaciens VirD2 endonuclease are important for tumor formation.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 11837-11841.	7.1	118
628	Regulation of intrasteric inhibition of the multifunctional calcium/calmodulin-dependent protein kinase.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 12127-12131.	7.1	87
629	Tn10 insertion specificity is strongly dependent upon sequences immediately adjacent to the target-site consensus sequence.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 7996-8000.	7.1	85
630	Expression and crystallization of a soluble and functional form of an Fc receptor related to class I histocompatibility molecules.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 638-642.	7.1	98
631	Conversion of acetylcholinesterase to butyrylcholinesterase: modeling and mutagenesis.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 10827-10831.	7.1	292



#	ARTICLE	IF	CITATIONS
632	Uncoupling of the DNA topoisomerase and replication activities of an initiator protein.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 3083-3087.	7.1	35
633	Separate information required for nuclear and subnuclear localization: additional complexity in localizing an enzyme shared by mitochondria and nuclei.. Molecular and Cellular Biology, 1992, 12, 5652-5658.	2.3	48
634	Repression and activation of the Drosophila dopa decarboxylase gene in glia.. Molecular and Cellular Biology, 1992, 12, 5659-5666.	2.3	10
635	Nonsense codons in human beta-globin mRNA result in the production of mRNA degradation products.. Molecular and Cellular Biology, 1992, 12, 1149-1161.	2.3	128
636	Effects of SH2 and SH3 deletions on the functional activities of wild-type and transforming variants of c-Src.. Molecular and Cellular Biology, 1992, 12, 1835-1845.	2.3	187
637	Activation of the HLA-DRA gene in primary human T lymphocytes: novel usage of TATA and the X and Y promoter elements.. Molecular and Cellular Biology, 1992, 12, 5610-5619.	2.3	19
638	Tagging of plant potyvirus replication and movement by insertion of beta-glucuronidase into the viral polyprotein.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 10208-10212.	7.1	232
639	Roles of MinC and MinD in the site-specific septation block mediated by the MinCDE system of Escherichia coli. Journal of Bacteriology, 1992, 174, 63-70.	2.2	218
640	Localization of upstream sequence elements required for nitrate and anaerobic induction of fdn (formate dehydrogenase-N) operon expression in Escherichia coli K-12. Journal of Bacteriology, 1992, 174, 4935-4942.	2.2	72
641	A T7 expression vector optimized for site-directed mutagenesis using oligodeoxyribonucleotide cassettes. Gene, 1992, 117, 113-117.	2.2	67
642	Sequence analysis of a DNA fragment from Buchnera aphidicola (an endosymbiont of aphids) containing genes homologous to dnaG, rpoD, cysE, and secB. Gene, 1992, 119, 113-118.	2.2	37
643	Deletion of hydrophobic domains of viral glycoproteins increases the level of their production in Escherichia coli. Gene, 1992, 112, 157-162.	2.2	19
644	Rational Design of Potent Antagonists to the Human Growth Hormone Receptor. Science, 1992, 256, 1677-1680.	12.6	654
645	Specific valylation of turnip yellow mosaic virus RNA by wheat germ valyl-tRNA synthetase determined by three anticodon loop nucleotides. Biochemistry, 1992, 31, 9183-9189.	2.5	57
646	[3Fe-4S] to [4Fe-4S] cluster conversion in Escherichia coli fumarate reductase by site-directed mutagenesis. Biochemistry, 1992, 31, 2703-2712.	2.5	84
647	Analysis of the binding of 1,3-diacetylchloramphenicol to chloramphenicol acetyltransferase by isotope-edited proton NMR and site-directed mutagenesis. Biochemistry, 1992, 31, 8191-8195.	2.5	23
648	A unique catalytic and inhibitor-binding role for Lys93 of yeast orotidylate decarboxylase. Biochemistry, 1992, 31, 12162-12168.	2.5	62
649	Conformational equilibrium of an enzyme catalytic site in the allosteric transition. Biochemistry, 1992, 31, 5362-5368.	2.5	11

#	ARTICLE	IF	CITATIONS
650	Functional modulation of GABAA receptors by cAMP-dependent protein phosphorylation. <i>Science</i> , 1992, 257, 661-665.	12.6	338
651	Dopamine transporter site-directed mutations differentially alter substrate transport and cocaine binding.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 7782-7785.	7.1	343
652	Specific activation of a tyrosine $\alpha$ ' glycine mutant of $\Delta^5$ -3-ketosteroid isomerase by phenols. <i>Biochemical and Biophysical Research Communications</i> , 1992, 184, 1386-1392.	2.1	17
653	Identification of an amino acid residue involved in the substrate-binding site of rat liver uricase by site-directed mutagenesis. <i>Biochemical and Biophysical Research Communications</i> , 1992, 187, 101-107.	2.1	11
654	Site directed mutagenesis of two cysteine residues in the E. coli OGT O6-alkylguanine DNA alkyltransferase protein. <i>Biochemical and Biophysical Research Communications</i> , 1992, 187, 425-431.	2.1	7
655	Chimeric HU-IHF proteins that alter DNA-binding ability. <i>Gene</i> , 1992, 118, 97-102.	2.2	12
656	Intragenic complementation between <i>Escherichia coli</i> trp repressors with different defects in the tryptophan-binding pocket. <i>Gene</i> , 1992, 117, 23-29.	2.2	4
657	Extended target-site specificity for a hammerhead ribozyme. <i>Gene</i> , 1992, 113, 157-163.	2.2	124
658	Examination by site-directed mutagenesis of the amino acid residues of the thermostable direct hemolysin of <i>Vibrio parahaemolyticus</i> required for its hemolytic activity. <i>Microbial Pathogenesis</i> , 1992, 12, 279-287.	2.9	19
659	The Tn10-encoded tetR mRNA has heterogeneous 5' ends in vivo and in vitro. <i>Gene</i> , 1992, 114, 97-101.	2.2	7
660	Mutagenesis and regulation of the cysJ promoter of <i>Escherichia coli</i> K-12. <i>Gene</i> , 1992, 122, 17-25.	2.2	6
661	A vector for controlled, high-yield production of specifically mutated proteins in <i>Escherichia coli</i> : test of a putative cytidine-binding domain in Rho factor and its Thr16 $\alpha$ ' Ala mutant. <i>Gene</i> , 1992, 118, 103-107.	2.2	16
662	Isolation and characterization of pro-Barley lectin expressed in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 1992, 3, 508-511.	1.3	7
663	Purification of liver aldehyde dehydrogenase by p-hydroxyacetophenone-Sepharose affinity matrix and the coelution of chloramphenicol acetyl transferase from the same matrix with recombinantly expressed aldehyde dehydrogenase. <i>Protein Expression and Purification</i> , 1992, 3, 470-478.	1.3	50
664	Regulation and secretion of an extracellular esterase from <i>Streptomyces scabies</i> . <i>Gene</i> , 1992, 115, 27-31.	2.2	11
665	A fusion plasmid for the synthesis of lipopeptide-antigen chimeras in <i>Escherichia coli</i> . <i>Gene</i> , 1992, 116, 13-20.	2.2	14
666	Amino acid substitution in the C-terminal arm domain of HU-2 results in an enhanced affinity for DNA. <i>Gene</i> , 1992, 121, 121-126.	2.2	7
667	Genetic analysis of an aphid endosymbiont DNA fragment homologous to the rnpA-rpmH-dnaA-dnaN-gyrB region of eubacteria. <i>Gene</i> , 1992, 113, 175-181.	2.2	53

#	ARTICLE	IF	CITATIONS
668	Mutagenesis around residue 176 on HLA-B*0702 characterizes multiple distinct epitopes for anti-HLA antibodies. <i>Human Immunology</i> , 1992, 35, 125-131.	2.4	20
669	Identification of effector-activating residues of GsM. <i>Cell</i> , 1992, 68, 911-922.	28.9	190
670	Crystal structure of a soluble form of the human T cell coreceptor CD8 at 2.6 Å resolution. <i>Cell</i> , 1992, 68, 1145-1162.	28.9	280
671	Polypeptides containing highly conserved regions of transcription initiation factor TFIID exhibit specificity of binding to promoter DNA. <i>Cell</i> , 1992, 70, 501-512.	28.9	326
672	The <i>A. tumefaciens</i> transcriptional activator OccR causes a bend at a target promoter, which is partially relaxed by a plant tumor metabolite. <i>Cell</i> , 1992, 69, 659-667.	28.9	136
673	A novel transcription factor reveals a functional link between the RNA polymerase II CTD and TFIID. <i>Cell</i> , 1992, 69, 883-894.	28.9	177
674	Ligand-induced redistribution of a human KDEL receptor from the Golgi complex to the endoplasmic reticulum. <i>Cell</i> , 1992, 68, 353-364.	28.9	399
675	SHR3: A novel component of the secretory pathway specifically required for localization of amino acid permeases in yeast. <i>Cell</i> , 1992, 71, 463-478.	28.9	210
676	The pro region of BPTI facilitates folding. <i>Cell</i> , 1992, 71, 841-851.	28.9	140
677	Expression, purification, and characterization of inactive human coagulation factor Xa (Asn322Ala419). <i>Protein Expression and Purification</i> , 1992, 3, 518-524.	1.3	10
678	Secondary structure of the self-cleaving RNA of hepatitis delta virus: applications to catalytic RNA design. <i>Biochemistry</i> , 1992, 31, 11843-11852.	2.5	103
679	Investigation of the structural determinants of the intrinsic fluorescence emission of the trp repressor using single tryptophan mutants. <i>Biophysical Journal</i> , 1992, 63, 741-750.	0.5	28
680	Structure and dynamics of <i>Escherichia coli</i> chemosensory receptors. Engineered sulfhydryl studies. <i>Biophysical Journal</i> , 1992, 62, 209-219.	0.5	89
681	Use of recombinant fusion proteins for generation and rapid characterization of monoclonal antibodies. <i>Journal of Immunological Methods</i> , 1992, 147, 1-11.	1.4	9
682	Ligand expression using antigenization of antibody: Principle and methods. <i>ImmunoMethods</i> , 1992, 1, 41-51.	0.8	12
683	Dissection of helix capping in T4 lysozyme by structural and thermodynamic analysis of six amino acid substitutions at Thr 59. <i>Biochemistry</i> , 1992, 31, 3590-3596.	2.5	118
684	Intramolecular catalysis of a proline isomerization reaction in the folding of dihydrofolate reductase. <i>Biochemistry</i> , 1992, 31, 5687-5691.	2.5	83
685	Cleavage of oligoribonucleotides by a ribozyme derived from the hepatitis delta virus RNA sequence. <i>Biochemistry</i> , 1992, 31, 16-21.	2.5	127

#	ARTICLE	IF	CITATIONS
686	Site-directed conversion of a cysteine to aspartate leads to the assembly of a N iron-sulfur[3Fe-4S] cluster to PsaC of photosystem I. The photoreduction of FA is independent of FB. Biochemistry, 1992, 31, 5093-5099.	2.5	119
687	High-affinity calmodulin binding is required for the rapid entry of Bordetella pertussis adenyl cyclase into neuroblastoma cells. Biochemistry, 1992, 31, 8884-8891.	2.5	7
688	Importance of lysine-286 at the NADP site of glutamate dehydrogenase from Salmonella typhimurium. Biochemistry, 1992, 31, 7807-7814.	2.5	14
689	Introduction of reactive cysteine residues in the .epsilon. subunit of Escherichia coli F1 ATPase, modification of these sites with (azidotetrafluorophenyl)maleimides, and examination of changes in the binding of the .epsilon. subunit when different nucleotides are in catalytic sites. Biochemistry, 1992, 31, 2956-2961.	2.5	103
690	Structural and functional analysis of human germ cell alkaline phosphatase by site-specific mutagenesis. Biochemistry, 1992, 31, 3051-3058.	2.5	17
691	Mechanistic consequences of mutation of the active site nucleophile Glu 358 in Agrobacterium .beta.-glucosidase. Biochemistry, 1992, 31, 9979-9985.	2.5	96
692	Acetyl coenzyme A binding by chloramphenicol acetyltransferase: long-range electrostatic determinants of coenzyme A recognition. Biochemistry, 1992, 31, 4198-4205.	2.5	18
693	Role of the carboxy-terminus of polypeptide D1 in the assembly of a functional water-oxidizing manganese cluster in photosystem II of the cyanobacterium Synechocystis sp. PCC 6803:assembly requires a free carboxyl group at C-terminal position 344. Biochemistry, 1992, 31, 10859-10871.	2.5	239
694	Structure-function analysis of Escherichia coli translation initiation factor IF3: tyrosine 107 and lysine 110 are required for ribosome binding. Biochemistry, 1992, 31, 11984-11990.	2.5	39
695	Structural similarity of D-aminopeptidase to carboxypeptidase DD and .beta.-lactamases. Biochemistry, 1992, 31, 2316-2328.	2.5	72
696	C-Terminal cysteines of Tn501 mercuric ion reductase. Biochemistry, 1992, 31, 1677-1685.	2.5	34
697	Truncation of N-terminal extracellular or C-terminal intracellular domains of human ETA receptor abrogated the binding activity to ET-1. Biochemical and Biophysical Research Communications, 1992, 187, 1241-1248.	2.1	30
698	Site-specific mutagenesis of two histidine residues in fatty acid ethyl ester synthase-III. Biochemical and Biophysical Research Communications, 1992, 184, 706-711.	2.1	8
699	Mutational analysis reveals only one catalytic histidine in neutral endopeptidase (â€œenkephalinaseâ€œ). Biochemical and Biophysical Research Communications, 1992, 184, 883-887.	2.1	6
700	Site-specific mutations of conserved C-terminal residues in aminoglycoside 3â€²-phosphotransferase II: Phenotypic and structural analysis of mutant enzymes. Biochemical and Biophysical Research Communications, 1992, 185, 925-931.	2.1	18
701	Site-induced mutagenesis of conserved residues of Clostridium Thermocellum endoglucanase celc. Biochemical and Biophysical Research Communications, 1992, 189, 807-812.	2.1	42
702	The disulfide bonds in antibody variable domains: effects on stability, folding in vitro, and functional expression in Escherichia coli. Biochemistry, 1992, 31, 1270-1279.	2.5	190
703	Chimeric allosteric citrate synthases: Construction and properties of citrate synthases containing domains from two different enzymes. Archives of Biochemistry and Biophysics, 1992, 298, 238-246.	3.0	19

#	ARTICLE	IF	CITATIONS
704	Characterization of the proto-oncogene Pim-1: Kinase activity and substrate recognition sequence. Archives of Biochemistry and Biophysics, 1992, 298, 594-601.	3.0	63
705	Effects of substitutions of glycine and asparagine for serine132 on activity and binding of human lipoprotein lipase to very low density lipoproteins. FEBS Letters, 1992, 298, 36-38.	2.8	3
706	In vivo import of yeast adenylate kinase into mitochondria affected by site-directed mutagenesis. FEBS Letters, 1992, 299, 267-272.	2.8	24
707	Functional relationships between cyclodextrin glucanotransferase from an alkalophilic Bacillus and $\alpha$ -amylases Site-directed mutagenesis of the conserved two Asp and one Glu residues. FEBS Letters, 1992, 296, 37-40.	2.8	53
708	The identification and characterisation of an actin-binding site in $\alpha$ -actinin by mutagenesis. FEBS Letters, 1992, 304, 201-206.	2.8	66
709	The differential role of Cys-421 and Cys-429 of the Glut1 glucose transporter in transport inhibition by p-chloromercuribenzenesulfonic acid (pCMBS) or cytochalasin B (CB). FEBS Letters, 1992, 309, 293-296.	2.8	20
710	Localization of the steroid-binding site of the human sex steroid-binding protein of plasma (SBP) or Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	15
711	Identification of a domain of ETAreceptor required for ligand binding. FEBS Letters, 1992, 311, 179-183.	2.8	32
712	Ethanol potentiation of GABAAreceptors requires phosphorylation of the alternatively spliced variant of the $\beta$ 2 subunit. FEBS Letters, 1992, 313, 113-117.	2.8	162
713	Mutagenesis of the Bacillus subtilis $\sigma^{12}$ promoter of the levanase operon and evidence for the existence of an upstream activating sequence. Journal of Molecular Biology, 1992, 226, 85-99.	4.2	81
714	Mutant prohead RNAs in the in Vitro packaging of bacteriophage $\phi$ 29 DNA-gp3. Journal of Molecular Biology, 1992, 223, 991-998.	4.2	39
715	Solution structure of the fibrin binding finger domain of tissue-type plasminogen activator determined by $^1\text{H}$ nuclear magnetic resonance. Journal of Molecular Biology, 1992, 225, 821-833.	4.2	52
716	Importance of mRNA folding and start codon accessibility in the expression of genes in a ribosomal protein operon of Escherichia coli. Journal of Molecular Biology, 1992, 224, 949-966.	4.2	67
717	Developmental regulation of transcription of the Bacillus subtilis ftsAZ operon. Journal of Molecular Biology, 1992, 224, 967-979.	4.2	97
718	Changing the specificity of the sorting receptor for luminal endoplasmic reticulum proteins. Journal of Molecular Biology, 1992, 224, 1-5.	4.2	34
719	Positive regulation of the expression of the Escherichia coli pts operon. Journal of Molecular Biology, 1992, 226, 623-635.	4.2	43
720	High resolution functional analysis of antibody-antigen interactions. Journal of Molecular Biology, 1992, 226, 851-865.	4.2	222
721	Site-directed mutagenesis of the GTP-binding domain of $\beta$ -tubulin. Journal of Molecular Biology, 1992, 227, 307-321.	4.2	27

#	ARTICLE	IF	CITATIONS
722	Specificity of origin recognition by replication initiator protein in plasmids of the pT181 family is determined by a six amino acid residue element. <i>Journal of Molecular Biology</i> , 1992, 223, 145-158.	4.2	44
723	General mutagenesis/gene expression procedure for the construction of variant immunoglobulin domains in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1992, 228, 359-365.	4.2	15
724	Loop Mutations can cause a substantial conformational change in the carboxy terminus of the ferritin protein. <i>Journal of Molecular Biology</i> , 1992, 227, 532-543.	4.2	28
725	Mutagenesis of a conserved region of the gene encoding the FLP recombinase of <i>Saccharomyces cerevisiae</i> . <i>Journal of Molecular Biology</i> , 1992, 225, 313-326.	4.2	57
726	McrBC: a multisubunit GTP-dependent restriction endonuclease. <i>Journal of Molecular Biology</i> , 1992, 225, 327-348.	4.2	200
727	Cell-cycle control of a cloned chromosomal origin of replication from <i>Caulobacter crescentus</i> . <i>Journal of Molecular Biology</i> , 1992, 226, 959-977.	4.2	99
728	Mutations affecting RNA-DNA hybrid formation of the ColE1 replication primer RNA. <i>Journal of Molecular Biology</i> , 1992, 226, 997-1008.	4.2	10
729	Thermal motions of surface $\alpha$ -helices in the d-galactose chemosensory receptor. <i>Journal of Molecular Biology</i> , 1992, 226, 1219-1235.	4.2	235
730	Coding from a distance: dissection of the mRNA determinants required for the incorporation of selenocysteine into protein.. <i>EMBO Journal</i> , 1992, 11, 3759-3766.	7.8	163
731	Repression of <i>Escherichia coli</i> purB is by a transcriptional roadblock mechanism. <i>Journal of Bacteriology</i> , 1992, 174, 7121-7127.	2.2	62
732	Identification of a protein-binding sequence involved in expression of an esterase gene from <i>Streptomyces scabies</i> . <i>Journal of Bacteriology</i> , 1992, 174, 4287-4293.	2.2	7
733	The stable maintenance system pem of plasmid R100: degradation of PemI protein may allow PemK protein to inhibit cell growth. <i>Journal of Bacteriology</i> , 1992, 174, 4205-4211.	2.2	106
734	The Substitution of Cysteine 17 of Recombinant Human G-CSF with Alanine Greatly Enhanced its Stability.. <i>Cell Structure and Function</i> , 1992, 17, 61-65.	1.1	24
735	Site-directed mutagenesis at the Exo III motif of phi 29 DNA polymerase; overlapping structural domains for the 3' to 5' exonuclease and strand-displacement activities.. <i>EMBO Journal</i> , 1992, 11, 4227-4237.	7.8	85
736	Mutational analysis of signal transduction by ArcB, a membrane sensor protein responsible for anaerobic repression of operons involved in the central aerobic pathways in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1992, 174, 3972-3980.	2.2	92
737	Sequence elements in the <i>Escherichia coli</i> araFGH promoter. <i>Journal of Bacteriology</i> , 1992, 174, 6862-6871.	2.2	12
738	Characterization of two hypertransposing Tn5 mutants. <i>Journal of Bacteriology</i> , 1992, 174, 1229-1239.	2.2	65
739	Non-glycosylated recombinant pro-concanavalin A is active without polypeptide cleavage.. <i>EMBO Journal</i> , 1992, 11, 1303-1307.	7.8	57



#	ARTICLE	IF	CITATIONS
740	Human p68 kinase exhibits growth suppression in yeast and homology to the translational regulator GCN2.. EMBO Journal, 1992, 11, 1553-1562.	7.8	300
741	High plasticity of multispecific DNA methyltransferases in the region carrying DNA target recognizing enzyme modules.. EMBO Journal, 1992, 11, 4445-4450.	7.8	27
742	Dominant-negative mutants of a yeast G-protein beta subunit identify two functional regions involved in pheromone signalling.. EMBO Journal, 1992, 11, 4805-4813.	7.8	83
743	Mutations in the P1 promoter region of <i>Micromonospora echinospora</i> . Journal of Bacteriology, 1992, 174, 3111-3117.	2.2	1
744	Mutational analysis reveals functional similarity between NARX, a nitrate sensor in <i>Escherichia coli</i> K-12, and the methyl-accepting chemotaxis proteins. Journal of Bacteriology, 1992, 174, 3667-3675.	2.2	54
745	Activation of <i>Bacillus subtilis</i> transcription factor sigma B by a regulatory pathway responsive to stationary-phase signals. Journal of Bacteriology, 1992, 174, 3695-3706.	2.2	154
746	Murein-metabolizing enzymes from <i>Escherichia coli</i> : existence of a second lytic transglycosylase. Journal of Bacteriology, 1992, 174, 6394-6403.	2.2	46
747	Characterization of the <i>Caulobacter crescentus</i> flbF promoter and identification of the inferred FlbF product as a homolog of the LcrD protein from a <i>Yersinia enterocolitica</i> virulence plasmid. Journal of Bacteriology, 1992, 174, 857-866.	2.2	58
748	Characterization of the bacteriophage lambda excisionase (Xis) protein: the C-terminus is required for Xis-integrase cooperativity but not for DNA binding.. EMBO Journal, 1992, 11, 3797-3806.	7.8	61
749	Integration host factor is required for positive regulation of the tdc operon of <i>Escherichia coli</i> . Journal of Bacteriology, 1992, 174, 233-240.	2.2	26
750	Deletion of an additional domain located between SXXX and SXN active-site fingerprints in penicillin-binding protein 4 from <i>Escherichia coli</i> . Journal of Bacteriology, 1992, 174, 3261-3269.	2.2	23
751	Effects of site-directed mutations on processing and activities of penicillin G acylase from <i>Escherichia coli</i> ATCC 11105. Journal of Bacteriology, 1992, 174, 6270-6276.	2.2	61
752	Aspartate and maltose-binding protein interact with adjacent sites in the Tar chemotactic signal transducer of <i>Escherichia coli</i> . Journal of Bacteriology, 1992, 174, 1528-1536.	2.2	85
753	Coordinate genetic control of yeast fatty acid synthase genes FAS1 and FAS2 by an upstream activation site common to genes involved in membrane lipid biosynthesis.. EMBO Journal, 1992, 11, 107-114.	7.8	116
754	X-ray structure of nucleoside diphosphate kinase.. EMBO Journal, 1992, 11, 3203-3208.	7.8	174
755	Chimeric myosin regulatory light chains identify the subdomain responsible for regulatory function.. EMBO Journal, 1992, 11, 4715-4722.	7.8	25
756	Intramolecular relationships in cholinesterases revealed by oocyte expression of site-directed and natural variants of human BCHE.. EMBO Journal, 1992, 11, 1641-1649.	7.8	50
757	Critical cytoplasmic domains of the common beta subunit of the human GM-CSF, IL-3 and IL-5 receptors for growth signal transduction and tyrosine phosphorylation.. EMBO Journal, 1992, 11, 3541-3549.	7.8	332

#	ARTICLE	IF	CITATIONS
758	Activity of mutant sigma F proteins truncated near the C terminus. <i>Journal of Bacteriology</i> , 1992, 174, 7144-7148.	2.2	2
759	Identification of three adjacent amino acids of interleukin-2 receptor beta chain which control the affinity and the specificity of the interaction with interleukin-2.. <i>EMBO Journal</i> , 1992, 11, 2047-2053.	7.8	31
760	Regulation of the macrolide-lincosamide-streptogramin B resistance gene ermD. <i>Journal of Bacteriology</i> , 1992, 174, 5860-5868.	2.2	28
761	Functional roles assigned to the periplasmic, linker, and receiver domains of the <i>Agrobacterium tumefaciens</i> VirA protein. <i>Journal of Bacteriology</i> , 1992, 174, 7033-7039.	2.2	118
762	Altered-function mutations of the transcriptional regulatory gene virG of <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 1992, 174, 7040-7043.	2.2	33
763	SpoOA controls the sigma A-dependent activation of <i>Bacillus subtilis</i> sporulation-specific transcription unit spoIIIE. <i>Journal of Bacteriology</i> , 1992, 174, 2648-2658.	2.2	131
764	Effects of amino acid substitutions in the -10 binding region of sigma E from <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1992, 174, 6815-6821.	2.2	24
765	A subdomain in the transmembrane domain is necessary for p185neu* activation.. <i>EMBO Journal</i> , 1992, 11, 923-932.	7.8	69
766	An autoregulatory element of the murine Hox-4.2 gene.. <i>EMBO Journal</i> , 1992, 11, 3673-3680.	7.8	97
767	Structure-function analysis of hepatocyte growth factor: identification of variants that lack mitogenic activity yet retain high affinity receptor binding.. <i>EMBO Journal</i> , 1992, 11, 2503-2510.	7.8	267
768	Protein C deficiency Hong Kong 1 and 2: hereditary protein C deficiency caused by two mutant alleles, a 5-nucleotide deletion and a missense mutation. <i>Blood</i> , 1992, 80, 126-133.	1.4	19
769	Survival of phage M13 with uracils on one or both DNA strands. <i>Molecular Genetics and Genomics</i> , 1992, 233, 348-354.	2.4	4
770	Regulation of the <i>Bacillus subtilis</i> W23 xylose utilization operon : interaction of the Xyl repressor with the xyl operator and the inducer xylose. <i>Molecular Genetics and Genomics</i> , 1992, 232, 415-422.	2.4	56
771	The hyp operon gene products are required for the maturation of catalytically active hydrogenase isoenzymes in <i>Escherichia coli</i> . <i>Archives of Microbiology</i> , 1992, 158, 444-51.	2.2	171
772	Identification of the site of translational frameshifting required for production of the transposase encoded by insertion sequence IS 1. <i>Molecular Genetics and Genomics</i> , 1992, 235, 317-324.	2.4	32
773	DNA sequences required for translational frameshifting in production of the transposase encoded by IS 1. <i>Molecular Genetics and Genomics</i> , 1992, 235, 325-332.	2.4	24
774	XylS domain interactions can be deduced from intraallelic dominance in double mutants of <i>Pseudomonas putida</i> . <i>Molecular Genetics and Genomics</i> , 1992, 235, 406-412.	2.4	24
775	Development and characterization of a generalized gene tagging system for higher plants using an engineered maize transposon Ac. <i>Plant Molecular Biology</i> , 1992, 20, 177-198.	3.9	13

#	ARTICLE	IF	CITATIONS
776	Functional elements of the Arabidopsis Adh promoter include the G-box. <i>Plant Molecular Biology</i> , 1992, 19, 859-862.	3.9	49
777	Characterization of nucleotide sequences that interact with a nuclear protein fraction in rRNA gene of <i>Vicia faba</i> . <i>Plant Molecular Biology</i> , 1992, 20, 939-949.	3.9	8
778	A YIGSR-containing novel mutein without the detrimental effect of human TNF- $\alpha$ of enhancing experimental pulmonary metastasis. <i>Clinical and Experimental Metastasis</i> , 1992, 10, 267-72.	3.3	17
779	Secretion of genetically-engineered dihydrofolate reductase from <i>Escherichia coli</i> using an <i>E. coli</i> $\alpha$ -hemolysin membrane translocation system. <i>Applied Microbiology and Biotechnology</i> , 1992, 37, 765-71.	3.6	16
780	Structural analysis of wild-type and mutant yeast calmodulins by limited proteolysis and electrospray ionization mass spectrometry. <i>Protein Science</i> , 1992, 1, 504-516.	7.6	39
781	Characterization of the structure and properties of the His 62 $\rightarrow$ Ala and Arg 38 $\rightarrow$ Ala mutants of yeast phosphoglycerate kinase: An investigation of the catalytic and activatory sites by site-directed mutagenesis and NMR. <i>Protein Science</i> , 1992, 1, 752-760.	7.6	20
782	Cis proline mutants of ribonuclease A. I. thermal stability. <i>Protein Science</i> , 1992, 1, 910-916.	7.6	68
783	<i>Escherichia coli</i> K12 arabinose-binding protein mutants with altered transport properties. <i>Protein Science</i> , 1992, 1, 1652-1660.	7.6	18
784	Folding of RNase T1 is decelerated by a specific tertiary contact in a folding intermediate. <i>Proteins: Structure, Function and Bioinformatics</i> , 1992, 12, 171-179.	2.6	47
785	Amino acid substitution analysis of <i>E. coli</i> thymidylate synthase: The study of a highly conserved region at the N-terminus. <i>Proteins: Structure, Function and Bioinformatics</i> , 1992, 13, 352-363.	2.6	18
786	N-linked glycosylation of proteinase B precursors of the yeast <i>Saccharomyces cerevisiae</i> is not require for proper targeting or processing of the enzyme. <i>Yeast</i> , 1992, 8, 353-359.	1.7	3
787	Parameters affecting the frequencies of transformation and co-transformation with synthetic oligonucleotides in yeast. <i>Yeast</i> , 1992, 8, 935-948.	1.7	71
788	Mutational analysis of two putative domains within the large subunit of carbamoyl phosphate synthetase from <i>Escherichia coli</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 319-322.	2.2	5
789	A general system to integrate lacZ fusions into the chromosomes of gram-negative eubacteria: regulation of the P <sub>m</sub> promoter of the TOL plasmid studied with all controlling elements in monocopy. <i>Molecular Genetics and Genomics</i> , 1992, 233, 293-301.	2.4	285
790	A single nucleotide change within a plant virus satellite RNA alters the host specificity of disease induction.. <i>Plant Journal</i> , 1992, 2, 43-49.	5.7	47
791	Antigenized antibodies. <i>Nature</i> , 1992, 355, 476-477.	27.8	58
792	RNA substrate binding site in the catalytic core of the Tetrahymena ribozyme. <i>Nature</i> , 1992, 358, 123-128.	27.8	215
793	Altered substrate specificity by substitutions at Tyr218 in bacterial aminoglycoside 3'-phosphotransferase-II. <i>FEMS Microbiology Letters</i> , 1992, 93, 199-202.	1.8	13

#	ARTICLE	IF	CITATIONS
794	Misreading of the argI message in <i>Escherichia coli</i> . FEMS Microbiology Letters, 1992, 100, 141-145.	1.8	4
795	The stable BRP signal peptide causes lethality but is unable to provoke the translocation of cloacin DF13 across the cytoplasmic membrane of <i>Escherichia coli</i> . Molecular Microbiology, 1992, 6, 2309-2318.	2.5	20
796	Regulatory mutants and transcriptional control of the <i>Serratia marcescens</i> extracellular nuclease gene. Molecular Microbiology, 1992, 6, 643-651.	2.5	30
797	Phosphorylation of IcsA by cAMP-dependent protein kinase and its effect on intercellular spread of <i>Shigella flexneri</i> . Molecular Microbiology, 1992, 6, 833-841.	2.5	59
798	The chromosomal integration site for the <i>Streptomyces</i> plasmid SLP1 is a functional tRNA <sup>Tyr</sup> gene essential for cell viability. Molecular Microbiology, 1992, 6, 3041-3050.	2.5	22
799	Secretion of the STA3 heat-stable enterotoxin of <i>Escherichia coli</i> : extracellular delivery of Pro-STAs accomplished by either Pro or STA. Molecular Microbiology, 1992, 6, 3521-3529.	2.5	25
800	High copy number of the pUC plasmid results from a <i>Rom/Rop</i> -suppressible point mutation in RNA II. Molecular Microbiology, 1992, 6, 3385-3393.	2.5	207
801	Interaction between maltose-binding protein and the membrane-associated maltose transporter complex in <i>Escherichia coli</i> . Molecular Microbiology, 1992, 6, 2033-2040.	2.5	56
802	Characterization of the antigenic and adhesive properties of FaeG, the major subunit of K88 fimbriae. Molecular Microbiology, 1992, 6, 247-255.	2.5	109
803	Construction of a new <i>Escherichia coli</i> - <i>Saccharomyces cerevisiae</i> shuttle plasmid cloning vector allowing positive selection for cloned fragments. Folia Microbiologica, 1992, 37, 193-198.	2.3	4
804	Miniantibodies: use of amphipathic helices to produce functional, flexibly linked dimeric FV fragments with high avidity in <i>Escherichia coli</i> . Biochemistry, 1992, 31, 1579-1584.	2.5	305
805	Structural and functional characterization of the mutant <i>Escherichia coli</i> glutaredoxin (C14.fwdarw.S) and its mixed disulfide with glutathione. Biochemistry, 1992, 31, 9288-9293.	2.5	215
806	Monoclonal and engineered antibodies for human parenteral clinical use: regulatory considerations. Trends in Biotechnology, 1992, 10, 305-309.	9.3	6
807	Site-directed mutations in the potyvirus HC-PRO gene affect helper component activity, virus accumulation, and symptom expression in infected tobacco plants. Virology, 1992, 191, 106-111.	2.4	193
808	Replication capacities of natural and artificial precore stop codon mutants of hepatitis B virus: Relevance of pregenome encapsidation signal. Virology, 1992, 191, 237-245.	2.4	119
809	Characterization of the potyviral HC-pro autoproteolytic cleavage site. Virology, 1992, 187, 308-315.	2.4	81
810	The replication of cymbidium ringspot tobravirus defective interfering-satellite RNA hybrid molecules. Virology, 1992, 190, 579-586.	2.4	18
811	Inhibition of replication of HIV-1 by retroviral vectors expressing tat-antisense and anti-tat ribozyme RNA. Virology, 1992, 190, 176-183.	2.4	125

#	ARTICLE	IF	CITATIONS
812	Conversion of human interferon- $\beta$ from a secreted to a phosphatidylinositol anchored protein by fusion of a 17 amino acid sequence to its carboxyl terminus. <i>Molecular and Cellular Biochemistry</i> , 1992, 110, 181-191.	3.1	2
813	Sequence analysis of an aphid endosymbiont DNA fragment containing <i>rpoB</i> ( $\beta$ -subunit of RNA Tj ETQq1 1 0.784314 rgBT / Overlock 10	2.2	20
814	Cytoplasmic high-level expression of a soluble, enzymatically active form of the <i>Escherichia coli</i> penicillin-binding protein 5 and purification by dye chromatography. <i>FEBS Journal</i> , 1992, 204, 197-202.	0.2	22
815	Reconstitution of pyruvate dehydrogenase multienzyme complexes based on chimeric core structures from <i>Azotobacter vinelandii</i> and <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1992, 206, 427-435.	0.2	18
816	Autoactivation of proteinase A initiates activation of yeast vacuolar zymogens. <i>FEBS Journal</i> , 1992, 207, 277-283.	0.2	68
817	A point mutation of low-density-lipoprotein receptor causing rapid degradation of the receptor. <i>FEBS Journal</i> , 1992, 210, 1-7.	0.2	13
818	Isolation and functional analysis of histidine-tagged elongation factor Tu. <i>FEBS Journal</i> , 1992, 210, 177-183.	0.2	60
819	Substitution of Arg214 at the substrate-binding site of <i>p</i> , -hydroxybenzoate hydroxylase from <i>Pseudomonas fluorescens</i> . <i>FEBS Journal</i> , 1992, 210, 411-419.	0.2	58
820	Analysis of the effectiveness of proline substitutions and glycine replacements in increasing the stability of phage T4 lysozyme. <i>Biopolymers</i> , 1992, 32, 1431-1441.	2.4	68
821	In vitro mutagenesis of the yeast <i>SUP4</i> gene to identify all substitutions that can be detected in vivo with the <i>SUP4</i> system. <i>Environmental and Molecular Mutagenesis</i> , 1992, 19, 282-287.	2.2	24
822	Induction of synthesis of manganous superoxide dismutase in L-M(pNtnF) cells carrying an inducible TNF gene. <i>International Journal of Cancer</i> , 1992, 50, 458-462.	5.1	17
823	The cellulose-binding domain (CBDCex) of an exoglucanase from <i>Cellulomonas fimi</i> : Production in <i>Escherichia coli</i> and characterization of the polypeptide. <i>Biotechnology and Bioengineering</i> , 1993, 42, 401-409.	3.3	93
824	Inhibition of human immunodeficiency virus reactivation from latency by a tat transdominant negative mutant. <i>Journal of Medical Virology</i> , 1993, 41, 289-295.	5.0	24
825	The solution structure of the human retinoic acid receptor- $\beta$ DNA-binding domain. <i>Journal of Biomolecular NMR</i> , 1993, 3, 1-17.	2.8	55
826	Functional analysis of the $\gamma$ -glutamylcysteine synthetase of <i>Escherichia coli</i> B: effect of substitution of His-150 to Ala. <i>Applied Microbiology and Biotechnology</i> , 1993, 38, 473-7.	3.6	2
827	DNA binding domains in Tn3 transposase. <i>Molecular Genetics and Genomics</i> , 1993, 236-236, 267-274.	2.4	20
828	Molecular and genetic characterization of SPT4, a gene important for transcription initiation in <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1993, 237, 449-459.	2.4	60
829	Physical organization of the upper pathway operon promoter of the <i>Pseudomonas</i> TOL plasmid. Sequence and positional requirements for XylR-dependent activation of transcription. <i>Molecular Genetics and Genomics</i> , 1993, 239, 281-288.	2.4	15

#	ARTICLE	IF	CITATIONS
830	pR plasmid replication provides evidence that single-stranded DNA induces the SOS system in vivo. <i>Molecular Genetics and Genomics</i> , 1993, 238, 333-338.	2.4	23
831	Resistance to cymbidium ringspot tomosvirus infection in transgenic <i>Nicotiana benthamiana</i> plants expressing the virus coat protein gene. <i>Plant Molecular Biology</i> , 1993, 21, 665-672.	3.9	12
832	Deletion mutations in a long hydrophilic loop in the photosystem II chlorophyll-binding protein CP43 in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant Molecular Biology</i> , 1993, 23, 123-133.	3.9	34
833	Characterization of pea chloroplastic carbonic anhydrase. Expression in <i>Escherichia coli</i> and site-directed mutagenesis. <i>Plant Molecular Biology</i> , 1993, 22, 937-943.	3.9	37
834	Site-specific mutations in the D1 polypeptide affect the susceptibility of <i>Synechocystis</i> 6803 cells to photoinhibition. <i>Plant Molecular Biology</i> , 1993, 22, 1-12.	3.9	40
835	Identification of functioning regulatory sites and a new myosin binding site in the C-terminal 288 amino acids of caldesmon expressed from a human clone. <i>Journal of Muscle Research and Cell Motility</i> , 1993, 14, 385-391.	2.0	30
836	Characterization of a second nuclear gene, AEP1, required for expression of the mitochondrial OLI1 gene in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 1993, 24, 126-135.	1.7	36
837	Functional expression of bacterial $\beta$ -glucuronidase and its use as a reporter system in the yeast <i>Yarrowia lipolytica</i> . <i>Yeast</i> , 1993, 9, 71-75.	1.7	13
838	Reduced efficiency in the glycosylation of the first sequon of <i>Saccharomyces cerevisiae</i> exoglucanase leads to the synthesis and secretion of a new glycoform of the molecule. <i>Yeast</i> , 1993, 9, 221-234.	1.7	14
839	Preparation and characterization of the E168Q site-directed mutant of yeast enolase 1. <i>Proteins: Structure, Function and Bioinformatics</i> , 1993, 17, 426-434.	2.6	21
840	Pro to gly (p219g) in a silent glycosylation site results in complete glycosylation in tissue plasminogen activator. <i>Protein Science</i> , 1993, 2, 126-127.	7.6	7
841	Site-directed mutagenesis of <i>Klebsiella aerogenes</i> urease: Identification of histidine residues that appear to function in nickel ligation, substrate binding, and catalysis. <i>Protein Science</i> , 1993, 2, 1034-1041.	7.6	83
842	Use of proline mutants to help solve the NMR solution structure of type III antifreeze protein. <i>Protein Science</i> , 1993, 2, 1411-1428.	7.6	54
843	Expression and characterization of catalytic and regulatory domains of rat tyrosine hydroxylase. <i>Protein Science</i> , 1993, 2, 1452-1460.	7.6	74
844	Engineered plant phosphorylase showing extraordinarily high affinity for various $\alpha$ -glucan molecules. <i>Protein Science</i> , 1993, 2, 1621-1629.	7.6	13
845	Resolution of the fluorescence equilibrium unfolding profile of trp aporepressor using single tryptophan mutants. <i>Protein Science</i> , 1993, 2, 1844-1852.	7.6	191
846	Tryptophan replacements in the <i>trp</i> aporepressor from <i>Escherichia coli</i> : Probing the equilibrium and kinetic folding models. <i>Protein Science</i> , 1993, 2, 1853-1861.	7.6	44
847	The role of an active-site lysyl residue of spinach phosphoribulokinase as explored by site-directed mutagenesis. <i>The Protein Journal</i> , 1993, 12, 207-213.	1.1	1



#	ARTICLE	IF	CITATIONS
848	Characterization of two fluorescent tryptophans in recombinant human granulocyte-colony stimulating factor: Comparison of native sequence protein and tryptophan-deficient mutants. The Protein Journal, 1993, 12, 229-236.	1.1	21
849	The Effect of Folding Catalysts on the In Vivo Folding Process of Different Antibody Fragments Expressed in Escherichia coli. Nature Biotechnology, 1993, 11, 77-83.	17.5	89
850	Activation of complement by an IgG molecule without a genetic hinge. Nature, 1993, 363, 628-630.	27.8	39
851	Functional dissection of TFIIB domains required for TFIIB-TFIID promoter complex formation and basal transcription activity. Nature, 1993, 363, 744-747.	27.8	85
852	Regulation of NMDA receptor phosphorylation by alternative splicing of the C-terminal domain. Nature, 1993, 364, 70-73.	27.8	420
853	The role of turns in the structure of an $\alpha$ -helical protein. Nature, 1993, 364, 355-358.	27.8	111
854	The DNA replication fork can pass RNA polymerase without displacing the nascent transcript. Nature, 1993, 366, 33-39.	27.8	111
855	Expression in mammalian cells of the Escherichia coli O6 alkylguanine-DNA-alkyltransferase gene ogt reduces the toxicity of alkylnitrosoureas. British Journal of Cancer, 1993, 67, 1196-1202.	6.4	19
856	Two distinct ATP-binding domains are needed to promote protein export by Escherichia coli SecA ATPase. Molecular Microbiology, 1993, 10, 483-497.	2.5	214
857	Cloning and characterization of the psaE gene of the cyanobacterium Synechococcus sp. PCC 7002: characterization of a psaE mutant and overproduction of the protein in Escherichia coli. Molecular Microbiology, 1993, 9, 183-194.	2.5	95
858	Semliki Forest Virus Expression System: Production of Conditionally Infectious Recombinant Particles. Nature Biotechnology, 1993, 11, 916-920.	17.5	242
859	How amino-acid insertions are allowed in an $\alpha$ -helix of T4 lysozyme. Nature, 1993, 361, 561-564.	27.8	119
860	Phosphorylation and modulation of recombinant GluR6 glutamate receptors by cAMP-dependent protein kinase. Nature, 1993, 361, 637-641.	27.8	288
861	Use of evolutionary limitations of HIV-1 multidrug resistance to optimize therapy. Nature, 1993, 361, 650-654.	27.8	153
862	Alzheimer amyloid protein precursor complexes with brain GTP-binding protein Go. Nature, 1993, 362, 75-79.	27.8	415
863	Interactions of three domains distinguishing the Ras-related GTP-binding proteins Ypt1 and Sec4. Nature, 1993, 362, 560-563.	27.8	188
864	Specific transcriptional requirements for positive regulation of the anaerobically inducible pfl operon by ArcA and FNR. Molecular Microbiology, 1993, 10, 737-747.	2.5	71
865	Characterization of a virG mutation that confers constitutive virulence gene expression in Agrobacterium. Molecular Microbiology, 1993, 7, 555-562.	2.5	60

#	ARTICLE	IF	CITATIONS
866	The virA promoter is a host-range determinant in <i>Agrobacterium tumefaciens</i> . <i>Molecular Microbiology</i> , 1993, 7, 719-724.	2.5	24
867	Specific binding sites in the alcR and alcA promoters of the ethanol regulon for the CREA repressor mediating carbon catabolite repression in <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , 1993, 7, 847-857.	2.5	329
868	A C-terminal truncation results in high-level expression of the functional photoreceptor sensory rhodopsin I in the archaeon <i>Halobacterium salinarum</i> . <i>Molecular Microbiology</i> , 1993, 9, 943-953.	2.5	33
869	Charged amino-terminal amino acids affect the lethal capacity of Lambda lysis proteins S107 and S105. <i>Molecular Microbiology</i> , 1993, 8, 525-533.	2.5	41
870	Processing and methylation of PulG, a pilin-like component of the general secretory pathway of <i>Klebsiella oxytoca</i> . <i>Molecular Microbiology</i> , 1993, 9, 295-308.	2.5	97
871	Dual control by purines and pyrimidines of the expression of the pyrD gene of <i>Salmonella typhimurium</i> . <i>FEMS Microbiology Letters</i> , 1993, 111, 309-314.	1.8	3
872	Production of recombinant notechin 11'2L, an enzymatically active mutant of a phospholipase A2 from <i>Notechis scutatus scutatus</i> venom, as directly generated by cleavage of a fusion protein produced in <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1993, 212, 441-446.	0.2	18
873	Functional expression of d-glyceraldehyde-3-phosphate dehydrogenase from the hyperthermophilic eubacterium <i>Thermotoga maritima</i> in <i>Escherichia coli</i> . Authenticity and kinetic properties of the recombinant enzyme. <i>FEBS Journal</i> , 1993, 214, 43-50.	0.2	38
874	Single amino-acid replacement is responsible for the stabilization of ornithine decarboxylase in HMOA cells. <i>FEBS Journal</i> , 1993, 214, 837-844.	0.2	35
875	Yeast seryl-tRNA synthetase expressed in <i>Escherichia coli</i> recognizes bacterial serine-specific tRNAs in vivo. <i>FEBS Journal</i> , 1993, 214, 869-877.	0.2	27
876	Role of Tyr201 and Tyr385 in substrate activation by p-hydroxybenzoate hydroxylase from <i>Pseudomonas fluorescens</i> . <i>FEBS Journal</i> , 1993, 216, 137-146.	0.2	59
877	Expression of the laminin-A chain is down-regulated by a non-canonical polyadenylation signal. <i>FEBS Journal</i> , 1993, 216, 293-299.	0.2	11
878	Cloning, site-specific mutagenesis, expression and characterization of full-length chloroplast NADP-malate dehydrogenase from <i>Pisum sativum</i> . <i>FEBS Journal</i> , 1993, 217, 189-197.	0.2	28
879	Probing the role of metal ions in the mechanism of inositol monophosphatase by site-directed mutagenesis. <i>FEBS Journal</i> , 1993, 217, 281-287.	0.2	59
880	PIGMENT COMPLEXES OF LIGHT-HARVESTING CHLOROPHYLL a/b BINDING PROTEIN ARE STABILIZED BY A SEGMENT IN THE CARBOXYTERMINAL HYDROPHILIC DOMAIN OF THE PROTEIN. <i>Photochemistry and Photobiology</i> , 1993, 57, 139-142.	2.5	23
881	ROLE OF HYDROXYL-BEARING AMINO ACIDS IN DIFFERENTIALLY TUNING THE ABSORPTION SPECTRA OF THE HUMAN RED AND GREEN CONE PIGMENTS. <i>Photochemistry and Photobiology</i> , 1993, 58, 706-710.	2.5	141
882	Construction and characterization of a specialized ribosome system for the overproduction of proteins in <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 1993, 9, 345-354.	2.6	5
883	Construction of inducible secretion vectors and their application for the secretion of foreign extracellular and intracellular proteins in <i>Bacillus subtilis</i> . <i>Journal of Bioscience and Bioengineering</i> , 1993, 76, 1-6.	0.9	5

#	ARTICLE	IF	CITATIONS
884	Luciferase from the East European firefly <i>Luciola mingrelica</i> : Cloning and nucleotide sequence of the cDNA, overexpression in <i>Escherichia coli</i> and purification of the enzyme. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1993, 1173, 121-132.	2.4	97
885	The identification of a lysine residue reactive to pyridoxal-5-phosphate in the glycerol dehydrogenase from the thermophile <i>Bacillus stearothermophilus</i> . <i>BBA - Proteins and Proteomics</i> , 1993, 1202, 235-243.	2.1	5
886	Cloning and improving the expression of <i>Pichia stipitis</i> xylose reductase gene in <i>Saccharomyces cerevisiae</i> . <i>Applied Biochemistry and Biotechnology</i> , 1993, 39-40, 135-147.	2.9	19
887	Substitution of Gly-224 residue to ile in yeast alcohol dehydrogenase and enzyme reaction mechanism. <i>Archives of Pharmacal Research</i> , 1993, 16, 231-236.	6.3	1
888	Three distinct domains in the cholinesterase molecule confer selectivity for acetyl- and butyrylcholinesterase inhibitors. <i>Biochemistry</i> , 1993, 32, 12074-12084.	2.5	437
889	Amino acid residues controlling acetylcholinesterase and butyrylcholinesterase specificity. <i>Biochemistry</i> , 1993, 32, 12-17.	2.5	314
890	Modification of the amino acid specificity of tyrosyl-tRNA synthetase by protein engineering. <i>FEBS Letters</i> , 1993, 318, 167-171.	2.8	39
891	Bovine inositol monophosphatase. <i>FEBS Letters</i> , 1993, 321, 37-40.	2.8	6
892	Molecular cloning of a cDNA encoding calmodulin from <i>Neurospora crassa</i> . <i>FEBS Letters</i> , 1993, 321, 63-68.	2.8	11
893	Site-directed mutagenesis of the tick-borne encephalitis virus NS3 gene reveals the putative serine protease domain of the NS3 protein. <i>FEBS Letters</i> , 1993, 328, 115-118.	2.8	14
894	Interactions of the HIV-1 reverse transcriptase $\Delta$ ~AZT-resistant~ mutant with substrates and AZT-TP. <i>FEBS Letters</i> , 1993, 325, 237-241.	2.8	16
895	Identification of domains of a cloned rat brain GABA transporter which are not required for its functional expression. <i>FEBS Letters</i> , 1993, 318, 41-44.	2.8	45
896	Site-directed mutagenesis in hemoglobin. <i>FEBS Letters</i> , 1993, 324, 117-122.	2.8	11
897	Identification of the amino acid in the human immunodeficiency virus type 1 reverse transcriptase involved in the pyrophosphate binding of antiviral nucleoside triphosphate analogs and phosphonoformate. <i>Biochemical Pharmacology</i> , 1993, 46, 2307-2313.	4.4	16
898	Human IgG3 can adopt the disulfide bond pattern characteristic for IgG1 without resembling it in complement mediated cell lysis. <i>Molecular Immunology</i> , 1993, 30, 1419-1425.	2.2	9
899	Mutations in the putative lipid-interaction domain of complement C9 result in defective secretion of the functional protein. <i>Molecular Immunology</i> , 1993, 30, 95-100.	2.2	15
900	Functional analysis of the <i>cya</i> promoter of <i>Bordetella pertussis</i> . <i>Molecular Microbiology</i> , 1993, 7, 693-704.	2.5	14
901	Overproduction of <i>Anabaena</i> 7120 ribulose-bisphosphate carboxylase/oxygenase in <i>Escherichia coli</i> . <i>Gene</i> , 1993, 126, 85-92.	2.2	39

#	ARTICLE	IF	CITATIONS
902	Human snRNP polypeptide D1 promotes pre-mRNA splicing in yeast and defines nonessential yeast Smd1p sequences. <i>Nucleic Acids Research</i> , 1993, 21, 3501-3505.	14.5	28
903	Engineering of alkyl- and haloaromatic-responsive gene expression with mini-transposons containing regulated promoters of biodegradative pathways of <i>Pseudomonas</i> . <i>Gene</i> , 1993, 130, 41-46.	2.2	113
904	A random mutagenesis procedure: application to the POL3 gene of <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1993, 127, 139-144.	2.2	12
905	Functional effects of a G to U base change at position 530 in a highly conserved loop of <i>Escherichia coli</i> 16S RNA. <i>Biochemistry</i> , 1993, 32, 5539-5547.	2.5	28
906	Activity of Wnt-1 as a transmembrane protein.. <i>Genes and Development</i> , 1993, 7, 2181-2193.	5.9	49
907	Similarities and differences between yeast and vertebrate calmodulin: An examination of the calcium-binding and structural properties of calmodulin from the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 1993, 32, 3261-3270.	2.5	53
908	Amino acid residues in <i>Anabaena</i> ferredoxin crucial to interaction with ferredoxin-NADP+ reductase: Site-directed mutagenesis and laser flash photolysis. <i>Biochemistry</i> , 1993, 32, 9346-9354.	2.5	119
909	Assembly of fibronectin molecules with mutations or deletions of the carboxyl-terminal type I modules. <i>Biochemistry</i> , 1993, 32, 1641-1647.	2.5	32
910	Helix variants of troponin C with tailored calcium affinities. <i>Biochemistry</i> , 1993, 32, 9826-9831.	2.5	25
911	An independently folding domain of RNA tertiary structure within the <i>Tetrahymena</i> ribozyme. <i>Biochemistry</i> , 1993, 32, 5291-5300.	2.5	228
912	Tertiary interactions with the internal guide sequence mediate docking of the P1 helix into the catalytic core of the <i>Tetrahymena</i> ribozyme. <i>Biochemistry</i> , 1993, 32, 13593-13604.	2.5	128
913	Metallothionein detoxification function is impaired by replacement of both conserved lysines with glutamines in the hinge between the two domains. <i>Biochemistry</i> , 1993, 32, 5127-5131.	2.5	25
914	Truncation of the D2 protein in <i>Synechocystis</i> sp. PCC 6803: A role of the C-terminal domain of D2 in photosystem II function and stability. <i>Biochemistry</i> , 1993, 32, 11419-11427.	2.5	14
915	Transmission of conformational change from the heparin binding site to the reactive center of antithrombin. <i>Biochemistry</i> , 1993, 32, 8385-8389.	2.5	75
916	Engineering the zinc binding site of human carbonic anhydrase II: Structure of the His-94.fwdarw.Cys apoenzyme in a new crystalline form. <i>Biochemistry</i> , 1993, 32, 1510-1518.	2.5	72
917	Urea-induced unfolding of the .alpha. subunit of tryptophan synthase: One-dimensional proton NMR evidence for residual structure near histidine-92 at high denaturant concentration. <i>Biochemistry</i> , 1993, 32, 13981-13990.	2.5	49
918	Three histidine residues in the active center of cyclodextrin glucanotransferase from alkalophilic <i>Bacillus</i> sp. 1011: effects of the replacement on pH dependence and transition-state stabilization. <i>Biochemistry</i> , 1993, 32, 6624-6631.	2.5	102
919	p-Aminobenzoate synthesis in <i>Escherichia coli</i> : Mutational analysis of three conserved amino acid residues of the amidotransferase PabA. <i>Biochemistry</i> , 1993, 32, 3763-3768.	2.5	24

#	ARTICLE	IF	CITATIONS
920	Effects of amino acid substitutions on the pressure denaturation of staphylococcal nuclease as monitored by fluorescence and nuclear magnetic resonance spectroscopy. <i>Biochemistry</i> , 1993, 32, 5222-5232.	2.5	141
921	Differential roles for three conserved histidine residues within the large subunit of carbamoyl phosphate synthetase. <i>Biochemistry</i> , 1993, 32, 232-240.	2.5	31
922	Energetic cost and structural consequences of burying a hydroxyl group within the core of a protein determined from Ala → Ser and Val → Thr substitutions in T4 lysozyme. <i>Biochemistry</i> , 1993, 32, 11363-11373.	2.5	101
923	Use of binding energy in catalysis: Optimization of rate in a multistep reaction. <i>Biochemistry</i> , 1993, 32, 5321-5326.	2.5	41
924	Structural basis of amino acid alpha helix propensity. <i>Science</i> , 1993, 260, 1637-1640.	12.6	482
925	Self-splicing of the group I intron from <i>Anabaena</i> pre-tRNA: Requirement for base-pairing of the exons in the anticodon stem. <i>Biochemistry</i> , 1993, 32, 7946-7953.	2.5	54
926	Inhibitor binding to the Phe53Trp mutant of HIV-1 protease promotes conformational changes detectable by spectrofluorometry. <i>Biochemistry</i> , 1993, 32, 3557-3563.	2.5	42
927	Construction of a vector for site-specific frameshift mutagenesis containing the mutable hotspot of <i>Salmonella typhimurium</i> TA98 on an M13 bacteriophage. <i>Chemical Research in Toxicology</i> , 1993, 6, 317-327.	3.3	12
928	The conserved residues glutamate-37, aspartate-100, and arginine-269, are important for the structural stabilization of <i>Escherichia coli</i> aspartate transcarbamoylase. <i>Biochemistry</i> , 1993, 32, 10150-10158.	2.5	35
929	Exploring the interface between the N- and C-terminal helices of cytochrome c by random mutagenesis within the C-terminal helix. <i>Biochemistry</i> , 1993, 32, 929-936.	2.5	41
930	Spectroscopic evidence from site-directed mutants of <i>Synechocystis</i> PCC6803 in favor of a close interaction between histidine 189 and redox-active tyrosine 160, both of polypeptide D2 of the photosystem II reaction center. <i>Biochemistry</i> , 1993, 32, 13742-13748.	2.5	122
931	<i>Buchnera aphidicola</i> (a prokaryotic endosymbiont of aphids) contains a putative 16S rRNA operon unlinked to the 23S rRNA-encoding gene: sequence determination, and promoter and terminator analysis. <i>Gene</i> , 1993, 137, 171-178.	2.2	47
932	The first zinc-binding domain of UvrA is not essential for UvrABC-mediated DNA excision repair. <i>Mutation Research DNA Repair</i> , 1993, 294, 263-274.	3.7	23
933	Protein farnesyltransferase: production in <i>Escherichia coli</i> and immunoaffinity purification of the heterodimer from <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1993, 132, 41-47.	2.2	48
934	Regulated cleavage of Alzheimer's amyloid precursor protein in the absence of the cytoplasmic tail. <i>Neuroscience</i> , 1993, 57, 873-877.	2.3	79
935	A small segment of the MAT alpha 1 transcript promotes mRNA decay in <i>Saccharomyces cerevisiae</i> : a stimulatory role for rare codons. <i>Molecular and Cellular Biology</i> , 1993, 13, 5141-5148.	2.3	177
936	Controlled high-level expression of the lon gene of <i>Escherichia coli</i> allows overproduction of Lon protease. <i>Gene</i> , 1993, 136, 237-242.	2.2	11
937	Mapping the promoter for subgenomic RNA synthesis on beet necrotic yellow vein virus RNA 3. <i>Biochimie</i> , 1993, 75, 517-521.	2.6	44

#	ARTICLE	IF	CITATIONS
938	Efficient pathogen-derived resistance induced by integrated potato virus Y coat protein gene in tobacco. <i>Biochimie</i> , 1993, 75, 623-629.	2.6	19
939	Functional reconstitution of U6 snRNA in nematode cis- and trans-splicing: U6 can serve as both a branch acceptor and a 5' exon. <i>Cell</i> , 1993, 75, 1049-1059.	28.9	55
940	A multisubunit complex associated with the RNA polymerase II CTD and TATA-binding protein in yeast. <i>Cell</i> , 1993, 73, 1361-1375.	28.9	457
941	A mechanism to enhance mRNA splicing fidelity: The RNA-dependent ATPase Prp16 governs usage of a discard pathway for aberrant lariat intermediates. <i>Cell</i> , 1993, 73, 1377-1391.	28.9	180
942	A novel domain within the 55 kd TNF receptor signals cell death. <i>Cell</i> , 1993, 74, 845-853.	28.9	1,241
943	The <i>C. elegans</i> heterochronic gene <i>lin-4</i> encodes small RNAs with antisense complementarity to <i>lin-14</i> . <i>Cell</i> , 1993, 75, 843-854.	28.9	11,149
944	The zinc finger gene <i>Krox20</i> regulates <i>HoxB2</i> ( <i>Hox2.8</i> ) during hindbrain segmentation. <i>Cell</i> , 1993, 72, 183-196.	28.9	303
945	Double-strand breaks in plasmid DNA and the induction of deletions. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1993, 299, 233-250.	1.2	15
946	In vivo evidence that UV-induced <i>C. f.wdarw.</i> T mutations at dipyrimidine sites could result from the replicative bypass of cis-syn cyclobutane dimers or their deamination products. <i>Biochemistry</i> , 1993, 32, 472-481.	2.5	141
947	Lentivirus envelope sequences and pro viral genomes are stabilized in <i>Escherichia coli</i> when cloned in low-copy-number plasmid vectors. <i>Gene</i> , 1993, 124, 93-98.	2.2	52
948	Homologous bacterio-opsin-encoding gene expression via site-specific vector integration. <i>Gene</i> , 1993, 125, 41-47.	2.2	46
949	P- and E-selectin use common sites for carbohydrate ligand recognition and cell adhesion.. <i>Journal of Cell Biology</i> , 1993, 120, 1227-1235.	5.2	163
950	Membrane protein retention in the yeast Golgi apparatus: dipeptidyl aminopeptidase A is retained by a cytoplasmic signal containing aromatic residues.. <i>Journal of Cell Biology</i> , 1993, 121, 1197-1209.	5.2	144
951	GPI- and transmembrane-anchored influenza hemagglutinin differ in structure and receptor binding activity. <i>Journal of Cell Biology</i> , 1993, 122, 1253-1265.	5.2	97
952	Alanine scanning mutagenesis of a plant virus movement protein identifies three functional domains.. <i>Plant Cell</i> , 1993, 5, 973-982.	6.6	93
953	A spacer protein in the <i>Saccharomyces cerevisiae</i> spindle pole body whose transcript is cell cycle-regulated.. <i>Journal of Cell Biology</i> , 1993, 123, 1175-1184.	5.2	168
954	Integration of multiple developmental signals in <i>Bacillus subtilis</i> through the Spo0A transcription factor.. <i>Genes and Development</i> , 1993, 7, 283-294.	5.9	249
955	Roles of Ser101, Asp236, and His237 in catalysis of thioesterase II and of the C-terminal region of the enzyme in its interaction with fatty acid synthase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 1852-1856.	7.1	47



#	ARTICLE	IF	CITATIONS
956	Signal sequence region of mitochondrial precursor proteins binds to mitochondrial import receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 3358-3362.	7.1	32
957	A Novel Monoclonal Antibody Dependent on Domain 5 of the Platelet-Derived Growth Factor Beta Receptor Inhibits Ligand Binding and Receptor Activation. Growth Factors, 1993, 8, 253-265.	1.7	10
958	Expression of the tetK gene from Staphylococcus aureus in Escherichia coli: comparison of substrate specificities of TetA(B), TetA(C), and TetK efflux proteins. Antimicrobial Agents and Chemotherapy, 1993, 37, 191-198.	3.2	38
959	A role in DNA binding for the linker sequences of the first three zinc fingers of TFIIIA. Nucleic Acids Research, 1993, 21, 3341-3346.	14.5	109
960	Editing does not exist for mammalian selenocysteine tRNAs. Nucleic Acids Research, 1993, 21, 5583-5588.	14.5	36
961	Compilation of DNA sequences of Escherichia coli (update 1993). Nucleic Acids Research, 1993, 21, 2973-3000.	14.5	60
962	Direct genetic selection for a specific RNA-protein interaction. Nucleic Acids Research, 1993, 21, 5754-5760.	14.5	26
963	NUP2, a novel yeast nucleoporin, has functional overlap with other proteins of the nuclear pore complex.. Molecular Biology of the Cell, 1993, 4, 209-222.	2.1	120
964	The multiplication in plants of arabis mosaic virus satellite RNA requires the encoded protein. Journal of General Virology, 1993, 74, 1471-1474.	2.9	16
965	Member of the CREB/ATF protein family, but not CREB $\pm$ plays an active role in BLVtax transactivation in vivo. Nucleic Acids Research, 1993, 21, 3677-3682.	14.5	14
966	I-SceII an intron-encoded DNA endonuclease from yeast mitochondria. Asymmetrical DNA binding properties and cleavage reaction. Nucleic Acids Research, 1993, 21, 3683-3689.	14.5	24
967	Structure-function analysis of the ion channel selectivity filter in human annexin V. Science, 1993, 262, 427-430.	12.6	112
968	Transcription factor TFIIIB sites important for interaction with promoter-bound TFIID. Science, 1993, 261, 463-466.	12.6	52
969	Multiple regulatory elements contribute differentially to muscle creatine kinase enhancer activity in skeletal and cardiac muscle.. Molecular and Cellular Biology, 1993, 13, 2753-2764.	2.3	140
970	Origin recognition complex (ORC) in transcriptional silencing and DNA replication in S. cerevisiae. Science, 1993, 262, 1838-1844.	12.6	327
971	The lung-specific CC10 gene is regulated by transcription factors from the AP-1, octamer, and hepatocyte nuclear factor 3 families.. Molecular and Cellular Biology, 1993, 13, 3860-3871.	2.3	128
972	Localization of a single-stranded RNA-binding domain in the movement protein of red clover necrotic mosaic dianthovirus. Journal of General Virology, 1993, 74, 2453-2457.	2.9	25
973	Site-Directed Mutagenesis of a Potyvirus Coat Protein and its Assembly in Escherichia Coli. Journal of General Virology, 1993, 74, 893-896.	2.9	59

#	ARTICLE	IF	CITATIONS
974	Construction of Mutant Lectin Genes by Oligonucleotide-Directed Mutagenesis and Their Expression in <i>Escherichia coli</i> . , 1993, , 482-491.		2
975	Retention of a cis Golgi protein requires polar residues on one face of a predicted alpha-helix in the transmembrane domain.. <i>Molecular Biology of the Cell</i> , 1993, 4, 695-704.	2.1	78
976	A phylogenetically conserved sequence within viral 3' untranslated RNA pseudoknots regulates translation.. <i>Molecular and Cellular Biology</i> , 1993, 13, 5331-5347.	2.3	157
977	The costimulatory activity of the CD26 antigen requires dipeptidyl peptidase IV enzymatic activity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 4586-4590.	7.1	170
978	Regulation of pathogenesis-related protein-1a gene expression in tobacco.. <i>Plant Cell</i> , 1993, 5, 159-169.	6.6	195
979	A circular trans-acting hepatitis delta virus ribozyme. <i>Nucleic Acids Research</i> , 1993, 21, 4253-4258.	14.5	69
980	The N- and C-terminal regions regulate the transport of wheat gamma-gliadin through the endoplasmic reticulum in <i>Xenopus oocytes</i> .. <i>Plant Cell</i> , 1993, 5, 443-450.	6.6	42
981	Critical hydrogen bonding by serine 235 for cephalosporinase activity of TEM-1 beta-lactamase.. <i>Antimicrobial Agents and Chemotherapy</i> , 1993, 37, 2438-2442.	3.2	34
982	Nuclear Targeting of the Maize R Protein Requires Two Nuclear Localization Sequences. <i>Plant Physiology</i> , 1993, 101, 353-361.	4.8	101
983	Interaction of <i>Escherichia coli</i> ribosomal protein S7 with 16S rRNA. <i>Nucleic Acids Research</i> , 1993, 21, 1199-1203.	14.5	47
984	Phosphorylation-site mutagenesis of the growth-associated protein GAP-43 modulates its effects on cell spreading and morphology.. <i>Journal of Cell Biology</i> , 1993, 120, 503-512.	5.2	102
985	Cleavage of K-FGF produces a truncated molecule with increased biological activity and receptor binding affinity.. <i>Journal of Cell Biology</i> , 1993, 121, 705-713.	5.2	23
986	Substitution of the 3' terminal adenosine residue of transfer RNA in vivo.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 4350-4353.	7.1	27
987	Spatial and temporal phosphorylation of a transcriptional activator regulates pole-specific gene expression in <i>Caulobacter</i> .. <i>Genes and Development</i> , 1993, 7, 1979-1992.	5.9	88
988	The human GRB2 and <i>Drosophila</i> Drk genes can functionally replace the <i>Caenorhabditis elegans</i> cell signaling gene sem-5.. <i>Molecular Biology of the Cell</i> , 1993, 4, 1175-1188.	2.1	60
989	Sequences within the last intron function in RNA 3'-end formation in cultured cells.. <i>Molecular and Cellular Biology</i> , 1993, 13, 3359-3369.	2.3	86
990	Tobamovirus helper specificity of satellite tobacco mosaic virus involves a domain near the 5' end of the satellite genome. <i>Journal of General Virology</i> , 1993, 74, 1233-1243.	2.9	8
991	The carboxy-terminal tail of the homeo domain protein alpha 2 is required for function with a second homeo domain protein.. <i>Genes and Development</i> , 1993, 7, 1862-1870.	5.9	68

#	ARTICLE	IF	CITATIONS
992	180-kD ribosome receptor is essential for both ribosome binding and protein translocation.. Journal of Cell Biology, 1993, 120, 853-863.	5.2	73
993	Hydrophobic coiled-coil domains regulate the subcellular localization of human heat shock factor 2.. Genes and Development, 1993, 7, 1549-1558.	5.9	86
994	Conversion of truncated and elongated prion proteins into the scrapie isoform in cultured cells.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 3182-3186.	7.1	171
995	Assessment of disparate structural features in three models of the hepatitis delta virus ribozyme. Nucleic Acids Research, 1993, 21, 3959-3965.	14.5	44
996	Association with terminal exons in pre-mRNAs: a new role for the U1 snRNP?. Genes and Development, 1993, 7, 647-659.	5.9	111
997	Functional and evolutionary implications of a survey of various actinomycetes for homologues of two Streptomyces coelicolor sporulation genes. Journal of General Microbiology, 1993, 139, 2569-2578.	2.3	28
998	T cell receptor interaction with peptide/major histocompatibility complex (MHC) and superantigen/MHC ligands is dominated by antigen.. Journal of Experimental Medicine, 1993, 178, 713-722.	8.5	89
999	Functional redundancy of octamer elements in the mouse mammary tumor virus promoter. Nucleic Acids Research, 1993, 21, 5235-5241.	14.5	14
1000	Efficient production of human gamma interferon in tobacco protoplasts by genetically engineered brome mosaic virus RNAs. Journal of General Virology, 1993, 74, 1255-1260.	2.9	28
1001	Architecture of a yeast U6 RNA gene promoter.. Molecular and Cellular Biology, 1993, 13, 3015-3026.	2.3	95
1002	Identification of a poxvirus gene encoding a uracil DNA glycosylase.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 4518-4522.	7.1	80
1003	Oxygen regulation of nifA transcription in vitro.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 3506-3510.	7.1	71
1004	Functional replacement of the hemolysin A transport signal by a different primary sequence.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 4211-4215.	7.1	34
1005	Heat induction of $\beta$ 2 synthesis mediated by mRNA secondary structure: a primary step of the heat shock response in Escherichia coli. Nucleic Acids Research, 1993, 21, 5449-5455.	14.5	68
1006	Analysis of protective immune responses to the glycoprotein H-glycoprotein L complex of herpes simplex virus type 1. Journal of General Virology, 1993, 74, 2813-2817.	2.9	26
1007	Oligomerization of a membrane protein correlates with its retention in the Golgi complex. Journal of Cell Biology, 1993, 122, 1185-1196.	5.2	158
1008	Drosophila 230-kD TFIID subunit, a functional homolog of the human cell cycle gene product, negatively regulates DNA binding of the TATA box-binding subunit of TFIID.. Genes and Development, 1993, 7, 1033-1046.	5.9	98
1009	Functional dissection of the CD21/CD19/TAPA-1/Leu-13 complex of B lymphocytes.. Journal of Experimental Medicine, 1993, 178, 1407-1417.	8.5	226

#	ARTICLE	IF	CITATIONS
1010	Metalloregulation in <i>Bacillus subtilis</i> : isolation and characterization of two genes differentially repressed by metal ions. <i>Journal of Bacteriology</i> , 1993, 175, 5428-5437.	2.2	125
1011	Insertion and deletion mutations in the repA4 region of the IncFII plasmid NR1 cause unstable inheritance. <i>Journal of Bacteriology</i> , 1993, 175, 5350-5358.	2.2	12
1012	Nucleotide sequence of the <i>Serratia marcescens</i> threonine operon and analysis of the threonine operon mutations which alter feedback inhibition of both aspartokinase I and homoserine dehydrogenase I. <i>Journal of Bacteriology</i> , 1993, 175, 785-794.	2.2	32
1013	A periplasmic intermediate in the extracellular secretion pathway of <i>Pseudomonas aeruginosa</i> exotoxin A. <i>Journal of Bacteriology</i> , 1993, 175, 7463-7467.	2.2	21
1014	A cytotoxic early gene of <i>Bacillus subtilis</i> bacteriophage SPO1. <i>Journal of Bacteriology</i> , 1993, 175, 7887-7900.	2.2	25
1015	CbbR, a LysR-type transcriptional activator, is required for expression of the autotrophic CO <sub>2</sub> fixation enzymes of <i>Xanthobacter flavus</i> . <i>Journal of Bacteriology</i> , 1993, 175, 6097-6104.	2.2	57
1016	Noninducible Tet repressor mutations map from the operator binding motif to the C terminus. <i>Journal of Bacteriology</i> , 1993, 175, 1206-1210.	2.2	57
1017	Stress-induced activation of the sigma B transcription factor of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1993, 175, 7931-7937.	2.2	241
1018	A 30-kDa alternative translation product of the CCAAT/enhancer binding protein alpha message: transcriptional activator lacking antimetabolic activity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 9606-9610.	7.1	287
1019	Demonstration by electrospray mass spectrometry that the peptidyl dipeptidase activity of cathepsin B is capable of rat cathepsin B C-terminal processing. <i>Biochemical Journal</i> , 1993, 294, 923-927.	3.7	26
1020	Site-directed removal of N-glycosylation sites in the bovine cation-dependent mannose 6-phosphate receptor: effects on ligand binding, intracellular targeting and association with binding immunoglobulin protein. <i>Biochemical Journal</i> , 1993, 295, 841-848.	3.7	29
1021	Mammalian inositol monophosphatase: the identification of residues important for the binding of Mg <sup>2+</sup> and Li <sup>+</sup> ions using fluorescence spectroscopy and site-directed mutagenesis. <i>Biochemical Journal</i> , 1993, 296, 811-815.	3.7	20
1022	Synthesis of staphylococcal virulence factors is controlled by a regulatory RNA molecule.. <i>EMBO Journal</i> , 1993, 12, 3967-3975.	7.8	898
1023	Mutational analysis of the human KDEL receptor: distinct structural requirements for Golgi retention, ligand binding and retrograde transport.. <i>EMBO Journal</i> , 1993, 12, 2821-2829.	7.8	129
1024	Reversion of autocrine transformation by a dominant negative platelet-derived growth factor mutant.. <i>Molecular and Cellular Biology</i> , 1993, 13, 4066-4076.	2.3	52
1025	Yeast ribosomal protein L1 is required for the stability of newly synthesized 5S rRNA and the assembly of 60S ribosomal subunits.. <i>Molecular and Cellular Biology</i> , 1993, 13, 2835-2845.	2.3	143
1026	pol mutations conferring zidovudine and didanosine resistance with different effects in vitro yield multiply resistant human immunodeficiency virus type 1 isolates in vivo. <i>Antimicrobial Agents and Chemotherapy</i> , 1993, 37, 1480-1487.	3.2	64
1027	Discrimination among potential activators of the beta-globin CACCC element by correlation of binding and transcriptional properties.. <i>Molecular and Cellular Biology</i> , 1993, 13, 44-56.	2.3	89

#	ARTICLE	IF	CITATIONS
1028	Transcriptional activation by the adenovirus larger E1a product is mediated by members of the cellular transcription factor ATF family which can directly associate with E1a.. Molecular and Cellular Biology, 1993, 13, 561-570.	2.3	109
1029	The essential mitotic target of calmodulin is the 110-kilodalton component of the spindle pole body in <i>Saccharomyces cerevisiae</i> .. Molecular and Cellular Biology, 1993, 13, 7913-7924.	2.3	149
1030	Proto-oncogene FosB: the amino terminus encodes a regulatory function required for transformation.. Molecular and Cellular Biology, 1993, 13, 2635-2643.	2.3	33
1032	Restoration of correct splicing in thalassemic pre-mRNA by antisense oligonucleotides.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 8673-8677.	7.1	388
1033	HMT, encoded by H-2M3, is a neoclassical major histocompatibility class I antigen.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2784-2788.	7.1	24
1034	Mutational analysis of the helper component-proteinase gene of a potyvirus: effects of amino acid substitutions, deletions, and gene replacement on virulence and aphid transmissibility.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 11919-11923.	7.1	178
1035	Transcription of alpha-specific genes in <i>Saccharomyces cerevisiae</i> : DNA sequence requirements for activity of the coregulator alpha 1.. Molecular and Cellular Biology, 1993, 13, 6866-6875.	2.3	31
1036	COUP-TF acts as a competitive repressor for estrogen receptor-mediated activation of the mouse lactoferrin gene.. Molecular and Cellular Biology, 1993, 13, 1836-1846.	2.3	114
1037	(CT) <sub>n</sub> (GA) <sub>n</sub> repeats and heat shock elements have distinct roles in chromatin structure and transcriptional activation of the <i>Drosophila</i> hsp26 gene.. Molecular and Cellular Biology, 1993, 13, 2802-2814.	2.3	259
1038	The <i>Drosophila</i> 110-kDa transcription factor TFIID subunit directly interacts with the N-terminal region of the 230-kDa subunit.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 5896-5900.	7.1	29
1039	Construction and characterization of a bacteriophage T4 DNA polymerase deficient in 3'→5' exonuclease activity.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2579-2583.	7.1	127
1040	Species-specific signals for the splicing of a short <i>Drosophila</i> intron in vitro.. Molecular and Cellular Biology, 1993, 13, 1104-1118.	2.3	50
1041	An alternative helix in the 26S rRNA promotes excision and integration of the <i>Tetrahymena</i> intervening sequence.. Molecular and Cellular Biology, 1993, 13, 1137-1145.	2.3	37
1042	Nonsense codons can reduce the abundance of nuclear mRNA without affecting the abundance of pre-mRNA or the half-life of cytoplasmic mRNA.. Molecular and Cellular Biology, 1993, 13, 1892-1902.	2.3	195
1043	Suppression of a defect in the 5' untranslated leader of mitochondrial COX3 mRNA by a mutation affecting an mRNA-specific translational activator protein.. Molecular and Cellular Biology, 1993, 13, 4806-4813.	2.3	60
1044	Molecular cloning, expression, and characterization of the <i>Drosophila</i> 85-kilodalton TFIID subunit.. Molecular and Cellular Biology, 1993, 13, 7859-7863.	2.3	39
1045	Interactions between three common subunits of yeast RNA polymerases I and III.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 5524-5528.	7.1	118
1046	Functional domains of transcription factor TFIIB.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 5633-5637.	7.1	133

#	ARTICLE	IF	CITATIONS
1047	Site-specific and compensatory mutations imply unexpected pathways for proton delivery to the QB binding site of the photosynthetic reaction center.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 8929-8933.	7.1	70
1048	Recognition of specific DNA sequences by the c-myc protooncogene product: role of three repeat units in the DNA-binding domain.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 9320-9324.	7.1	145
1049	ADH2 expression is repressed by REG1 independently of mutations that alter the phosphorylation of the yeast transcription factor ADR1.. Molecular and Cellular Biology, 1993, 13, 4391-4399.	2.3	48
1050	Oxytricha telomere-binding protein: DNA-dependent dimerization of the alpha and beta subunits.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 6056-6060.	7.1	66
1051	Role of dimerization in yeast aspartyl-tRNA synthetase and importance of the class II invariant proline.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 10816-10820.	7.1	63
1052	Identification of amino acids essential for DNA binding and dimerization in p67SRF: implications for a novel DNA-binding motif.. Molecular and Cellular Biology, 1993, 13, 123-132.	2.3	65
1053	Transformation by Fos proteins requires a C-terminal transactivation domain.. Molecular and Cellular Biology, 1993, 13, 7429-7438.	2.3	81
1054	Signals that produce 3' termini in CYC1 mRNA of the yeast Saccharomyces cerevisiae.. Molecular and Cellular Biology, 1993, 13, 7836-7849.	2.3	63
1055	Phosphorylation of the TAL1 oncoprotein by the extracellular-signal-regulated protein kinase ERK1.. Molecular and Cellular Biology, 1993, 13, 801-808.	2.3	82
1056	A dosage-dependent suppressor of a temperature-sensitive calmodulin mutant encodes a protein related to the fork head family of DNA-binding proteins.. Molecular and Cellular Biology, 1993, 13, 1779-1787.	2.3	61
1057	Identification and characterization of a beta-globin promoter-binding factor from murine erythroleukemia cells.. Molecular and Cellular Biology, 1993, 13, 4311-4322.	2.3	16
1058	A yeast mitogen-activated protein kinase homolog (Mpk1p) mediates signalling by protein kinase C.. Molecular and Cellular Biology, 1993, 13, 3067-3075.	2.3	385
1059	Cloning of the DNA Polymerase Gene of Bacillus caldotenax and Characterization of the Gene Product1. Journal of Biochemistry, 1993, 113, 401-410.	1.7	49
1060	Identification of a retinoic acid response element upstream of the murine Hox-4.2 gene.. Molecular and Cellular Biology, 1993, 13, 257-265.	2.3	140
1061	Kringle glycosylation in a modified human tissue plasminogen activator improves functional properties. Blood, 1993, 81, 1312-1322.	1.4	21
1062	Roles of the GcvA and PurR proteins in negative regulation of the Escherichia coli glycine cleavage enzyme system. Journal of Bacteriology, 1993, 175, 5129-5134.	2.2	57
1063	The SH2/SH3 domain-containing protein GRB2 interacts with tyrosine-phosphorylated IRS1 and Shc: implications for insulin control of ras signalling.. EMBO Journal, 1993, 12, 1929-1936.	7.8	639
1064	The low abundance of U7 snRNA is partly determined by its Sm binding site.. EMBO Journal, 1993, 12, 1229-1238.	7.8	85



#	ARTICLE	IF	CITATIONS
1065	Origin recognition specificity in pT181 plasmids is determined by a functionally asymmetric palindromic DNA element.. EMBO Journal, 1993, 12, 45-52.	7.8	47
1066	The C-terminal helix in subdomain 4 of the regulatory light chain is essential for myosin regulation.. EMBO Journal, 1993, 12, 4877-4884.	7.8	18
1067	Mutational and functional analysis of dominant SPT2 (SIN1) suppressor alleles in Saccharomyces cerevisiae.. Molecular and Cellular Biology, 1993, 13, 5393-5407.	2.3	21
1068	Mutations in the consensus ATP-binding sites of XcpR and PilB eliminate extracellular protein secretion and pilus biogenesis in Pseudomonas aeruginosa. Journal of Bacteriology, 1993, 175, 4962-4969.	2.2	137
1069	An efficient approach to identify ilvA mutations reveals an amino-terminal catalytic domain in biosynthetic threonine deaminase from Escherichia coli. Journal of Bacteriology, 1993, 175, 6605-6613.	2.2	20
1070	The active form of the KorB protein encoded by the Streptomyces plasmid pIJ101 is a processed product that binds differentially to the two promoters it regulates. Journal of Bacteriology, 1993, 175, 6996-7005.	2.2	16
1071	Determinants of the quantity of the stable SecY complex in the Escherichia coli cell. Journal of Bacteriology, 1993, 175, 7771-7775.	2.2	88
1072	Expression and purification of the cynR regulatory gene product: CynR is a DNA-binding protein. Journal of Bacteriology, 1993, 175, 7990-7999.	2.2	6
1073	Combinatorial mutagenesis of the lamB gene: residues 41 through 43, which are conserved in Escherichia coli outer membrane proteins, are informationally important in maltoporin structure and function. Journal of Bacteriology, 1993, 175, 858-865.	2.2	6
1074	A gene cluster involved in aerial mycelium formation in Streptomyces griseus encodes proteins similar to the response regulators of two-component regulatory systems and membrane translocators. Journal of Bacteriology, 1993, 175, 2006-2016.	2.2	70
1075	A sigma 54 promoter and downstream sequence elements ftr2 and ftr3 are required for regulated expression of divergent transcription units flaN and flbG in Caulobacter crescentus. Journal of Bacteriology, 1993, 175, 2067-2076.	2.2	45
1076	The carboxy-terminal portion of the CheA kinase mediates regulation of autophosphorylation by transducer and CheW. Journal of Bacteriology, 1993, 175, 2097-2101.	2.2	78
1077	An ATP transporter is required for protein translocation into the yeast endoplasmic reticulum.. EMBO Journal, 1993, 12, 659-666.	7.8	61
1078	Charged amino acids required for signal transduction by the m3 muscarinic acetylcholine receptor.. EMBO Journal, 1993, 12, 3809-3815.	7.8	59
1079	A critical role for heat shock transcription factor in establishing a nucleosome-free region over the TATA-initiation site of the yeast HSP82 heat shock gene.. EMBO Journal, 1993, 12, 3931-3945.	7.8	80
1080	Mutational analysis of the bacteriophage P2 Ogr protein: truncation of the carboxy terminus. Journal of Bacteriology, 1993, 175, 7724-7726.	2.2	5
1081	Characterization of the Escherichia coli F factor traY gene product and its binding sites. Journal of Bacteriology, 1993, 175, 2221-2228.	2.2	42
1082	cDNA cloning of MAP kinase kinase reveals kinase cascade pathways in yeasts to vertebrates.. EMBO Journal, 1993, 12, 787-794.	7.8	173

#	ARTICLE	IF	CITATIONS
1083	A switch in translation mediated by an antisense RNA.. Genes and Development, 1993, 7, 1498-1507.	5.9	19
1084	Cleavage, methylation, and localization of the <i>Pseudomonas aeruginosa</i> export proteins XcpT, -U, -V, and -W. Journal of Bacteriology, 1993, 175, 4375-4382.	2.2	129
1085	Superinfection exclusion (sieB) genes of bacteriophages P22 and lambda. Journal of Bacteriology, 1993, 175, 4712-4718.	2.2	39
1086	Integration host factor is required for anaerobic pyruvate induction of pfl operon expression in <i>Escherichia coli</i> . Journal of Bacteriology, 1993, 175, 5769-5777.	2.2	35
1087	Molecular cloning and nucleotide sequence of a putative trpDC(F)BA operon in <i>Buchnera aphidicola</i> (endosymbiont of the aphid <i>Schizaphis graminum</i> ). Journal of Bacteriology, 1993, 175, 6426-6432.	2.2	47
1088	Identification of a complex operator for galP1, the glucose-sensitive, galactose-dependent promoter of the <i>Streptomyces galactose</i> operon. Journal of Bacteriology, 1993, 175, 1213-1220.	2.2	31
1089	Double helicase II (uvrD)-helicase IV (helD) deletion mutants are defective in the recombination pathways of <i>Escherichia coli</i> . Journal of Bacteriology, 1993, 175, 4641-4651.	2.2	68
1090	Identification of the promoter and a negative regulatory element, ftr4, that is needed for cell cycle timing of fliF operon expression in <i>Caulobacter crescentus</i> . Journal of Bacteriology, 1993, 175, 367-376.	2.2	39
1091	Unwanted mutations in PCR mutagenesis: avoiding the predictable.. Genome Research, 1993, 2, 253-257.	5.5	19
1092	Elements controlling follicular expression of the s36 chorion gene during <i>Drosophila</i> oogenesis.. Molecular and Cellular Biology, 1993, 13, 5898-5906.	2.3	15
1093	The asiA gene of bacteriophage T4 codes for the anti-sigma 70 protein. Journal of Bacteriology, 1993, 175, 85-93.	2.2	74
1094	Involvement of <i>Escherichia coli</i> FIS protein in maintenance of bacteriophage mu lysogeny by the repressor: control of early transcription and inhibition of transposition. Journal of Bacteriology, 1993, 175, 3798-3811.	2.2	36
1095	Role of serine 352 in the allosteric response of <i>Serratia marcescens</i> aspartokinase I-homoserine dehydrogenase I analyzed by using site-directed mutagenesis. Journal of Bacteriology, 1993, 175, 959-965.	2.2	15
1096	Protein-protein interactions directing resolvase site-specific recombination: a structure-function analysis.. EMBO Journal, 1993, 12, 1447-1458.	7.8	45
1097	DNA and redox state induced conformational changes in the DNA-binding domain of the Myb oncoprotein.. EMBO Journal, 1993, 12, 4625-4633.	7.8	133
1098	Alterations of highly conserved residues in the regulatory domain of nitrogen regulator I (NtrC) of <i>Escherichia coli</i> . Journal of Bacteriology, 1993, 175, 2692-2701.	2.2	64
1099	Dominant negative inhibition by mutant thyroid hormone receptors is thyroid hormone response element and receptor isoform specific.. Molecular Endocrinology, 1993, 7, 1319-1330.	3.7	55
1100	Regulation of <i>Escherichia coli</i> purA by purine repressor, one component of a dual control mechanism. Journal of Bacteriology, 1994, 176, 1009-1013.	2.2	21

#	ARTICLE	IF	CITATIONS
1101	A novel Mutein of TNF $\alpha$ Containing the Arg-Gly-Asp Sequence Shows Reduced Toxicity in Intestine. Mediators of Inflammation, 1994, 3, 111-116.	3.0	10
1102	spoOJ is required for normal chromosome segregation as well as the initiation of sporulation in <i>Bacillus subtilis</i> . Journal of Bacteriology, 1994, 176, 5320-5329.	2.2	350
1103	Distinct functions of capsid protein in assembly and movement of tobacco etch potyvirus in plants.. EMBO Journal, 1994, 13, 1482-1491.	7.8	269
1104	The <i>Aspergillus nidulans</i> CREA protein mediates glucose repression of the ethanol regulon at various levels through competition with the ALCR-specific transactivator.. EMBO Journal, 1994, 13, 4022-4027.	7.8	124
1105	Genetic evidence that the XylS regulator of the <i>Pseudomonas</i> TOL meta operon controls the Pm promoter through weak DNA-protein interactions. Journal of Bacteriology, 1994, 176, 3171-3176.	2.2	44
1106	Poly(A) site selection in the yeast Ty retroelement requires an upstream region and sequence-specific titratable factor(s) in vitro.. EMBO Journal, 1994, 13, 446-452.	7.8	18
1107	Effect of amino acid substitutions in a potential metal-binding site of AnfA on expression from the anfH promoter in <i>Azotobacter vinelandii</i> . Journal of Bacteriology, 1994, 176, 6139-6142.	2.2	17
1108	Functional analysis of the tdcABC promoter of <i>Escherichia coli</i> : roles of TdcA and TdcR. Journal of Bacteriology, 1994, 176, 6214-6220.	2.2	18
1109	Purification and characterization of the SegA protein of bacteriophage T4, an endonuclease related to proteins encoded by group I introns. Journal of Bacteriology, 1994, 176, 6439-6448.	2.2	21
1110	Role of a small cytoplasmic domain in the establishment of serine chemoreceptor membrane topology. Journal of Bacteriology, 1994, 176, 7118-7120.	2.2	5
1111	Role of the purine repressor hinge sequence in repressor function. Journal of Bacteriology, 1994, 176, 1767-1772.	2.2	30
1112	A dominant negative mutation in the conserved RNA helicase motif $\hat{\alpha}^{\text{S}}\text{SAT}\hat{\alpha}^{\text{TM}}$ causes splicing factor PRP2 to stall in spliceosomes.. EMBO Journal, 1994, 13, 879-887.	7.8	86
1113	The assembly of cytochrome b6/f complexes: an approach using genetic transformation of the green alga <i>Chlamydomonas reinhardtii</i> . EMBO Journal, 1994, 13, 1019-1027.	7.8	188
1114	Correction of xeroderma pigmentosum repair defect by basal transcription factor BTF2 (TFIIH).. EMBO Journal, 1994, 13, 1645-1653.	7.8	103
1115	Two major tertiary folding transitions of the <i>Tetrahymena</i> catalytic RNA.. EMBO Journal, 1994, 13, 2669-2676.	7.8	88
1116	A tyrosine-based motif in the cytoplasmic domain of the alphavirus envelope protein is essential for budding.. EMBO Journal, 1994, 13, 4204-4211.	7.8	122
1117	Intron-dependent formation of pseudouridines in the anticodon of <i>Saccharomyces cerevisiae</i> minor tRNA(Ile).. EMBO Journal, 1994, 13, 4636-4644.	7.8	66
1118	Yeast Skn7p functions in a eukaryotic two-component regulatory pathway.. EMBO Journal, 1994, 13, 5186-5194.	7.8	141

#	ARTICLE	IF	CITATIONS
1119	Glu-255 outside the predicted ChvE binding site in VirA is crucial for sugar enhancement of acetosyringone perception by <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 1994, 176, 3242-3249.	2.2	45
1120	A conserved secondary structural motif in 23S rRNA defines the site of interaction of ampicillin, a universal inhibitor of peptide bond formation.. <i>EMBO Journal</i> , 1994, 13, 1682-1686.	7.8	46
1121	A C-terminal domain conserved in precursor processing proteases is required for intramolecular N-terminal maturation of pro-Kex2 protease.. <i>EMBO Journal</i> , 1994, 13, 2280-2288.	7.8	88
1122	The site of 3' end formation of histone messenger RNA is a fixed distance from the downstream element recognized by the U7 snRNP.. <i>EMBO Journal</i> , 1994, 13, 2432-2440.	7.8	62
1123	Molecular characterization of a family of ligands for eph-related tyrosine kinase receptors.. <i>EMBO Journal</i> , 1994, 13, 3757-3762.	7.8	128
1124	Properties of bacteriorhodopsin derivatives constructed by insertion of an exogenous epitope into extra-membrane loops.. <i>EMBO Journal</i> , 1994, 13, 5794-5794.	7.8	4
1125	Functional analysis of the <i>Escherichia coli</i> K-12 <i>cyn</i> operon transcriptional regulation. <i>Journal of Bacteriology</i> , 1994, 176, 6613-6622.	2.2	41
1126	Molecular characterization of SIG1, a <i>Saccharomyces cerevisiae</i> gene involved in negative regulation of G-protein-mediated signal transduction.. <i>EMBO Journal</i> , 1994, 13, 3050-3064.	7.8	14
1127	Identification of flagellar synthesis regulatory and structural genes in a sigma D-dependent operon of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1994, 176, 4492-4500.	2.2	65
1128	Severe factor VII deficiency caused by mutations abolishing the cleavage site for activation and altering binding to tissue factor. <i>Blood</i> , 1994, 83, 3524-3535.	1.4	58
1129	Functions involved in bacteriophage P2-induced host cell lysis and identification of a new tail gene. <i>Journal of Bacteriology</i> , 1994, 176, 4974-4984.	2.2	50
1130	Overproduction of <i>Thermus aquaticus</i> DNA Polymerase and Its Structural Analysis by Ion-Spray Mass Spectrometry. <i>Journal of Biochemistry</i> , 1994, 116, 1019-1024.	1.7	18
1131	Isolation and characterization of a gene, <i>pmrD</i> , from <i>Salmonella typhimurium</i> that confers resistance to polymyxin when expressed in multiple copies. <i>Journal of Bacteriology</i> , 1994, 176, 3589-3597.	2.2	53
1132	Role of phospholipase C in <i>Dictyostelium</i> : formation of inositol 1,4,5-trisphosphate and normal development in cells lacking phospholipase C activity.. <i>EMBO Journal</i> , 1994, 13, 1601-1609.	7.8	91
1133	A short element required for turning off heat shock transcription factor: evidence that phosphorylation enhances deactivation.. <i>EMBO Journal</i> , 1994, 13, 2617-2624.	7.8	107
1134	An E box in the desmin promoter cooperates with the E box and MEF-2 sites of a distal enhancer to direct muscle-specific transcription.. <i>EMBO Journal</i> , 1994, 13, 3580-3589.	7.8	80
1135	Structural requirements of <i>Bacillus subtilis</i> small cytoplasmic RNA for cell growth, sporulation, and extracellular enzyme production. <i>Journal of Bacteriology</i> , 1994, 176, 157-165.	2.2	23
1136	Mutational analysis of the transcriptional activator VirG of <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 1994, 176, 6418-6426.	2.2	36

#	ARTICLE	IF	CITATIONS
1137	Alanine-scanning mutagenesis reveals residues involved in binding of pap-3-encoded pili. <i>Journal of Bacteriology</i> , 1994, 176, 2312-2317.	2.2	12
1138	Mutations in eukaryotic 18S ribosomal RNA affect translational fidelity and resistance to aminoglycoside antibiotics.. <i>EMBO Journal</i> , 1994, 13, 906-913.	7.8	117
1139	Neuronal differentiation signals are controlled by nerve growth factor receptor/Trk binding sites for SHC and PLC gamma.. <i>EMBO Journal</i> , 1994, 13, 1585-1590.	7.8	274
1140	Cross-regulation by XylR and DmpR activators of <i>Pseudomonas putida</i> suggests that transcriptional control of biodegradative operons evolves independently of catabolic genes. <i>Journal of Bacteriology</i> , 1994, 176, 5052-5058.	2.2	71
1141	The asiA gene product of bacteriophage T4 is required for middle mode RNA synthesis. <i>Journal of Bacteriology</i> , 1994, 176, 3956-3965.	2.2	57
1142	Mutational analysis of the [4Fe-4S]-cluster converting iron regulatory factor from its RNA-binding form to cytoplasmic aconitase.. <i>EMBO Journal</i> , 1994, 13, 453-461.	7.8	163
1143	The <i>Escherichia coli</i> dsbC (xprA) gene encodes a periplasmic protein involved in disulfide bond formation.. <i>EMBO Journal</i> , 1994, 13, 2013-2020.	7.8	218
1144	Active site of the replication protein of the rolling circle plasmid pC194.. <i>EMBO Journal</i> , 1994, 13, 4412-4420.	7.8	71
1145	CRP induces the repositioning of MalT at the <i>Escherichia coli</i> malKp promoter primarily through DNA bending.. <i>EMBO Journal</i> , 1994, 13, 4558-4567.	7.8	51
1146	Plasmid-directed assembly of the lipid-containing membrane of bacteriophage phi 6. <i>Journal of Bacteriology</i> , 1994, 176, 4124-4132.	2.2	26
1147	p40MO15 associates with a p36 subunit and requires both nuclear translocation and Thr176 phosphorylation to generate cdk-activating kinase activity in <i>Xenopus</i> oocytes.. <i>EMBO Journal</i> , 1994, 13, 5155-5164.	7.8	76
1148	Consequences of altered isoprenylation targets on a-factor export and bioactivity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 1275-1279.	7.1	37
1149	Analysis of transport and targeting of syndecan-1: effect of cytoplasmic tail deletions.. <i>Molecular Biology of the Cell</i> , 1994, 5, 1325-1339.	2.1	64
1150	Identification of human herpesvirus 6 uracil-DNA glycosylase gene. <i>Journal of General Virology</i> , 1994, 75, 2349-2354.	2.9	15
1151	Promoter elements and transcriptional control of the chicken $\hat{I}^2$ tropomyosin gene. <i>Nucleic Acids Research</i> , 1994, 22, 1838-1845.	14.5	15
1152	Regulation of tissue factor gene expression in epithelial cells. Induction by serum and phorbol 12-myristate 13-acetate.. <i>Arteriosclerosis and Thrombosis: A Journal of Vascular Biology</i> , 1994, 14, 807-814.	3.9	35
1153	A possible role for the 60-kD Ro autoantigen in a discard pathway for defective 5S rRNA precursors.. <i>Genes and Development</i> , 1994, 8, 2891-2903.	5.9	174
1154	Mutations that increase the affinity of a translational repressor for RNA. <i>Nucleic Acids Research</i> , 1994, 22, 3748-3752.	14.5	76

#	ARTICLE	IF	CITATIONS
1155	Sequence and structural elements critical for U8 snRNP function in <i>Xenopus</i> oocytes are evolutionarily conserved.. <i>Genes and Development</i> , 1994, 8, 2241-2255.	5.9	97
1156	Elements of the maize A1 promoter required for transactivation by the anthocyanin B/C1 or phlobaphene P regulatory genes.. <i>Plant Cell</i> , 1994, 6, 1655-1663.	6.6	69
1157	Two 10-bp regions are critical for phytochrome regulation of a <i>Lemna gibba</i> Lhcb gene promoter.. <i>Plant Cell</i> , 1994, 6, 1123-1134.	6.6	55
1158	Microsatellite Markers for Genetic Mapping in the Chicken. <i>Poultry Science</i> , 1994, 73, 539-546.	3.4	82
1159	Translation start site multiplicity of the CCAAT/enhancer binding protein $\beta$ mRNA is dictated by a small 5' open reading frame. <i>Nucleic Acids Research</i> , 1994, 22, 5540-5547.	14.5	75
1160	Microtubule dynamics modulated by guanosine triphosphate hydrolysis activity of beta-tubulin. <i>Science</i> , 1994, 264, 839-842.	12.6	72
1161	Involvement of JunD in transcriptional activation of the orphan receptor gene <i>nur77</i> by nerve growth factor and membrane depolarization in PC12 cells.. <i>Molecular and Cellular Biology</i> , 1994, 14, 7731-7743.	2.3	54
1162	A Rapid Method for the Purification of Large Amounts of an $\alpha$ -Complementing Peptide Derived from $\beta$ -Galactosidase (E. coli). <i>Preparative Biochemistry and Biotechnology</i> , 1994, 24, 297-304.	0.5	7
1163	Activation Dependent and Independent VLA-4 Binding Sites on Vascular Cell Adhesion Molecule-1. <i>Cell Adhesion and Communication</i> , 1994, 2, 87-99.	1.7	39
1164	Human estrogen receptor transactivational capacity is determined by both cellular and promoter context and mediated by two functionally distinct intramolecular regions.. <i>Molecular Endocrinology</i> , 1994, 8, 21-30.	3.7	515
1165	A self-initiating eukaryotic transient gene expression system based on cotransfection of bacteriophage T7 RNA polymerase and DNA vectors containing a T7 autogene. <i>Nucleic Acids Research</i> , 1994, 22, 2114-2120.	14.5	31
1166	Influence of Deletions in N or C Terminus of HIV-1 Glycoprotein 120 on Binding of Infectivity-Enhancing Antibody. <i>AIDS Research and Human Retroviruses</i> , 1994, 10, 1065-1069.	1.1	8
1167	Structure-function relationships of rat androgen-binding protein/human sex-hormone binding globulin: the effect of mutagenesis on steroid-binding parameters.. <i>Endocrinology</i> , 1994, 135, 157-167.	2.8	17
1168	Cell movement elicited by epidermal growth factor receptor requires kinase and autophosphorylation but is separable from mitogenesis. <i>Journal of Cell Biology</i> , 1994, 124, 547-555.	5.2	207
1169	A sigma 54 transcriptional activator also functions as a pole-specific repressor in <i>Caulobacter</i> .. <i>Genes and Development</i> , 1994, 8, 1839-1852.	5.9	51
1170	Retrieval of HDEL proteins is required for growth of yeast cells.. <i>Journal of Cell Biology</i> , 1994, 127, 21-28.	5.2	44
1171	UME6 is a key regulator of nitrogen repression and meiotic development.. <i>Genes and Development</i> , 1994, 8, 796-810.	5.9	182
1172	Formation of two hydrogen bonds from the globin to the heme-linked oxygen molecule in <i>Ascaris</i> hemoglobin.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 1594-1597.	7.1	103



#	ARTICLE	IF	CITATIONS
1173	An internal region of the peroxisomal membrane protein PMP47 is essential for sorting to peroxisomes. <i>Journal of Cell Biology</i> , 1994, 124, 915-925.	5.2	84
1174	Control of cellular morphogenesis by the Ip12/Bem2 GTPase-activating protein: possible role of protein phosphorylation.. <i>Journal of Cell Biology</i> , 1994, 127, 1381-1394.	5.2	95
1175	Members of the fatty acid binding protein family are differentiation factors for the mammary gland.. <i>Journal of Cell Biology</i> , 1994, 127, 1097-1109.	5.2	108
1176	Vma21p is a yeast membrane protein retained in the endoplasmic reticulum by a di-lysine motif and is required for the assembly of the vacuolar H(+)-ATPase complex.. <i>Molecular Biology of the Cell</i> , 1994, 5, 1039-1050.	2.1	122
1177	Inhibition of protein synthesis by an efficiently expressed mutation in the yeast 5.8S ribosomal RNA. <i>Nucleic Acids Research</i> , 1994, 22, 686-693.	14.5	28
1178	Subcellular locations of MOD5 proteins: mapping of sequences sufficient for targeting to mitochondria and demonstration that mitochondrial and nuclear isoforms commingle in the cytosol.. <i>Molecular and Cellular Biology</i> , 1994, 14, 2298-2306.	2.3	73
1179	Redundant cis-acting elements control expression of the <i>Drosophila</i> <i>affinidisjuncta</i> Adh gene in the larval fat body. <i>Nucleic Acids Research</i> , 1994, 22, 1257-1264.	14.5	12
1180	Single base, site-directed mutagenesis of a 90 kilobasepair P1 clone. <i>Nucleic Acids Research</i> , 1994, 22, 4348-4349.	14.5	12
1181	Genetic and biochemical analysis of the fission yeast ribonucleoprotein particle containing a homolog of Srp54p. <i>Nucleic Acids Research</i> , 1994, 22, 2557-2567.	14.5	11
1182	End processing of mouse histone pre-mRNA: evidence for additional base-pairing between U7 snRNA and pre-mRNA. <i>Nucleic Acids Research</i> , 1994, 22, 4023-4030.	14.5	42
1183	Sequence determinants of DNA bending in the <i>ilvH</i> promoter and regulatory region of <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 1994, 22, 5753-5860.	14.5	9
1184	Regulation of <i>pyrBI</i> operon expression in <i>Escherichia coli</i> by UTP-sensitive reiterative RNA synthesis during transcriptional initiation.. <i>Genes and Development</i> , 1994, 8, 2904-2912.	5.9	63
1186	Family A and family B DNA polymerases are structurally related: evolutionary implications. <i>Nucleic Acids Research</i> , 1994, 22, 5177-5183.	14.5	15
1187	A proline-rich transcriptional activation domain in murine HOXD-4 (HOX-4.2). <i>Nucleic Acids Research</i> , 1994, 22, 376-382.	14.5	36
1188	A single amino acid change in the E2 spike protein of a virulent strain of Semliki Forest virus attenuates pathogenicity. <i>Journal of General Virology</i> , 1994, 75, 663-668.	2.9	39
1189	Stability and function of the signal peptide of the pCloDF13-derived bacteriocin release protein. <i>Microbiology (United Kingdom)</i> , 1994, 140, 369-378.	1.8	14
1190	Differential Interactions of Promoter Elements in Stress Responses of the <i>Arabidopsis</i> Adh Gene. <i>Plant Physiology</i> , 1994, 105, 1075-1087.	4.8	286
1191	A new method for strand discrimination in sequence-directed mutagenesis. <i>Nucleic Acids Research</i> , 1994, 22, 884-885.	14.5	17

#	ARTICLE	IF	CITATIONS
1192	Requirements for self-splicing of a group I intron from <i>Physarum polycephalum</i> . <i>Nucleic Acids Research</i> , 1994, 22, 4315-4320.	14.5	12
1193	Induction of pseudohyphal growth by overexpression of PHD1, a <i>Saccharomyces cerevisiae</i> gene related to transcriptional regulators of fungal development.. <i>Molecular and Cellular Biology</i> , 1994, 14, 2100-2112.	2.3	290
1194	Simultaneous regulation of tomato golden mosaic virus coat protein and AL1 gene expression: expression of the AL4 gene may contribute to suppression of the AL1 gene. <i>Journal of General Virology</i> , 1994, 75, 721-726.	2.9	53
1195	nup1 mutants exhibit pleiotropic defects in nuclear pore complex function.. <i>Journal of Cell Biology</i> , 1994, 127, 319-332.	5.2	87
1196	Structural requirements for adhesion of soluble recombinant murine vascular cell adhesion molecule-1 to alpha 4 beta 1.. <i>Journal of Cell Biology</i> , 1994, 125, 1395-1406.	5.2	61
1197	Multiple regions of TBP participate in the response to transcriptional activators in vivo.. <i>Genes and Development</i> , 1994, 8, 2756-2769.	5.9	68
1198	In vitro activation of urease apoprotein and role of UreD as a chaperone required for nickel metallocenter assembly.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 3233-3237.	7.1	118
1199	Localization of Sed5, a putative vesicle targeting molecule, to the cis-Golgi network involves both its transmembrane and cytoplasmic domains.. <i>Journal of Cell Biology</i> , 1994, 127, 357-371.	5.2	164
1200	Reversal of clavulanate resistance conferred by a Ser-244 mutant of TEM-1 beta-lactamase as a result of a second mutation (Arg to Ser at position 164) that enhances activity against ceftazidime. <i>Antimicrobial Agents and Chemotherapy</i> , 1994, 38, 1134-1139.	3.2	46
1201	Induction of apoptosis by the mouse Nedd2 gene, which encodes a protein similar to the product of the <i>Caenorhabditis elegans</i> cell death gene ced-3 and the mammalian IL-1 beta-converting enzyme.. <i>Genes and Development</i> , 1994, 8, 1613-1626.	5.9	578
1202	Ribonuclease E provides substrates for ribonuclease P-dependent processing of a polycistronic mRNA.. <i>Genes and Development</i> , 1994, 8, 3021-3031.	5.9	142
1203	Effect of threonine-to-methionine substitution at position 265 on structure and function of TEM-1 beta-lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 1994, 38, 2266-2269.	3.2	21
1204	A Small GTP-Binding Protein from <i>Arabidopsis thaliana</i> Functionally Complements the Yeast YPT6 Null Mutant. <i>Plant Physiology</i> , 1994, 104, 591-596.	4.8	94
1205	Regulation of mitochondrial morphology and inheritance by Mdm10p, a protein of the mitochondrial outer membrane.. <i>Journal of Cell Biology</i> , 1994, 126, 1361-1373.	5.2	270
1206	MCM1 point mutants deficient in expression of alpha-specific genes: residues important for interaction with alpha 1.. <i>Molecular and Cellular Biology</i> , 1994, 14, 2534-2544.	2.3	57
1207	Amino acid residues 24-31 but not palmitoylation of cysteines 30 and 45 are required for membrane anchoring of glutamic acid decarboxylase, GAD65. <i>Journal of Cell Biology</i> , 1994, 124, 927-934.	5.2	75
1208	Regulated degradation of HMG-CoA reductase, an integral membrane protein of the endoplasmic reticulum, in yeast.. <i>Journal of Cell Biology</i> , 1994, 125, 299-312.	5.2	212
1209	The types II and III transforming growth factor-beta receptors form homo-oligomers.. <i>Journal of Cell Biology</i> , 1994, 126, 139-154.	5.2	194

#	ARTICLE	IF	CITATIONS
1210	Two upstream activation sequences control the expression of the XPR2 gene in the yeast <i>Yarrowia lipolytica</i> . <i>Molecular and Cellular Biology</i> , 1994, 14, 327-338.	2.3	55
1211	Site-Directed Mutagenesis Using a Uracil-Containing Phagemid Template. , 1994, 31, 67-78.		5
1212	Functional analysis of cis-acting DNA elements required for expression of the SL RNA gene in the parasitic protozoan <i>Leishmania amazonensis</i> . <i>Nucleic Acids Research</i> , 1994, 22, 1959-1965.	14.5	46
1213	Differential Protein Binding and Transcriptional Activities of HNF-4 Elements in Three Closely Related <i>CYP2C</i> Genes. <i>DNA and Cell Biology</i> , 1994, 13, 771-779.	1.9	27
1214	Steady-state fluorescence and phosphorescence spectroscopic studies of bacterial luciferase tryptophan mutants. <i>Journal of Fluorescence</i> , 1994, 4, 209-216.	2.5	3
1215	Immunodetection of the 33 K/92 K polymerase proteins in cymbidium ringspot virus-infected and in transgenic plant tissue extracts. <i>Archives of Virology</i> , 1994, 138, 135-142.	2.1	20
1216	Expression of an endogenous and a heterologous gene in <i>Candida maltosa</i> by using a promoter of a newly-isolated phosphoglycerate kinase (PGK) gene. <i>Current Genetics</i> , 1994, 25, 412-417.	1.7	30
1217	Site-directed mutagenesis of the ferric uptake regulation gene of <i>Escherichia coli</i> . <i>BioMetals</i> , 1994, 7, 292-8.	4.1	47
1218	Analysis of the regulation of the <i>Aspergillus nidulans</i> <i>acuD</i> gene, encoding isocitrate lyase, by construction of a hybrid promoter. <i>Molecular Genetics and Genomics</i> , 1994, 243, 654-659.	2.4	26
1219	Site-directed mutagenesis of the yeast PRP20/ISR1 gene reveals distinct activity domains in the protein product. <i>Molecular Genetics and Genomics</i> , 1994, 245, 32-44.	2.4	9
1220	The organization of the Pm promoter of the TOL plasmid reflects the structure of its cognate activator protein XylS. <i>Molecular Genetics and Genomics</i> , 1994, 244, 596-605.	2.4	27
1221	Identification and characterization of PilS, an essential regulator of pilin expression in <i>Pseudomonas aeruginosa</i> . <i>Molecular Genetics and Genomics</i> , 1994, 243, 565-574.	2.4	37
1222	Structure and promoter analysis of an ABA- and stress-regulated barley gene, HVA1. <i>Plant Molecular Biology</i> , 1994, 26, 617-630.	3.9	102
1223	Tissue-specific and temporal regulation of a $\beta$ -conglycinin gene: roles of the RY repeat and other cis-acting elements. <i>Plant Molecular Biology</i> , 1994, 24, 261-272.	3.9	125
1224	Localization of the VirA domain involved in acetosyringone-mediated <i>vir</i> gene induction in <i>Agrobacterium tumefaciens</i> . <i>Plant Molecular Biology</i> , 1994, 25, 899-907.	3.9	31
1225	Autonomous folding of the excised coenzyme A-binding domain of D-glucose 6-phosphate dehydrogenase from <i>Thermotoga maritima</i> . <i>Protein Science</i> , 1994, 3, 411-418.	7.6	14
1226	Mutational and crystallographic analyses of the active site residues of the <i>Bacillus circulans</i> xylanase. <i>Protein Science</i> , 1994, 3, 467-475.	7.6	265
1227	Dimerization of $\beta$ 2-crystallin: The role of the linker peptide and the N- and C-terminal extensions. <i>Protein Science</i> , 1994, 3, 1392-1400.	7.6	82

#	ARTICLE	IF	CITATIONS
1228	Structure-function relationship in the globular type III antifreeze protein: Identification of a cluster of surface residues required for binding to ice. <i>Protein Science</i> , 1994, 3, 1760-1769.	7.6	119
1229	Kinetics and crystal structure of a mutant <i>Escherichia coli</i> alkaline phosphatase (Asp369 → Asn): A mechanism involving one zinc per active site. <i>Protein Science</i> , 1994, 3, 2005-2014.	7.6	19
1230	Hydrogen exchange in BPTI variants that do not share a common disulfide bond. <i>Protein Science</i> , 1994, 3, 2226-2232.	7.6	19
1231	Structure-Function analysis of human IL6: Identification of two distinct regions that are important for receptor binding. <i>Protein Science</i> , 1994, 3, 2280-2293.	7.6	81
1232	Dissecting the energetics of an antibody-antigen interface by alanine shaving and molecular grafting. <i>Protein Science</i> , 1994, 3, 2351-2357.	7.6	82
1233	X-ray structures of fragments from binding and nonbinding versions of a humanized anti-CD18 antibody: Structural indications of the key role of VH residues 59 to 65. <i>Proteins: Structure, Function and Bioinformatics</i> , 1994, 18, 49-62.	2.6	58
1234	Crystallization of a fragment of human fibronectin: Introduction of methionine by site-directed mutagenesis to allow phasing via selenomethionine. <i>Proteins: Structure, Function and Bioinformatics</i> , 1994, 19, 48-54.	2.6	86
1235	Structure-function studies of [2Fe-2S] ferredoxins. <i>Journal of Bioenergetics and Biomembranes</i> , 1994, 26, 67-88.	2.3	101
1236	Amino acid substitutions within the analogous nucleotide binding loop (P-loop) of aminoglycoside 3'-phosphotransferase-II. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1994, 26, 61-66.	0.5	11
1237	The dimer-tetramer equilibrium of recombinant hemoglobins. Stabilization of the $\alpha_1\alpha_2$ interface by the mutation $\beta^2$ (Cys112 → Gly) at the $\beta_1\beta_2$ interface. <i>Biophysical Chemistry</i> , 1994, 51, 53-57.	2.8	26
1238	Resolution of proteins on a phenyl-Superose HR5/5 column and its application to examining the conformation homogeneity of refolded recombinant staphylococcal nuclease. <i>Journal of Chromatography A</i> , 1994, 685, 31-37.	3.7	11
1239	Engineering an interfacial zinc site to increase hormone-receptor affinity. <i>Chemistry and Biology</i> , 1994, 1, 25-30.	6.0	12
1240	In vivo expression and mitochondrial import of normal and mutated tRNA <sup>thr</sup> in <i>Leishmania</i> . <i>Molecular and Biochemical Parasitology</i> , 1994, 64, 121-133.	1.1	15
1241	Mutagenesis of a highly conserved lysine 340 of the PRD1 DNA polymerase. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1994, 1219, 260-266.	2.4	3
1242	Site-directed mutagenesis of the putative active site of endoglucanase K from <i>Bacillus</i> sp. KSM-330. <i>BBA - Proteins and Proteomics</i> , 1994, 1207, 159-164.	2.1	17
1243	Putative functions of phenylalanine-350 of <i>Pseudomonas putida</i> cytochrome P-450cam. <i>BBA - Proteins and Proteomics</i> , 1994, 1204, 84-90.	2.1	32
1244	Significant contribution of arginine-112 and its positive charge of <i>Pseudomonas putida</i> cytochrome P-450cam in the electron transport from putidaredoxin. <i>BBA - Proteins and Proteomics</i> , 1994, 1207, 40-48.	2.1	40
1245	Determination of the catalytic site of creatine kinase by site-directed mutagenesis. <i>BBA - Proteins and Proteomics</i> , 1994, 1206, 97-104.	2.1	52

#	ARTICLE	IF	CITATIONS
1246	A novel 7- $\beta$ -(4-carboxybutanamido)-cephalosporanic acid acylase isolated from <i>Pseudomonas</i> strain C427 and its high-level production in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 1994, 77, 591-597.	0.9	28
1247	Affinity labelling of cephalosporin C acylase from <i>Pseudomonas</i> sp. N176 with a substrate analogue, 7- $\beta$ -(6-bromohexanoylamido)cephalosporanic acid. <i>Journal of Bioscience and Bioengineering</i> , 1994, 77, 598-603.	0.9	10
1248	Chemical modification and site-directed mutagenesis of tyrosine residues in cephalosporin C acylase from <i>Pseudomonas</i> strain N176. <i>Journal of Bioscience and Bioengineering</i> , 1994, 77, 604-609.	0.9	11
1249	Identification of a region of the human endothelin ETA receptor required for interaction with bosentan. <i>European Journal of Pharmacology</i> , 1994, 269, 225-234.	2.6	11
1250	Glutamate receptor modulation by protein phosphorylation. <i>Journal of Physiology (Paris)</i> , 1994, 88, 181-192.	2.1	106
1251	An approach to construction of hybrid polypeptide molecules—homologue recombination method. <i>Nucleic Acids Research</i> , 1994, 22, 3808-3810.	14.5	5
1252	Histidine-272 of isopenicillin N synthase of <i>Cephalosporium acremonium</i> , which is possibly involved in iron binding, is essential for its catalytic activity. <i>FEMS Microbiology Letters</i> , 1994, 120, 241-247.	1.8	7
1253	Epitope mapping by cysteine mutagenesis: Identification of residues involved in recognition by three monoclonal antibodies directed against LamB glycoprotein in the outer membrane of <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 1994, 120, 341-348.	1.8	2
1254	Cystinuria caused by mutations in rBAT, a gene involved in the transport of cystine. <i>Nature Genetics</i> , 1994, 6, 420-425.	21.4	366
1255	A transmembrane domain of the putative channel subunit MEC-4 influences mechanotransduction and neurodegeneration in <i>C. elegans</i> . <i>Nature</i> , 1994, 367, 470-473.	27.8	212
1256	Insight into E-selectin/ligand interaction from the crystal structure and mutagenesis of the lec/EGF domains. <i>Nature</i> , 1994, 367, 532-538.	27.8	454
1257	Measurement of the $\beta$ -sheet-forming propensities of amino acids. <i>Nature</i> , 1994, 367, 660-663.	27.8	603
1258	Ventralizing signal determined by protease activation in <i>Drosophila</i> embryogenesis. <i>Nature</i> , 1994, 368, 548-551.	27.8	80
1259	Specificity of the thrombin receptor for agonist peptide is defined by its extracellular surface. <i>Nature</i> , 1994, 368, 648-651.	27.8	213
1260	Context is a major determinant of $\beta$ -sheet propensity. <i>Nature</i> , 1994, 371, 264-267.	27.8	345
1261	The cellulose-binding domain of endoglucanase A (CenA) from <i>Cellulomonas fimi</i> : evidence for the involvement of tryptophan residues in binding. <i>Molecular Microbiology</i> , 1994, 11, 747-755.	2.5	138
1262	Isolation and characterization of hypophosphite-resistant mutants of <i>Escherichia coli</i> : identification of the FocA protein, encoded by the pfl operon, as a putative formate transporter. <i>Molecular Microbiology</i> , 1994, 11, 965-982.	2.5	165
1263	A mutation in the receiver domain of the <i>Agrobacterium tumefaciens</i> transcriptional regulator VirG increases its affinity for operator DNA. <i>Molecular Microbiology</i> , 1994, 12, 23-30.	2.5	18

#	ARTICLE	IF	CITATIONS
1264	Mutations that affect regulation of the korB gene of <i>Streptomyces lividans</i> plasmid pIJ101 alter plasmid transmission. <i>Molecular Microbiology</i> , 1994, 12, 31-39.	2.5	13
1265	Molecular characterization of PulE, a protein required for pullulanase secretion. <i>Molecular Microbiology</i> , 1994, 12, 287-299.	2.5	118
1266	Multiple protein-DNA and protein-protein interactions are involved in transcriptional activation by MalT. <i>Molecular Microbiology</i> , 1994, 14, 335-346.	2.5	27
1267	Transmembrane signalling by the chimeric chemosensory receptors of <i>Escherichia coli</i> Tsr and Tar with heterologous membrane-spanning regions. <i>Molecular Microbiology</i> , 1994, 14, 755-762.	2.5	26
1268	PilR, a transcriptional regulator of piliation in <i>Pseudomonas aeruginosa</i> , binds to a cis-acting sequence upstream of the pilin gene promoter. <i>Molecular Microbiology</i> , 1994, 14, 1049-1057.	2.5	42
1269	The dipeptide permease of <i>Escherichia coli</i> closely resembles other bacterial transport systems and shows growth-phase-dependent expression. <i>Molecular Microbiology</i> , 1994, 14, 1077-1092.	2.5	62
1270	Electron transfer in cytochrome c depends upon the structure of the intervening medium. <i>Structure</i> , 1994, 2, 415-422.	3.3	46
1271	Ovary-specific expression of a gene encoding a divergent $\beta$ -tubulin isotype in <i>Xenopus</i> . <i>Differentiation</i> , 1994, 58, 9-18.	1.9	8
1272	Detection of the 3a Protein of Cucumber Mosaic Virus in a Cell Wall Fraction from Infected <i>Nicotiana clevelandii</i> Plants. <i>Journal of Phytopathology</i> , 1994, 142, 317-323.	1.0	3
1273	Importance of General Regulatory Factors Rap1p, Abf1p and Reb1p for the Activation of Yeast Fatty Acid Synthase Genes FAS1 and FAS2. <i>FEBS Journal</i> , 1994, 225, 213-222.	0.2	40
1274	Identification of a ligand-binding site of the human endothelin-A receptor and specific regions required for ligand selectivity. <i>FEBS Journal</i> , 1994, 220, 37-43.	0.2	32
1275	Hydrophobic interaction at the subunit interface contributes to the thermostability of 3-isopropylmalate dehydrogenase from an extreme thermophile, <i>Thermus thermophilus</i> . <i>FEBS Journal</i> , 1994, 220, 275-281.	0.2	116
1276	Cis-acting elements reinforcing the activity of the estrogen-response element in the very-low-density apolipoprotein II gene promoter. <i>FEBS Journal</i> , 1994, 221, 43-51.	0.2	5
1277	Catabolic ornithine carbamoyltransferase of <i>Pseudomonas aeruginosa</i> . Changes of allosteric properties resulting from modifications at the C-terminus. <i>FEBS Journal</i> , 1994, 221, 555-561.	0.2	11
1278	The Effect of the Asn82Asp Mutation in Yeast Cytochrome c Peroxidase Studied by Proton NMR Spectroscopy. <i>FEBS Journal</i> , 1994, 224, 81-87.	0.2	18
1279	A Misfolded but Active Dimer of Bovine Seminal Ribonuclease. <i>FEBS Journal</i> , 1994, 224, 109-114.	0.2	19
1280	Multiple Proline Substitutions Cumulatively Thermostabilize <i>Bacillus Cereus</i> ATCC7064 Oligo-1,6-Glucosidase. Irrefragable Proof Supporting the Proline Rule. <i>FEBS Journal</i> , 1994, 226, 277-283.	0.2	158
1281	Structure and promoter activity of a stress and developmentally regulated polyubiquitin-encoding gene of <i>Nicotiana tabacum</i> . <i>Gene</i> , 1994, 148, 195-202.	2.2	56



#	ARTICLE	IF	CITATIONS
1282	Structure of a Myristoyl-ACP-Specific Thioesterase from <i>Vibrio harveyi</i> . <i>Biochemistry</i> , 1994, 33, 9382-9388.	2.5	109
1283	The nature of major histocompatibility complex recognition by $\hat{I}^3\hat{I}$ T cells. <i>Cell</i> , 1994, 76, 29-37.	28.9	395
1284	Transcriptional activation by a DNA-tracking protein: Structural consequences of enhancement at the T4 late promoter. <i>Cell</i> , 1994, 77, 225-237.	28.9	75
1285	Protection of immunosuppressed mice against translocation of <i>Pseudomonas aeruginosa</i> from the gut by oral immunization with recombinant <i>Pseudomonas aeruginosa</i> outer membrane protein I expressing <i>Salmonella dublin</i> . <i>Vaccine</i> , 1994, 12, 1215-1221.	3.8	18
1286	The drosophila <i>dgc</i> gene encodes a $\hat{G}\hat{I}\pm$ protein that mediates phototransduction. <i>Neuron</i> , 1994, 13, 1143-1157.	8.1	127
1287	Expression and kinetic characterization of barley chymotrypsin inhibitors 1a and 1b. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994, 1222, 179-186.	4.1	8
1288	Expression of the <i>Alcaligenes eutrophus</i> <i>phbA</i> gene in <i>Escherichia coli</i> using a positive selection vector based on phage Lambda lysis genes. <i>Journal of Biotechnology</i> , 1994, 33, 15-19.	3.8	7
1289	Replacement of an amino acid residue of cyclodextrin glucanotransferase of <i>Bacillus ohbensis</i> doubles the production of $\hat{I}^3$ -cyclodextrin. <i>Journal of Biotechnology</i> , 1994, 32, 283-288.	3.8	46
1290	Phosphorylation of the AfsR protein involved in secondary metabolism in <i>Streptomyces</i> species by a eukaryotic-type protein kinase. <i>Gene</i> , 1994, 146, 47-56.	2.2	158
1291	The Cys(X)5Arg Catalytic Motif in Phosphoester Hydrolysis. <i>Biochemistry</i> , 1994, 33, 15266-15270.	2.5	179
1292	Inversion of proton translocation in bacteriorhodopsin mutants D85N, D85T, and D85,96N. <i>Biophysical Journal</i> , 1994, 67, 1682-1690.	0.5	115
1293	Structural Requirements for Addition of O-Linked Carbohydrate to Recombinant Erythropoietin. <i>Biochemistry</i> , 1994, 33, 11237-11245.	2.5	42
1294	Expression of homologous and heterologous viral coat protein-encoding genes using recombinant DI RNA from cymbidium ringspot tomosvirus. <i>Gene</i> , 1994, 138, 159-163.	2.2	10
1295	The role of the 3'-untranslated region of non-polyadenylated plant viral mRNAs in regulating translational efficiency. <i>Gene</i> , 1994, 142, 159-165.	2.2	89
1296	Role of cysteine residues in esterase from <i>Bacillus stearothermophilus</i> and increasing its thermostability by the replacement of cysteines. <i>Applied Microbiology and Biotechnology</i> , 1994, 40, 664-668.	3.6	21
1297	An oligomeric protein is imported into peroxisomes in vivo.. <i>Journal of Cell Biology</i> , 1994, 127, 1245-1257.	5.2	333
1298	Substitution of conserved tyrosine residues in helix 4 (Y143) and 7 (Y293) affects the activity, but not IAPS-forskolin binding, of the glucose transporter GLUT4. <i>FEBS Letters</i> , 1994, 348, 114-118.	2.8	24
1299	Directed mutagenesis of pig renal membrane dipeptidase His219 is critical but the DHXXH motif is not essential for zinc binding or catalytic activity. <i>FEBS Letters</i> , 1994, 349, 50-54.	2.8	22

#	ARTICLE	IF	CITATIONS
1300	Multiple nuclear localization signals of the B-myb gene product. FEBS Letters, 1994, 350, 55-60.	2.8	17
1301	Identification of serines-1035/1037 in the kinase domain of the insulin receptor as protein kinase C-mediated phosphorylation sites. FEBS Letters, 1994, 352, 389-392.	2.8	34
1302	Autophosphorylation of nucleoside diphosphate kinase on non-histidine residues. FEBS Letters, 1994, 353, 5-8.	2.8	35
1303	Identification of amino acid residues associated with the [2Fe-2S] cluster of the 25 kDa (NQO2) subunit of the proton-translocating NADH-quinone oxidoreductase of <i>Paracoccus denitrificans</i> . FEBS Letters, 1994, 354, 160-164.	2.8	33
1304	A point mutation within the ATP-binding site inactivates both catalytic functions of the ATP-dependent protease La (Lon) from <i>Escherichia coli</i> . FEBS Letters, 1994, 356, 101-103.	2.8	34
1305	The number of amino acid residues in hydrophilic loops connecting transmembrane domains of the GABA transporter GAT-1 is critical for its function. FEBS Letters, 1994, 356, 191-194.	2.8	26
1306	Mutation of a putative ADP-ribosylation motif in the <i>Pasteurella multocida</i> toxin does not affect mitogenic activity. FEBS Letters, 1994, 342, 81-84.	2.8	17
1307	Peptide antibiotics of the tuberactinomycin family as inhibitors of group I intron RNA splicing. <i>Journal of Molecular Biology</i> , 1994, 236, 1001-1010.	4.2	64
1308	Identification of specific regions of the human endothelin-B receptor required for high affinity binding with endothelin-3. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994, 1223, 202-208.	4.1	10
1309	Mutational analysis of antistasin, an inhibitor of blood coagulation factor Xa derived from the Mexican leech <i>Haementeria officinalis</i> . <i>Thrombosis Research</i> , 1994, 75, 41-50.	1.7	19
1310	Deletion mutants of human interleukin 1 $\beta$ with significantly reduced agonist properties: Search for the agonist/antagonist switch in ligands to the interleukin 1 receptors. <i>Cytokine</i> , 1994, 6, 206-214.	3.2	22
1311	Domain interactions and connecting peptides in lens crystallins. <i>Journal of Molecular Biology</i> , 1994, 235, 84-88.	4.2	70
1312	Analysis of functional domains of the packaging proteins of bacteriophage T3 by site-directed mutagenesis. <i>Journal of Molecular Biology</i> , 1994, 235, 248-259.	4.2	29
1313	Investigation of the interaction between the class I MHC-related Fc receptor and its immunoglobulin G ligand. <i>Immunity</i> , 1994, 1, 303-315.	14.3	144
1314	Trk receptors use redundant signal transduction pathways involving SHC and PLC- $\beta$ 1 to mediate NGF responses. <i>Neuron</i> , 1994, 12, 691-705.	8.1	520
1315	A constitutively active form of CREB can activate expression of the rat prolactin promoter in non-pituitary cells. <i>Molecular and Cellular Endocrinology</i> , 1994, 101, R25-R30.	3.2	16
1316	Expression of the $\beta$ 2-macroglobulin-encoding gene in rat brain and cultured astrocytes. <i>Gene</i> , 1994, 141, 155-162.	2.2	28
1317	Overproduction and purification of biologically active native fungal $\beta$ -sarcin in <i>Escherichia coli</i> . <i>Gene</i> , 1994, 142, 147-151.	2.2	64

#	ARTICLE	IF	CITATIONS
1318	Substitution of Arginine 719 for Glutamic Acid in Human Plasminogen Substantially Reduces Its Affinity for Streptokinase. <i>Biochemistry</i> , 1994, 33, 12042-12047.	2.5	18
1319	Sp1 sites in the mouse aprt gene promoter are required to prevent methylation of the CpG island.. <i>Genes and Development</i> , 1994, 8, 2282-2292.	5.9	539
1320	Expression of Thy-1/ lacZ fusion genes in the CNS of transgenic mice. <i>Molecular Brain Research</i> , 1994, 24, 261-274.	2.3	25
1321	Evidence for Involvement of the Carboxy Terminus of Helix 1 of Growth Hormone in Receptor Binding: Use of Charge Reversal Mutagenesis to Account for Calcium Dependence of Binding and for Design of Higher Affinity Analogs. <i>Biochemistry</i> , 1994, 33, 11724-11733.	2.5	15
1322	Genetic Identification of an Autoinhibitor in CDPK, a Protein Kinase with a Calmodulin-like Domain. <i>Biochemistry</i> , 1994, 33, 7267-7277.	2.5	195
1323	Changes in the Catalytic Properties of p-Hydroxybenzoate Hydroxylase Caused by the Mutation Asn300Asp. <i>Biochemistry</i> , 1994, 33, 1545-1554.	2.5	52
1324	.alpha.1-Proteinase Inhibitor Variant T345R. Influence of P14 Residue on Substrate and Inhibitory Pathways. <i>Biochemistry</i> , 1994, 33, 8538-8547.	2.5	112
1325	Structural Determinants of Enzymic Processivity. <i>Biochemistry</i> , 1994, 33, 6031-6037.	2.5	133
1326	Site-Directed Mutagenesis of Tyrosine-98 in the Flavodoxin from <i>Desulfovibrio vulgaris</i> (Hildenborough): Regulation of Oxidation-Reduction Properties of the Bound FMN Cofactor by Aromatic, Solvent, and Electrostatic Interactions. <i>Biochemistry</i> , 1994, 33, 8505-8514.	2.5	144
1327	Contribution to Global Protein Stabilization of the N-Capping Box in Human Growth Hormone. <i>Biochemistry</i> , 1994, 33, 9856-9864.	2.5	42
1328	Inactivation of Individual Ca <sup>2+</sup> -Binding Sites in the Paired EF-Hand Sites of Parvalbumin Reveals Asymmetrical Metal-Binding Properties. <i>Biochemistry</i> , 1994, 33, 10393-10400.	2.5	26
1329	Exon 11 of the rat cholesterol esterase gene encodes domains important for intracellular processing and bile salt-modulated activity of the protein. <i>Biochemistry</i> , 1994, 33, 3442-3448.	2.5	30
1330	Crystal Structures of Wild-Type p-Hydroxybenzoate Hydroxylase Complexed with 4-Aminobenzoate, 2,4-Dihydroxybenzoate, and 2-Hydroxy-4-aminobenzoate and of the Tyr222Ala Mutant Complexed with 2-Hydroxy-4-aminobenzoate. Evidence for a Proton Channel and a New Binding Mode of the Flavin Ring. <i>Biochemistry</i> , 1994, 33, 10161-10170.	2.5	119
1331	Prolyl 4-Hydroxylase: Defective Assembly of .alpha.-Subunit Mutants Indicates That Assembled .alpha.-Subunits Are Intramolecularly Disulfide Bonded. <i>Biochemistry</i> , 1994, 33, 14018-14025.	2.5	40
1332	The Acid/Base Catalyst in the Exoglucanase/Xylanase from <i>Cellulomonas fimi</i> Is Glutamic Acid 127: Evidence from Detailed Kinetic Studies of Mutants. <i>Biochemistry</i> , 1994, 33, 6371-6376.	2.5	152
1333	Identification of the Factor VIIa Binding Site on Tissue Factor by Homologous Loop Swap and Alanine Scanning Mutagenesis. <i>Biochemistry</i> , 1994, 33, 14003-14010.	2.5	48
1334	Secondary Structure of Fibronectin Type 1 and Epidermal Growth Factor Modules from Tissue-Type Plasminogen Activator by Nuclear Magnetic Resonance. <i>Biochemistry</i> , 1994, 33, 2422-2429.	2.5	23
1335	Probing the Role of Histidine-372 in Zinc Binding and the Catalytic Mechanism of <i>Escherichia coli</i> Alkaline Phosphatase by Site-Specific Mutagenesis. <i>Biochemistry</i> , 1994, 33, 2279-2284.	2.5	27

#	ARTICLE	IF	CITATIONS
1336	Properties of isolated recombinant N and C domains of chicken troponin C. <i>Biochemistry</i> , 1994, 33, 917-925.	2.5	63
1337	Ras effector-homolog region on Rac regulates protein associations in the neutrophil respiratory burst oxidase complex. <i>Biochemistry</i> , 1994, 33, 13431-13435.	2.5	47
1338	Properties of tyrosine 766 .fwdarw. serine mutant of Escherichia coli DNA polymerase I: Template-specific effects. <i>Biochemistry</i> , 1994, 33, 11868-11874.	2.5	8
1339	Four Aromatic Residues in the Active Center of Cyclodextrin Glucanotransferase from Alkalophilic Bacillus sp. 1011: Effects of Replacements on Substrate Binding and Cyclization Characteristics. <i>Biochemistry</i> , 1994, 33, 9929-9936.	2.5	78
1340	1,25-Dihydroxyvitamin D3 modulates phosphorylation of serine 205 in the human vitamin D receptor: site-directed mutagenesis of this residue promotes alternative phosphorylation. <i>Biochemistry</i> , 1994, 33, 4300-4311.	2.5	72
1341	Lysine 182 of Endothelin B Receptor Modulates Agonist Selectivity and Antagonist Affinity: Evidence for the Overlap of Peptide and Non-peptide Ligand Binding Sites. <i>Biochemistry</i> , 1994, 33, 14543-14549.	2.5	26
1342	Thermodynamics of the Equilibrium Unfolding of Oxidized and Reduced Saccharomyces cerevisiae Iso-1-cytochromes c. <i>Biochemistry</i> , 1994, 33, 10556-10560.	2.5	21
1343	Value of General Acid-Base Catalysis to Ribonuclease A. <i>Journal of the American Chemical Society</i> , 1994, 116, 5467-5468.	13.7	140
1344	Catalysis of RNA Cleavage by a Ribozyme Derived from the Group I Intron of Anabaena Pre-tRNA <sup>Leu</sup> . <i>Biochemistry</i> , 1994, 33, 14935-14947.	2.5	35
1345	Glycosylation of Shaker Potassium Channel Protein in Insect Cell Culture and in Xenopus Oocytes. <i>Biochemistry</i> , 1994, 33, 5607-5613.	2.5	126
1346	Attractant- and Disulfide-Induced Conformational Changes in the Ligand Binding Domain of the Chemotaxis Aspartate Receptor: A 19F NMR Study. <i>Biochemistry</i> , 1994, 33, 6100-6109.	2.5	69
1347	The D-E Region of the D1 Protein is Involved in Multiple Quinone and Herbicide Interactions in Photosystem II. <i>Biochemistry</i> , 1994, 33, 10501-10507.	2.5	53
1348	Zinc Chelation and Structural Stability of Adenylate Kinase from Bacillus subtilis. <i>Biochemistry</i> , 1994, 33, 9960-9967.	2.5	41
1349	A Molecular Wedge for Triggering the Amidotransferase Activity of Carbamoyl Phosphate Synthetase. <i>Biochemistry</i> , 1994, 33, 2945-2950.	2.5	41
1350	Enhanced rates of subpicosecond energy transfer in blue-shifted light-harvesting LH2 mutants of Rhodobacter sphaeroides.. <i>Biochemistry</i> , 1994, 33, 8300-8305.	2.5	66
1351	Replacement of catalytic histidine-195 of chloramphenicol acetyltransferase: Evidence for a general base role for glutamate. <i>Biochemistry</i> , 1994, 33, 1944-1950.	2.5	76
1352	Mechanistic Studies of an Antibody-Catalyzed Elimination Reaction. <i>Journal of the American Chemical Society</i> , 1994, 116, 2261-2270.	13.7	59
1353	Functions of Individual .gamma.-Carboxyglutamic Acid (Gla) Residues of Human Protein C. Determination of Functionally Nonessential Gla Residues and Correlations with Their Mode of Binding to Calcium. <i>Biochemistry</i> , 1994, 33, 14993-15000.	2.5	31

#	ARTICLE	IF	CITATIONS
1354	Structural Analysis of Inositol Monophosphatase Complexes with Substrates. <i>Biochemistry</i> , 1994, 33, 9460-9467.	2.5	90
1355	Expression of Recombinant Monomer Hemoglobins (Component IV) from the Marine Annelid <i>Glycera dibranchiata</i> : Evidence for Primary Sequence Positional Regulation of Heme Rotational Disorder. <i>Biochemistry</i> , 1994, 33, 10337-10344.	2.5	12
1356	A library of yeast genomic MCM1 binding sites contains genes involved in cell cycle control, cell wall and membrane structure, and metabolism.. <i>Molecular and Cellular Biology</i> , 1994, 14, 348-359.	2.3	80
1357	Coaxially stacked RNA helices in the catalytic center of the <i>Tetrahymena</i> ribozyme. <i>Science</i> , 1994, 265, 1709-1712.	12.6	76
1358	Effect on ligand binding of arginine mutations in recombinant rat liver fatty acid-binding protein. <i>Biochemical Journal</i> , 1994, 297, 103-107.	3.7	52
1359	Identification of serines-967/968 in the juxtamembrane region of the insulin receptor as insulin-stimulated phosphorylation sites. <i>Biochemical Journal</i> , 1994, 298, 471-477.	3.7	31
1360	Substitutions for Glu-537 of $\beta$ -galactosidase from <i>Escherichia coli</i> cause large decreases in catalytic activity. <i>Biochemical Journal</i> , 1994, 299, 527-531.	3.7	42
1361	Site-directed mutagenesis of $\beta$ -lactamase I: role of Glu-166. <i>Biochemical Journal</i> , 1994, 299, 671-678.	3.7	47
1362	Characterization of binding and structural properties of rat liver fatty-acid-binding protein using tryptophan mutants. <i>Biochemical Journal</i> , 1994, 300, 827-833.	3.7	29
1363	The catalytic role of aspartate in the active site of glutamate dehydrogenase. <i>Biochemical Journal</i> , 1994, 301, 13-16.	3.7	32
1364	Substitution of asparagine residues in <i>Aspergillus awamori</i> glucoamylase by site-directed mutagenesis to eliminate N-glycosylation and inactivation by deamidation. <i>Biochemical Journal</i> , 1994, 301, 275-281.	3.7	66
1365	Alteration of intracellular $Ca^{2+}$ transients in COS-7 cells transfected with the cDNA encoding skeletal-muscle ryanodine receptor carrying a mutation associated with malignant hyperthermia. <i>Biochemical Journal</i> , 1994, 301, 661-665.	3.7	67
1366	Deletion of the propeptide of apolipoprotein A-I impairs exit of nascent apolipoprotein A-I from the endoplasmic reticulum. <i>Biochemical Journal</i> , 1994, 302, 641-648.	3.7	16
1367	Site-directed mutagenesis of proposed active-site residues of penicillin-binding protein 5 from <i>Escherichia coli</i> . <i>Biochemical Journal</i> , 1994, 303, 357-362.	3.7	37
1368	Interaction of procollagen I and other collagens with colligin. <i>Biochemical Journal</i> , 1994, 304, 61-68.	3.7	18
1369	Bacterial expression of Chinese hamster regulatory type-I and catalytic subunits of cyclic AMP-dependent protein kinase and mutational analysis of the type-I regulatory subunit. <i>Biochemical Journal</i> , 1994, 297, 79-85.	3.7	5
1370	YscN, the putative energizer of the <i>Yersinia</i> Yop secretion machinery. <i>Journal of Bacteriology</i> , 1994, 176, 1561-1569.	2.2	231
1371	Identification of FtsW and characterization of a new ftsW division mutant of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1994, 176, 7140-7147.	2.2	71

#	ARTICLE	IF	CITATIONS
1372	Escherichia coli Fis and DnaA proteins bind specifically to the nrd promoter region and affect expression of an nrd-lac fusion. Journal of Bacteriology, 1994, 176, 378-387.	2.2	73
1373	Molecular characterization of the extracellular poly(3-hydroxyoctanoic acid) [P(3HO)] depolymerase gene of Pseudomonas fluorescens GK13 and of its gene product. Journal of Bacteriology, 1994, 176, 7065-7073.	2.2	71
1374	Lck-dependent tyrosyl phosphorylation of the phosphotyrosine phosphatase SH-PTP1 in murine T cells.. Molecular and Cellular Biology, 1994, 14, 1824-1834.	2.3	159
1375	Phospholipase C-gamma 1 can induce DNA synthesis by a mechanism independent of its lipase activity.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6554-6558.	7.1	98
1376	CIRCE, a novel heat shock element involved in regulation of heat shock operon dnaK of Bacillus subtilis. Journal of Bacteriology, 1994, 176, 1359-1363.	2.2	306
1377	The importance of four histidine residues in isocitrate lyase from Escherichia coli. Journal of Bacteriology, 1994, 176, 927-931.	2.2	32
1378	Transcription of satellite 2 DNA from the newt is driven by a snRNA type of promoter. Nucleic Acids Research, 1994, 22, 4697-4704.	14.5	26
1379	Mechanism of inositol monophosphatase, the putative target of lithium therapy.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5766-5770.	7.1	115
1380	Tyr-129 is important to the peptide ligand affinity and selectivity of human endothelin type A receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 7164-7168.	7.1	50
1381	Maf nuclear oncoprotein recognizes sequences related to an AP-1 site and forms heterodimers with both Fos and Jun.. Molecular and Cellular Biology, 1994, 14, 700-712.	2.3	410
1382	Transcriptional regulation of the phosphoenolpyruvate carboxykinase gene by cooperation between hepatic nuclear factors.. Molecular and Cellular Biology, 1994, 14, 7124-7133.	2.3	48
1383	Identification and characterization by antisense oligonucleotides of exon and intron sequences required for splicing.. Molecular and Cellular Biology, 1994, 14, 7445-7454.	2.3	46
1384	Commitment of yeast pre-mRNA to the splicing pathway requires a novel U1 small nuclear ribonucleoprotein polypeptide, Prp39p.. Molecular and Cellular Biology, 1994, 14, 3623-3633.	2.3	59
1385	Tyrosine 569 in the c-Fms juxtamembrane domain is essential for kinase activity and macrophage colony-stimulating factor-dependent internalization.. Molecular and Cellular Biology, 1994, 14, 4843-4854.	2.3	30
1386	The Fps/Fes protein-tyrosine kinase promotes angiogenesis in transgenic mice.. Molecular and Cellular Biology, 1994, 14, 6755-6763.	2.3	91
1387	The Saccharomyces cerevisiae checkpoint gene BUB1 encodes a novel protein kinase.. Molecular and Cellular Biology, 1994, 14, 8282-8291.	2.3	215
1388	ATBF1, a multiple-homeodomain zinc finger protein, selectively down-regulates AT-rich elements of the human alpha-fetoprotein gene.. Molecular and Cellular Biology, 1994, 14, 1395-1401.	2.3	82
1389	Mutational analysis of ERCC3, which is involved in DNA repair and transcription initiation: identification of domains essential for the DNA repair function.. Molecular and Cellular Biology, 1994, 14, 4126-4134.	2.3	50



#	ARTICLE	IF	CITATIONS
1390	Functional differences between HOX proteins conferred by two residues in the homeodomain N-terminal arm.. Molecular and Cellular Biology, 1994, 14, 5066-5075.	2.3	47
1391	A cytoplasmic domain is important for the formation of a SecY-SecE translocator complex.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4539-4543.	7.1	65
1392	Identification of residues in the Mu transposase essential for catalysis.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6654-6658.	7.1	139
1393	Cleavage of the nascent transcript induced by TFIIS is insufficient to promote read-through of intrinsic blocks to elongation by RNA polymerase II.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 8087-8091.	7.1	43
1394	The lipA gene of Serratia marcescens which encodes an extracellular lipase having no N-terminal signal peptide. Journal of Bacteriology, 1994, 176, 1949-1956.	2.2	81
1395	Role of phosphorylation in desensitization of acetylcholine receptors expressed in Xenopus oocytes. Journal of Neuroscience, 1994, 14, 4185-4195.	3.6	64
1396	Mechanism of GTP hydrolysis by G-protein alpha subunits.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9828-9831.	7.1	108
1397	Elf-1 binds to a critical element in a second CD4 enhancer.. Molecular and Cellular Biology, 1994, 14, 6452-6463.	2.3	90
1398	A carbon source-responsive promoter element necessary for activation of the isocitrate lyase gene ICL1 is common to genes of the gluconeogenic pathway in the yeast Saccharomyces cerevisiae.. Molecular and Cellular Biology, 1994, 14, 3613-3622.	2.3	87
1399	Participation of Ets transcription factors in the glucocorticoid response of the rat tyrosine aminotransferase gene.. Molecular and Cellular Biology, 1994, 14, 4116-4125.	2.3	74
1400	Type 1 protein phosphatase acts in opposition to IpL1 protein kinase in regulating yeast chromosome segregation.. Molecular and Cellular Biology, 1994, 14, 4731-4740.	2.3	259
1401	Mutational analysis of yeast mRNA capping enzyme.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4328-4332.	7.1	68
1402	One disulfide bond in front of the second heavy chain constant region is necessary and sufficient for effector functions of human IgG3 without a genetic hinge.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9243-9247.	7.1	34
1403	A distinct segment of the sigma 32 polypeptide is involved in DnaK-mediated negative control of the heat shock response in Escherichia coli.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 10280-10284.	7.1	73
1404	Detection and classification of mutagens: a set of base-specific Salmonella tester strains.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 11606-11610.	7.1	111
1405	Interactions among three proteins that specifically activate translation of the mitochondrial COX3 mRNA in Saccharomyces cerevisiae.. Molecular and Cellular Biology, 1994, 14, 1045-1053.	2.3	74
1406	Characterization of a family of related cellular transcription factors which can modulate human immunodeficiency virus type 1 transcription in vitro.. Molecular and Cellular Biology, 1994, 14, 1776-1785.	2.3	108
1407	xUBF, an RNA polymerase I transcription factor, binds crossover DNA with low sequence specificity.. Molecular and Cellular Biology, 1994, 14, 2871-2882.	2.3	73

#	ARTICLE	IF	CITATIONS
1408	Modification of a hydrogen bond to a bacteriochlorophyll a molecule in the light-harvesting 1 antenna of <i>Rhodobacter sphaeroides</i> .. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 7124-7128.	7.1	116
1409	Function of NF-kappa B/Rel binding sites in the major histocompatibility complex class II invariant chain promoter is dependent on cell-specific binding of different NF-kappa B/Rel subunits.. Molecular and Cellular Biology, 1994, 14, 2926-2935.	2.3	64
1410	Mutations that alter ligand-induced switches and dimerization activities in the retinoid X receptor.. Molecular and Cellular Biology, 1994, 14, 4311-4323.	2.3	80
1411	Delineation of a region in the B2 bradykinin receptor that is essential for high-affinity agonist binding.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4417-4421.	7.1	59
1412	The transcription factor TFIIS zinc ribbon dipeptide Asp-Glu is critical for stimulation of elongation and RNA cleavage by RNA polymerase II.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9106-9110.	7.1	74
1413	Interaction between the N-terminal domain of the 230-kDa subunit and the TATA box-binding subunit of TFIID negatively regulates TATA-box binding.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 3520-3524.	7.1	76
1414	Identification of a B2 bradykinin receptor expressed by PC12 pheochromocytoma cells.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4412-4416.	7.1	32
1415	Analysis of the contribution of an amphiphilic alpha-helix to the structure and to the function of ricin A chain.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 7530-7533.	7.1	14
1416	Transcriptional activity of transcription factor IIE is dependent on zinc binding.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9529-9533.	7.1	25
1417	Characterization of three yeast copper-zinc superoxide dismutase mutants analogous to those coded for in familial amyotrophic lateral sclerosis.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9906-9910.	7.1	88
1418	Directing transcription of an RNA polymerase III gene via GAL4 sites.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 11938-11942.	7.1	20
1419	Immortalization-susceptible elements and their binding factors mediate rejuvenation of regulation of the type I collagenase gene in simian virus 40 large T antigen-transformed immortal human fibroblasts.. Molecular and Cellular Biology, 1994, 14, 7182-7194.	2.3	25
1420	MafB, a new Maf family transcription activator that can associate with Maf and Fos but not with Jun.. Molecular and Cellular Biology, 1994, 14, 7581-7591.	2.3	225
1421	Detection of the 3a Protein of Cucumber Mosaic Virus in a Cell Wall Fraction from Infected <i>Nicotiana clelandii</i> Plants. Journal of Phytopathology, 1994, 142, 317-323.	1.0	0
1422	The Orphan Receptor Hepatic Nuclear Factor 4 Functions as a Transcriptional Activator for Tissue-Specific and Hypoxia-Specific Erythropoietin Gene Expression and Is Antagonized by EAR3/COUP-TF1. Molecular and Cellular Biology, 1995, 15, 2135-2144.	2.3	193
1423	The erythroid KrÄ¼ppel-like factor transactivation domain is a critical component for cell-specific inducibility of a beta-globin promoter. Molecular and Cellular Biology, 1995, 15, 852-860.	2.3	124
1424	The G <sup>1</sup> /S Boundary-Specific Enhancer of the Rat <i>cdc2</i> Promoter. Molecular and Cellular Biology, 1995, 15, 2882-2892.	2.3	33
1425	Analysis of the Role of TFIIIE in Basal Transcription and TFIIH-Mediated Carboxy-Terminal Domain Phosphorylation through Structure-Function Studies of TFIIIE-Î±. Molecular and Cellular Biology, 1995, 15, 4856-4866.	2.3	344

#	ARTICLE	IF	CITATIONS
1426	Identification of residues linked to the slow→fast transition of thrombin.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 11185-11189.	7.1	51
1427	The BALB/c mouse B-cell response to pigeon cytochrome c initiates as a heteroclitic response specific for the self antigen mouse cytochrome c.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 12379-12383.	7.1	15
1428	Effective ribozyme delivery in plant cells.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6175-6179.	7.1	39
1429	Identification of four acidic amino acids that constitute the catalytic center of the RuvC Holliday junction resolvase.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 7470-7474.	7.1	92
1430	Molecular design of the N-methyl-D-aspartate receptor binding site for phencyclidine and dizolcipine.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 8021-8025.	7.1	49
1431	Regulation of Chromosome Segregation by Glc8P, a Structural Homolog of Mammalian Inhibitor 2 That Functions as both an Activator and an Inhibitor of Yeast Protein Phosphatase 1. Molecular and Cellular Biology, 1995, 15, 6064-6074.	2.3	100
1432	A highly active decarboxylating dehydrogenase with rationally inverted coenzyme specificity.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 11666-11670.	7.1	110
1433	The pre-S domain of the large viral envelope protein determines host range in avian hepatitis B viruses.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6259-6263.	7.1	79
1434	The ability to associate with activation domains in vitro is not required for the TATA box-binding protein to support activated transcription in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 10550-10554.	7.1	40
1435	A Skeletal Muscle-Specific Enhancer Regulated by Factors Binding to E and CArG Boxes Is Present in the Promoter of the Mouse Myosin Light-Chain 1A Gene. Molecular and Cellular Biology, 1995, 15, 4585-4596.	2.3	87
1436	3â€²-End-Forming Signals of Yeast mRNA. Molecular and Cellular Biology, 1995, 15, 5983-5990.	2.3	110
1437	Feedback Inhibition of the Yeast Ribosomal Protein Gene <i>CRY2</i> Is Mediated by the Nucleotide Sequence and Secondary Structure of <i>CRY2</i> Pre-mRNA. Molecular and Cellular Biology, 1995, 15, 6454-6464.	2.3	45
1438	Analysis of the Yeast Transcription Factor TFIIA: Distinct Functional Regions and a Polymerase II-Specific Role in Basal and Activated Transcription. Molecular and Cellular Biology, 1995, 15, 1234-1243.	2.3	96
1439	TFIIIB placement on a yeast U6 RNA gene in vivo is directed primarily by TFIIIC rather than by sequence-specific DNA contacts. Molecular and Cellular Biology, 1995, 15, 1455-1466.	2.3	69
1440	The <i>Saccharomyces cerevisiae MVP1</i> Gene Interacts with <i>VPS1</i> and Is Required for Vacuolar Protein Sorting. Molecular and Cellular Biology, 1995, 15, 1671-1678.	2.3	78
1441	Mechanisms for Flexibility in DNA Sequence Recognition and VP16-Induced Complex Formation by the Oct-1 POU Domain. Molecular and Cellular Biology, 1995, 15, 2090-2100.	2.3	63
1442	Studies of Point Mutants Define Three Essential Paired Nucleotides in the Domain 5 Substructure of a Group II Intron. Molecular and Cellular Biology, 1995, 15, 4479-4488.	2.3	71
1443	Two different mechanisms mediate catabolite repression of the Bacillus subtilis levanase operon. Journal of Bacteriology, 1995, 177, 6919-6927.	2.2	129

#	ARTICLE	IF	CITATIONS
1444	Synthesis of pyrroloquinoline quinone in vivo and in vitro and detection of an intermediate in the biosynthetic pathway. <i>Journal of Bacteriology</i> , 1995, 177, 5088-5098.	2.2	106
1445	A consensus promoter sequence for <i>Caulobacter crescentus</i> genes involved in biosynthetic and housekeeping functions. <i>Journal of Bacteriology</i> , 1995, 177, 4372-4376.	2.2	58
1446	A polypurine sequence that acts as a 5' mRNA stabilizer in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1995, 177, 3465-3471.	2.2	48
1447	[22] Mutational analysis of bacteriophage $\phi$ 29 DNA polymerase. <i>Methods in Enzymology</i> , 1995, 262, 283-294.	1.0	39
1448	Multiple Regions of Yeast Ribosomal Protein L1 Are Important for Its Interaction with 5 S rRNA and Assembly into Ribosomes. <i>Journal of Biological Chemistry</i> , 1995, 270, 30148-30156.	3.4	43
1449	Structure-Function Analysis of the p35 Subunit of Mouse Interleukin 12. <i>Journal of Biological Chemistry</i> , 1995, 270, 5864-5871.	3.4	33
1450	Cellobiohydrolase B, a second exo-cellobiohydrolase from the cellulolytic bacterium <i>Cellulomonas fimi</i> . <i>Biochemical Journal</i> , 1995, 311, 67-74.	3.7	71
1451	Conformational changes and in vitro core-formation modifications induced by site-directed mutagenesis of the specific N-terminus of pea seed ferritin. <i>Biochemical Journal</i> , 1995, 305, 959-965.	3.7	34
1452	Mutagenic structure/function analysis of the cytoplasmic cysteines of the insulin receptor. <i>Biochemical Journal</i> , 1995, 306, 811-820.	3.7	11
1453	Production and comparison of mature single-domain $\alpha$ -trefoil peptides pNR-2/pS2 Cys58 and pNR-2/pS2 Ser58. <i>Biochemical Journal</i> , 1995, 308, 1001-1007.	3.7	34
1454	Rat thimet oligopeptidase: large-scale expression in <i>Escherichia coli</i> and characterization of the recombinant enzyme. <i>Biochemical Journal</i> , 1995, 309, 203-207.	3.7	10
1455	Substitution of histidine-137 by glutamine abolishes the catalytic activity of the ribosome-inactivating protein $\alpha$ -sarcin. <i>Biochemical Journal</i> , 1995, 309, 581-586.	3.7	33
1456	Polymorphism of the yeast pyruvate carboxylase 2 gene and protein: effects on protein biotinylation. <i>Biochemical Journal</i> , 1995, 312, 817-825.	3.7	24
1457	Overproduction, Purification, and Diagnostic Use of the Recombinant HIV-1 Gag Proteins, the Precursor Protein p55 and the Processed Products p17, p24, and p15. <i>Microbiology and Immunology</i> , 1995, 39, 473-483.	1.4	7
1458	Molecular Characterization of Ste20p, a Potential Mitogen-activated Protein or Extracellular Signal-regulated Kinase Kinase (MEK) Kinase Kinase from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 15984-15992.	3.4	171
1459	Cloning and characterization of the A-factor receptor gene from <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , 1995, 177, 6083-6092.	2.2	134
1460	Insulin stimulates the kinase activity of RAC-PK, a pleckstrin homology domain containing ser/thr kinase.. <i>EMBO Journal</i> , 1995, 14, 4288-4295.	7.8	311
1461	Oxygen control of the <i>Bradyrhizobium japonicum</i> hemA gene. <i>Journal of Bacteriology</i> , 1995, 177, 3979-3984.	2.2	46

#	ARTICLE	IF	CITATIONS
1462	[24] Estimation of genetic heterogeneity in primate T-cell lymphoma/leukemia viruses by PCR. Methods in Neurosciences, 1995, , 358-380.	0.5	0
1463	[23] Rationale for mutagenesis of DNA polymerase active sites: DNA polymerase $\beta$ . Methods in Enzymology, 1995, 262, 294-303.	1.0	8
1464	Chapter 78 Epitope Tagging of Flagellar Proteins. Methods in Cell Biology, 1995, 47, 545-550.	1.1	2
1465	[19] New methods to study poliovirus assembly and encapsidation of genomic RNA. Methods in Molecular Genetics, 1995, , 299-314.	0.6	1
1466	Probing the roles of conserved histidine residues in $\beta$ -galactosidase (E. coli) using site directed mutagenesis and transition state analog inhibition. Techniques in Protein Chemistry, 1995, 6, 365-371.	0.3	0
1467	Determination of oestrogen responsiveness of breast cancer by competitive reverse transcription-polymerase chain reaction. British Journal of Cancer, 1995, 72, 1427-1434.	6.4	16
1468	Mutant rat phosphatidylinositol/phosphatidylcholine transfer proteins specifically defective in phosphatidylinositol transfer: implications for the regulation of phospholipid transfer activity.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 8826-8830.	7.1	60
1469	Expression studies of catalytic antibodies.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 11907-11911.	7.1	88
1470	Mutations Altering the Mitochondrial-Cytoplasmic Distribution of Mod5p Implicate the Actin Cytoskeleton and mRNA 3' Ends and/or Protein Synthesis in Mitochondrial Delivery. Molecular and Cellular Biology, 1995, 15, 6884-6894.	2.3	79
1471	Initiation of translation can occur only in a restricted region of the CYC1 mRNA of <i>Saccharomyces cerevisiae</i> . Molecular and Cellular Biology, 1995, 15, 1021-1033.	2.3	29
1472	A Myc-Associated Zinc Finger Protein Binding Site Is One of Four Important Functional Regions in the CD4 Promoter. Molecular and Cellular Biology, 1995, 15, 3179-3186.	2.3	72
1473	Analysis of the <i>Saccharomyces cerevisiae</i> Mitochondrial COX3 mRNA 5' Untranslated Leader: Translational Activation and mRNA Processing. Molecular and Cellular Biology, 1995, 15, 3291-3300.	2.3	42
1474	Functional Differences and Interactions among the Putative RecA Homologs Rad51, Rad55, and Rad57. Molecular and Cellular Biology, 1995, 15, 4843-4850.	2.3	229
1475	[28] Structure-function analysis of 3' $\rightarrow$ 5'-exonuclease of DNA polymerases. Methods in Enzymology, 1995, 262, 363-385.	1.0	58
1476	Mutational sensitivity patterns define critical residues in the palm subdomain of the reverse transcriptase of human immunodeficiency virus type 1. Nucleic Acids Research, 1995, 23, 803-810.	14.5	45
1477	Redundant 3' end-forming signals for the yeast CYC1 mRNA.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 4211-4214.	7.1	38
1478	A secondary-structure model for the self-cleaving region of <i>Neurospora</i> VS RNA.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 4686-4690.	7.1	96
1479	Phosphatidylinositol 3-kinase signals activation of p70 S6 kinase in situ through site-specific p70 phosphorylation.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 5744-5748.	7.1	206

#	ARTICLE	IF	CITATIONS
1480	Role of aromatic residues in stabilization of the [Fe4S4] cluster in high-potential iron proteins (HiPIPs): physical characterization and stability studies of Tyr-19 mutants of Chromatium vinosum HiPIP.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 9440-9444.	7.1	52
1481	Effects of receptor dimerization on the interaction between the class I major histocompatibility complex-related Fc receptor and IgG.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 11200-11204.	7.1	58
1482	G10BP, an E1A-Inducible Negative Regulator of Sp1, Represses Transcription of the Rat Fibronectin Gene. Molecular and Cellular Biology, 1995, 15, 5423-5433.	2.3	34
1483	<i>SCS1</i>, a Multicopy Suppressor of <i>hsp60-ts</i> Mutant Alleles, Does Not Encode a Mitochondrially Targeted Protein. Molecular and Cellular Biology, 1995, 15, 5618-5626.	2.3	41
1484	Dual functions of the AML1/Evi-1 chimeric protein in the mechanism of leukemogenesis in t(3;21) leukemias. Molecular and Cellular Biology, 1995, 15, 2383-2392.	2.3	106
1485	The Nonreceptor Protein-Tyrosine Kinase CSK Complexes Directly with the GTPase-Activating Protein-Associated p62 Protein in Cells Expressing v-Src or Activated c-Src. Molecular and Cellular Biology, 1995, 15, 4908-4920.	2.3	75
1486	Dissection of a retrovirus envelope protein reveals structural similarity to influenza hemagglutinin. Current Biology, 1995, 5, 1377-1383.	3.9	81
1487	Structural comparison of the free and DNA-bound forms of the purine repressor DNA-binding domain. Structure, 1995, 3, 1217-1224.	3.3	51
1488	Inter-Species DNA Polymerase delta Chimeras are Functional in Saccharomyces Cerevisiae. FEBS Journal, 1995, 231, 45-49.	0.2	3
1489	GTP Hydrolysis by HypB is Essential for Nickel Insertion into Hydrogenases of Escherichia Coli. FEBS Journal, 1995, 230, 133-138.	0.2	128
1490	Structure and Function of Mutant Arg44Lys of 4-Hydroxybenzoate Hydroxylase. Implications for NADPH Binding. FEBS Journal, 1995, 231, 157-165.	0.2	19
1491	Separable Binding Sites for the Natural Agonist Endothelin-1 and the Non-Peptide Antagonist Bosentan on Human Endothelin-A Receptors. FEBS Journal, 1995, 231, 266-270.	0.2	11
1492	Mutations at the C-Terminal Isoleucine and Other Potential Iron Ligands of 5-Lipoxygenase. FEBS Journal, 1995, 230, 401-407.	0.2	60
1493	High-level Production, Chemical Modification and Site-directed Mutagenesis of a Cephalosporin C Acylase from Pseudomonas Strain N176. FEBS Journal, 1995, 230, 773-778.	0.2	37
1494	Mutations at Positions 11 and 60 of Insulin-Like Growth Factor 1 Reveal Differences between its Interactions with the Type I Insulin-Like-Growth-Factor Receptor and the Insulin Receptor. FEBS Journal, 1995, 233, 299-309.	0.2	18
1495	Changing the Reaction Specificity of a Pyridoxal-5'-phosphate-dependent Enzyme. FEBS Journal, 1995, 232, 686-690.	0.2	8
1496	NMR-Based Structural Studies of the pNR-2/pS2 Single Domain Trefoil Peptide. Similarities to Porcine Spasmolytic Peptide and Evidence for a Monomeric Structure. FEBS Journal, 1995, 233, 847-855.	0.2	18
1497	The basic isoform of profilin in pathogenic Entamoeba histolytica. cDNA Cloning, Heterologous Expression, and Actin-Binding Properties. FEBS Journal, 1995, 233, 976-981.	0.2	27



#	ARTICLE	IF	CITATIONS
1498	Identification of Sp1-binding sites in the CD11c (p150,95 $\pm$ ) and CD11a (LFA-1 $\pm$ ) integrin subunit promoters and their involvement in the tissuespecific expression of CD11c. <i>European Journal of Immunology</i> , 1995, 25, 3496-3503.	2.9	36
1499	$\beta$ -Tubulin mutation suppresses microtubule dynamics in vitro and slows mitosis in vivo. <i>Cytoskeleton</i> , 1995, 30, 285-300.	4.4	23
1500	A combinatorial method for constructing libraries of long peptides displayed by filamentous phage. <i>Molecular Diversity</i> , 1995, 1, 39-52.	3.9	14
1501	Extensive modifications for methionine enhancement in the $\beta$ -barrels do not alter the structural stability of the bean seed storage protein phaseolin. <i>The Protein Journal</i> , 1995, 14, 665-678.	1.1	10
1502	Cold stability of pyruvate, orthophosphate dikinase of <i>Flaveria brownii</i> . <i>Plant Molecular Biology</i> , 1995, 27, 969-980.	3.9	31
1503	Mutation of two conserved arginine residues in the glucose transporter GLUT4 supresses transport activity, but not glucose-inhibitable binding of inhibitory ligands. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1995, 353, 36-41.	3.0	13
1504	Cloning and expression of an <i>Aspergillus kawachii</i> endo-1,4- $\beta$ -xylanase gene in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 1995, 28, 467-473.	1.7	63
1505	Molecular cloning of Rab-related genes in the yeast <i>Yarrowia lipolytica</i> . Analysis of RYL1, an essential gene encoding a SEC4 homologue. <i>Current Genetics</i> , 1995, 27, 123-130.	1.7	14
1506	Transcriptional control of the <i>Saccharomyces cerevisiae</i> ADH1 gene by autonomously replicating sequence binding factor 1. <i>Current Microbiology</i> , 1995, 31, 163-168.	2.2	9
1507	Evidence that two zinc fingers in the methionine aminopeptidase from <i>Saccharomyces cerevisiae</i> are important for normal growth. <i>Molecular Genetics and Genomics</i> , 1995, 246, 247-253.	2.4	57
1508	Positive and negative elements involved in the differential regulation by heme and oxygen of the HEM13 gene (coproporphyrinogen oxidase) in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 1995, 28, 503-511.	1.7	27
1509	Targeted mutagenesis identifies Asp-569 as a catalytically critical residue in T7 RNA polymerase. <i>Molecular Genetics and Genomics</i> , 1995, 247, 110-113.	2.4	8
1510	Affinities of phosphorylated substrates for the <i>E. coli</i> tryptophan synthase $\beta$ -subunit: Roles of Ser-235 and helix-8 $\alpha$ dipole. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995, 21, 130-139.	2.6	12
1511	<i>Saccharomyces cerevisiae</i> mRNA 3' end forming signals are also involved in transcription termination. <i>Yeast</i> , 1995, 11, 447-453.	1.7	26
1512	In vivo cloning by homologous recombination in yeast using a two-plasmid-based system. <i>Yeast</i> , 1995, 11, 629-640.	1.7	28
1513	IV. Yeast sequencing reports. GUF1, a gene encoding a novel evolutionarily conserved gtpase in budding yeast. <i>Yeast</i> , 1995, 11, 1311-1316.	1.7	22
1514	Redesign of the substrate specificity of <i>Escherichia coli</i> aspartate aminotransferase to that of <i>Escherichia coli</i> tyrosine aminotransferase by homology modeling and site-directed mutagenesis. <i>Protein Science</i> , 1995, 4, 1750-1757.	7.6	79
1515	Identification of iron ligands in tyrosine hydroxylase by mutagenesis of conserved histidyl residues. <i>Protein Science</i> , 1995, 4, 2082-2086.	7.6	50

#	ARTICLE	IF	CITATIONS
1516	Activation of the transcriptional regulator XylR of <i>Pseudomonas putida</i> by release of repression between functional domains. <i>Molecular Microbiology</i> , 1995, 16, 205-213.	2.5	139
1517	The tyrosine-6 hydroxyl of $\phi$ 80 resolvase is not required for the DNA cleavage and rejoining reactions. <i>Molecular Microbiology</i> , 1995, 15, 865-870.	2.5	27
1518	IHF- and RpoN-dependent regulation c hydrogenase expression in <i>Bradyrhizobium japonicum</i> . <i>Molecular Microbiology</i> , 1995, 16, 405-413.	2.5	32
1519	Activation of a temporally regulated <i>Caulobacter</i> promoter by upstream and downstream sequence elements. <i>Molecular Microbiology</i> , 1995, 16, 279-289.	2.5	16
1520	Binding Epitope of Somatostatin Defined by Phage-Displayed Peptide Libraries. <i>Nature Biotechnology</i> , 1995, 13, 165-169.	17.5	19
1521	Double Replacement Gene Targeting for the Production of a Series of Mouse Strains with Different Prion Protein Gene Alterations. <i>Nature Biotechnology</i> , 1995, 13, 999-1004.	17.5	51
1522	Bipartite structure of the $\beta$ -lactalbumin molten globule. <i>Nature Structural and Molecular Biology</i> , 1995, 2, 281-286.	8.2	157
1523	Staphylococcal enterotoxins A and B share a common structural motif for binding class II major histocompatibility complex molecules. <i>Nature Structural Biology</i> , 1995, 2, 554-560.	9.7	68
1524	A trimeric structural domain of the HIV-1 transmembrane glycoprotein. <i>Nature Structural and Molecular Biology</i> , 1995, 2, 1075-1082.	8.2	694
1525	Effects of mutations and deletions on expression of the <i>Enterobacter cloacae</i> ompX gene. <i>FEMS Microbiology Letters</i> , 1995, 130, 63-68.	1.8	2
1526	Bifunctional activity labels for selection of filamentous bacteriophages displaying enzymes. <i>Bioorganic and Medicinal Chemistry</i> , 1995, 3, 907-915.	3.0	22
1527	IS1-encoded proteins, InsA and the InsA-B $\phi$ -InsB transframe protein (transposase): Functions deduced from their DNA-binding ability. <i>Advances in Biophysics</i> , 1995, 31, 209-222.	0.5	15
1528	Production of recombinant cytochrome c-551 in a <i>Pseudomonas aeruginosa</i> mutant strain. <i>Journal of Bioscience and Bioengineering</i> , 1995, 79, 489-492.	0.9	13
1529	Mutants of d-aminopeptidase with increased thermal stability. <i>Journal of Bioscience and Bioengineering</i> , 1995, 79, 614-616.	0.9	13
1530	Molecular analysis of two hexokinase isoenzymes from <i>Entamoeba histolytica</i> . <i>Molecular and Biochemical Parasitology</i> , 1995, 73, 189-198.	1.1	17
1531	Mutations of <i>Arabidopsis thaliana</i> pre-tRNA <sup>Tyr</sup> affecting pseudouridylation of U35. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995, 1264, 87-92.	2.4	11
1532	Reactive site mutants of recombinant protein C inhibitor. <i>BBA - Proteins and Proteomics</i> , 1995, 1246, 29-33.	2.1	18
1533	Complementary roles of mutations at positions 69 and 242 in a class A $\beta$ -lactamase. <i>BBA - Proteins and Proteomics</i> , 1995, 1247, 113-120.	2.1	26

#	ARTICLE	IF	CITATIONS
1534	Î²-Lactamase mutations far from the active site influence inhibitor binding. BBA - Proteins and Proteomics, 1995, 1247, 121-125.	2.1	36
1535	Preparation by site-directed mutagenesis and characterization of the E211Q mutant of yeast enolase 1. BBA - Proteins and Proteomics, 1995, 1251, 23-31.	2.1	15
1536	Mutation in the interdomain tether influences the stability and refolding of the enzyme rhodanese. BBA - Proteins and Proteomics, 1995, 1252, 165-171.	2.1	3
1537	Evidence for a mixed-ligand [4Fe-4S] cluster in the C14D mutant of PsaC. Altered reduction potentials and EPR spectral properties of the FA and FB clusters on rebinding to the P700-FX core. Biochemistry, 1995, 34, 7861-7868.	2.5	50
1538	Precise large deletions by the PCR-based overlap extension method. Molecular Biotechnology, 1995, 4, 13-5.	2.4	69
1539	A Similar DNA-binding Motif in NFAT Family Proteins and the Rel Homology Region. Journal of Biological Chemistry, 1995, 270, 4138-4145.	3.4	126
1540	Tyrosine phosphorylation of the erythropoietin receptor: role for differentiation and mitogenic signal transduction. Blood, 1995, 86, 598-606.	1.4	56
1541	Identification of active site residues by site-directed mutagenesis of delta 5-3-ketosteroid isomerase from Pseudomonas putida biotype B. Journal of Bacteriology, 1995, 177, 2602-2605.	2.2	37
1542	Membrane insertion of the bacterial signal transduction protein ToxR and requirements of transcription activation studied by modular replacement of different protein substructures.. EMBO Journal, 1995, 14, 3895-3904.	7.8	68
1543	Functional analysis of the chromo domain of HP1.. EMBO Journal, 1995, 14, 3977-3986.	7.8	238
1544	Ecdysone regulation of the Drosophila Sgs-4 gene is mediated by the synergistic action of ecdysone receptor and SEBP 3.. EMBO Journal, 1995, 14, 716-726.	7.8	62
1545	Regulation of Phosphatidylinositol 3-kinase by Tyrosyl Phosphoproteins. Journal of Biological Chemistry, 1995, 270, 3662-3666.	3.4	210
1546	Functionality and specific membrane localization of transport GTPases carrying C-terminal membrane anchors of synaptobrevin-like proteins.. EMBO Journal, 1995, 14, 3645-3653.	7.8	41
1547	A mutation in the C31 subunit of Saccharomyces cerevisiae RNA polymerase III affects transcription initiation.. EMBO Journal, 1995, 14, 351-359.	7.8	93
1548	Agrobacterium tumefaciens VirB11 protein requires a consensus nucleotide-binding site for function in virulence. Journal of Bacteriology, 1995, 177, 27-36.	2.2	68
1549	The PMR2 gene cluster encodes functionally distinct isoforms of a putative Na <sup>+</sup> pump in the yeast plasma membrane.. EMBO Journal, 1995, 14, 3870-3882.	7.8	176
1550	Temporal and spatial regulation of fliP, an early flagellar gene of Caulobacter crescentus that is required for motility and normal cell division. Journal of Bacteriology, 1995, 177, 3656-3667.	2.2	27
1551	sigma E changed to sigma B specificity by amino acid substitutions in its -10 binding region. Journal of Bacteriology, 1995, 177, 6506-6509.	2.2	10

#	ARTICLE	IF	CITATIONS
1552	Lack of an Effect of the Efficiency of RNA 3'-End Formation on the Efficiency of Removal of Either the Final or the Penultimate Intron in Intact Cells. <i>Molecular and Cellular Biology</i> , 1995, 15, 488-496.	2.3	17
1553	Transducin-alpha C-terminal mutations prevent activation by rhodopsin: a new assay using recombinant proteins expressed in cultured cells.. <i>EMBO Journal</i> , 1995, 14, 4460-4469.	7.8	91
1554	Involvement of the MAP kinase cascade in <i>Xenopus</i> mesoderm induction.. <i>EMBO Journal</i> , 1995, 14, 2491-2498.	7.8	133
1555	Molecular Determinants Conferring $\hat{\pm}$ -Toxin Resistance in Recombinant DNA-derived Acetylcholine Receptors. <i>Journal of Biological Chemistry</i> , 1995, 270, 4165-4171.	3.4	20
1556	Specific binding of <i>Synechococcus</i> sp. strain PCC 7942 proteins to the enhancer element of <i>psbAII</i> required for high-light-induced expression. <i>Journal of Bacteriology</i> , 1995, 177, 508-516.	2.2	38
1557	Sequences determining the cytoplasmic localization of a chemoreceptor domain. <i>Journal of Bacteriology</i> , 1995, 177, 2315-2320.	2.2	8
1558	Structurally Related but Functionally Distinct Yeast Sm D Core Small Nuclear Ribonucleoprotein Particle Proteins. <i>Molecular and Cellular Biology</i> , 1995, 15, 445-455.	2.3	66
1559	The <i>Saccharomyces cerevisiae</i> Leu3 protein activates expression of <i>GDH1</i> , a key gene in nitrogen assimilation. <i>Molecular and Cellular Biology</i> , 1995, 15, 52-57.	2.3	57
1560	Sites required for GltC-dependent regulation of <i>Bacillus subtilis</i> glutamate synthase expression. <i>Journal of Bacteriology</i> , 1995, 177, 5686-5695.	2.2	47
1561	Crystal structure of the phosphatidylinositol-specific phospholipase C from <i>Bacillus cereus</i> in complex with myo-inositol.. <i>EMBO Journal</i> , 1995, 14, 3855-3863.	7.8	154
1562	Protein ligands of the human adenovirus type 2 outer capsid identified by biopanning of a phage-displayed peptide library on separate domains of wild-type and mutant penton capsomers.. <i>EMBO Journal</i> , 1995, 14, 4714-4727.	7.8	70
1563	The old exonuclease of bacteriophage P2. <i>Journal of Bacteriology</i> , 1995, 177, 497-501.	2.2	31
1564	Tyrosine 114 is essential for the trimeric structure and the functional activities of human proliferating cell nuclear antigen.. <i>EMBO Journal</i> , 1995, 14, 5745-5751.	7.8	61
1565	Determinants of Thrombin Receptor Cleavage. RECEPTOR DOMAINS INVOLVED, SPECIFICITY, AND ROLE OF THE P3 ASPARTATE. <i>Journal of Biological Chemistry</i> , 1995, 270, 16435-16440.	3.4	63
1566	Aerobic inactivation of fumarate reductase from <i>Escherichia coli</i> by mutation of the [3Fe-4S]-quinone binding domain. <i>Journal of Bacteriology</i> , 1995, 177, 4587-4592.	2.2	34
1567	Residues Important for Radical Stability in Ribonucleotide Reductase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 6570-6576.	3.4	62
1568	Fission yeast rad17: a homologue of budding yeast RAD24 that shares regions of sequence similarity with DNA polymerase accessory proteins.. <i>EMBO Journal</i> , 1995, 14, 5812-5823.	7.8	183
1569	A change in gating mode leading to increased intrinsic Cl <sup>-</sup> channel activity compensates for defective processing in a cystic fibrosis mutant corresponding to a mild form of the disease.. <i>EMBO Journal</i> , 1995, 14, 2417-2423.	7.8	38

#	ARTICLE	IF	CITATIONS
1570	Switching Nucleotide Specificity of Ha-Ras p21 by a Single Amino Acid Substitution at Aspartate 119. Journal of Biological Chemistry, 1995, 270, 10002-10007.	3.4	46
1571	Molecular characterization of the staphylococcal multidrug resistance export protein QacC. Journal of Bacteriology, 1995, 177, 2827-2833.	2.2	124
1572	VirG, a Yersinia enterocolitica lipoprotein involved in Ca <sup>2+</sup> dependency, is related to exsB of Pseudomonas aeruginosa. Journal of Bacteriology, 1995, 177, 4230-4237.	2.2	65
1573	Aphid transmission of beet western yellows luteovirus requires the minor capsid read-through protein P74.. EMBO Journal, 1995, 14, 650-659.	7.8	191
1574	Macromolecular recognition through electrostatic repulsion.. EMBO Journal, 1995, 14, 2945-2950.	7.8	13
1575	Regulation of the Caulobacter crescentus dnaKJ operon. Journal of Bacteriology, 1995, 177, 3479-3484.	2.2	39
1576	Mutagenesis of the IS1 transposase: importance of a His-Arg-Tyr triad for activity. Journal of Bacteriology, 1995, 177, 5070-5077.	2.2	25
1577	An acute myeloid leukemia gene, AML1, regulates hemopoietic myeloid cell differentiation and transcriptional activation antagonistically by two alternative spliced forms.. EMBO Journal, 1995, 14, 341-350.	7.8	196
1578	Multimerization and transcriptional activation of the phosphoprotein (P) of vesicular stomatitis virus by casein kinase-II.. EMBO Journal, 1995, 14, 1240-1247.	7.8	95
1579	Active Site Mapping of the Catalytic Mouse Primase Subunit by Alanine Scanning Mutagenesis. Journal of Biological Chemistry, 1995, 270, 3905-3913.	3.4	35
1580	Muscle Gene E-box Control Elements. Journal of Biological Chemistry, 1995, 270, 21420-21427.	3.4	51
1581	The genes encoding the delta subunits of dinitrogenases 2 and 3 are required for mo-independent diazotrophic growth by Azotobacter vinelandii. Journal of Bacteriology, 1995, 177, 1505-1510.	2.2	49
1582	Construction of a Novel Bifunctional Biogenic Amine Receptor by Two Point Mutations of the H2-Histamine Receptor. Molecular Medicine, 1995, 1, 280-286.	4.4	4
1583	Overcoming the Metastasis-Enhancing Potential of Human Tumor Necrosis Factor $\hat{1}\pm$ by Introducing the Cell-Adhesive Arg-Gly-Asp Sequence. Journal of Interferon and Cytokine Research, 1995, 15, 161-169.	1.2	11
1584	Contribution of Hypervariable Domains to the Conformation of a Broadly Neutralizing Glycoprotein 120 Epitope. AIDS Research and Human Retroviruses, 1995, 11, 777-781.	1.1	9
1585	The First Nucleotide Binding Fold of the Cystic Fibrosis Transmembrane Conductance Regulator Can Function as an Active ATPase. Journal of Biological Chemistry, 1995, 270, 22093-22096.	3.4	103
1586	Construction of a soluble adenylyl cyclase activated by Gs alpha and forskolin. Science, 1995, 268, 1769-1772.	12.6	177
1587	Defective Export of a Periplasmic Enzyme Disrupts Regulation of Fatty Acid Synthesis. Journal of Biological Chemistry, 1995, 270, 4216-4219.	3.4	149

#	ARTICLE	IF	CITATIONS
1588	Interaction of the Flt-1 Tyrosine Kinase Receptor with the p85 Subunit of Phosphatidylinositol 3-Kinase. Journal of Biological Chemistry, 1995, 270, 20254-20257.	3.4	117
1589	Yeast SEC16 gene encodes a multidomain vesicle coat protein that interacts with Sec23p.. Journal of Cell Biology, 1995, 131, 311-324.	5.2	162
1590	Localization and targeting of the Saccharomyces cerevisiae Kre2p/Mnt1p alpha 1,2-mannosyltransferase to a medial-Golgi compartment.. Journal of Cell Biology, 1995, 131, 913-927.	5.2	72
1591	The carboxyl-terminal residues of Escherichia coli. Journal of Biological Chemistry, 1995, 270, 20870.	3.4	11
1592	The Unmodified (Apo) Form of Escherichia coli Acyl Carrier Protein Is a Potent Inhibitor of Cell Growth. Journal of Biological Chemistry, 1995, 270, 22229-22235.	3.4	94
1593	A Monomeric Variant of GroEL Binds Nucleotides but Is Inactive as a Molecular Chaperone. Journal of Biological Chemistry, 1995, 270, 20404-20409.	3.4	23
1594	Fatty Acylation of Î±2. Journal of Biological Chemistry, 1995, 270, 9667-9675.	3.4	84
1595	Identification of the Primase Active Site of the Herpes Simplex Virus Type 1 Helicase-Primase. Journal of Biological Chemistry, 1995, 270, 14148-14153.	3.4	81
1596	Overexpression of Phospholipase C-Î²1 in Colorectal Carcinomas Is Associated with Overexpression of Factors That Bind Its Promoter. Journal of Biological Chemistry, 1995, 270, 16378-16384.	3.4	25
1597	The Ser36-Ser37 Pair in HeLa Nuclear Protein p21/SIIR Mediates Ser/Thr Phosphorylation and Is Essential for Rous Sarcoma Virus Long Terminal Repeat Repression. Journal of Biological Chemistry, 1995, 270, 25313-25315.	3.4	3
1598	Initiation of Xenopus Oocyte Maturation by Activation of the Mitogen-activated Protein Kinase Cascade. Journal of Biological Chemistry, 1995, 270, 25898-25904.	3.4	151
1599	Rational Design of a Mouse Granulocyte Macrophage- Colony-stimulating Factor Receptor Antagonist. Journal of Biological Chemistry, 1995, 270, 2233-2240.	3.4	14
1600	Expression and Characterization of the 66-Kilodalton (NQO3) Iron-Sulfur Subunit of the Proton-translocating NADH-Quinone Oxidoreductase of Paracoccus denitrificans. Journal of Biological Chemistry, 1995, 270, 18264-18270.	3.4	49
1601	Vma22p Is a Novel Endoplasmic Reticulum-associated Protein Required for Assembly of the Yeast Vacuolar H <sup>+</sup> -ATPase Complex. Journal of Biological Chemistry, 1995, 270, 22329-22336.	3.4	60
1602	The Arterivirus Nsp2 Protease.. Journal of Biological Chemistry, 1995, 270, 16671-16676.	3.4	133
1603	Proton-translocating Nicotinamide Nucleotide Transhydrogenase of Escherichia coli.. Journal of Biological Chemistry, 1995, 270, 16653-16659.	3.4	17
1604	Two Distinct Cell Attachment Sites in Entactin Are Revealed by Amino Acid Substitutions and Deletion of the RGD Sequence in the Cysteine-rich Epidermal Growth Factor Repeat 2. Journal of Biological Chemistry, 1995, 270, 15838-15843.	3.4	51
1605	Glutamate 404 Is Involved in the Substrate Discrimination of GLT-1, a (Na <sup>+</sup> + K <sup>+</sup> )-coupled Glutamate Transporter from Rat Brain. Journal of Biological Chemistry, 1995, 270, 17093-17097.	3.4	79



#	ARTICLE	IF	CITATIONS
1606	Role of Tyr Residues in the Contact Region of Anti-lysozyme Monoclonal Antibody HyHEL10 for Antigen Binding. <i>Journal of Biological Chemistry</i> , 1995, 270, 18551-18557.	3.4	68
1607	The Functional Role of the ELR Motif in CXC Chemokine-mediated Angiogenesis. <i>Journal of Biological Chemistry</i> , 1995, 270, 27348-27357.	3.4	1,084
1608	Assembly of a Chromosomal Replication Machine: Two DNA Polymerases, a Clamp Loader, and Sliding Clamps in One Holoenzyme Particle.. <i>Journal of Biological Chemistry</i> , 1995, 270, 13378-13383.	3.4	46
1609	FK506 Binding Protein Mutational Analysis. <i>Journal of Biological Chemistry</i> , 1995, 270, 18935-18940.	3.4	57
1610	Evidence That Aspartic Acid 301 Is a Critical Substrate-Contact Residue in the Active Site of Cytochrome P450 2D6. <i>Journal of Biological Chemistry</i> , 1995, 270, 29055-29058.	3.4	67
1611	A developmentally regulated chromosomal origin of replication uses essential transcription elements.. <i>Genes and Development</i> , 1995, 9, 1543-1557.	5.9	71
1612	Evidence for Multiple Activators for Stress-activated Protein Kinases/c-Jun Amino-terminal Kinases.. <i>Journal of Biological Chemistry</i> , 1995, 270, 12969-12972.	3.4	108
1613	Lethality in Yeast of Trichothiodystrophy (TTD) Mutations in the Human Xeroderma Pigmentosum Group D Gene. <i>Journal of Biological Chemistry</i> , 1995, 270, 17660-17663.	3.4	25
1614	Tethered Ligand Library for Discovery of Peptide Agonists. <i>Journal of Biological Chemistry</i> , 1995, 270, 23398-23401.	3.4	24
1615	Evidence for a Regulated Interaction between Heterotrimeric G Proteins and Caveolin. <i>Journal of Biological Chemistry</i> , 1995, 270, 15693-15701.	3.4	550
1616	Allosteric Modulation by Tertiary Structure in Mammalian Hemoglobins. <i>Journal of Biological Chemistry</i> , 1995, 270, 30588-30592.	3.4	41
1617	Substrate specificities of poly(hydroxyalkanoate)-degrading bacteria and active site studies on the extracellular poly(3-hydroxyoctanoic acid) depolymerase of <i>Pseudomonas fluorescens</i> GK13. <i>Canadian Journal of Microbiology</i> , 1995, 41, 170-179.	1.7	56
1618	A homolog of an <i>Escherichia coli</i> phosphate-binding protein gene from <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . DNA Sequence, 1995, 5, 299-305.	0.7	2
1619	A highly conserved region in the hormone-binding domain of the human vitamin D receptor contains residues vital for heterodimerization with retinoid X receptor and for transcriptional activation.. <i>Molecular Endocrinology</i> , 1995, 9, 1166-1179.	3.7	72
1620	Histone H4 and the maintenance of genome integrity.. <i>Genes and Development</i> , 1995, 9, 1716-1727.	5.9	153
1621	Strain-dependent Occurrence of Functional GTP:AMP Phosphotransferase (AK3) in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 31103-31110.	3.4	18
1622	Complementation of tobacco etch potyvirus mutants by active RNA polymerase expressed in transgenic cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 457-461.	7.1	71
1623	A relationship between protein stability and protein function.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 452-456.	7.1	653

#	ARTICLE	IF	CITATIONS
1624	Critical Role of a Conserved Intramembrane Tyrosine Residue in Angiotensin II Receptor Activation. <i>Journal of Biological Chemistry</i> , 1995, 270, 9702-9705.	3.4	55
1625	Intracellular sorting and targeting of melanosomal membrane proteins: identification of signals for sorting of the human brown locus protein, gp75.. <i>Journal of Cell Biology</i> , 1995, 130, 807-820.	5.2	156
1626	Sec6, Sec8, and Sec15 are components of a multisubunit complex which localizes to small bud tips in <i>Saccharomyces cerevisiae</i> .. <i>Journal of Cell Biology</i> , 1995, 130, 299-312.	5.2	287
1627	The Ca <sup>2+</sup> Dependence of Human Fc $\gamma$ 3 Receptor-initiated Phagocytosis. <i>Journal of Biological Chemistry</i> , 1995, 270, 22301-22307.	3.4	53
1628	Site-directed Mutagenesis of Arginine 72 of HIV-1 Reverse Transcriptase. <i>Journal of Biological Chemistry</i> , 1995, 270, 19729-19735.	3.4	68
1629	Mechanisms of Thrombin Receptor Agonist Specificity. <i>Journal of Biological Chemistry</i> , 1995, 270, 21619-21625.	3.4	114
1630	A Mutation in Yeast TOP2 Homologous to a Quinolone-resistant Mutation in Bacteria. <i>Journal of Biological Chemistry</i> , 1995, 270, 20359-20364.	3.4	51
1631	Prolactin Receptor Antagonists That Inhibit the Growth of Breast Cancer Cell Lines. <i>Journal of Biological Chemistry</i> , 1995, 270, 13133-13137.	3.4	112
1632	An E Box Element Is Required for the Expression of the ad4bp Gene, a Mammalian Homologue of ftz-f1 Gene, Which Is Essential for Adrenal and Gonadal Development. <i>Journal of Biological Chemistry</i> , 1995, 270, 7453-7461.	3.4	114
1633	Cloning of a Novel Family of Mammalian GTP-binding Proteins (RagA, RagBs, RagB1) with Remote Similarity to the Ras-related GTPases. <i>Journal of Biological Chemistry</i> , 1995, 270, 28982-28988.	3.4	106
1634	Site-directed Mutagenesis of Vacuolar H <sup>+</sup> -pyrophosphatase. <i>Journal of Biological Chemistry</i> , 1995, 270, 2630-2635.	3.4	79
1635	The Propeptide Is Nonessential for the Expression of Human Cathepsin D. <i>Journal of Biological Chemistry</i> , 1995, 270, 9778-9782.	3.4	24
1636	Reaction Mechanism of L-2-Haloacid Dehalogenase of <i>Pseudomonas</i> sp. YL. <i>Journal of Biological Chemistry</i> , 1995, 270, 18309-18312.	3.4	77
1637	Transactivation Ability of p53 Transcriptional Activation Domain Is Directly Related to the Binding Affinity to TATA-binding Protein. <i>Journal of Biological Chemistry</i> , 1995, 270, 25014-25019.	3.4	106
1638	Ca <sup>2+</sup> Binding to Calmodulin and Its Role in <i>Schizosaccharomyces pombe</i> as Revealed by Mutagenesis and NMR Spectroscopy. <i>Journal of Biological Chemistry</i> , 1995, 270, 20643-20652.	3.4	40
1639	Transcription Factor Repression and Activation of the Human Acetylcholinesterase Gene. <i>Journal of Biological Chemistry</i> , 1995, 270, 23511-23519.	3.4	72
1640	Characterization of Chitin Synthase 2 of <i>Saccharomyces cerevisiae</i> .. <i>Journal of Biological Chemistry</i> , 1995, 270, 13961-13967.	3.4	161
1641	Effects of Second Intracellular Loop Mutations on Signal Transduction and Internalization of the Gonadotropin-releasing Hormone Receptor. <i>Journal of Biological Chemistry</i> , 1995, 270, 22820-22826.	3.4	141

#	ARTICLE	IF	CITATIONS
1642	Isolation of <i>Schizosaccharomyces pombe</i> Isopentenyl Diphosphate Isomerase cDNA Clones by Complementation and Synthesis of the Enzyme in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 11298-11303.	3.4	36
1643	Four Consecutive Serines in the Third Intracellular Loop Are the Sites for $\beta_2$ -Adrenergic Receptor Kinase-mediated Phosphorylation and Desensitization of the $\beta_2$ -Adrenergic Receptor. <i>Journal of Biological Chemistry</i> , 1995, 270, 4681-4688.	3.4	115
1644	Diverse Effects of Mutation on the Activity of the <i>Escherichia coli</i> Export Chaperone SecB. <i>Journal of Biological Chemistry</i> , 1995, 270, 22831-22835.	3.4	49
1645	The Ypt1 GTPase is essential for the first two steps of the yeast secretory pathway.. <i>Journal of Cell Biology</i> , 1995, 131, 583-590.	5.2	149
1646	Hepatocyte Nuclear Factor 3 Determines the Amplitude of the Glucocorticoid Response of the Rat Tyrosine Aminotransferase Gene. <i>DNA and Cell Biology</i> , 1995, 14, 385-396.	1.9	117
1647	Involvement of the Fourth $\beta$ -Helix of Mouse Granulocyte-Macrophage Colony-Stimulating Factor in Binding to the $\beta$ -Subunit of the Receptor Complex. <i>Growth Factors</i> , 1995, 12, 251-262.	1.7	1
1648	Cooperative assembly of proteins in the ribosomal GTPase centre demonstrated by their interactions with mutant 23S rRNAs. <i>Nucleic Acids Research</i> , 1995, 23, 2396-2403.	14.5	12
1649	The DNA binding domain of the vaccinia virus early transcription factor small subunit is an extended helicase-like motif. <i>Nucleic Acids Research</i> , 1995, 23, 1590-1596.	14.5	10
1650	A ribonucleic antiterminator sequence (RAT) and a distant palindrome are both involved in sucrose induction of the <i>Bacillus subtilis</i> sacXY regulatory operon. <i>Microbiology (United Kingdom)</i> , 1995, 141, 2921-2927.	1.8	17
1651	The coding sequences of mouse H2A and H3 histone genes contains a conserved seven nucleotide element that interacts with nuclear factors and is necessary for normal expression. <i>Nucleic Acids Research</i> , 1995, 23, 3083-3092.	14.5	19
1652	Regulation of Rat Ornithine Decarboxylase Promoter Activity by Binding of Transcription Factor Sp1. <i>Journal of Biological Chemistry</i> , 1995, 270, 4341-4348.	3.4	55
1653	Coordinate regulation of the human TAP1 and LMP2 genes from a shared bidirectional promoter.. <i>Journal of Experimental Medicine</i> , 1995, 181, 1459-1471.	8.5	221
1654	Nucleotide sequence and characterization of erythromycin resistance determinant that encodes macrolide 2'-phosphotransferase I in <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1995, 39, 2359-2363.	3.2	106
1655	Association of an activator with an RNA polymerase II holoenzyme.. <i>Genes and Development</i> , 1995, 9, 897-910.	5.9	224
1656	Long-distance movement factor: a transport function of the potyvirus helper component proteinase.. <i>Plant Cell</i> , 1995, 7, 549-559.	6.6	269
1657	Mutational analysis of the coat protein N-terminal amino acids involved in potyvirus transmission by aphids. <i>Journal of General Virology</i> , 1995, 76, 265-270.	2.9	172
1658	Human SEC13Rp functions in yeast and is located on transport vesicles budding from the endoplasmic reticulum.. <i>Journal of Cell Biology</i> , 1995, 128, 769-777.	5.2	100
1659	Requirement of the NPXY motif in the integrin beta 3 subunit cytoplasmic tail for melanoma cell migration in vitro and in vivo.. <i>Journal of Cell Biology</i> , 1995, 130, 441-450.	5.2	188

#	ARTICLE	IF	CITATIONS
1660	VPS27 controls vacuolar and endocytic traffic through a prevacuolar compartment in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 1995, 131, 603-617.	5.2	380
1661	Assembly of the Photosystem II Oxygen-evolving Complex Is Inhibited in <i>psbA</i> Site-directed Mutants of <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 225-235.	3.4	39
1662	The Oxygen Sensor Protein, FixL, of <i>Rhizobium meliloti</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 5243-5250.	3.4	88
1663	Distinctive Roles of the Two ATP-binding Sites in ClpA, the ATPase Component of Protease Ti in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 8087-8092.	3.4	39
1664	Natural DNA Precursor Pool Asymmetry and Base Sequence Context as Determinants of Replication Fidelity. <i>Journal of Biological Chemistry</i> , 1995, 270, 8401-8404.	3.4	20
1665	Identification of Three Tyrosine Residues of Glycoprotein Ibl± with Distinct Roles in von Willebrand Factor and ±-Thrombin Binding. <i>Journal of Biological Chemistry</i> , 1995, 270, 9571-9578.	3.4	117
1666	The Conserved Motif, GXXX(D/E)(R/K)XG[X](R/K)(R/K), in Hydrophilic Loop 2/3 of the Lactose Permease. <i>Journal of Biological Chemistry</i> , 1995, 270, 16251-16257.	3.4	116
1667	Role of the N-terminal 118 Amino Acids in the Processing of the Rat Renal Mitochondrial Glutaminase Precursor. <i>Journal of Biological Chemistry</i> , 1995, 270, 1191-1197.	3.4	9
1668	FtsH, a Membrane-bound ATPase, Forms a Complex in the Cytoplasmic Membrane of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 23485-23490.	3.4	91
1669	Effect of Guanine Nucleotide Binding on the Intrinsic Tryptophan Fluorescence Properties of Rab5. <i>Journal of Biological Chemistry</i> , 1995, 270, 24204-24208.	3.4	15
1670	Identification of Essential GATA and Ets Binding Motifs within the Promoter of the Platelet Glycoprotein Ibl± Gene. <i>Journal of Biological Chemistry</i> , 1995, 270, 24532-24539.	3.4	87
1671	Structural and Mechanistic Studies of Galactoside Acetyltransferase, the <i>Escherichia coli</i> LacA Gene Product. <i>Journal of Biological Chemistry</i> , 1995, 270, 26326-26331.	3.4	47
1672	GDP Dissociation Inhibitor Serves as a Cytosolic Acceptor for Newly Synthesized and Prenylated Rab5. <i>Journal of Biological Chemistry</i> , 1995, 270, 26904-26909.	3.4	24
1673	DnaX Complex of <i>Escherichia coli</i> DNA Polymerase III Holoenzyme. <i>Journal of Biological Chemistry</i> , 1995, 270, 29555-29562.	3.4	57
1674	Systematic Deletion Analysis of Ricin A-Chain Function. <i>Journal of Biological Chemistry</i> , 1995, 270, 30581-30587.	3.4	20
1675	Studies of coat protein-mediated resistance to tobacco mosaic virus (TMV). II. Challenge by a mutant with altered virion surface does not overcome resistance conferred by TMV coat protein. <i>Journal of General Virology</i> , 1995, 76, 2613-2617.	2.9	21
1676	Disulfide Bond Formation between the COOH-terminal Domain of the î² Subunits and the î³ and îµ Subunits of the <i>Escherichia coli</i> F1-ATPase. <i>Journal of Biological Chemistry</i> , 1995, 270, 9185-9191.	3.4	131
1677	A Conserved NPLFY Sequence Contributes to Agonist Binding and Signal Transduction but Is Not an Internalization Signal for the Type 1 Angiotensin II Receptor. <i>Journal of Biological Chemistry</i> , 1995, 270, 16602-16609.	3.4	115

#	ARTICLE	IF	CITATIONS
1678	Functional dissection of an abscisic acid (ABA)-inducible gene reveals two independent ABA-responsive complexes each containing a G-box and a novel cis-acting element.. Plant Cell, 1995, 7, 295-307.	6.6	358
1679	Structure and Function of the UvrB Protein. Journal of Biological Chemistry, 1995, 270, 8319-8327.	3.4	76
1680	Identification of Amino Acid Residues Critical for Catalysis and Cosubstrate Binding in the Flavonol 3-Sulfotransferase. Journal of Biological Chemistry, 1995, 270, 30458-30463.	3.4	67
1681	Epidermal growth factor induction of human papillomavirus type 16 E6/E7 mRNA in tumour cells involves two AP-1 binding sites in the viral enhancer. Journal of General Virology, 1995, 76, 1945-1958.	2.9	22
1682	Immunocytological localization of an epitope-tagged plasma membrane proton pump (H(+)-ATPase) in phloem companion cells.. Plant Cell, 1995, 7, 2053-2067.	6.6	154
1683	Cis-regulatory elements conferring cyclic 3',5'-adenosine monophosphate responsiveness of the progesterone receptor gene in transfected rat granulosa cells.. Endocrinology, 1995, 136, 5430-5437.	2.8	25
1684	Mutational analysis of the attDNA-binding domain of phage Mu transposase. Nucleic Acids Research, 1995, 23, 3937-3943.	14.5	17
1685	Small Maf Proteins Heterodimerize with Fos and May Act as Competitive Repressors of the NF-E2 Transcription Factor. Molecular and Cellular Biology, 1995, 15, 2180-2190.	2.3	216
1686	DNA binding and regulatory effects of transcription factors SP1 and USF at the rat amyloid precursor protein gene promoter. Nucleic Acids Research, 1995, 23, 2229-2235.	14.5	56
1687	A novel method to identify nucleic acid binding sites in proteins by scanning mutagenesis: application to iron regulatory protein. Nucleic Acids Research, 1995, 23, 2579-2583.	14.5	20
1688	Kinetic Analysis of Lactose and Proton Coupling in Glu379 Mutants of the Lactose Transport Protein of Streptococcus thermophilus. Journal of Biological Chemistry, 1995, 270, 12995-13003.	3.4	30
1689	SED4 encodes a yeast endoplasmic reticulum protein that binds Sec16p and participates in vesicle formation.. Journal of Cell Biology, 1995, 131, 325-338.	5.2	77
1690	A highly efficient procedure for site-specific mutagenesis of full-length plasmids using Vent DNA polymerase.. Genome Research, 1995, 5, 404-407.	5.5	86
1691	Purification of an Interleukin-1 $\beta$ Converting Enzyme-related Cysteine Protease That Cleaves Sterol Regulatory Element-binding Proteins between the Leucine Zipper and Transmembrane Domains. Journal of Biological Chemistry, 1995, 270, 18044-18050.	3.4	131
1692	The N-terminus of fission yeast DNA polymerase alpha contains a basic pentapeptide that acts in vivo as a nuclear localization signal.. Molecular Biology of the Cell, 1995, 6, 1697-1705.	2.1	11
1693	Single amino acid replacements at positions altered in naturally occurring extended-spectrum TEM beta-lactamases. Antimicrobial Agents and Chemotherapy, 1995, 39, 145-149.	3.2	63
1694	Reactivation of Phosphorylated Actin Depolymerizing Factor and Identification of the Regulatory Site. Journal of Biological Chemistry, 1995, 270, 17582-17587.	3.4	339
1695	Requirement of nucleotide exchange factor for Ypt1 GTPase mediated protein transport.. Journal of Cell Biology, 1995, 130, 1051-1061.	5.2	76

#	ARTICLE	IF	CITATIONS
1696	Functional Mapping of the Surface Residues of Human Thrombin. Journal of Biological Chemistry, 1995, 270, 16854-16863.	3.4	158
1697	Promoter Elements of the Mouse Acetylcholinesterase Gene. Journal of Biological Chemistry, 1995, 270, 1866-1872.	3.4	67
1698	Light-Harvesting Chlorophyll a/b-Binding Protein Inserted into Isolated Thylakoids Binds Pigments and Is Assembled into Trimeric Light-Harvesting Complex. Plant Physiology, 1995, 109, 1267-1276.	4.8	30
1699	Alternate Translation Initiation Codons Can Create Functional Forms of Cystic Fibrosis Transmembrane Conductance Regulator. Journal of Biological Chemistry, 1995, 270, 11941-11946.	3.4	58
1700	A recurring dominant negative mutation causes autosomal dominant growth hormone deficiency--a clinical research center study.. Journal of Clinical Endocrinology and Metabolism, 1995, 80, 3591-3595.	3.6	75
1701	The Essential Function of Protein-disulfide Isomerase Is to Unscramble Non-native Disulfide Bonds. Journal of Biological Chemistry, 1995, 270, 28006-28009.	3.4	192
1702	Role of Acidic and Phosphorylated Residues in Gene Activation by the Glucocorticoid Receptor. Journal of Biological Chemistry, 1995, 270, 17535-17540.	3.4	94
1703	The Role of Tyr13 and Lys15 of Interleukin-8 in the High Affinity Interaction with the Interleukin-8 Receptor Type A. Journal of Biological Chemistry, 1995, 270, 10428-10431.	3.4	56
1704	Control of RAS mRNA level by the mevalonate pathway.. Molecular Biology of the Cell, 1995, 6, 59-70.	2.1	23
1705	Targeting and topology in the membrane of plant 3-hydroxy-3-methylglutaryl coenzyme A reductase.. Plant Cell, 1995, 7, 2163-2174.	6.6	79
1706	Characterization of Mutants Affecting the KRK Sequence in the Carboxyl-terminal Domain of lac Repressor. Journal of Biological Chemistry, 1995, 270, 10640-10649.	3.4	10
1707	The 78,000-M(r) intermediate chain of Chlamydomonas outer arm dynein is a microtubule-binding protein.. Journal of Cell Biology, 1995, 131, 399-409.	5.2	64
1708	Cloning, sequencing, and site-directed mutagenesis of beta-lactamase gene from Streptomyces fradiae Y59. Antimicrobial Agents and Chemotherapy, 1995, 39, 260-263.	3.2	8
1709	Transcription Termination at the thr Attenuator. Journal of Biological Chemistry, 1995, 270, 23330-23336.	3.4	13
1710	Pollen specificity elements reside in 30 bp of the proximal promoters of two pollen-expressed genes.. Plant Cell, 1995, 7, 373-384.	6.6	119
1711	Mouse Interleukin-2 Receptor $\beta$ Gene Expression. Journal of Biological Chemistry, 1995, 270, 10743-10753.	3.4	57
1712	Site-specific Mutagenesis Demonstrates That Cysteine 4326 of Apolipoprotein B Is Required for Covalent Linkage with Apolipoprotein(a) in Vivo. Journal of Biological Chemistry, 1995, 270, 23914-23917.	3.4	74
1713	Major Histocompatibility Complex Class II-associated Invariant Chain Gene Expression Is Up-regulated by Cooperative Interactions of Sp1 and NF- $\kappa$ B. Journal of Biological Chemistry, 1995, 270, 20978-20986.	3.4	123



#	ARTICLE	IF	CITATIONS
1714	Molecular Requirements for the Interaction of Class II Major Histocompatibility Complex Molecules and Invariant Chain with Calnexin. <i>Journal of Biological Chemistry</i> , 1995, 270, 2784-2790.	3.4	97
1715	Importance of Residues 2â€“9 in the Immunoreactivity, Subunit Interactions, and Activity of the Î²2 Subunit of Escherichia coli Tryptophan Synthase. <i>Journal of Biological Chemistry</i> , 1995, 270, 4255-4261.	3.4	8
1716	The Phylogenetically Conserved Histidines of Escherichia coli Porphobilinogen Synthase Are Not Required for Catalysis. <i>Journal of Biological Chemistry</i> , 1995, 270, 24054-24059.	3.4	12
1717	Lysine-based Structure in the Proregion of Procathepsin L Is the Recognition Site for Mannose Phosphorylation. <i>Journal of Biological Chemistry</i> , 1995, 270, 15611-15619.	3.4	49
1718	A Thermostable Mutation Located at the Hydrophobic Core of Î±1-Antitrypsin Suppresses the Folding Defect of the Z-type Variant. <i>Journal of Biological Chemistry</i> , 1995, 270, 8597-8601.	3.4	54
1719	Formation of Signal Transfer Complexes between Stem Cell and Platelet-Derived Growth Factor Receptors and SH2 Domain Proteins in Vitro. <i>Biochemistry</i> , 1995, 34, 5971-5979.	2.5	30
1720	Role of Residue 161 in the Allosteric Transitions of Two Bacterial Phosphofructokinases. <i>Biochemistry</i> , 1995, 34, 7062-7068.	2.5	13
1721	Gene Cloning, Expression, and Characterization of the Sac7 Proteins from the Hyperthermophile <i>Sulfolobus acidocaldarius</i> . <i>Biochemistry</i> , 1995, 34, 10063-10077.	2.5	80
1722	Contributions of Individual Kringle Domains toward Maintenance of the Chloride-Induced Tight Conformation of Human Glutamic Acid-1 Plasminogen. <i>Biochemistry</i> , 1995, 34, 9581-9586.	2.5	42
1723	<i>Saccharomyces cerevisiae</i> Phosphoenolpyruvate Carboxykinase: Revised Amino Acid Sequence, Site-Directed Mutagenesis, and Microenvironment Characteristics of Cysteines 365 and 458. <i>Biochemistry</i> , 1995, 34, 6382-6388.	2.5	32
1724	Properties of Hybrid Active Sites in Oligomeric Proteins: Kinetic and Ligand Binding Studies with Chloramphenicol Acetyltransferase Trimers. <i>Biochemistry</i> , 1995, 34, 6416-6422.	2.5	13
1725	Hydrophobic Amino Acid Residues of Human Anticoagulation Protein C That Contribute to Its Functional Binding to Phospholipid Vesicles. <i>Biochemistry</i> , 1995, 34, 10376-10382.	2.5	57
1726	Site-Specific Crosslinking as a Method for Studying Intramolecular Electron Transfer. <i>Biochemistry</i> , 1995, 34, 6573-6580.	2.5	35
1727	Elimination of the Sensitivity of L-Aspartase to Active-Site-Directed Inactivation without Alteration of Catalytic Activity. <i>Biochemistry</i> , 1995, 34, 3529-3535.	2.5	15
1728	Ribonuclease A: Revealing Structure-Function Relationships with Semisynthesis. <i>Journal of the American Chemical Society</i> , 1995, 117, 8057-8060.	13.7	115
1729	Glutamine 151 participates in the substrate dNTP binding function of HIV-1 reverse transcriptase. <i>Biochemistry</i> , 1995, 34, 7207-7216.	2.5	67
1730	Phosphorylation Site Mutants of the Mannitol Transport Protein Enzyme IImtl of Escherichia coli: Studies on the Interaction between the Mannitol Translocating C-Domain and the Phosphorylation Site on the Energy-Coupling B-Domain. <i>Biochemistry</i> , 1995, 34, 3239-3247.	2.5	19
1731	Diffusion-Limited Interaction between Unfolded Polypeptides and the Escherichia coli Chaperone SecB. <i>Biochemistry</i> , 1995, 34, 10078-10085.	2.5	75

#	ARTICLE	IF	CITATIONS
1732	Site-Directed Mutations in Tyrosine 195 of Cyclodextrin Glycosyltransferase from <i>Bacillus circulans</i> Strain 251 Affect Activity and Product Specificity. <i>Biochemistry</i> , 1995, 34, 3368-3376.	2.5	146
1733	Role of the Linker Region Connecting the Reductase and Heme Domains in Cytochrome P450BM-3. <i>Biochemistry</i> , 1995, 34, 11221-11226.	2.5	40
1734	Site-Directed Mutagenesis of Putative GTP-Binding Sites of Yeast $\beta$ -Tubulin: Evidence That $\alpha$ -, $\beta$ -, and $\gamma$ -Tubulins Are Atypical GTPases. <i>Biochemistry</i> , 1995, 34, 7409-7419.	2.5	30
1735	Analysis of the Factor VIIa Binding Site on Human Tissue Factor: Effects of Tissue Factor Mutations on the Kinetics and Thermodynamics of Binding. <i>Biochemistry</i> , 1995, 34, 10383-10392.	2.5	102
1736	Positive Cooperativity with Hill Coefficients of up to 6 in the Glutamate Concentration Dependence of Steady-State Reaction Rates Measured with Clostridial Glutamate Dehydrogenase and the Mutant A163G at High pH. <i>Biochemistry</i> , 1995, 34, 11417-11422.	2.5	29
1737	Structure-function assessment of the role of the helical stack domain in the properties of human recombinant protein C and activated protein C. <i>Biochemistry</i> , 1995, 34, 8082-8090.	2.5	16
1738	Large Amplitude Twisting Motions of an Interdomain Hinge: A Disulfide Trapping Study of the Galactose-Glucose Binding Protein. <i>Biochemistry</i> , 1995, 34, 3048-3055.	2.5	74
1739	Effect of cysteine to serine mutations on the properties of the [4Fe-4S] center in <i>Escherichia coli</i> fumarate reductase. <i>Biochemistry</i> , 1995, 34, 12284-12293.	2.5	73
1740	Mutagenesis of the H-ras p21 at glycine-60 residue disrupts GTP-induced conformational change. <i>Biochemistry</i> , 1995, 34, 3470-3477.	2.5	47
1741	Human Uridine Monophosphate Synthase: Baculovirus Expression, Immunoaffinity Column Purification and Characterization of the Acetylated Amino Terminus. <i>Biochemistry</i> , 1995, 34, 10835-10843.	2.5	7
1742	Transmembrane topology and axial ligands to hemes in the cytochrome b subunit of <i>Bacillus subtilis</i> succinate:menaquinone reductase. <i>Biochemistry</i> , 1995, 34, 11080-11089.	2.5	48
1743	N-Proximal Sequence Motif in Light-Harvesting Chlorophyll a/b-Binding Protein Is Essential for the Trimerization of Light-Harvesting Chlorophyll a/b Complex. <i>Biochemistry</i> , 1995, 34, 10224-10228.	2.5	122
1744	Detection of a Stable Intermediate in the Thermal Unfolding of a Cysteine-Free Form of Dihydrofolate Reductase from <i>Escherichia coli</i> . <i>Biochemistry</i> , 1995, 34, 10669-10675.	2.5	28
1745	Crystallographic and Enzymic Investigations on the Role of Ser558, His610, and Asn614 in the Catalytic Mechanism of <i>Azotobacter vinelandii</i> Dihydrolipoamide Acetyltransferase (E2p). <i>Biochemistry</i> , 1995, 34, 4287-4298.	2.5	50
1746	Assemble, nuclear import and function of U7 snRNPs studied by microinjection of synthetic U7 RNA into <i>Xenopus</i> oocytes. <i>Nucleic Acids Research</i> , 1995, 23, 3141-3151.	14.5	65
1747	The role of HLA-DP $\beta$ residue 69 in the definition of antibody-binding epitopes. <i>Human Immunology</i> , 1995, 43, 219-226.	2.4	16
1748	Location of N2, N2-dimethylguanosine-specific tRNA methyltransferase. <i>Biochimie</i> , 1995, 77, 45-53.	2.6	47
1749	An oligodeoxyribonucleotide-directed dual amber method for site-directed mutagenesis. <i>Gene</i> , 1995, 152, 271-275.	2.2	87

#	ARTICLE	IF	CITATIONS
1750	Production of chicken ovalbumin in <i>Escherichia coli</i> . <i>Gene</i> , 1995, 161, 211-216.	2.2	22
1751	Construction and expression of a chimeric gene encoding human terminal deoxynucleotidyltransferase and DNA polymerase $\beta$ . <i>Gene</i> , 1995, 163, 289-294.	2.2	4
1752	Site-directed mutagenesis of the HtrA(DegP) serine protease, whose proteolytic activity is indispensable for <i>Escherichia coli</i> survival at elevated temperatures. <i>Gene</i> , 1995, 163, 47-52.	2.2	98
1753	A method of directed random mutagenesis of the yeast chromosome shows that the iso-1-cytochrome c heme ligand His18 is essential. <i>Gene</i> , 1995, 164, 33-39.	2.2	19
1754	Production of the 19-kDa antigen of <i>Mycobacterium tuberculosis</i> in <i>Escherichia coli</i> and its purification. <i>Gene</i> , 1995, 164, 129-132.	2.2	9
1755	Modified Ligands to FA and Fb in Photosystem I. <i>Journal of Biological Chemistry</i> , 1995, 270, 28108-28117.	3.4	43
1756	F1-ATPase $\epsilon$ -subunit made up from two fragments (1â€“395, 396â€“503) is stabilized by ATP and complexes containing it obey altered kinetics. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1995, 1229, 225-232.	1.0	1
1757	Production of Rat Protein Disulfide Isomerase in <i>Saccharomyces cerevisiae</i> . <i>Protein Expression and Purification</i> , 1995, 6, 700-706.	1.3	16
1758	In Vivo Characterization of the Unorthodox BvgS Two-component Sensor Protein of <i>Bordetella pertussis</i> . <i>Journal of Molecular Biology</i> , 1995, 248, 596-610.	4.2	61
1759	A transcriptional role for conserved footprinting sequences within the larval promoter of a <i>Drosophila</i> alcohol dehydrogenase gene. <i>Journal of Molecular Biology</i> , 1995, 249, 259-269.	4.2	9
1760	Mutual stabilisation of bacteriophage Mu repressor and histone-like proteins in a nucleoprotein structure. <i>Journal of Molecular Biology</i> , 1995, 249, 332-341.	4.2	23
1761	A Residue to Residue Hydrogen Bond Mediates the Nucleotide Specificity of Ribonuclease A. <i>Journal of Molecular Biology</i> , 1995, 252, 328-336.	4.2	59
1762	Human A-myb gene encodes a transcriptional activator containing the negative regulatory domains. <i>FEBS Letters</i> , 1995, 358, 89-96.	2.8	36
1763	Effects of mutations at position 36 of tRNA <sup>Glu</sup> on missense and nonsense suppression in <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1995, 361, 25-28.	2.8	5
1764	The mutant Asn291â†’ Ser human lipoprotein lipase is associated with reduced catalytic activity and does not influence binding to heparin. <i>FEBS Letters</i> , 1995, 367, 257-262.	2.8	24
1765	Mutants of T7 RNA polymerase that are able to synthesize both RNA and DNA. <i>FEBS Letters</i> , 1995, 369, 165-168.	2.8	38
1766	Leucine-58 in the putative 5th helical region of human interleukin (IL)-6 is important for activation of the IL-6 signal transducer, gp130. <i>FEBS Letters</i> , 1995, 369, 187-191.	2.8	11
1767	Ribosomal protein L22 from <i>Thermus thermophilus</i> : sequencing overexpression and crystallisation. <i>FEBS Letters</i> , 1995, 369, 229-232.	2.8	7

#	ARTICLE	IF	CITATIONS
1768	Alteration in relative activities of phenylalanine dehydrogenase towards different substrates by site-directed mutagenesis. FEBS Letters, 1995, 370, 93-96.	2.8	31
1769	Glutamate-101 is critical for the function of the sodium and chloride-coupled GABA transporter GAT-1. FEBS Letters, 1995, 371, 39-42.	2.8	46
1770	Roles of the phosphorylation of human interleukin 1 $\alpha$ in proteolytic processing. FEBS Letters, 1995, 371, 149-153.	2.8	2
1771	Lateral mobility of Fc $\gamma$ RIIa is reduced by protein kinase C activation. FEBS Letters, 1995, 376, 77-80.	2.8	22
1772	Conformational dynamics monitored by His-179 and His-200 of isolated thermophilic F1-ATPase $\beta$ subunit which reside at the entrance of the "conical tunnel" in holoenzyme. FEBS Letters, 1995, 376, 190-194.	2.8	8
1773	Engineering a domain-locking disulfide into a bacterial malate dehydrogenase produces a redox-sensitive enzyme. Biophysical Journal, 1995, 68, 2218-2223.	0.5	19
1774	Verification of the lactase site of rat lactase-phlorizin hydrolase by site-directed mutagenesis. Gastroenterology, 1995, 109, 1234-1240.	1.3	14
1775	Evaluation of the E. coli ribosomal rrnB P1 promoter and phage-derived lysis genes for the use in a biological containment system: A concept study. Journal of Biotechnology, 1995, 39, 137-148.	3.8	9
1776	Involvement of Loop 2 of Platelet-Derived Growth Factor-AA and-BB in Receptor Binding. Growth Factors, 1995, 12, 159-164.	1.7	23
1777	Minimization of a Polypeptide Hormone. Science, 1995, 270, 1657-1660.	12.6	141
1778	Development of yeast strains for the efficient utilisation of starch: evaluation of constructs that express $\alpha$ -amylase and glucoamylase separately or as bifunctional fusion proteins. Applied Microbiology and Biotechnology, 1995, 43, 1067-1076.	3.6	90
1779	Identification of functional domains in the Sep1 protein (= Kem1, Xrn1), which is required for transition through meiotic prophase in Saccharomyces cerevisiae. Chromosoma, 1995, 104, 215-222.	2.2	19
1780	Local Structural Preferences in the $\alpha$ -Lactalbumin Molten Globule. Biochemistry, 1995, 34, 3248-3252.	2.5	104
1781	Stabilizing Amino Acid Replacements at Position 52 in Yeast Iso-1-cytochrome c: In Vivo and in Vitro Effects. Biochemistry, 1995, 34, 7094-7102.	2.5	26
1782	Structural characterization of a minimal functional transactivation domain from the human glucocorticoid receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 1699-1703.	7.1	160
1783	Replacing a Surface Loop Endows Ribonuclease A with Angiogenic Activity. Journal of Biological Chemistry, 1995, 270, 17180-17184.	3.4	43
1784	Oligomerization of the HIV Type 2 Nef Protein: Mutational Analysis of the Heptad Leucine Repeat Motif and Cysteine Residues. AIDS Research and Human Retroviruses, 1995, 11, 65-79.	1.1	10
1785	Segmental expression of Hoxb-1 is controlled by a highly conserved autoregulatory loop dependent upon exd/pbx. Cell, 1995, 81, 1031-1042.	28.9	479

#	ARTICLE	IF	CITATIONS
1786	IS10 antisense control in vivo is affected by mutations throughout the region of complementarity between the interacting RNAs. <i>Journal of Molecular Biology</i> , 1995, 246, 585-594.	4.2	8
1787	Mutational analysis of the sequence-specific recombination box for amplification of gene 17 of bacteriophage T4. <i>Journal of Molecular Biology</i> , 1995, 247, 604-617.	4.2	12
1788	The zinc coordination site of the bacteriophage Mu translational activator protein, Com. <i>Journal of Molecular Biology</i> , 1995, 247, 753-764.	4.2	11
1789	Crystallographic Studies of the Interaction of Cyclodextrin Glycosyltransferase from <i>Bacillus circulans</i> Strain 251 with Natural Substrates and Products. <i>Journal of Biological Chemistry</i> , 1995, 270, 29256-29264.	3.4	131
1790	Evidence for conformational changes in <i>Escherichia coli</i> porphobilinogen deaminase during stepwise pyrrole chain elongation monitored by increased reactivity of cysteine-134 to alkylation by N-ethylmaleimide. <i>Biochemistry</i> , 1995, 34, 11288-11295.	2.5	24
1791	The Two Monofunctional Domains of Octameric Formiminotransferase-Cyclodeaminase Exist as Dimers. <i>Biochemistry</i> , 1995, 34, 10358-10364.	2.5	29
1792	Single-channel analysis of inactivation-defective rat skeletal muscle sodium channels containing the F1304Q mutation. <i>Biophysical Journal</i> , 1996, 71, 1285-1294.	0.5	22
1793	Interactions of phage P22 tails with their cellular receptor, <i>Salmonella</i> O-antigen polysaccharide. <i>Biophysical Journal</i> , 1996, 71, 2040-2048.	0.5	93
1794	Restitution of the UL56 gene expression of HSV-1 HFEM led to restoration of virulent phenotype; deletion of the amino acids 217 to 234 of the UL56 protein abrogates the virulent phenotype. <i>Virus Research</i> , 1996, 40, 17-31.	2.2	32
1795	Protein Engineering of a Cephalosporin C Acylase from <i>Pseudomonas</i> Strain N176. <i>Annals of the New York Academy of Sciences</i> , 1996, 782, 226-240.	3.8	11
1796	Analysis of Active Site Residues in <i>Escherichia coli</i> Chorismate Mutase by Site-Directed Mutagenesis. <i>Journal of the American Chemical Society</i> , 1996, 118, 1789-1790.	13.7	65
1797	Analysis of the Structure and Function of the von Willebrand Factor A1 Domain Using Targeted Deletions and Alanine-Scanning Mutagenesis. <i>Biochemistry</i> , 1996, 35, 13460-13468.	2.5	33
1798	Mechanistic Consequences of Mutation of Active Site Carboxylates in a Retaining $\beta$ -1,4-Glycanase from <i>Cellulomonas fimi</i> . <i>Biochemistry</i> , 1996, 35, 13165-13172.	2.5	88
1799	Calcium Modulation of Bovine Photoreceptor Guanylate Cyclase. <i>Biochemistry</i> , 1996, 35, 8478-8482.	2.5	125
1800	Kinetic Characterization of Human Immunodeficiency Virus Type-1 Protease-resistant Variants. <i>Journal of Biological Chemistry</i> , 1996, 271, 17979-17985.	3.4	75
1801	Cloning and sequence analysis of the human salivary peroxidase-encoding cDNA. <i>Gene</i> , 1996, 173, 261-264.	2.2	23
1802	A multifunctional vector system for heterologous expression of proteins in <i>Escherichia coli</i> Expression of native and hexahistidyl fusion proteins, rapid purification of the fusion proteins, and removal of fusion peptide by Kex2 protease. <i>Gene</i> , 1996, 176, 249-255.	2.2	44
1803	Inclusion of an upstream transcriptional terminator in phage display vectors abolishes background expression of toxic fusions with coat protein g3p. <i>Gene</i> , 1996, 178, 71-74.	2.2	69

#	ARTICLE	IF	CITATIONS
1804	Reduction in IgE binding to allergen variants generated by site-directed mutagenesis: Contribution of disulfide bonds to the antigenic structure of the major house dust mite allergen Der p 2. <i>Molecular Immunology</i> , 1996, 33, 399-405.	2.2	155
1805	Human recombinant alpha-parvalbumin and nine mutants with individually inactivated calcium- and magnesium-binding sites: biochemical and immunological properties. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996, 1313, 179-186.	4.1	21
1806	Site-directed mutants designed to test back-door hypotheses of acetylcholinesterase function. <i>FEBS Letters</i> , 1996, 386, 65-71.	2.8	58
1807	Increase in ADP-ribosyltransferase activity of rat T lymphocyte alloantigen RT6.1 by a single amino acid mutation. <i>FEBS Letters</i> , 1996, 388, 189-191.	2.8	20
1808	Fish glucocorticoid receptor with splicing variants in the DNA binding domain. <i>FEBS Letters</i> , 1996, 389, 244-248.	2.8	55
1809	In vivo activation of recombinant cAPK catalytic subunit active site mutants by coexpression of the wild-type enzyme, evidence for intermolecular cotranslational phosphorylation. <i>FEBS Letters</i> , 1996, 391, 121-125.	2.8	18
1810	Loop mutations affect ferritin solubility causing non-native aggregation of subunits or precipitation of fully assembled polymers. <i>FEBS Letters</i> , 1996, 394, 311-315.	2.8	8
1811	Replacement of Gln280 by His in TM6 of the human ORL1 receptor increases affinity but reduces intrinsic activity of opioids. <i>FEBS Letters</i> , 1996, 395, 17-21.	2.8	42
1812	Identification of the amino acid residues responsible for cold tolerance in <i>Flaveria brownii</i> pyruvate, orthophosphate dikinase. <i>FEBS Letters</i> , 1996, 396, 152-156.	2.8	9
1813	Thermodynamic and Structural Compensation in "Size-switch" Core Repacking Variants of Bacteriophage T4 Lysozyme. <i>Journal of Molecular Biology</i> , 1996, 259, 542-559.	4.2	85
1814	On the Role of the Multiple Regulatory Elements Involved in the Activation of the <i>Escherichia coli</i> malEp Promoter. <i>Journal of Molecular Biology</i> , 1996, 264, 852-862.	4.2	29
1815	The <i>Escherichia coli</i> F1-ATPase mutant $\text{I}^{2}\text{Tyr-297} \rightarrow \text{Cys}$ : functional studies and asymmetry of the enzyme under various nucleotide conditions based on reaction of the introduced Cys with N-ethylmaleimide and 7-chloro-4-nitrobenzofurazan. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1276, 154-160.	1.0	8
1816	Alteration of Na <sup>+</sup> -coupled transport in site-directed mutants of the melibiose carrier of <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996, 1282, 240-248.	2.6	17
1817	Effect of type III antifreeze protein dilution and mutation on the growth inhibition of ice. <i>Biophysical Journal</i> , 1996, 71, 2346-2355.	0.5	65
1818	The pollen-specific LIM protein PLIM-1 from sunflower binds nucleic acids in vitro. <i>Sexual Plant Reproduction</i> , 1996, 9, 264-268.	2.2	17
1819	The 3-phosphoglycerate kinase gene of the yeast <i>Yarrowia lipolytica</i> de-represses on gluconeogenic substrates. <i>Current Genetics</i> , 1996, 29, 446-456.	1.7	20
1820	Detection of antagonistic cellular regulatory functions by the gene-gene interference method in yeast. <i>Current Genetics</i> , 1996, 29, 114-121.	1.7	7
1821	Towards a mechanism of AMP-substrate inhibition in adenylate kinase from <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1996, 397, 273-276.	2.8	34



#	ARTICLE	IF	CITATIONS
1822	A Molecular Switch in a Replication Machine Defined by an Internal Competition for Protein Rings. <i>Cell</i> , 1996, 84, 137-145.	28.9	149
1823	2.0 Å... Crystal Structure of a Four-Domain Segment of Human Fibronectin Encompassing the RGD Loop and Synergy Region. <i>Cell</i> , 1996, 84, 155-164.	28.9	623
1824	Sterol-Regulated Release of SREBP-2 from Cell Membranes Requires Two Sequential Cleavages, One Within a Transmembrane Segment. <i>Cell</i> , 1996, 85, 1037-1046.	28.9	486
1825	Construction and characterization of a Photosystem II D1 mutant (arginine-269-glycine) of <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1277, 83-92.	1.0	31
1826	Functional complementation between transmembrane loops of <i>Saccharomyces cerevisiae</i> and <i>Candida albicans</i> plasma membrane H <sup>+</sup> -ATPases. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996, 1284, 181-190.	2.6	6
1827	Expression of a corn bifunctional inhibitor of serine proteinases and insect $\alpha$ -amylases in transgenic tobacco plants. <i>Plant Science</i> , 1996, 115, 59-69.	3.6	11
1828	Involvement of phenylalanine 23 in the binding of IGF-1 to the insulin and type I IGF receptor. <i>Regulatory Peptides</i> , 1996, 66, 191-196.	1.9	14
1829	Phagemid-Displayed Peptide Libraries. , 1996, , 113-125.		1
1830	Regulation of LMP2 and TAP1 Genes by IRF-1 Explains the Paucity of CD8 <sup>+</sup> T Cells in IRF-1 <sup>-/-</sup> Mice. <i>Immunity</i> , 1996, 5, 365-376.	14.3	136
1831	Voltage-Sensing Residues in the S2 and S4 Segments of the Shaker K <sup>+</sup> Channel. <i>Neuron</i> , 1996, 16, 1159-1167.	8.1	644
1832	A Combinatorial Library Strategy for the Rapid Humanization of Anticarcinoma BR96 Fab. <i>Journal of Biological Chemistry</i> , 1996, 271, 22611-22618.	3.4	60
1833	Change of a Catalytic Reaction Carried Out by a DNA Replication Protein. <i>Science</i> , 1996, 274, 777-780.	12.6	33
1834	Mutational analysis of the <i>Streptomyces scabies</i> esterase signal peptide. <i>Applied Microbiology and Biotechnology</i> , 1996, 45, 189-198.	3.6	5
1835	Hydrophobicity variations along the surface of the coiled-coil rod may mediate striated muscle myosin assembly in <i>Caenorhabditis elegans</i> .. <i>Journal of Cell Biology</i> , 1996, 135, 371-382.	5.2	42
1836	A method for determining transmembrane protein structure. <i>Molecular Membrane Biology</i> , 1996, 13, 53-60.	2.0	19
1837	Anionic Residue in the $\alpha$ -Subunit of the Nicotinic Acetylcholine Receptor Contributing to Subunit Assembly and Ligand Binding. <i>Journal of Biological Chemistry</i> , 1996, 271, 26575-26581.	3.4	30
1838	Identification of a Binding Site for Integrin $\alpha$ 27 in the N-terminal Domain of E-cadherin. <i>Journal of Biological Chemistry</i> , 1996, 271, 30909-30915.	3.4	79
1839	A specific targeting domain in mature exotoxin A is required for its extracellular secretion from <i>Pseudomonas aeruginosa</i> .. <i>EMBO Journal</i> , 1996, 15, 429-436.	7.8	54

#	ARTICLE	IF	CITATIONS
1840	Counteracting the mutagenic effect of hydrolytic deamination of DNA 5-methylcytosine residues at high temperature: DNA mismatch N-glycosylase Mig.Mth of the thermophilic archaeon <i>Methanobacterium thermoautotrophicum</i> THF.. EMBO Journal, 1996, 15, 5459-5469.	7.8	73
1841	Nucleotide-dependent Movement of the $\hat{\mu}$ Subunit between $\hat{1}\pm$ and $\hat{1}^2$ Subunits in the Escherichia coli F1FO-type ATPase. Journal of Biological Chemistry, 1996, 271, 13888-13891.	3.4	95
1842	The sigma subunit of Escherichia coli RNA polymerase senses promoter spacing.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 8858-8862.	7.1	56
1843	A family of lysozyme-like virulence factors in bacterial pathogens of plants and animals.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 7321-7326.	7.1	116
1844	Identification and Characterization of Mutations in the <i>UPF1</i> Gene That Affect Nonsense Suppression and the Formation of the Upf Protein Complex but Not mRNA Turnover. Molecular and Cellular Biology, 1996, 16, 5491-5506.	2.3	146
1845	Modulation of the Thermosensing Profile of the Aspartate Receptor Tar by Covalent Modification of Its Methyl-accepting Sites. Journal of Biological Chemistry, 1996, 271, 17932-17936.	3.4	49
1846	Characteristics of orf1 and orf2 in the <i>anfHDGK</i> genomic region encoding nitrogenase 3 of <i>Azotobacter vinelandii</i> . Journal of Bacteriology, 1996, 178, 204-208.	2.2	17
1847	Transcriptional pulse-chase analysis reveals a role for a novel snRNP-associated protein in the manufacture of spliceosomal snRNPs.. EMBO Journal, 1996, 15, 4368-4379.	7.8	49
1848	The fork head product directly specifies the tissue-specific hormone responsiveness of the <i>Drosophila</i> Sgs-4 gene.. EMBO Journal, 1996, 15, 4825-4834.	7.8	67
1849	Hoxb-2 transcriptional activation in rhombomeres 3 and 5 requires an evolutionarily conserved cis-acting element in addition to the Krox-20 binding site.. EMBO Journal, 1996, 15, 5383-5396.	7.8	65
1850	Recovery of active beta-lactamases from <i>Proteus vulgaris</i> and RTEM-1 hybrid by random mutagenesis by using a <i>dnaQ</i> strain of <i>Escherichia coli</i> . Antimicrobial Agents and Chemotherapy, 1996, 40, 2152-2159.	3.2	8
1851	Ligand interactions with eukaryotic translation initiation factor 2: role of the gamma-subunit.. EMBO Journal, 1996, 15, 6311-6320.	7.8	90
1852	A long-range pseudoknot is required for activity of the <i>Neurospora</i> VS ribozyme.. EMBO Journal, 1996, 15, 2820-2825.	7.8	101
1853	Oligomerization and phosphorylation of the Ire1p kinase during intracellular signaling from the endoplasmic reticulum to the nucleus.. EMBO Journal, 1996, 15, 3028-3039.	7.8	35,118
1854	Spc110p: assembly properties and role in the connection of nuclear microtubules to the yeast spindle pole body.. EMBO Journal, 1996, 15, 4592-4602.	7.8	77
1855	The Exocyst is a multiprotein complex required for exocytosis in <i>Saccharomyces cerevisiae</i> .. EMBO Journal, 1996, 15, 6483-6494.	7.8	757
1856	Mutational analysis of VAMP domains implicated in Ca <sup>2+</sup> -induced insulin exocytosis.. EMBO Journal, 1996, 15, 6951-6959.	7.8	91
1857	Increased accommodation of nascent RNA in a product site on RNA polymerase II during arrest.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 6935-6940.	7.1	62

#	ARTICLE	IF	CITATIONS
1858	Two-step secretion of the <i>Serratia marcescens</i> extracellular nuclease. <i>Journal of Bacteriology</i> , 1996, 178, 3771-3778.	2.2	16
1859	Mutational analysis of a transmembrane segment in a bacterial chemoreceptor. <i>Journal of Bacteriology</i> , 1996, 178, 4651-4660.	2.2	24
1860	Spontaneous tandem sequence duplications reverse the thermal stability of carboxyl-terminal modified 3-isopropylmalate dehydrogenase. <i>Journal of Bacteriology</i> , 1996, 178, 6300-6304.	2.2	12
1861	Identification of a <i>Caulobacter crescentus</i> operon encoding <i>hrcA</i> , involved in negatively regulating heat-inducible transcription, and the chaperone gene <i>grpE</i> . <i>Journal of Bacteriology</i> , 1996, 178, 1829-1841.	2.2	126
1862	The open reading frame of bamboo mosaic potexvirus satellite RNA is not essential for its replication and can be replaced with a bacterial gene.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 3138-3142.	7.1	75
1863	Systematic mutagenesis of the active site omega loop of TEM-1 beta-lactamase. <i>Journal of Bacteriology</i> , 1996, 178, 1821-1828.	2.2	88
1864	Cleavage of sterol regulatory element binding proteins (SREBPs) by CPP32 during apoptosis.. <i>EMBO Journal</i> , 1996, 15, 1012-1020.	7.8	287
1865	Downstream box-anti-downstream box interactions are dispensable for translation initiation of leaderless mRNAs.. <i>EMBO Journal</i> , 1996, 15, 4740-4748.	7.8	56
1866	Mutants in the Exo I motif of <i>Escherichia coli</i> dnaQ: defective proofreading and inviability due to error catastrophe.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 2856-2861.	7.1	153
1867	Identification of a subdomain within DNA-(cytosine-C5)-methyltransferases responsible for the recognition of the 5' part of their DNA target.. <i>EMBO Journal</i> , 1996, 15, 1443-1450.	7.8	19
1868	Isolation and Characterization of TAF25, an Essential Yeast Gene That Encodes an RNA Polymerase II-specific TATA-binding Protein-associated Factor. <i>Journal of Biological Chemistry</i> , 1996, 271, 13706-13715.	3.4	54
1869	Requirement for c-Src Catalytic Activity and the SH3 Domain in Platelet-derived Growth Factor BB and Epidermal Growth Factor Mitogenic Signaling. <i>Journal of Biological Chemistry</i> , 1996, 271, 16798-16806.	3.4	116
1870	Dependence of agonist activation on a conserved apolar residue in the third intracellular loop of the AT1 angiotensin receptor.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 10040-10045.	7.1	35
1871	The translational function of nucleotide C1054 in the small subunit rRNA is conserved throughout evolution: genetic evidence in yeast.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 2517-2522.	7.1	37
1872	Defective dimerization of von Willebrand factor subunits due to a Cys-> Arg mutation in type IID von Willebrand disease.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 3581-3586.	7.1	86
1873	Association of Human Protein-tyrosine Phosphatase $\hat{\eta}$ with Members of the Armadillo Family. <i>Journal of Biological Chemistry</i> , 1996, 271, 16712-16719.	3.4	157
1874	Mutations in the alpha-amanitin conserved domain of the largest subunit of yeast RNA polymerase III affect pausing, RNA cleavage and transcriptional transitions.. <i>EMBO Journal</i> , 1996, 15, 618-629.	7.8	43
1875	Is the NAD(P)H:Flavin Oxidoreductase from a Member of the Ferredoxin-NADP+ Reductase Family?. <i>Journal of Biological Chemistry</i> , 1996, 271, 16656-16661.	3.4	32

#	ARTICLE	IF	CITATIONS
1876	A long-range RNA-RNA interaction forms a pseudoknot required for translational control of the IF3-L35-L20 ribosomal protein operon in <i>Escherichia coli</i> . <i>EMBO Journal</i> , 1996, 15, 4402-4413.	7.8	28
1877	Isolation and Analysis of the Yeast <i>TEA1</i> Gene, Which Encodes a Zinc Cluster Ty Enhancer-Binding Protein. <i>Molecular and Cellular Biology</i> , 1996, 16, 347-358.	2.3	28
1878	The <i>Drosophila</i> P-Element KP Repressor Protein Dimerizes and Interacts with Multiple Sites on P-Element DNA. <i>Molecular and Cellular Biology</i> , 1996, 16, 5616-5622.	2.3	76
1879	Differential Control of Transcription by Homologous Homeodomain Coregulators. <i>Molecular and Cellular Biology</i> , 1996, 16, 2967-2976.	2.3	27
1880	Exon 2-Mediated <i>c-myc</i> mRNA Decay In Vivo Is Independent of Its Translation. <i>Molecular and Cellular Biology</i> , 1996, 16, 5107-5116.	2.3	14
1881	Evidence for Two Catalytically Active Kinase Domains in pp90 <sup>rsk</sup> . <i>Molecular and Cellular Biology</i> , 1996, 16, 1212-1219.	2.3	182
1882	The Oct-1 POU-Specific Domain Can Stimulate Small Nuclear RNA Gene Transcription by Stabilizing the Basal Transcription Complex SNAP <sub>c</sub> . <i>Molecular and Cellular Biology</i> , 1996, 16, 1955-1965.	2.3	65
1883	Cloning, Sequence Analysis, and Expression in <i>Escherichia coli</i> of the Gene Encoding the <i>Candida utilis</i> Urate Oxidase (Uricase). <i>Journal of Biochemistry</i> , 1996, 120, 969-973.	1.7	46
1884	Analysis of the Promoter of the Auxin-Inducible Gene, <i>parC</i> , of Tobacco. <i>Plant and Cell Physiology</i> , 1996, 37, 906-913.	3.1	39
1885	A Novel Histone H4 Mutant Defective in Nuclear Division and Mitotic Chromosome Transmission. <i>Molecular and Cellular Biology</i> , 1996, 16, 1017-1026.	2.3	80
1886	The Extracellular Signal-Regulated Kinase Pathway Phosphorylates AML1, an Acute Myeloid Leukemia Gene Product, and Potentially Regulates Its Transactivation Ability. <i>Molecular and Cellular Biology</i> , 1996, 16, 3967-3979.	2.3	142
1887	Overexpression of an Activated <i>ras</i> G Gene during Growth Blocks the Initiation of <i>Dictyostelium</i> Development. <i>Molecular and Cellular Biology</i> , 1996, 16, 4156-4162.	2.3	38
1888	Identification of Amino Acids in the Hormone Binding Domain of the Human Estrogen Receptor Important in Estrogen Binding. <i>Journal of Biological Chemistry</i> , 1996, 271, 20053-20059.	3.4	99
1889	Regulated Nuclear Import of the <i>Drosophila</i> Rel Protein Dorsal: Structure-Function Analysis. <i>Molecular and Cellular Biology</i> , 1996, 16, 1103-1114.	2.3	38
1890	Regulation of the G-Protein-Coupled $\pm$ -Factor Pheromone Receptor by Phosphorylation. <i>Molecular and Cellular Biology</i> , 1996, 16, 247-257.	2.3	77
1891	The LIM Domain-Containing Dbm1 GTPase-Activating Protein Is Required for Normal Cellular Morphogenesis in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1996, 16, 1376-1390.	2.3	37
1892	Transcriptional Regulation of a Mouse Clara Cell-Specific Protein (mCC10) Gene by the NKx Transcription Factor Family Members Thyroid Transcription Factor 1 and Cardiac Muscle-Specific Homeobox Protein (CSX). <i>Molecular and Cellular Biology</i> , 1996, 16, 2056-2064.	2.3	96
1893	Functional Mapping of the Translation-Dependent Instability Element of Yeast <i>MAT<math>\pm</math>1</i> mRNA. <i>Molecular and Cellular Biology</i> , 1996, 16, 3833-3843.	2.3	40

#	ARTICLE	IF	CITATIONS
1894	HHR23B, a Human Rad23 Homolog, Stimulates XPC Protein in Nucleotide Excision Repair In Vitro. <i>Molecular and Cellular Biology</i> , 1996, 16, 4852-4861.	2.3	154
1895	Rpo26p, a Subunit Common to Yeast RNA Polymerases, Is Essential for the Assembly of RNA Polymerases I and II and for the Stability of the Largest Subunits of These Enzymes. <i>Molecular and Cellular Biology</i> , 1996, 16, 5985-5996.	2.3	39
1896	A Nascent Secretory Protein 5 Traverse the Ribosome/Endoplasmic Reticulum Translocase Complex as an Extended Chain. <i>Journal of Biological Chemistry</i> , 1996, 271, 6241-6244.	3.4	133
1897	Selection and Characterization of Amino Acid Substitutions at Residues 237-240 of TEM-1 $\beta$ -Lactamase with Altered Substrate Specificity for Aztreonam and Ceftazidime. <i>Journal of Biological Chemistry</i> , 1996, 271, 22538-22545.	3.4	64
1898	Role of the propilin leader peptide in the maturation of F pilin. <i>Journal of Bacteriology</i> , 1996, 178, 3748-3754.	2.2	16
1899	Structure-function relationships among wild-type variants of <i>Staphylococcus aureus</i> beta-lactamase: importance of amino acids 128 and 216. <i>Journal of Bacteriology</i> , 1996, 178, 7248-7253.	2.2	28
1900	Regulation of product chain length by isoprenyl diphosphate synthases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 15018-15023.	7.1	331
1901	Cloning of thermostable DNA polymerases from hyperthermophilic marine Archaea with emphasis on <i>Thermococcus</i> sp. 9 degrees N-7 and mutations affecting 3'-5' exonuclease activity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 5281-5285.	7.1	82
1902	Repressor for the sn-glycerol 3-phosphate regulon of <i>Escherichia coli</i> K-12: primary structure and identification of the DNA-binding domain. <i>Journal of Bacteriology</i> , 1996, 178, 7080-7089.	2.2	65
1903	Cytoplasmic Localization of Mitogen-activated Protein Kinase Kinase Directed by Its NH2-terminal, Leucine-rich Short Amino Acid Sequence, Which Acts as a Nuclear Export Signal. <i>Journal of Biological Chemistry</i> , 1996, 271, 20024-20028.	3.4	301
1904	Mutation of Amino Acid Residues in the Putative Transmembrane Segments of the Cardiac Sarcolemmal Na <sup>+</sup> -Ca <sup>2+</sup> Exchanger. <i>Journal of Biological Chemistry</i> , 1996, 271, 13385-13391.	3.4	129
1905	[28] Site-directed mutagenic analysis of viral polymerases and related proteins. <i>Methods in Enzymology</i> , 1996, 275, 538-555.	1.0	5
1906	Engineering human immunodeficiency virus 1 protease heterodimers as macromolecular inhibitors of viral maturation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 11477-11481.	7.1	38
1907	Engineering actin-resistant human DNase I for treatment of cystic fibrosis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 8225-8229.	7.1	82
1908	Redesigning secondary structure to invert coenzyme specificity in isopropylmalate dehydrogenase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 12171-12176.	7.1	76
1909	Dual function of PilS during transcriptional activation of the <i>Pseudomonas aeruginosa</i> pilin subunit gene. <i>Journal of Bacteriology</i> , 1996, 178, 831-839.	2.2	45
1910	Multidrug resistance proteins QacA and QacB from <i>Staphylococcus aureus</i> : membrane topology and identification of residues involved in substrate specificity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 3630-3635.	7.1	281
1911	Multicopy suppressors of prc mutant <i>Escherichia coli</i> include two HtrA (DegP) protease homologs (HhoAB), DksA, and a truncated RlpA. <i>Journal of Bacteriology</i> , 1996, 178, 1154-1161.	2.2	152

#	ARTICLE	IF	CITATIONS
1912	Fatty acid binding and conformational stability of mutants of human muscle fatty acid-binding protein. <i>Biochemical Journal</i> , 1996, 314, 253-260.	3.7	42
1913	Mutations of recombinant rat liver fatty acid-binding protein at residues 102 and 122 alter its structural integrity and affinity for physiological ligands. <i>Biochemical Journal</i> , 1996, 314, 943-949.	3.7	28
1914	Functional domains of chlamydial histone H1-like protein. <i>Biochemical Journal</i> , 1996, 315, 481-486.	3.7	11
1915	Probing the S-adenosylmethionine-binding site of rat guanidinoacetate methyltransferase. Effect of site-directed mutagenesis of residues that are conserved across mammalian non-nucleic acid methyltransferases. Effect of site-directed mutagenesis of residues that are conserved across mammalian non-nucleic acid methyltransferases. <i>Biochemical Journal</i> , 1996, 317, 141-145.	3.7	31
1916	Type-III procollagen assembly in semi-intact cells: chain association, nucleation and triple-helix folding do not require formation of inter-chain disulphide bonds but triple-helix nucleation does require hydroxylation. <i>Biochemical Journal</i> , 1996, 317, 195-202.	3.7	70
1917	Transcriptional regulation of the rat fatty acid synthase gene: identification and functional analysis of positive and negative effectors of basal transcription. <i>Biochemical Journal</i> , 1996, 317, 257-265.	3.7	12
1918	Novel human DNA alkyltransferases obtained by random substitution and genetic selection in bacteria.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 6124-6128.	7.1	43
1919	Degradation of CYC1 mRNA in the yeast <i>Saccharomyces cerevisiae</i> does not require translation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 8895-8900.	7.1	8
1920	Interaction of calcineurin with a domain of the transcription factor NFAT1 that controls nuclear import.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 8907-8912.	7.1	164
1921	A sequential dimerization mechanism for erythropoietin receptor activation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 9471-9476.	7.1	74
1922	Histone H1 overexpressed to high level in tobacco affects certain developmental programs but has limited effect on basal cellular functions.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 10250-10255.	7.1	36
1923	Large-scale isolation of candidate virulence genes of <i>Pseudomonas aeruginosa</i> by in vivo selection.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 10434-10439.	7.1	175
1924	Studies using double mutants of the conformational transitions in influenza hemagglutinin required for its membrane fusion activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 12873-12878.	7.1	62
1925	The expression of E.coli threonyl-tRNA synthetase is regulated at the translational level by symmetrical operator-repressor interactions.. <i>EMBO Journal</i> , 1996, 15, 5976-5987.	7.8	52
1926	Identification and characterization of HslV HslU (ClpQ ClpY) proteins involved in overall proteolysis of misfolded proteins in <i>Escherichia coli</i> .. <i>EMBO Journal</i> , 1996, 15, 6899-6909.	7.8	151
1927	Identification of a cytoplasm to vacuole targeting determinant in aminopeptidase I.. <i>Journal of Cell Biology</i> , 1996, 132, 999-1010.	5.2	92
1928	A pathway for targeting soluble misfolded proteins to the yeast vacuole.. <i>Journal of Cell Biology</i> , 1996, 135, 623-633.	5.2	171
1929	Mutagenesis study to ameliorate the bacterial expression of phosphoprotein P of vesicular stomatitis virus. <i>Journal of Biosciences</i> , 1996, 21, 687-697.	1.1	0



#	ARTICLE	IF	CITATIONS
1930	A detailed mutational analysis of the VSG gene expression site promoter. <i>Molecular and Biochemical Parasitology</i> , 1996, 75, 241-254.	1.1	35
1931	Methylenetetrahydrofolate dehydrogenase-cyclohydrolase from <i>Photobacterium phosphoreum</i> shares properties with a mammalian mitochondrial homologue. <i>BBA - Proteins and Proteomics</i> , 1996, 1296, 47-54.	2.1	8
1932	Site-directed mutagenesis of putative catalytic and nucleotide binding sites in N10-formyltetrahydrofolate synthetase. <i>BBA - Proteins and Proteomics</i> , 1996, 1296, 112-120.	2.1	3
1933	Site-directed mutagenesis of rat hepatic hydroxysteroid sulfotransferases. <i>BBA - Proteins and Proteomics</i> , 1996, 1296, 159-166.	2.1	16
1934	Functional promoter elements common to ribosomal protein and ribosomal RNA genes in <i>Neurospora crassa</i> . <i>Molecular Genetics and Genomics</i> , 1996, 253, 205-216.	2.4	7
1935	Conserved sequence motifs in the unorthodox BvgS two-component sensor protein of <i>Bordetella pertussis</i> . <i>Molecular Genetics and Genomics</i> , 1996, 252, 169-176.	2.4	22
1936	Initial characterization of autoprocessing and active-center mutants of CMV proteinase. <i>The Protein Journal</i> , 1996, 15, 763-774.	1.1	8
1937	Transcription of <i>mutS</i> and <i>mutL</i> -homologous genes in <i>Saccharomyces cerevisiae</i> during the cell cycle. <i>Molecular Genetics and Genomics</i> , 1996, 252, 275-283.	2.4	22
1938	A ribozyme gene and an antisense gene are equally effective in conferring resistance to tobacco mosaic virus on transgenic tobacco. <i>Molecular Genetics and Genomics</i> , 1996, 250, 329-338.	2.4	39
1939	Contribution of Individual Tryptophan Residues to the Structure and Activity of theta-Toxin (Perfringolysin O), A Cholesterol-Binding Cytolysin. <i>FEBS Journal</i> , 1996, 241, 941-947.	0.2	103
1940	A Site-Directed Mutagenesis Study of <i>Saccharomyces cerevisiae</i> Pyrophosphatase. Functional Conservation of the Active Site of Soluble Inorganic Pyrophosphatases. <i>FEBS Journal</i> , 1996, 239, 138-143.	0.2	54
1941	Site-Specific Replacement of Amino Acid Residues in the CD Site of Rat Parvalbumin Changes the Metal Specificity of this $\text{Ca}^{2+}/\text{Mg}^{2+}$ -Mixed Site Toward a $\text{Ca}^{2+}$ -Specific Site. <i>FEBS Journal</i> , 1996, 242, 249-255.	0.2	18
1942	The Basic Region/Helix-Loop-Helix/Leucine Repeat Transcription Factor USF Interferes with Ras Transformation. <i>FEBS Journal</i> , 1996, 241, 249-253.	0.2	31
1943	Synthetic Alleles at Position 121 Define a Functional Domain of Human Interleukin-1 $\beta$ . <i>FEBS Journal</i> , 1996, 238, 308-316.	0.2	5
1944	L-Aspartate Oxidase from <i>Escherichia coli</i> . I. Characterization of Coenzyme Binding and Product Inhibition. <i>FEBS Journal</i> , 1996, 239, 418-426.	0.2	44
1945	Flavin Motion in p-Hydroxybenzoate Hydroxylase. Substrate and Effector Specificity of the Tyr222Ala Mutant. <i>FEBS Journal</i> , 1996, 237, 592-600.	0.2	11
1946	Conformational Transitions within the Calmodulin-Binding Site of <i>Bordetella pertussis</i> Adenylate Cyclase Studied by Time-Resolved Fluorescence of Trp242 and Circular Dichroism. <i>FEBS Journal</i> , 1996, 237, 619-628.	0.2	15
1947	Systematic Mutational Analysis of the Receptor-Binding Region of the Human Urokinase-Type Plasminogen Activator. <i>FEBS Journal</i> , 1996, 237, 743-751.	0.2	64

#	ARTICLE	IF	CITATIONS
1948	Cys5 and Cys214 of NAD(P)H:Flavin Oxidoreductase from Escherichia coli are Located in the Active Site. FEBS Journal, 1996, 237, 870-875.	0.2	6
1949	Construction of a dimeric form of glutamate dehydrogenase from Clostridium symbiosum by site-directed mutagenesis. BBA - Proteins and Proteomics, 1996, 1297, 149-158.	2.1	13
1950	Mutational analysis of human uroporphyrinogen decarboxylase. BBA - Proteins and Proteomics, 1996, 1298, 294-304.	2.1	18
1951	Aromatic interactions define the binding of the alphavirus spike to its nucleocapsid. Structure, 1996, 4, 519-529.	3.3	112
1952	New loop-loop tertiary interactions in self-splicing introns of subgroup IC and ID: a complete 3D model of the Tetrahymena thermophila ribozyme. Chemistry and Biology, 1996, 3, 993-1009.	6.0	280
1953	Contribution of the intramolecular disulfide bridge to the folding stability of REIv, the variable domain of a human immunoglobulin Î² light chain. Folding & Design, 1996, 1, 431-440.	4.5	61
1955	Isolated recombinant domain of von Willebrand factor displaying increased sensitivity to ristocetin. , 1996, 52, 248-253.		2
1956	Crystallization and preliminary x-ray diffraction studies of human procathepsin L. , 1996, 25, 398-400.		9
1957	Requirements for perpendicular helix pairing. , 1996, 26, 95-107.		4
1958	The effect of water activity on the association constant and the enthalpy of reaction between lysozyme and the specific antibodies D1.3 and D44.1. , 1996, 9, 6-12.		58
1959	Mutagenesis of ser41 to ala inhibits the association of GAP-43 with the membrane skeleton of GAP-43-deficient PC12B cells: Effects on cell adhesion and the composition of neurite cytoskeleton and membrane. , 1996, 29, 213-232.		32
1960	Selection of the most active enzymes from a mixture of phage-displayed Î²-lactamase mutants. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 789-792.	2.2	23
1961	Expression of poplar phenylalanine ammonia-lyase in insect cell cultures. Phytochemistry, 1996, 41, 1259-1263.	2.9	18
1962	Histidine-tryptophan interactions in T4 lysozyme: â€˜Anomalousâ€™ pH dependence of fluorescence. Biophysical Chemistry, 1996, 63, 17-25.	2.8	21
1963	Roles of cysteine residues of DsbB in its activity to reoxidize DsbA, the protein disulphide bond catalyst of Escherichia coli. Genes To Cells, 1996, 1, 201-208.	1.2	49
1964	The luminal loop connecting transmembrane helices I and II of the D1 polypeptide is important for assembly of the photosystem two complex. Photosynthesis Research, 1996, 50, 79-91.	2.9	4
1965	Ethylene control of E4 transcription during tomato fruit ripening involves two cooperative cis elements. Plant Molecular Biology, 1996, 31, 1117-1127.	3.9	66
1966	Interactions between the regulatory regions of two Adh alleles. Genetica, 1996, 97, 1-14.	1.1	2

#	ARTICLE	IF	CITATIONS
1967	Mutational studies of conserved residues in the dimer interface of nerve growth factor. <i>Protein Science</i> , 1996, 5, 447-455.	7.6	11
1968	Structural similarity between ornithine and aspartate transcarbamoylases of <i>Escherichia coli</i> : Characterization of the active site and evidence for an interdomain carboxy-terminal helix in ornithine transcarbamoylase. <i>Protein Science</i> , 1996, 5, 709-718.	7.6	14
1969	Structural similarity between ornithine and aspartate transcarbamoylases of <i>Escherichia coli</i> : Implications for domain switching. <i>Protein Science</i> , 1996, 5, 719-728.	7.6	9
1970	<sup>4</sup> Å Oxalocrotonate tautomerase, a 41 kDa homo-hexamer: Backbone and side-chain resonance assignments, solution secondary structure, and location of active site residues by heteronuclear NMR spectroscopy. <i>Protein Science</i> , 1996, 5, 729-741.	7.6	18
1971	Probing the structure of the linker connecting the reductase and heme domains of cytochrome P450BM <sub>3</sub> using site-directed mutagenesis. <i>Protein Science</i> , 1996, 5, 1389-1393.	7.6	28
1972	Preparation and properties of pure, full-length IclR protein of <i>Escherichia coli</i> . Use of time-of-flight mass spectrometry to investigate the problems encountered. <i>Protein Science</i> , 1996, 5, 1613-1624.	7.6	13
1973	Contribution of a tyrosine side chain to ribonuclease A catalysis and stability—Contribution of Tyr 97 to RNase A catalysis and stability. <i>Protein Science</i> , 1996, 5, 1697-1703.	7.6	41
1974	Evidence for an active site pig kidney fructose 1,6-bisphosphatase: Interface residue Lys <sup>42</sup> is important for allosteric inhibition and AMP cooperativity. <i>Protein Science</i> , 1996, 5, 2333-2342.	7.6	21
1975	mRNA sequences influencing translation and the selection of AUG initiator codons in the yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular Microbiology</i> , 1996, 19, 1225-1239.	2.5	59
1976	Integration of SecA protein into the <i>Escherichia coli</i> inner membrane is regulated by its amino-terminal ATP-binding domain. <i>Molecular Microbiology</i> , 1996, 20, 43-51.	2.5	41
1977	The cytosolic SycE and SycH chaperones of <i>Yersinia</i> protect the region of YopE and YopH involved in translocation across eukaryotic cell membranes. <i>Molecular Microbiology</i> , 1996, 20, 1261-1271.	2.5	167
1978	Identification of two regions of <i>Klebsiella oxytoca</i> pullulanase that together are capable of promoting $\beta$ -lactamase secretion by the general secretory pathway. <i>Molecular Microbiology</i> , 1996, 22, 1-7.	2.5	86
1979	Protein folding and calcium binding defects arising from familial hypercholesterolemia mutations of the LDL receptor. <i>Nature Structural and Molecular Biology</i> , 1996, 3, 758-762.	8.2	114
1980	Effect of disulfide bonds on the structure, function, and stability of the trypsin/tPA inhibitor from <i>Erythrina caffra</i> : Site-directed mutagenesis, expression, and physicochemical characterization. <i>Nature Biotechnology</i> , 1996, 14, 476-480.	17.5	24
1981	RGS10 is a selective activator of G $\alpha$ i GTPase activity. <i>Nature</i> , 1996, 383, 175-177.	27.8	346
1982	Functional analysis of the DNA-stimulated ATPase domain of yeast SWI2/SNF2. <i>Nucleic Acids Research</i> , 1996, 24, 3685-3692.	14.5	121
1983	The Mutation Gly142 $\rightarrow$ Glu in Human Lipoprotein Lipase Produces a Missorted Protein That Is Diverted to Lysosomes. <i>Journal of Biological Chemistry</i> , 1996, 271, 2139-2146.	3.4	33
1984	Connexin 32 mutations from X-linked Charcot-Marie-Tooth disease patients: functional defects and dominant negative effects.. <i>Molecular Biology of the Cell</i> , 1996, 7, 907-916.	2.1	164

#	ARTICLE	IF	CITATIONS
1985	Complementation of RNA Binding Site Mutations in MS2 Coat Protein Heterodimers. <i>Nucleic Acids Research</i> , 1996, 24, 2352-2359.	14.5	64
1986	Targeting of Two Arabidopsis H <sup>+</sup> -ATPase Isoforms to the Plasma Membrane. <i>Plant Physiology</i> , 1996, 112, 833-844.	4.8	79
1987	Identification, Characterization, and Cloning of a Phosphonate Monoester Hydrolase from <i>Burkholderia caryophylli</i> PG2982. <i>Journal of Biological Chemistry</i> , 1996, 271, 25754-25761.	3.4	41
1988	A DNA binding activity for one of two closely defined phytochrome regulatory elements in an Lhcb promoter is more abundant in etiolated than in green plants.. <i>Plant Cell</i> , 1996, 8, 31-41.	6.6	72
1989	Characterization and Analysis of Conserved Motifs in a Peroxisomal ATP-binding Cassette Transporter. <i>Journal of Biological Chemistry</i> , 1996, 271, 8725-8730.	3.4	57
1990	The Role of the Four Ca <sup>2+</sup> Binding Sites of Troponin C in the Regulation of Skeletal Muscle Contraction. <i>Journal of Biological Chemistry</i> , 1996, 271, 8381-8386.	3.4	56
1991	Identification of Residues of Spinach Thioredoxin f That Influence Interactions with Target Enzymes. <i>Journal of Biological Chemistry</i> , 1996, 271, 24736-24740.	3.4	70
1992	Spc42p: a phosphorylated component of the <i>S. cerevisiae</i> spindle pole body (SPD) with an essential function during SPB duplication.. <i>Journal of Cell Biology</i> , 1996, 132, 887-901.	5.2	144
1993	Mutation spectra of TA*, the major photoproduct of thymidyl-(3'5')- deoxyadenosine, in <i>Escherichia coli</i> under SOS conditions. <i>Nucleic Acids Research</i> , 1996, 24, 1561-1565.	14.5	35
1994	Proliferating Cell Nuclear Antigen Mutations Affect DNA Polymerase $\epsilon$ Processivity. <i>Journal of Biological Chemistry</i> , 1996, 271, 15971-15980.	3.4	40
1995	Genes that control the fidelity of endoplasmic reticulum to Golgi transport identified as suppressors of vesicle budding mutations.. <i>Molecular Biology of the Cell</i> , 1996, 7, 1043-1058.	2.1	152
1996	Analysis of the Binding of <i>Xenopus</i> Transcription Factor IIIA to Oocyte 5 S rRNA and to the 5 S rRNA Gene. <i>Journal of Biological Chemistry</i> , 1996, 271, 869-877.	3.4	22
1997	Intragenic Suppressors of P-loop Mutations in the $\epsilon$ -Subunit of the Mitochondrial ATPase in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 11844-11851.	3.4	5
1998	dNTP Binding to HIV-1 Reverse Transcriptase and Mammalian DNA Polymerase $\epsilon$ as Revealed by Affinity Labeling with a Photoreactive dNTP Analog. <i>Journal of Biological Chemistry</i> , 1996, 271, 21891-21897.	3.4	31
1999	Modular nature of abscisic acid (ABA) response complexes: composite promoter units that are necessary and sufficient for ABA induction of gene expression in barley.. <i>Plant Cell</i> , 1996, 8, 1107-1119.	6.6	317
2000	High resolution analysis of the readthrough domain of beet necrotic yellow vein virus readthrough protein: a KTER motif is important for efficient transmission of the virus by <i>Polymyxa betae</i> . <i>Journal of General Virology</i> , 1996, 77, 1359-1367.	2.9	95
2001	Deoxy- and Dideoxynucleotide Discrimination and Identification of Critical 5' Nuclease Domain Residues of the DNA Polymerase I from <i>Mycobacterium Tuberculosis</i> . <i>Nucleic Acids Research</i> , 1996, 24, 4845-4852.	14.5	38
2002	Intrinsic Activity and Stability of Bifunctional Human UMP Synthase and Its Two Separate Catalytic Domains, Orotate Phosphoribosyltransferase and Orotidine-5'-phosphate Decarboxylase. <i>Journal of Biological Chemistry</i> , 1996, 271, 10704-10708.	3.4	46

#	ARTICLE	IF	CITATIONS
2003	The $\beta$ -Galactosidase ( ) Reaction Is Partly Facilitated by Interactions of His-540 with the C6 Hydroxyl of Galactose. <i>Journal of Biological Chemistry</i> , 1996, 271, 14296-14301.	3.4	22
2004	Redox-sensitive homodimerization of Pex11p: a proposed mechanism to regulate peroxisomal division.. <i>Journal of Cell Biology</i> , 1996, 135, 123-137.	5.2	101
2005	A Segment of Five Amino Acids in the Second Extracellular Loop of the Cholecystokinin-B Receptor Is Essential for Selectivity of the Peptide Agonist Gastrin. <i>Journal of Biological Chemistry</i> , 1996, 271, 14698-14706.	3.4	58
2006	The sorting sequence of the peroxisomal integral membrane protein PMP47 is contained within a short hydrophilic loop.. <i>Journal of Cell Biology</i> , 1996, 133, 269-280.	5.2	166
2007	Role of calmodulin and Spc110p interaction in the proper assembly of spindle pole body compenents.. <i>Journal of Cell Biology</i> , 1996, 133, 111-124.	5.2	93
2008	A GTPase distinct from Ran is involved in nuclear protein import.. <i>Journal of Cell Biology</i> , 1996, 133, 971-983.	5.2	53
2009	Identification of a Region of <i>Bacillus subtilis</i> Ffh, a Homologue of Mammalian SRP54 Protein, That Is Essential for Binding to Small Cytoplasmic RNA. <i>Journal of Biological Chemistry</i> , 1996, 271, 13140-13146.	3.4	37
2010	Membrane integration of in vitro-translated gap junctional proteins: co- and post-translational mechanisms.. <i>Molecular Biology of the Cell</i> , 1996, 7, 471-482.	2.1	75
2011	The 110-kD spindle pole body component of <i>Saccharomyces cerevisiae</i> is a phosphoprotein that is modified in a cell cycle-dependent manner.. <i>Journal of Cell Biology</i> , 1996, 132, 903-914.	5.2	45
2012	Functionally redundant interactions between U2 and U6 spliceosomal snRNAs.. <i>Genes and Development</i> , 1996, 10, 489-501.	5.9	37
2013	Turnover of cyclin E by the ubiquitin-proteasome pathway is regulated by cdk2 binding and cyclin phosphorylation.. <i>Genes and Development</i> , 1996, 10, 1979-1990.	5.9	430
2014	Rate and Equilibrium Constants for Phosphoryltransfer between Active Site Histidines of <i>Escherichia coli</i> HPr and the Signal Transducing Protein IIGlc. <i>Journal of Biological Chemistry</i> , 1996, 271, 33440-33445.	3.4	19
2015	Amino acid permeases require COPII components and the ER resident membrane protein Shr3p for packaging into transport vesicles in vitro.. <i>Journal of Cell Biology</i> , 1996, 135, 585-595.	5.2	110
2016	Phosphorylation of Vif and Its Role in HIV-1 Replication. <i>Journal of Biological Chemistry</i> , 1996, 271, 10121-10129.	3.4	103
2017	Imparting Exquisite Specificity to Peanut Agglutinin for the Tumor-associated Thomsen-Friedenreich Antigen by Redesign of Its Combining Site. <i>Journal of Biological Chemistry</i> , 1996, 271, 21209-21213.	3.4	45
2018	Bacteriophage T4 Anaerobic Ribonucleotide Reductase Contains a Stable Glycyl Radical at Position 580. <i>Journal of Biological Chemistry</i> , 1996, 271, 20770-20775.	3.4	51
2019	Regulated Breathless receptor tyrosine kinase activity required to pattern cell migration and branching in the <i>Drosophila</i> tracheal system.. <i>Genes and Development</i> , 1996, 10, 2912-2921.	5.9	136
2020	Characterization of the cDNA and Gene Coding for the Biotin Synthase of <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 1996, 110, 1021-1028.	4.8	38

#	ARTICLE	IF	CITATIONS
2021	N-terminal Mutants of Chloroplast Cytochrome f. Journal of Biological Chemistry, 1996, 271, 6225-6232.	3.4	24
2022	Sequence Requirements for Mitochondrial Import of Yeast Cytochrome c. Journal of Biological Chemistry, 1996, 271, 6594-6604.	3.4	36
2023	Sequence Divergence Associated with Species-specific Splicing of the Nonmuscle $\beta$ -Tropomyosin Alternative Exon. Journal of Biological Chemistry, 1996, 271, 11511-11517.	3.4	11
2024	Chimeric Mutagenesis of Putative G-protein Coupling Domains of the $\beta$ 2A-Adrenergic Receptor. Journal of Biological Chemistry, 1996, 271, 12826-12832.	3.4	80
2025	An Isoleucine to Valine Substitution in Acyl Carrier Protein Results in a Functional Protein of Decreased Molecular Radius at Elevated pH. Journal of Biological Chemistry, 1996, 271, 15905-15910.	3.4	20
2026	Interferon- $\gamma$ -dependent Activation of Tyk2 Requires Phosphorylation of Positive Regulatory Tyrosines by Another Kinase. Journal of Biological Chemistry, 1996, 271, 20494-20500.	3.4	162
2027	Structural Topology of Transmembrane Helix 10 in the Lactose Permease of Escherichia coli. Journal of Biological Chemistry, 1996, 271, 21927-21932.	3.4	6
2028	Misincorporation by HIV-1 Reverse Transcriptase Promotes Recombination via Strand Transfer Synthesis. Journal of Biological Chemistry, 1996, 271, 22331-22338.	3.4	30
2029	Determination of the Transmembrane Topology of Yeast Sec61p, an Essential Component of the Endoplasmic Reticulum Translocation Complex. Journal of Biological Chemistry, 1996, 271, 25590-25597.	3.4	134
2030	GroEL Locked in a Closed Conformation by an Interdomain Cross-link Can Bind ATP and Polypeptide but Cannot Process Further Reaction Steps. Journal of Biological Chemistry, 1996, 271, 28229-28234.	3.4	50
2031	Direct Binding of the Proline-rich Region of Protein Tyrosine Phosphatase 1B to the Src Homology 3 Domain of p130Cas. Journal of Biological Chemistry, 1996, 271, 31290-31295.	3.4	243
2032	Role of the Thrombin Receptor's Cytoplasmic Tail in Intracellular Trafficking. Journal of Biological Chemistry, 1996, 271, 32874-32880.	3.4	123
2033	Altered Structural and Mechanistic Properties of Mutant Dihydropteridine Reductases. Journal of Biological Chemistry, 1996, 271, 3437-3444.	3.4	18
2034	Dyrk, a Dual Specificity Protein Kinase with Unique Structural Features Whose Activity Is Dependent on Tyrosine Residues between Subdomains VII and VIII. Journal of Biological Chemistry, 1996, 271, 3488-3495.	3.4	231
2035	Identification of the cysteine residues involved in the class I disulfide bonds of the human insulin receptor: properties of insulin receptor monomers.. Molecular Biology of the Cell, 1996, 7, 679-691.	2.1	25
2036	Another Heritage from the RNA World: Self-Excision of Intron Sequences from Nuclear Pre-tRNAs. Nucleic Acids Research, 1996, 24, 2212-2219.	14.5	18
2037	Sequences involved in the dimerisation of human T cell leukaemia virus type-1 RNA. Nucleic Acids Research, 1996, 24, 2919-2923.	14.5	22
2038	p53 Regulates the Minimal Promoter of the Human Topoisomerase II $\alpha$ Gene. Nucleic Acids Research, 1996, 24, 4464-4470.	14.5	83



#	ARTICLE	IF	CITATIONS
2039	Beet necrotic yellow vein virus 42 kDa triple gene block protein binds nucleic acid in vitro. Journal of General Virology, 1996, 77, 889-897.	2.9	66
2040	Molecular Determinants of the Clearance Function of Type C Receptors of Natriuretic Peptides. Journal of Biological Chemistry, 1996, 271, 9863-9869.	3.4	65
2041	Engineering a Mineralocorticoid- to a Glucocorticoid-synthesizing Cytochrome P450. Journal of Biological Chemistry, 1996, 271, 8028-8033.	3.4	43
2042	The G alpha i homologue gna-1 controls multiple differentiation pathways in Neurospora crassa.. Molecular Biology of the Cell, 1996, 7, 1283-1297.	2.1	132
2043	The sequence NPFXD defines a new class of endocytosis signal in Saccharomyces cerevisiae.. Journal of Cell Biology, 1996, 135, 1789-1800.	5.2	105
2044	Sequence and transmembrane topology of MEC-4, an ion channel subunit required for mechanotransduction in Caenorhabditis elegans.. Journal of Cell Biology, 1996, 133, 1071-1081.	5.2	105
2045	The Role of the Carboxyl-terminal Amino Acid Residues in Escherichia coli DNA Topoisomerase III-mediated Catalysis. Journal of Biological Chemistry, 1996, 271, 9039-9045.	3.4	28
2046	The 24 kDa Proteinases of Comoviruses are Virus-specific in cis as Well as in trans. Journal of General Virology, 1996, 77, 2365-2369.	2.9	8
2047	Mutational analysis of the human nucleotide excision repair gene ERCC1. Nucleic Acids Research, 1996, 24, 3370-3380.	14.5	93
2048	Cell type-specific roles for Cdc42, Rac, and RhoL in Drosophila oogenesis.. Journal of Cell Biology, 1996, 133, 617-630.	5.2	203
2049	Identification of an Inverted CCAAT Box Motif in the Fatty-acid Synthase Gene as an Essential Element for Mediation of Transcriptional Regulation by cAMP. Journal of Biological Chemistry, 1996, 271, 2307-2312.	3.4	65
2050	Identification of a Second Conserved Element Within the Coding Sequence of a Mouse H3 Histone Gene That Interacts With Nuclear Factors and Is Necessary for Normal Expression. Nucleic Acids Research, 1996, 24, 523-531.	14.5	19
2051	Acid Proteinase Secreted by Candida Tropicalis: Functional Analysis of Preproregion Cleavages in C. Tropicalis and Saccharomyces Cerevisiae. Microbiology (United Kingdom), 1996, 142, 493-503.	1.8	48
2052	Thrombin Receptor Activating Mutations. Journal of Biological Chemistry, 1996, 271, 702-706.	3.4	97
2053	Combinatorial mutagenesis analysis of residues in the channel constriction loop L3 and neighbouring Î²-strands in the LamB glycoporin of Escherichia coli. Molecular Membrane Biology, 1996, 13, 41-48.	2.0	1
2054	TheCYP2B1Proximal Promoter Contains a Functional C/EBP Regulatory Element. DNA and Cell Biology, 1996, 15, 693-701.	1.9	42
2055	The Role of the Nonconserved Residues at Position 167 of Class A Î²-Lactamases in Susceptibility to Mechanism-Based Inhibitors. Microbial Drug Resistance, 1996, 2, 261-268.	2.0	1
2056	[13] Viral polymerase-associated 5' 3'-exonucleases: Expression, purification, and uses. Methods in Enzymology, 1996, 275, 227-238.	1.0	5

#	ARTICLE	IF	CITATIONS
2057	The Structural Basis of Monoclonal Antibody Alz50's Selectivity for Alzheimer's Disease Pathology. Journal of Biological Chemistry, 1996, 271, 32789-32795.	3.4	373
2058	Design, Synthesis, and Resistance Patterns of MP-134 and MP-167, Two Novel Inhibitors of HIV Type 1 Protease. AIDS Research and Human Retroviruses, 1996, 12, 55-61.	1.1	8
2059	Structural Determinants of the Specificity for Synaptic Vesicle-associated Membrane Protein/Synaptobrevin of Tetanus and Botulinum Type B and G Neurotoxins. Journal of Biological Chemistry, 1996, 271, 20353-20358.	3.4	107
2060	Fast and Slow Cyclic Nucleotide-dissociation Sites in cAMP-dependent Protein Kinase Are Transposed in Type II <sup>2</sup> cGMP-dependent Protein Kinase. Journal of Biological Chemistry, 1996, 271, 17570-17575.	3.4	52
2061	Modified Ligands to FA and FB in Photosystem I. Journal of Biological Chemistry, 1996, 271, 31135-31144.	3.4	27
2062	Alanine Substitution for Thr268 and Asp269 of Soluble Ciliary Neurotrophic Factor (CNTF) Receptor $\hat{1}$ Component Defines a Specific Antagonist for the CNTF Response. Journal of Biological Chemistry, 1996, 271, 26049-26056.	3.4	9
2063	Loop Replacement and Random Mutagenesis of -Loop D, Residues 70 84, in Iso-1-cytochrome c. Journal of Biological Chemistry, 1996, 271, 8633-8645.	3.4	24
2064	Inactivation of Calmodulin-dependent Protein Kinase IV by Autophosphorylation of Serine 332 within the Putative Calmodulin-binding Domain. Journal of Biological Chemistry, 1996, 271, 6903-6910.	3.4	21
2065	Expression and Characterization of the Flavoprotein Subcomplex Composed of 50-kDa (NQO1) and 25-kDa (NQO2) Subunits of the Proton-translocating NADH-Quinone Oxidoreductase of Paracoccus denitrificans. Journal of Biological Chemistry, 1996, 271, 5907-5913.	3.4	56
2066	A novel, bipartite transit peptide targets OEP75 to the outer membrane of the chloroplastic envelope.. Plant Cell, 1996, 8, 2093-2104.	6.6	105
2067	Lipoylation of Acyltransferase Components of $\hat{1}$ -Ketoacid Dehydrogenase Complexes. Journal of Biological Chemistry, 1996, 271, 12932-12936.	3.4	36
2068	Addition of Nucleotides Similar to Deleted CAA Repeats in the 5' Non-coding Region of Tomato Mosaic Virus RNA Following Propagation. Journal of General Virology, 1996, 77, 2353-2357.	2.9	5
2069	Localization of the Effector-specifying Regions of Gi2 $\hat{1}$ and Gq $\hat{1}$ . Journal of Biological Chemistry, 1996, 271, 24720-24727.	3.4	37
2070	A Possible Role of the C-terminal Domain of the RecA Protein. Journal of Biological Chemistry, 1996, 271, 33515-33524.	3.4	72
2071	Role of Proximal Promoter Elements in Regulation of Renin Gene Transcription. Journal of Biological Chemistry, 1996, 271, 22499-22505.	3.4	104
2072	Helix Structure and Ends of RNA/DNA Hybrids Direct the Cleavage Specificity of HIV-1 Reverse Transcriptase RNase H. Journal of Biological Chemistry, 1996, 271, 2063-2070.	3.4	74
2073	Identification of Vascular Endothelial Growth Factor Determinants for Binding KDR and FLT-1 Receptors. Journal of Biological Chemistry, 1996, 271, 5638-5646.	3.4	427
2074	Conversion of L-Lactate Oxidase to a Long Chain $\hat{1}$ -Hydroxyacid Oxidase by Site-directed Mutagenesis of Alanine 95 to Glycine. Journal of Biological Chemistry, 1996, 271, 28300-28305.	3.4	39

#	ARTICLE	IF	CITATIONS
2075	FtsH (HflB) Is an ATP-dependent Protease Selectively Acting on SecY and Some Other Membrane Proteins. <i>Journal of Biological Chemistry</i> , 1996, 271, 31196-31201.	3.4	134
2076	<i>Caenorhabditis elegans</i> sex-determining protein FEM-2 is a protein phosphatase that promotes male development and interacts directly with FEM-3.. <i>Genes and Development</i> , 1996, 10, 2314-2325.	5.9	79
2077	Structure-function studies of the myosin motor domain: importance of the 50-kDa cleft.. <i>Molecular Biology of the Cell</i> , 1996, 7, 1123-1136.	2.1	80
2078	Enzyme-DNA Interactions Required for Efficient Nucleotide Incorporation and Discrimination in Human DNA Polymerase $\beta$ . <i>Journal of Biological Chemistry</i> , 1996, 271, 12141-12144.	3.4	153
2079	Examination of the Potential Functional Role of Conserved Cysteine Residues in the Hormone Binding Domain of the Human 1,25-Dihydroxyvitamin D3 Receptor. <i>Journal of Biological Chemistry</i> , 1996, 271, 5143-5149.	3.4	28
2080	The Differential Effects of the Gly-60 to Ala Mutation on the Interaction of H-Ras p21 with Different Downstream Targets. <i>Journal of Biological Chemistry</i> , 1996, 271, 8196-8202.	3.4	32
2081	Conversion of Thymidylate Synthase into an HIV Protease Substrate. <i>Journal of Biological Chemistry</i> , 1996, 271, 18465-18470.	3.4	10
2082	Conformational Changes in the Escherichia coli ATP Synthase (ECF1F0) Monitored by Nucleotide-dependent Differences in the Reactivity of Cys-87 of the $\beta$ Subunit in the Mutant $\beta$ Glu-381 $\rightarrow$ Ala. <i>Journal of Biological Chemistry</i> , 1996, 271, 17986-17989.	3.4	24
2083	Membrane Topology of the Sodium Ion-dependent Citrate Carrier of <i>Klebsiella pneumoniae</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 25582-25589.	3.4	34
2084	Site-specific Mutagenesis of <i>Rhodobacter capsulatus</i> Ferredoxin I, FdxN, That Functions in Nitrogen Fixation. <i>Journal of Biological Chemistry</i> , 1996, 271, 31399-31406.	3.4	23
2085	Structural and Functional Analysis of Yeast Putative Adaptors. <i>Journal of Biological Chemistry</i> , 1996, 271, 5237-5245.	3.4	113
2086	Vps10p cycles between the late-Golgi and prevacuolar compartments in its function as the sorting receptor for multiple yeast vacuolar hydrolases.. <i>Journal of Cell Biology</i> , 1996, 133, 529-541.	5.2	265
2087	Dual Regulation of a Chimeric Plant Serine/Threonine Kinase by Calcium and Calcium/Calmodulin. <i>Journal of Biological Chemistry</i> , 1996, 271, 8126-8132.	3.4	111
2088	Structure and Function of the Glutamine Phosphoribosylpyrophosphate Amidotransferase Glutamine Site and Communication with the Phosphoribosylpyrophosphate Site. <i>Journal of Biological Chemistry</i> , 1996, 271, 15549-15557.	3.4	72
2089	Identification of Residues of the Epidermal Growth Factor Receptor Proximal to Residue 45 of Bound Epidermal Growth Factor. <i>Journal of Biological Chemistry</i> , 1996, 271, 19656-19659.	3.4	39
2090	Conformational Changes in the A1 Domain of von Willebrand Factor Modulating the Interaction with Platelet Glycoprotein Ib. <i>Journal of Biological Chemistry</i> , 1996, 271, 9046-9053.	3.4	66
2091	The Binding of UvrAB Proteins to Bubble and Loop Regions in Duplex DNA. <i>Journal of Biological Chemistry</i> , 1996, 271, 21462-21470.	3.4	24
2092	Autoregulatory Loop in the Regulation of the Mammalian ftz-f1 Gene. <i>Journal of Biological Chemistry</i> , 1996, 271, 8243-8249.	3.4	29

#	ARTICLE	IF	CITATIONS
2093	Different Glycosylation Requirements for the Synthesis of Enzymatically Active Angiotensin-converting Enzyme in Mammalian Cells and Yeast. <i>Journal of Biological Chemistry</i> , 1996, 271, 6429-6434.	3.4	30
2094	Unidirectional Reconstitution into Detergent-stabilized Liposomes of the Purified Lactose Transport System of. <i>Journal of Biological Chemistry</i> , 1996, 271, 15358-15366.	3.4	109
2095	Efficient Expression of the Gene for Spinach Phosphoribulokinase in <i>Pichia pastoris</i> and Utilization of the Recombinant Enzyme to Explore the Role of Regulatory Cysteine Residues by Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 1996, 271, 6490-6496.	3.4	51
2096	Characterization of a Potential Catalytic Residue, Asp-133, in the High Affinity ATP-binding Site of SecA, Translocation ATPase. <i>Journal of Biological Chemistry</i> , 1996, 271, 17439-17444.	3.4	22
2097	Identification of Determinants in the $\alpha$ -Subunit of Gq Required for Phospholipase C Activation. <i>Journal of Biological Chemistry</i> , 1996, 271, 5066-5072.	3.4	63
2098	Functional Analysis of Conserved Histidine Residues in <i>Cephalosporium acremonium</i> Isopenicillin N Synthase by Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 1996, 271, 889-894.	3.4	36
2099	Maltose-binding Protein Containing an Interdomain Disulfide Bridge Confers a Dominant-negative Phenotype for Transport and Chemotaxis. <i>Journal of Biological Chemistry</i> , 1996, 271, 17881-17889.	3.4	19
2100	Defective Folding of Mutant p16INK4 Proteins Encoded by Tumor-derived Alleles. <i>Journal of Biological Chemistry</i> , 1996, 271, 28734-28737.	3.4	59
2101	Expression in <i>Escherichia coli</i> and Refolding of the Malonyl-/Acetyltransferase Domain of the Multifunctional Animal Fatty Acid Synthase. <i>Journal of Biological Chemistry</i> , 1996, 271, 31749-31755.	3.4	25
2102	Agonist Recognition by Proteinase-activated Receptor 2 and Thrombin Receptor. <i>Journal of Biological Chemistry</i> , 1996, 271, 13943-13947.	3.4	95
2103	The Arterivirus Nsp4 Protease Is the Prototype of a Novel Group of Chymotrypsin-like Enzymes, the 3C-like Serine Proteases. <i>Journal of Biological Chemistry</i> , 1996, 271, 4864-4871.	3.4	105
2104	A Novel Site in the Muscle Creatine Kinase Enhancer Is Required for Expression in Skeletal but Not Cardiac Muscle. <i>Journal of Biological Chemistry</i> , 1996, 271, 4646-4652.	3.4	23
2105	Activation of Protein Kinase C in Human Uterine Smooth Muscle Induces connexin-43 Gene Transcription through an AP-1 Site in the Promoter Sequence. <i>Journal of Biological Chemistry</i> , 1996, 271, 23667-23674.	3.4	132
2106	Core Sequences and a Cleavage Site Wobble Pair Required for HDV Antigenomic Ribozyme Self-Cleavage. <i>Nucleic Acids Research</i> , 1996, 24, 1314-1321.	14.5	69
2107	Dependence of agonist activation on an aromatic moiety in the DPLIY motif of the gonadotropin-releasing hormone receptor.. <i>Molecular Endocrinology</i> , 1996, 10, 979-986.	3.7	43
2108	Repression of Gene Expression by an Exogenous Sequence Element Acting in Concert with a Heterogeneous Nuclear Ribonucleoprotein-Like Protein, Nrd1, and the Putative Helicase Sen1. <i>Molecular and Cellular Biology</i> , 1996, 16, 6993-7003.	2.3	127
2109	Translational Efficiency Is Regulated by the Length of the 3' Untranslated Region. <i>Molecular and Cellular Biology</i> , 1996, 16, 146-156.	2.3	186
2110	Transcriptional Regulation of a Sterol-Biosynthetic Enzyme by Sterol Levels in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1996, 16, 3981-3989.	2.3	55

#	ARTICLE	IF	CITATIONS
2111	At Least Three Subdomains of v-erbA Are Involved in Its Silencing Function. <i>Molecular Endocrinology</i> , 1997, 11, 379-389.	3.7	21
2112	Scanning of the Glucagon-Like Peptide-1 Receptor Localizes G Protein-Activating Determinants Primarily to the N Terminus of the Third Intracellular Loop. <i>Molecular Endocrinology</i> , 1997, 11, 424-432.	3.7	65
2113	tRNA Delivery Systems for Ribozymes. , 1997, 74, 393-402.		6
2114	Complete mutagenesis of the gene encoding TEM-1 $\beta$ -lactamase. <i>Techniques in Protein Chemistry</i> , 1997, , 827-836.	0.3	0
2115	Mutations of the Conserved DRS Motif in the Second Intracellular Loop of the Gonadotropin-Releasing Hormone Receptor Affect Expression, Activation, and Internalization. <i>Molecular Endocrinology</i> , 1997, 11, 1203-1212.	3.7	105
2116	Control by Basal Phosphorylation of Cell Cycle-Dependent, Hormone-Induced Glucocorticoid Receptor Hyperphosphorylation. <i>Molecular Endocrinology</i> , 1997, 11, 305-311.	3.7	25
2117	A Trimeric Structural Subdomain of the HIV-1 Transmembrane Glycoprotein. <i>Journal of Biomolecular Structure and Dynamics</i> , 1997, 15, 465-471.	3.5	154
2118	Cloning and Characterization of an Uncoupling Protein Homolog: A Potential Molecular Mediator of Human Thermogenesis. <i>Diabetes</i> , 1997, 46, 900-906.	0.6	484
2119	Conversion of Serine to Aspartate Imitates Phosphorylation-induced Changes in the Structure and Function of Microtubule-associated Protein Tau. <i>Journal of Biological Chemistry</i> , 1997, 272, 8441-8446.	3.4	106
2120	The Phosphatidylinositol Transfer Protein Domain of <i>Drosophila</i> Retinal Degeneration B Protein Is Essential for Photoreceptor Cell Survival and Recovery from Light Stimulation. <i>Journal of Cell Biology</i> , 1997, 139, 351-363.	5.2	142
2121	A Mutational Analysis Identifies Three Functional Regions of the Spindle Pole Component Spc110p in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 1997, 8, 2575-2590.	2.1	52
2122	Active Site Mutations in Yeast Protein Disulfide Isomerase Cause Dithiothreitol Sensitivity and a Reduced Rate of Protein Folding in the Endoplasmic Reticulum. <i>Journal of Cell Biology</i> , 1997, 138, 1229-1238.	5.2	76
2123	The unique hetero-oligomeric nature of the subunits in the catalytic cooperativity of the yeast Cct chaperonin complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 10780-10785.	7.1	70
2124	Modes of Regulation of Shab K <sup>+</sup> Channel Activity by the Kv8.1 Subunit. <i>Journal of Biological Chemistry</i> , 1997, 272, 8774-8780.	3.4	90
2125	Identification of three regions essential for interaction between a $\lambda$ -like factor and core RNA polymerase. <i>Genes and Development</i> , 1997, 11, 2897-2909.	5.9	45
2126	The motif V of plum pox potyvirus CI RNA helicase is involved in NTP hydrolysis and is essential for virus RNA replication. <i>Nucleic Acids Research</i> , 1997, 25, 4474-4480.	14.5	86
2127	Ras2 and Ras1 Protein Phosphorylation in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 18790-18800.	3.4	17
2128	Biochemical characterization of Arabidopsis wild-type and mutant phytochrome B holoproteins.. <i>Plant Cell</i> , 1997, 9, 2271-2280.	6.6	75

#	ARTICLE	IF	CITATIONS
2129	Two Separate Signals Act Independently to Localize a Yeast Late Golgi Membrane Protein through a Combination of Retrieval and Retention. <i>Journal of Cell Biology</i> , 1997, 136, 287-297.	5.2	97
2130	Interactions of Nucleotide Release Factor Dss4p with Sec4p in the Post-Golgi Secretory Pathway of Yeast. <i>Journal of Biological Chemistry</i> , 1997, 272, 18281-18289.	3.4	43
2131	Engineering of Porcine Pepsin. <i>Journal of Biological Chemistry</i> , 1997, 272, 18855-18861.	3.4	32
2132	MS2 coat protein mutants which bind Qbeta RNA. <i>Nucleic Acids Research</i> , 1997, 25, 2808-2815.	14.5	25
2133	Inhibition of Cytosolic Phospholipase A2 by Annexin V in Differentiated Permeabilized HL-60 Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 10474-10482.	3.4	115
2134	A New Mechanism-based Radical Intermediate in a Mutant R1 Protein Affecting the Catalytically Essential Glu441 in <i>Escherichia coli</i> Ribonucleotide Reductase. <i>Journal of Biological Chemistry</i> , 1997, 272, 31533-31541.	3.4	67
2135	Cloning and Characterization of an Essential <i>Saccharomyces cerevisiae</i> Gene, TAF40, Which Encodes yTAFII40, an RNA Polymerase II-specific TATA-binding Protein-associated Factor. <i>Journal of Biological Chemistry</i> , 1997, 272, 9436-9442.	3.4	28
2136	Nuclear entry, oligomerization, and DNA binding of the <i>Drosophila</i> heat shock transcription factor are regulated by a unique nuclear localization sequence.. <i>Genes and Development</i> , 1997, 11, 1299-1314.	5.9	48
2137	Polarity and Specific Sequence Requirements of Peroxisome Proliferator-activated Receptor (PPAR)/Retinoid X Receptor Heterodimer Binding to DNA. <i>Journal of Biological Chemistry</i> , 1997, 272, 20108-20117.	3.4	306
2138	The Cyclin-dependent Kinase-activating Kinase (CAK) Assembly Factor, MAT1, Targets and Enhances CAK Activity on the POU Domains of Octamer Transcription Factors. <i>Journal of Biological Chemistry</i> , 1997, 272, 29852-29858.	3.4	71
2139	The traE Gene of Plasmid RP4 Encodes a Homologue of <i>Escherichia coli</i> DNA Topoisomerase III. <i>Journal of Biological Chemistry</i> , 1997, 272, 19582-19587.	3.4	31
2140	Differences between Plant and Animal Myb Domains Are Fundamental for DNA Binding Activity, and Chimeric Myb Domains Have Novel DNA Binding Specificities. <i>Journal of Biological Chemistry</i> , 1997, 272, 563-571.	3.4	87
2141	RNase T1/RNase T2 Family RNases. , 1997, , 101-130.		33
2142	Identification of a DNA Segment Exhibiting Rearrangement Modifying Effects upon Transgenic Î-deleting Elements. <i>Journal of Experimental Medicine</i> , 1997, 186, 91-100.	8.5	7
2143	Cyclin E-CDK2 is a regulator of p27Kip1.. <i>Genes and Development</i> , 1997, 11, 1464-1478.	5.9	807
2144	Nedd5, a mammalian septin, is a novel cytoskeletal component interacting with actin-based structures.. <i>Genes and Development</i> , 1997, 11, 1535-1547.	5.9	326
2145	Intramolecular Chaperone Activity of the Pro-region of <i>Vibrio cholerae</i> El Tor Cytolysin. <i>Journal of Biological Chemistry</i> , 1997, 272, 1338-1343.	3.4	36
2146	The Role of the Variable Region in Tet Repressor for Inducibility by Tetracycline. <i>Journal of Biological Chemistry</i> , 1997, 272, 6936-6942.	3.4	24



#	ARTICLE	IF	CITATIONS
2147	Role of proofreading and mismatch repair in maintaining the stability of nucleotide repeats in DNA. <i>Nucleic Acids Research</i> , 1997, 25, 806-813.	14.5	59
2148	Core-associated non-duplex sequences distinguishing the genomic and antigenomic self-cleaving RNAs of hepatitis delta virus. <i>Nucleic Acids Research</i> , 1997, 25, 4085-4092.	14.5	14
2149	The Membrane Topology of GAT-1, a (Na <sup>++</sup> Cl <sup>-</sup> )-coupled $\hat{1}^3$ -Aminobutyric Acid Transporter from Rat Brain. <i>Journal of Biological Chemistry</i> , 1997, 272, 1203-1210.	3.4	92
2150	FNR-dependent repression of <i>ndh</i> gene expression requires two upstream FNR-binding sites. <i>Microbiology (United Kingdom)</i> , 1997, 143, 1521-1532.	1.8	43
2151	SOI1 Encodes a Novel, Conserved Protein That Promotes TGN $\hat{1}$ Endosomal Cycling of Kex2p and Other Membrane Proteins by Modulating the Function of Two TGN Localization Signals. <i>Journal of Cell Biology</i> , 1997, 139, 23-36.	5.2	168
2152	Mutants in the ADP-ribosyltransferase Cleft of Cholera Toxin Lack Diarrheagenicity but Retain Adjuvanticity. <i>Journal of Experimental Medicine</i> , 1997, 185, 1203-1210.	8.5	202
2153	Derepressed Hyphal Growth and Reduced Virulence in a VH1 Family-related Protein Phosphatase Mutant of the Human Pathogen <i>Candida albicans</i> . <i>Molecular Biology of the Cell</i> , 1997, 8, 2539-2551.	2.1	105
2154	A novel $\alpha$ -factor-related peptide of <i>Saccharomyces cerevisiae</i> that exits the cell by a Ste6p-independent mechanism.. <i>Molecular Biology of the Cell</i> , 1997, 8, 1273-1291.	2.1	16
2155	A Novel Mechanism of Aberrant Pre-mRNA Splicing in Humans. <i>Human Molecular Genetics</i> , 1997, 6, 909-912.	2.9	102
2156	Viral mimicry: common mode of association with HCF by VP16 and the cellular protein LZIP. <i>Genes and Development</i> , 1997, 11, 3122-3127.	5.9	121
2157	Substrate DNA and cofactor regulate the activities of a multi-functional restriction-modification enzyme, Bcgl. <i>Nucleic Acids Research</i> , 1997, 25, 3687-3692.	14.5	38
2158	Intragenic Complementation at the Human Argininosuccinate Lyase Locus. <i>Journal of Biological Chemistry</i> , 1997, 272, 6777-6783.	3.4	22
2159	A cDNA Encoding Fish Fibroblast Growth Factor-2, Which Lacks Alternative Translation Initiation. <i>Journal of Biological Chemistry</i> , 1997, 272, 7285-7289.	3.4	21
2160	Cleavage Site for Sterol-regulated Protease Localized to a Leu-Ser Bond in the Luminal Loop of Sterol Regulatory Element-binding Protein-2. <i>Journal of Biological Chemistry</i> , 1997, 272, 12778-12785.	3.4	149
2161	Benign HEXA Mutations, C739T(R247W) and C745T(R249W), Cause $\hat{1}^2$ -Hexosaminidase A Pseudodeficiency by Reducing the $\hat{1}^{\pm}$ -Subunit Protein Levels. <i>Journal of Biological Chemistry</i> , 1997, 272, 14975-14982.	3.4	29
2162	Protein-Tyrosine Phosphatase 1B Complexes with the Insulin Receptor in Vivo and Is Tyrosine-phosphorylated in the Presence of Insulin. <i>Journal of Biological Chemistry</i> , 1997, 272, 1639-1645.	3.4	229
2163	Human Transcription-Repair Coupling Factor CSB/ERCC6 Is a DNA-stimulated ATPase but Is Not a Helicase and Does Not Disrupt the Ternary Transcription Complex of Stalled RNA Polymerase II. <i>Journal of Biological Chemistry</i> , 1997, 272, 1885-1890.	3.4	231
2164	Evidence That Intramolecular Interactions Are Involved in Masking the Activation Domain of Transcriptional Activator Leu3p. <i>Journal of Biological Chemistry</i> , 1997, 272, 19383-19392.	3.4	34

#	ARTICLE	IF	CITATIONS
2165	Energetically Unfavorable Interactions among the Zinc Fingers of Transcription Factor IIIA When Bound to the 5 S rRNA Gene. <i>Journal of Biological Chemistry</i> , 1997, 272, 20152-20161.	3.4	17
2166	Identification of Common and Distinct Residues Involved in the Interaction of $\hat{\pm}i2$ and $\hat{\pm}s$ with Adenylyl Cyclase. <i>Journal of Biological Chemistry</i> , 1997, 272, 20619-20626.	3.4	40
2167	Communication between Switch II and Switch III of the Transducin $\hat{\pm}$ Subunit Is Essential for Target Activation. <i>Journal of Biological Chemistry</i> , 1997, 272, 21673-21676.	3.4	24
2168	The Yeast Nucleolar Protein Nop4p Contains Four RNA Recognition Motifs Necessary for Ribosome Biogenesis. <i>Journal of Biological Chemistry</i> , 1997, 272, 25345-25352.	3.4	28
2169	VMA12 Encodes a Yeast Endoplasmic Reticulum Protein Required for Vacuolar H <sup>+</sup> -ATPase Assembly. <i>Journal of Biological Chemistry</i> , 1997, 272, 25928-25934.	3.4	61
2170	Cephalosporin Substrate Specificity Determinants of TEM-1 $\hat{2}$ -Lactamase. <i>Journal of Biological Chemistry</i> , 1997, 272, 29144-29150.	3.4	58
2171	The Subunit $\hat{1}$ -Subunit b Domain of the Escherichia coli F1F0 ATPase. <i>Journal of Biological Chemistry</i> , 1997, 272, 31058-31064.	3.4	68
2172	Cloning and Expression of Acetylcholinesterase from Electrophorus. <i>Journal of Biological Chemistry</i> , 1997, 272, 33045-33055.	3.4	45
2173	Expression and Activity of Mutants of Fasciculin, a Peptidic Acetylcholinesterase Inhibitor from Mamba Venom. <i>Journal of Biological Chemistry</i> , 1997, 272, 3502-3510.	3.4	44
2174	A $\hat{2}$ -catenin/XTcf-3 complex binds to the <i>siamoi</i> promoter to regulate dorsal axis specification in <i>Xenopus</i> . <i>Genes and Development</i> , 1997, 11, 2359-2370.	5.9	494
2175	The Functions of the First Epidermal Growth Factor Homology Region of Human Protein C as Revealed by a Charge-to-Alanine Scanning Mutagenesis Investigation. <i>Biological Chemistry</i> , 1997, 378, 1491-500.	2.5	4
2176	Determination of the Regulatory Disulfide Bonds of NADP-Dependent Malate Dehydrogenase from <i>Pisum sativum</i> by Site-Directed Mutagenesis. <i>Biological Chemistry</i> , 1997, 378, 983-988.	2.5	9
2177	Alteration of the Substrate Specificity of the Malonyl-CoA/Acetyl-CoA:Acyl Carrier ProteinS-Acyltransferase Domain of the Multifunctional Fatty Acid Synthase by Mutation of a Single Arginine Residue. <i>Journal of Biological Chemistry</i> , 1997, 272, 11975-11978.	3.4	57
2178	Ion and Bumetanide Binding by the Na-K-Cl Cotransporter. <i>Journal of Biological Chemistry</i> , 1997, 272, 24556-24562.	3.4	104
2179	The Membrane Protein Alkaline Phosphatase Is Delivered to the Vacuole by a Route That Is Distinct from the VPS-dependent Pathway. <i>Journal of Cell Biology</i> , 1997, 138, 531-545.	5.2	149
2180	Modification of human U4 RNA requires U6 RNA and multiple pseudouridine synthases. <i>Nucleic Acids Research</i> , 1997, 25, 4808-4815.	14.5	10
2181	[14] In vitro and in vivo systems to assess role of C <sub>1</sub> -X <sub>1</sub> -C chemokines in regulation of angiogenesis. <i>Methods in Enzymology</i> , 1997, 288, 190-220.	1.0	37
2182	Role of the Glycine Triad in the ATP-binding Site of cAMP-dependent Protein Kinase. <i>Journal of Biological Chemistry</i> , 1997, 272, 16946-16954.	3.4	127

#	ARTICLE	IF	CITATIONS
2183	Site-Directed Mutagenesis and Yeast Two-Hybrid Studies of the Insulin and Insulin-Like Growth Factor-1 Receptors: The Src Homology-2 Domain-Containing Protein hGrb10 Binds to the Autophosphorylated Tyrosine Residues in the Kinase Domain of the Insulin Receptor. <i>Molecular Endocrinology</i> , 1997, 11, 1757-1765.	3.7	43
2184	Tyrosine 140 of the $\beta^3$ -Aminobutyric Acid Transporter GAT-1 Plays a Critical Role in Neurotransmitter Recognition. <i>Journal of Biological Chemistry</i> , 1997, 272, 16096-16102.	3.4	110
2185	Palmitoylation of the Vaccinia Virus 37-kDa Major Envelope Antigen. <i>Journal of Biological Chemistry</i> , 1997, 272, 1956-1964.	3.4	59
2186	Transfer of the HIV-1 cyclophilin-binding site to simian immunodeficiency virus from <i>Macaca mulatta</i> can confer both cyclosporin sensitivity and cyclosporin dependence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 10943-10948.	7.1	67
2187	The Domain Architecture of Cytochrome P450BM-3. <i>Journal of Biological Chemistry</i> , 1997, 272, 7915-7921.	3.4	43
2188	The Sequence of the Alternatively Spliced Sixth Exon of $\beta$ -Tropomyosin Is Critical for Cooperative Actin Binding but Not for Interaction with Troponin. <i>Journal of Biological Chemistry</i> , 1997, 272, 22409-22416.	3.4	44
2189	The Type of Basal Promoter Determines the Regulated or Constitutive Mode of Transcription in the Common Control Region of the Yeast Gene Pair GCY1/RIO1. <i>Journal of Biological Chemistry</i> , 1997, 272, 31630-31635.	3.4	24
2190	Elimination of All Charged Residues in the Vicinity of the Active-site Helix of the Disulfide Oxidoreductase DsbA. <i>Journal of Biological Chemistry</i> , 1997, 272, 21692-21699.	3.4	47
2191	The Tyrosine Phosphatase SHP-1 Associates with the sst2 Somatostatin Receptor and Is an Essential Component of sst2-mediated Inhibitory Growth Signaling. <i>Journal of Biological Chemistry</i> , 1997, 272, 24448-24454.	3.4	157
2192	Quaternary Associations of Acetylcholinesterase. <i>Journal of Biological Chemistry</i> , 1997, 272, 3007-3015.	3.4	75
2193	Integration of Tetracycline Regulation into a Cell-specific Transcriptional Enhancer. <i>Journal of Biological Chemistry</i> , 1997, 272, 4735-4739.	3.4	13
2194	Contributions of the I and EF Hand Domains to the Divalent Cation-dependent Collagen Binding Activity of the $\alpha_2\beta_1$ Integrin. <i>Journal of Biological Chemistry</i> , 1997, 272, 7661-7668.	3.4	78
2195	Site-directed Mutagenesis and Characterization of Uracil-DNA Glycosylase Inhibitor Protein. <i>Journal of Biological Chemistry</i> , 1997, 272, 21408-21419.	3.4	20
2196	Tyrosine Phosphorylation of Connexin 43 by v-Src Is Mediated by SH2 and SH3 Domain Interactions. <i>Journal of Biological Chemistry</i> , 1997, 272, 22824-22831.	3.4	182
2197	The Zinc Binuclear Cluster Activator AlcR Is Able to Bind to Single Sites but Requires Multiple Repeated Sites for Synergistic Activation of the alcA Gene in <i>Aspergillus nidulans</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 22859-22865.	3.4	43
2198	The Thrombin Receptor Second Cytoplasmic Loop Confers Coupling to Gq-like G Proteins in Chimeric Receptors. <i>Journal of Biological Chemistry</i> , 1997, 272, 6898-6902.	3.4	56
2199	Cross-linking of the $\hat{\gamma}$ Subunit to One of the Three $\hat{\alpha}$ Subunits Has No Effect on Functioning, as Expected if $\hat{\gamma}$ Is a Part of the Stator That Links the F1 and F0 Parts of the <i>Escherichia coli</i> ATP Synthase. <i>Journal of Biological Chemistry</i> , 1997, 272, 16652-16656.	3.4	140
2200	Acidic Residues Necessary for Pyrophosphate-energized Pumping and Inhibition of the Vacuolar H <sup>+</sup> -pyrophosphatase by N,N'-Dicyclohexylcarbodiimide. <i>Journal of Biological Chemistry</i> , 1997, 272, 22340-22348.	3.4	89

#	ARTICLE	IF	CITATIONS
2201	Kinetics of Transient Radicals in Escherichia coli Ribonucleotide Reductase. Journal of Biological Chemistry, 1997, 272, 10414-10421.	3.4	29
2202	A Novel Regulatory Mechanism in the Mitogen-activated Protein (MAP) Kinase Cascade. Journal of Biological Chemistry, 1997, 272, 32642-32648.	3.4	167
2203	Mutational Analysis of Thrombopoietin for Identification of Receptor and Neutralizing Antibody Sites. Journal of Biological Chemistry, 1997, 272, 20595-20602.	3.4	50
2204	Heparin Promotes Proteolytic Inactivation by Thrombin of a Reactive Site Mutant (L444R) of Recombinant Heparin Cofactor II. Journal of Biological Chemistry, 1997, 272, 888-893.	3.4	21
2205	An Intracellular Trafficking Defect in Type I Cystinuria rBAT Mutants M467T and M467K. Journal of Biological Chemistry, 1997, 272, 9543-9549.	3.4	82
2206	Phosphorylation of Serine Residues 3, 6, 10, and 13 Distinguishes Membrane Anchored from Soluble Glutamic Acid Decarboxylase 65 and Is Restricted to Glutamic Acid Decarboxylase 65 $\Delta$ . Journal of Biological Chemistry, 1997, 272, 1548-1557.	3.4	61
2207	Analysis of the Dihydropyridine Receptor Site of $\alpha_1$ -type Calcium Channels by Alanine-scanning Mutagenesis. Journal of Biological Chemistry, 1997, 272, 18752-18758.	3.4	91
2208	$\alpha_4$ Integrin Binding Interfaces on VCAM-1 and MAdCAM-1. Journal of Biological Chemistry, 1997, 272, 19429-19440.	3.4	82
2209	Dipeptidyl aminopeptidase processing and biosynthesis of alkaline extracellular protease from Yarrowia lipolytica. Microbiology (United Kingdom), 1997, 143, 3263-3272.	1.8	18
2210	Cloning and Characterization of the Arabidopsis Cyclic Phosphodiesterase Which Hydrolyzes ADP-ribose $1\alpha$ - $2\alpha$ -Cyclic Phosphate and Nucleoside $2\alpha$ - $3\alpha$ -Cyclic Phosphates. Journal of Biological Chemistry, 1997, 272, 13211-13219.	3.4	42
2211	Influence of Acidic Residues and the Kink in the Active-site Helix on the Properties of the Disulfide Oxidoreductase DsbA. Journal of Biological Chemistry, 1997, 272, 189-195.	3.4	36
2212	Three Amino Acid Substitutions Selectively Disrupt the Activation but Not the Repression Function of the Glucocorticoid Receptor N Terminus. Journal of Biological Chemistry, 1997, 272, 4149-4156.	3.4	114
2213	Critical Role of the Second Stirrup Region of the TATA-binding Protein for Transcriptional Activation Both in Yeast and Human. Journal of Biological Chemistry, 1997, 272, 7540-7545.	3.4	6
2214	Cloning and Expression of a cDNA Encoding Bovine Lipoyltransferase. Journal of Biological Chemistry, 1997, 272, 31974-31978.	3.4	21
2215	In Vitro Analysis of the Stop-transfer Process during Translocation across the Cytoplasmic Membrane of Escherichia coli. Journal of Biological Chemistry, 1997, 272, 20082-20087.	3.4	21
2216	Pombe Cdc5-related Protein. Journal of Biological Chemistry, 1997, 272, 5833-5837.	3.4	51
2217	Quaternary Associations of Acetylcholinesterase. Journal of Biological Chemistry, 1997, 272, 3016-3021.	3.4	122
2218	The Arabidopsis thaliana FPS1 Gene Generates a Novel mRNA That Encodes a Mitochondrial Farnesyl-diphosphate Synthase Isoform. Journal of Biological Chemistry, 1997, 272, 15381-15388.	3.4	152

#	ARTICLE	IF	CITATIONS
2219	High Degree of Sensitivity of the Simian Immunodeficiency Virus (SIV <sub>mac</sub> ) Envelope Glycoprotein Subunit Association to Amino Acid Changes in the Glycoprotein 41 Ectodomain. AIDS Research and Human Retroviruses, 1997, 13, 441-447.	1.1	11
2220	The Base Specificities of Tomato Ribonuclease (RNase LE) and Its Asp44 Mutant Enzyme Expressed from Yeast Cells. Bioscience, Biotechnology and Biochemistry, 1997, 61, 432-438.	1.3	15
2221	A strong inhibitor of gene expression in the 5' untranslated region of the pollen-specific LAT59 gene to tomato.. Plant Cell, 1997, 9, 2025-2036.	6.6	42
2222	Oncogenic Point Mutations Induce Altered Conformation, Redox Sensitivity, and DNA Binding in the Minimal DNA Binding Domain of Avian Myeloblastosis Virus v-Myb. Journal of Biological Chemistry, 1997, 272, 4436-4443.	3.4	21
2223	Arginine 200 of Heparin Cofactor II Promotes Intramolecular Interactions of the Acidic Domain. Journal of Biological Chemistry, 1997, 272, 14074-14079.	3.4	12
2224	Pancreatic $\beta$ -Cell-specific Repression of Insulin Gene Transcription by CCAAT/Enhancer-binding Protein $\beta$ . Journal of Biological Chemistry, 1997, 272, 28349-28359.	3.4	118
2225	Evolutionary Silencing of the Human Elastase I Gene (ELA1). Human Molecular Genetics, 1997, 6, 897-903.	2.9	44
2226	Identification of Complexes between the COOH-terminal Domains of Sterol Regulatory Element-binding Proteins (SREBPs) and SREBP Cleavage-Activating Protein. Journal of Biological Chemistry, 1997, 272, 20213-20221.	3.4	202
2227	Biogenesis of the Saccharomyces cerevisiae Mating Pheromone a-Factor. Journal of Cell Biology, 1997, 136, 251-269.	5.2	125
2228	Systematic Mutational Analysis of the Cation-independent Mannose 6-Phosphate/Insulin-like Growth Factor II Receptor Cytoplasmic Domain. Journal of Biological Chemistry, 1997, 272, 7003-7012.	3.4	81
2229	The first step of aminoacylation at the atomic level in histidyl-tRNA synthetase. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 7144-7149.	7.1	99
2230	Sequence requirements of the HIV-1 protease flap region determined by saturation mutagenesis and kinetic analysis of flap mutants. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 2243-2248.	7.1	70
2231	The quinone reductase gene: A unique estrogen receptor-regulated gene that is activated by antiestrogens. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 2581-2586.	7.1	150
2232	Atomic structure of a thermostable subdomain of HIV-1 gp41. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 12303-12308.	7.1	544
2233	Residues in the WD Repeats of Tup1 Required for Interaction with $\beta$ . Molecular and Cellular Biology, 1997, 17, 6023-6028.	2.3	90
2234	Multiple Phosphorylated Forms of the <i>Saccharomyces cerevisiae</i> Mcm1 Protein Include an Isoform Induced in Response to High Salt Concentrations. Molecular and Cellular Biology, 1997, 17, 819-832.	2.3	59
2235	Role of Hydrophobic Amino Acid Clusters in the Transactivation Activity of the Human Glucocorticoid Receptor. Molecular and Cellular Biology, 1997, 17, 934-945.	2.3	66
2236	Differential Regulation of the N-myc Proto-Oncogene by ROR $\beta$ and RVR, Two Orphan Members of the Superfamily of Nuclear Hormone Receptors. Molecular and Cellular Biology, 1997, 17, 1860-1867.	2.3	64

#	ARTICLE	IF	CITATIONS
2237	Structure-Function Analysis of <i>TAF130</i> : Identification and Characterization of a High-Affinity TATA-Binding Protein Interaction Domain in the N Terminus of Yeast TAF <sub>II</sub> 130. <i>Molecular and Cellular Biology</i> , 1997, 17, 3081-3093.	2.3	66
2238	Phosphatidylinositol 3-Kinase Is Required for Integrin-Stimulated AKT and Raf-1/Mitogen-Activated Protein Kinase Pathway Activation. <i>Molecular and Cellular Biology</i> , 1997, 17, 4406-4418.	2.3	411
2239	Identification of <i>RTF1</i> , a Novel Gene Important for TATA Site Selection by TATA Box-Binding Protein in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1997, 17, 4490-4500.	2.3	67
2240	Functional Dissection of the $\beta^3$ Component of RNA Polymerase III Transcription Factor IIIB: a Scaffolding Protein with Multiple Roles in Assembly and Initiation of Transcription. <i>Molecular and Cellular Biology</i> , 1997, 17, 1868-1880.	2.3	53
2241	Interdigitated residues within a small region of VP16 interact with Oct-1, HCF, and DNA. <i>Molecular and Cellular Biology</i> , 1997, 17, 3937-3946.	2.3	44
2242	A Carboxy-Terminal Basic Region Controls RNA Polymerase III Transcription Factor Activity of Human La Protein. <i>Molecular and Cellular Biology</i> , 1997, 17, 5823-5832.	2.3	70
2243	Identification and Characterization of XPC-Binding Domain of hHR23B. <i>Molecular and Cellular Biology</i> , 1997, 17, 6915-6923.	2.3	99
2244	Protein tyrosine phosphatase 1B interacts with and is tyrosine phosphorylated by the epidermal growth factor receptor. <i>Biochemical Journal</i> , 1997, 327, 139-145.	3.7	163
2245	N1-Dansyl-Spermine and N1-(n-Octanesulfonyl)-Spermine, Novel Glutamate Receptor Antagonists: Block and Permeation of N-Methyl-D-Aspartate Receptors. <i>Molecular Pharmacology</i> , 1997, 51, 861-871.	2.3	62
2246	Ktr1p is an $\alpha$ -1,2-mannosyltransferase of <i>Saccharomyces cerevisiae</i> . Comparison of the enzymic properties of soluble recombinant Ktr1p and Kre2p/Mnt1p produced in <i>Pichia pastoris</i> . <i>Biochemical Journal</i> , 1997, 321, 289-295.	3.7	47
2247	Cysteine188 Revealed as Being Critical for the Enzyme Activity of Arylmalonate Decarboxylase by Site-Directed Mutagenesis. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 2765-2769.	3.2	17
2248	Enzyme-Mediated Enantioselective Protonation to Enolates in an Aqueous Medium. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 2895-2911.	3.2	25
2249	Characterization of novel calmodulin-binding peptides with distinct inhibitory effects on calmodulin-dependent enzymes. <i>Biochemical Journal</i> , 1997, 321, 107-115.	3.7	21
2250	The pseudoazurin gene from <i>Thiosphaera pantotropha</i> : analysis of upstream putative regulatory sequences and overexpression in <i>Escherichia coli</i> . <i>Biochemical Journal</i> , 1997, 321, 699-705.	3.7	27
2251	Highly conserved residue arginine-15 is required for the Ca <sup>2+</sup> -dependent properties of the $\beta$ -carboxyglutamic acid domain of human anticoagulation Protein C and activated Protein C. <i>Biochemical Journal</i> , 1997, 322, 309-315.	3.7	10
2252	Study of the role of the highly conserved residues Arg9 and Arg64 in the catalytic function of human <i>N</i> -acetyltransferases NAT1 and NAT2 by site-directed mutagenesis. <i>Biochemical Journal</i> , 1997, 323, 207-215.	3.7	38
2253	Regulatory elements in the first intron of the rat fatty acid synthase gene. <i>Biochemical Journal</i> , 1997, 324, 113-121.	3.7	17
2254	Identification by site-directed mutagenesis of three essential histidine residues in membrane dipeptidase, a novel mammalian zinc peptidase. <i>Biochemical Journal</i> , 1997, 326, 47-51.	3.7	22



#	ARTICLE	IF	CITATIONS
2255	Isolation, cloning and characterization of a low-molecular-mass purine nucleoside- and nucleotide-binding protein. <i>Biochemical Journal</i> , 1997, 326, 471-477.	3.7	28
2256	Biochemical characterization of <i>Caenorhabditis elegans</i> UBC-1: self-association and auto-ubiquitination of a RAD6-like ubiquitin-conjugating enzyme in vitro. <i>Biochemical Journal</i> , 1997, 327, 357-361.	3.7	16
2257	Expression and processing of vertebrate acetylcholinesterase in the yeast <i>Pichia pastoris</i> . <i>Biochemical Journal</i> , 1997, 328, 121-129.	3.7	44
2258	Reconstitution, morphology and crystallization of a fatty acid $\beta$ -oxidation multienzyme complex from <i>Pseudomonas fragi</i> . <i>Biochemical Journal</i> , 1997, 328, 815-820.	3.7	22
2259	Importance of the Dimer-Dimer Interface for Allosteric Signal Transduction and AMP Cooperativity of Pig Kidney Fructose-1,6-Bisphosphatase. <i>Journal of Biological Chemistry</i> , 1997, 272, 5076-5081.	3.4	16
2260	[39] Determining covalent flavinylation. <i>Methods in Enzymology</i> , 1997, 280, 413-423.	1.0	13
2261	Delayed Resistance to Plum Pox Potyvirus Mediated by a Mutated RNA Replicase Gene: Involvement of a Gene-Silencing Mechanism. <i>Molecular Plant-Microbe Interactions</i> , 1997, 10, 160-170.	2.6	74
2262	Two PR-1 Genes from Tomato Are Differentially Regulated and Reveal a Novel Mode of Expression for a Pathogenesis-Related Gene During the Hypersensitive Response and Development. <i>Molecular Plant-Microbe Interactions</i> , 1997, 10, 624-634.	2.6	133
2263	Bacterial DL-2-haloacid dehalogenase from <i>Pseudomonas</i> sp. strain 113: gene cloning and structural comparison with D- and L-2-haloacid dehalogenases. <i>Journal of Bacteriology</i> , 1997, 179, 4232-4238.	2.2	71
2264	Xeroderma pigmentosum and trichothiodystrophy are associated with different mutations in the XPD (ERCC2) repair/transcription gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8658-8663.	7.1	244
2265	[28] Synthesis and hydrolysis of cyclic ADP-ribose by human leukocyte antigen CD38: Inhibition of hydrolysis by ATP and physiological significance. <i>Methods in Enzymology</i> , 1997, 280, 306-318.	1.0	27
2266	L-allo-threonine aldolase from <i>Aeromonas jandaei</i> DK-39: gene cloning, nucleotide sequencing, and identification of the pyridoxal 5'-phosphate-binding lysine residue by site-directed mutagenesis. <i>Journal of Bacteriology</i> , 1997, 179, 3555-3560.	2.2	38
2267	Direct repeat sequences in the <i>Streptomyces</i> chitinase-63 promoter direct both glucose repression and chitin $\beta$ -induction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 13116-13121.	7.1	59
2268	Probing the environment along the protein import pathways in yeast mitochondria by site-specific photocrosslinking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 485-490.	7.1	83
2269	Molecular and Biochemical Characterization of <i>xrs</i> Mutants Defective in Ku80. <i>Molecular and Cellular Biology</i> , 1997, 17, 1264-1273.	2.3	171
2270	Development and characterization of a Fab fragment as a surrogate for the IL-1 receptor. <i>Techniques in Protein Chemistry</i> , 1997, , 523-I.	0.3	0
2271	Engineering secondary structure to invert coenzyme specificity in isopropylmalate dehydrogenase. <i>Techniques in Protein Chemistry</i> , 1997, 8, 809-816.	0.3	6
2272	[20] Lipoate addition to acyltransferases of $\beta$ -keto acid dehydrogenase complexes and H-protein of glycine cleavage system. <i>Methods in Enzymology</i> , 1997, 279, 184-193.	1.0	3

#	ARTICLE	IF	CITATIONS
2273	[8] Use of transgenic mice to eliminate retinoic acid receptor function in specific tissues. <i>Methods in Enzymology</i> , 1997, 282, 85-97.	1.0	0
2274	Antenna Excited State Decay Kinetics Establish Primary Electron Transfer in Reaction Centers as Heterogeneous. <i>Biochemistry</i> , 1997, 36, 8677-8685.	2.5	25
2275	The polarity of tyrosine 67 in yeast iso-1-cytochrome c monitored by second derivative spectroscopy. <i>Biochemistry and Cell Biology</i> , 1997, 75, 191-197.	2.0	9
2276	Protein Dissection of the Antiparallel Coiled Coil from <i>Escherichia coli</i> Seryl tRNA Synthetase. <i>Biochemistry</i> , 1997, 36, 2544-2549.	2.5	34
2277	NMR Studies of Ca <sup>2+</sup> Binding to the Regulatory Domains of Cardiac and E41A Skeletal Muscle Troponin C Reveal the Importance of Site I to Energetics of the Induced Structural Changes. <i>Biochemistry</i> , 1997, 36, 12519-12525.	2.5	67
2278	On/off blinking and switching behaviour of single molecules of green fluorescent protein. <i>Nature</i> , 1997, 388, 355-358.	27.8	1,281
2279	Bradykinin antagonists in human systems: Correlation between receptor binding, calcium signalling in isolated cells, and functional activity in isolated ileum. <i>Biochemical Pharmacology</i> , 1997, 54, 283-291.	4.4	4
2280	Mutagenic consequences of the incorporation of 6-thioguanine into DNA. <i>Biochemical Pharmacology</i> , 1997, 54, 419-424.	4.4	24
2281	Phosphorylation-dependent power output of transgenic flies: an integrated study. <i>Biophysical Journal</i> , 1997, 73, 3122-3134.	0.5	94
2282	Identification of the molecular recognition sequence which determines the type-specific assembly of procollagen. <i>EMBO Journal</i> , 1997, 16, 908-916.	7.8	135
2283	A consensus sequence for a functional human endogenous retrovirus K (HERV-K) dUTPase. <i>Biochemistry and Cell Biology</i> , 1997, 75, 143-151.	2.0	21
2284	Selective Use of TBP and TFIIB Revealed by a TATA-TBP-TFIIB Array with Altered Specificity. <i>Science</i> , 1997, 275, 829-831.	12.6	41
2285	A Dominant Negative Mutation in <i>Saccharomyces cerevisiae</i> Methionine Aminopeptidase-1 Affects Catalysis and Interferes with the Function of Methionine Aminopeptidase-2. <i>Archives of Biochemistry and Biophysics</i> , 1997, 347, 193-200.	3.0	24
2286	Expression and Characterization of the Catalytic Domain of Human Phenylalanine Hydroxylase. <i>Archives of Biochemistry and Biophysics</i> , 1997, 348, 295-302.	3.0	36
2287	PCNA and DNA Polymerase $\epsilon$ Catalytic Subunit from <i>Schizosaccharomyces pombe</i> Do Not Interact Directly. <i>Biochemical and Biophysical Research Communications</i> , 1997, 231, 321-328.	2.1	21
2288	DNA Sequences Essential for Transcription of Human Phospholipid Transfer Protein Gene in HepG2 Cells. <i>Biochemical and Biophysical Research Communications</i> , 1997, 232, 574-577.	2.1	11
2289	Side-Chain Specificity at Three Temperature-Sensitive Folding Mutation Sites of P22 Tailspike Protein. <i>Biochemical and Biophysical Research Communications</i> , 1997, 233, 857-862.	2.1	4
2290	A Domain Distinct from Nucleoplasmin's Nuclear Localization Sequence Influences Its Transport. <i>Biochemical and Biophysical Research Communications</i> , 1997, 235, 19-25.	2.1	7

#	ARTICLE	IF	CITATIONS
2291	Effects of Two Hypertrophic Cardiomyopathy Mutations in $\beta$ -Tropomyosin, Asp175Asn and Glu180Gly, on $Ca^{2+}$ Regulation of Thin Filament Motility. Biochemical and Biophysical Research Communications, 1997, 236, 760-764.	2.1	76
2292	RNA Splicing Ligase Activity in the Archaeon <i>Haloferax volcanii</i> . Biochemical and Biophysical Research Communications, 1997, 237, 588-594.	2.1	19
2293	Enhancement of Catalytic Activity by Gene Truncation: Activation of L-Aspartase from <i>Escherichia coli</i> . Biochemical and Biophysical Research Communications, 1997, 238, 411-414.	2.1	12
2294	Identification of an N-Formyl Peptide Receptor Ligand Binding Domain by a Gain-of-Function Approach. Biochemical and Biophysical Research Communications, 1997, 238, 377-381.	2.1	30
2295	Large Unphosphorylated Aggregates as the Active Form of hsp27 Which Controls Intracellular Reactive Oxygen Species and Glutathione Levels and Generates a Protection against TNF $\alpha$ in NIH-3T3-ras Cells. Biochemical and Biophysical Research Communications, 1997, 241, 187-192.	2.1	204
2296	Interactions of FLT-1 and KDR with Phospholipase C $\beta$ : Identification of the Phosphotyrosine Binding Sites. Biochemical and Biophysical Research Communications, 1997, 240, 635-639.	2.1	86
2297	Rap1 Overexpression Reveals That Activated RasD Induces Separable Defects during <i>Dictyostelium</i> Development. Developmental Biology, 1997, 190, 273-283.	2.0	4
2298	Characterization of a Mutant Profilin with Reduced Actin-Binding Capacity: Effects in Vitro and in Vivo. Experimental Cell Research, 1997, 234, 66-77.	2.6	18
2299	DNA curvature controls termination of plus strand DNA synthesis at the centre of HIV-1 genome 1 Edited by J. Karn. Journal of Molecular Biology, 1997, 266, 507-524.	4.2	36
2300	Single-chain repressors containing Engineered DNA-binding domains of the phage 434 repressor recognize symmetric or asymmetric DNA operators. Journal of Molecular Biology, 1997, 267, 118-131.	4.2	30
2301	A simple screen for permissive sites in proteins: analysis of <i>Escherichia coli</i> lac permease. Journal of Molecular Biology, 1997, 267, 250-263.	4.2	93
2302	Site-directed mutagenesis of active site contact residues in a hydrolytic abzyme: evidence for an essential histidine involved in transition state stabilization. Journal of Molecular Biology, 1997, 267, 1247-1257.	4.2	49
2303	Biochemical and mutational studies of the 5' to 3' exonuclease of DNA polymerase I of <i>Escherichia coli</i> 1 Edited by A. R. Fersht. Journal of Molecular Biology, 1997, 268, 284-302.	4.2	57
2304	Molecular and immunological analysis of an ABC transporter complex required for cytochrome c biogenesis. Journal of Molecular Biology, 1997, 268, 724-738.	4.2	76
2305	Dual conformations of a T cell receptor $V\alpha$ homodimer: implications for variability in $V\alpha$ domain association 1 Edited by I. A. Wilson. Journal of Molecular Biology, 1997, 269, 385-394.	4.2	18
2306	Molecular recognition in the HIV-1 capsid/cyclophilin A complex 1 Edited by J. A. Wells. Journal of Molecular Biology, 1997, 269, 780-795.	4.2	252
2307	Stable heterodimers from remodeling the domain interface of a homodimer using a phage display library. Journal of Molecular Biology, 1997, 270, 26-35.	4.2	224
2308	Tn 5 transposase mutants that alter DNA binding specificity 1 Edited by G. Smith. Journal of Molecular Biology, 1997, 271, 362-373.	4.2	59

#	ARTICLE	IF	CITATIONS
2309	A thiorredoxin pathway tethered to the membrane for periplasmic cytochromes c biogenesis; in vitro and in vivo studies. <i>Journal of Molecular Biology</i> , 1997, 271, 679-692.	4.2	77
2310	Characterization of nucleosome core particles containing histone proteins made in bacteria 1 Edited by A. Klug. <i>Journal of Molecular Biology</i> , 1997, 272, 301-311.	4.2	446
2311	Structural and functional analyses of activating amino acid substitutions in the receiver domain of NtrC: Evidence for an activating surface. <i>Journal of Molecular Biology</i> , 1997, 273, 299-316.	4.2	45
2312	Interaction of the bacteriophage mu transcriptional activator protein, C, with its target site in the mom promoter 1 Edited by R. Ebright. <i>Journal of Molecular Biology</i> , 1997, 273, 765-774.	4.2	17
2313	Identification of critical IgG binding epitopes on the neonatal Fc receptor. <i>Journal of Molecular Biology</i> , 1997, 274, 597-607.	4.2	85
2314	Loss of biological activity due to Glu→Arg mutation at residue 11 of the B subunit of cholera toxin. <i>Microbial Pathogenesis</i> , 1997, 23, 297-302.	2.9	2
2315	Phospholipase C Isoforms $\beta$ 1 and $\beta$ 3 from Human Fibroblasts. <i>Protein Expression and Purification</i> , 1997, 9, 262-278.	1.3	22
2316	Complementation Cloning of S2P, a Gene Encoding a Putative Metalloprotease Required for Intramembrane Cleavage of SREBPs. <i>Molecular Cell</i> , 1997, 1, 47-57.	9.7	437
2317	An RNA 5'-Triphosphatase Related to the Protein Tyrosine Phosphatases. <i>Cell</i> , 1997, 89, 867-873.	28.9	112
2318	Identification of a conserved phosphorylation site modulating nuclear lamin polymerization. <i>FEBS Letters</i> , 1997, 401, 171-174.	2.8	26
2319	The interaction of synaptic vesicle-associated membrane protein/synaptobrevin with botulinum neurotoxins D and F. <i>FEBS Letters</i> , 1997, 409, 339-342.	2.8	41
2320	Effect of polar side chains at position 172 on thermal stability of 3-isopropylmalate dehydrogenase from <i>Thermus thermophilus</i> . <i>FEBS Letters</i> , 1997, 410, 141-144.	2.8	14
2321	Preliminary NMR studies of <i>Thermus thermophilus</i> ribosomal protein S19 overproduced in <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1997, 415, 155-159.	2.8	2
2322	Botulinum neurotoxin types A and E require the SNARE motif in SNAP-25 for proteolysis. <i>FEBS Letters</i> , 1997, 418, 1-5.	2.8	113
2323	Isolation and characterization of two mutants of human profilin I that do not bind poly(l-proline). <i>FEBS Letters</i> , 1997, 418, 258-264.	2.8	38
2324	High cyclic transhydrogenase activity catalyzed by expressed and reconstituted nucleotide-binding domains of <i>Rhodospirillum rubrum</i> transhydrogenase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1318, 225-234.	1.0	33
2325	Modification of the photosystem II acceptor side function in a D1 mutant (arginine-269-glycine) of <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1322, 60-76.	1.0	35
2326	Conserved phosphorylation of the intracellular domains of GABA <sub>A</sub> receptor $\alpha$ 2 and $\alpha$ 3 subunits by cAMP-dependent protein kinase, cGMP-dependent protein kinase, protein kinase C and Ca <sup>2+</sup> /calmodulin type II-dependent protein kinase. <i>Neuropharmacology</i> , 1997, 36, 1377-1385.	4.1	95

#	ARTICLE	IF	CITATIONS
2327	Analysis of the structure and stability of omega loop A replacements in yeast iso-1-cytochrome c. Protein Science, 1997, 6, 197-210.	7.6	13
2328	A homeodomain point mutation of the Drosophila proboscipedia protein provokes eye loss independently of homeotic function. Mechanisms of Development, 1997, 63, 187-198.	1.7	12
2329	Genome Amplification and Long-Distance Movement Functions Associated with the Central Domain of Tobacco Etch Potyvirus Helper Component-Proteinase. Virology, 1997, 228, 251-262.	2.4	214
2330	[19] Protein engineering of microbial lipases of industrial interest. Methods in Enzymology, 1997, , 317-340.	1.0	48
2331	Cooperative effects of mutations in a recombinant Fab on the kinetics of antigen binding. Molecular Immunology, 1997, 34, 165-173.	2.2	28
2332	Immunoglobulin as a vehicle for foreign antigenic peptides immunogenic to T cells. Molecular Immunology, 1997, 34, 1167-1176.	2.2	31
2333	A distal promoter region of the rice seed storage protein glutelin gene enhanced quantitative gene expression. Plant Science, 1997, 128, 59-65.	3.6	9
2334	Stimulation of the A2A adenosine receptor increases expression of the tyrosine hydroxylase gene. Molecular Brain Research, 1997, 44, 31-38.	2.3	7
2335	The conserved tetracysteine motif in the general secretory pathway component PulE is required for efficient pullulanase secretion. Gene, 1997, 192, 45-50.	2.2	32
2336	Deletion of Escherichia coli groEL is complemented by a Rhizobium leguminosarum groEL homologue at 37°C but not at 43°C. Gene, 1997, 194, 1-8.	2.2	36
2337	The 5'-upstream region of the rat phospholipase C- $\beta$ 3 gene contains two critical Sp1 sites and an HIV Ltr-like element. Gene, 1997, 197, 19-28.	2.2	6
2338	Isolation and cloning of the Yarrowia lipolytica SEC65 gene, a component of the yeast signal recognition particle displaying homology with the human SRP19 gene. Gene, 1997, 203, 75-84.	2.2	11
2339	Mutations that render the promoter of the histidine operon of Salmonella typhimurium insensitive to nutrient-rich medium repression and amino acid downshift. Journal of Bacteriology, 1997, 179, 5211-5217.	2.2	32
2340	Expression of a streptomycete leaderless mRNA encoding chloramphenicol acetyltransferase in Escherichia coli. Journal of Bacteriology, 1997, 179, 6824-6830.	2.2	31
2341	Role of conserved residues in hydrophilic loop 8-9 of the lactose permease. Journal of Bacteriology, 1997, 179, 735-741.	2.2	20
2342	Functional domains of Agrobacterium tumefaciens single-stranded DNA-binding protein VirE2. Journal of Bacteriology, 1997, 179, 1165-1173.	2.2	44
2343	Comparison of the bacterial Hela protein to the F508 region of the cystic fibrosis transmembrane regulator. Journal of Bacteriology, 1997, 179, 7869-7871.	2.2	1
2344	Construction and characterization of an OHIO-1 beta-lactamase bearing Met69Ile and Gly238Ser mutations. Antimicrobial Agents and Chemotherapy, 1997, 41, 1940-1943.	3.2	17

#	ARTICLE	IF	CITATIONS
2345	The <i>Streptomyces galP1</i> promoter has a novel RNA polymerase recognition sequence and is transcribed by a new form of RNA polymerase in vitro. <i>Journal of Bacteriology</i> , 1997, 179, 3222-3231.	2.2	9
2346	Thermosensing properties of mutant aspartate chemoreceptors with methyl-accepting sites replaced singly or multiply by alanine. <i>Journal of Bacteriology</i> , 1997, 179, 6573-6580.	2.2	55
2347	Pyridoxine Refractory X-Linked Sideroblastic Anemia Caused by a Point Mutation in the Erythroid 5-Aminolevulinate Synthase Gene. <i>Blood</i> , 1997, 90, 822-830.	1.4	56
2348	<i>Drosophila</i> TAFII230 and the transcriptional activator VP16 bind competitively to the TATA box-binding domain of the TATA box-binding protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 85-90.	7.1	59
2349	Abnormal Glycosylation of Procathepsin L Due to N-terminal Point Mutations Correlates with Failure to Sort to Lysosomes. <i>Journal of Biological Chemistry</i> , 1997, 272, 8808-8816.	3.4	25
2350	Characterization of <i>hflA</i> mutations resulting in ligand-independent transcriptional activation and ATP hydrolysis. <i>Journal of Bacteriology</i> , 1997, 179, 41-45.	2.2	41
2351	Nuclear localization of basoonuclin in human keratinocytes and the role of phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 7948-7953.	7.1	26
2352	Block and Modulation of <i>N</i> -Methyl-D-Aspartate Receptors by Polyamines and Protons: Role of Amino Acid Residues in the Transmembrane and Pore-Forming Regions of NR1 and NR2 Subunits. <i>Molecular Pharmacology</i> , 1997, 52, 701-713.	2.3	92
2353	A novel, double mutation in DNA gyrase A of <i>Escherichia coli</i> conferring resistance to quinolone antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , 1997, 41, 85-90.	3.2	49
2354	Membrane topology of the metal-tetracycline/H <sup>+</sup> antiporter TetA(K) from <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 1997, 179, 3786-3789.	2.2	33
2355	Identification of a DNA element in the fission yeast <i>Schizosaccharomyces pombe</i> <i>nmt1</i> ( <i>thi3</i> ) promoter involved in thiamine-regulated gene expression. <i>Journal of Bacteriology</i> , 1997, 179, 5956-5958.	2.2	12
2356	Structure-function analyses of the Ssc1p, Mdj1p, and Mge1p <i>Saccharomyces cerevisiae</i> mitochondrial proteins in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1997, 179, 6066-6075.	2.2	51
2357	Mutational analysis of the three cysteines and active-site aspartic acid 103 of ketosteroid isomerase from <i>Pseudomonas putida</i> biotype B. <i>Journal of Bacteriology</i> , 1997, 179, 7742-7747.	2.2	23
2358	Two polypeptide products of the <i>Escherichia coli</i> cell division gene <i>ftsW</i> and a possible role for FtsW in FtsZ function. <i>Journal of Bacteriology</i> , 1997, 179, 784-793.	2.2	49
2359	Altered transcription activation specificity of a mutant form of <i>Bacillus subtilis</i> GltR, a LysR family member. <i>Journal of Bacteriology</i> , 1997, 179, 1035-1043.	2.2	33
2360	Structure and regulation of expression of the <i>Bacillus subtilis</i> <i>valyl-tRNA synthetase</i> gene. <i>Journal of Bacteriology</i> , 1997, 179, 2472-2478.	2.2	26
2361	A functional CFTR-NBF1 is required for ROMK2-CFTR interaction. <i>American Journal of Physiology - Renal Physiology</i> , 1997, 273, F843-F848.	2.7	38
2362	Involvement of Fnr and ArcA in anaerobic expression of the <i>tdc</i> operon of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1997, 179, 4868-4873.	2.2	23



#	ARTICLE	IF	CITATIONS
2363	Genetic analysis of second-site revertants of bacteriophage lambda integrase mutants. <i>Journal of Bacteriology</i> , 1997, 179, 4030-4038.	2.2	9
2364	Identification of cysteine and arginine residues essential for the phosphotransacetylase from <i>Methanosarcina thermophila</i> . <i>Journal of Bacteriology</i> , 1997, 179, 7712-7717.	2.2	24
2365	Host regulation of lysogenic decision in bacteriophage $\lambda$ : Transmembrane modulation of FtsH (HflB), the cII degrading protease, by HflKC (HflA). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 5544-5549.	7.1	107
2366	Activation of Human Plasminogen by Staphylokinase. Direct Evidence That Preformed Plasmin Is Necessary for Activation to Occur. <i>Blood</i> , 1997, 89, 1585-1589.	1.4	47
2367	Expression and Functional Characterization of an Abnormal Platelet Membrane Glycoprotein Ib $\beta$ (Met239 $\rightarrow$ Val) Reported in Patients With Platelet-Type von Willebrand Disease. <i>Blood</i> , 1997, 90, 698-705.	1.4	40
2368	A natural polymorphism in $\beta$ -lactamase is a global suppressor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8801-8806.	7.1	135
2369	Translational coupling by modulation of feedback repression in the IF3 operon of <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 9208-9213.	7.1	15
2370	A strategy of tRNA recognition that includes determinants of RNA structure. <i>Bioorganic and Medicinal Chemistry</i> , 1997, 5, 1011-1019.	3.0	12
2371	Genetically engineered large animal model for studying cone photoreceptor survival and degeneration in retinitis pigmentosa. <i>Nature Biotechnology</i> , 1997, 15, 965-970.	17.5	247
2372	Formation of stable complexes between two Alzheimer's disease gene products: Presenilin-2 and $\beta$ -amyloid precursor protein. <i>Nature Medicine</i> , 1997, 3, 328-332.	30.7	239
2373	Disruption of mouse ERCC1 results in a novel repair syndrome with growth failure, nuclear abnormalities and senescence. <i>Current Biology</i> , 1997, 7, 427-439.	3.9	335
2374	Programmed translational frameshifting in a gene required for yeast telomere replication. <i>Current Biology</i> , 1997, 7, 969-976.	3.9	106
2375	The refined structure of human rhinovirus 16 at 2.15 Å.. resolution: implications for the viral life cycle. <i>Structure</i> , 1997, 5, 427-441.	3.3	151
2376	Dimerization of the Synaptic Vesicle Protein Synaptobrevin (Vesicle-Associated Membrane Protein) II Depends on Specific Residues within the Transmembrane Segment. <i>FEBS Journal</i> , 1997, 249, 540-546.	0.2	74
2377	Reduced Turnover of the D1 Polypeptide and Photoactivation of Electron Transfer in Novel Herbicide Resistant Mutants of <i>Synechocystis</i> sp. PCC 6803. <i>FEBS Journal</i> , 1997, 248, 731-740.	0.2	26
2378	Mutational Analysis of Domain II of Flavonol 3-Sulfotransferase. <i>FEBS Journal</i> , 1997, 247, 1056-1062.	0.2	25
2379	Reactivity of the Tyrosyl Radical of <i>Escherichia Coli</i> Ribonucleotide Reductase. Control by the Protein. <i>FEBS Journal</i> , 1997, 249, 401-407.	0.2	21
2380	Identification of Strictly Conserved Histidine and Arginine Residues as Part of the Active Site in <i>Petunia hybrida</i> Flavanone 3 $\beta$ -Hydroxylase. <i>FEBS Journal</i> , 1997, 249, 748-757.	0.2	125

#	ARTICLE	IF	CITATIONS
2381	High level production of soluble single chain antibodies in small-scale Escherichia coli cultures. Journal of Immunological Methods, 1997, 200, 69-77.	1.4	185
2382	Use of site-directed mutagenesis to generate a herpes simplex virus type 1 strain 17+ mutant lacking seven HindIII restriction endonuclease cleavage sites. Journal of Virological Methods, 1997, 68, 17-32.	2.1	0
2383	Molecular and biochemical characterization of phosphoglucomutases from Entamoeba histolytica and Entamoeba dispar1Note: Nucleotide sequence data from the Entamoeba phosphoglucomutases reported in this paper are available in the EMBL, GenBank®, and DDJB data bases under the accession numbers Y14444 (E. histolytica) and Y14445 (E. dispar).1. Molecular and Biochemical Parasitology, 1997, 90, 121-129.	1.1	16
2384	hexokinases from nonpathogenic Entamoeba dispar1Note: Nucleotide sequence data from the E. dispar hexokinases reported in this paper are available in the EMBL, GenBank®, and DDJB data bases under the accession numbers Y11114 (hxx1) and Y11115 (hxx2), the previously reported sequences from E. histolytica are available under the accession numbers X82197 (hxx1) and X82198 (hxx2).1. Molecular and Biochemical Parasitology, 1997, 86, 55-59.	1.1	1
2385	Site-directed mutants of post-translationally modified sites of yeast eEF1A using a shuttle vector containing a chromogenic switch. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1997, 1350, 345-358.	2.4	24
2386	Effect of site-directed mutagenesis of His373 of yeast enolase on some of its physical and enzymatic properties. BBA - Proteins and Proteomics, 1997, 1340, 88-96.	2.1	20
2387	Mouse disabled (mDab1): a Src binding protein implicated in neuronal development. EMBO Journal, 1997, 16, 121-132.	7.8	319
2388	Functional characterization of the Cdc42p binding domain of yeast Ste20p protein kinase. EMBO Journal, 1997, 16, 83-97.	7.8	193
2389	A novel SNARE complex implicated in vesicle fusion with the endoplasmic reticulum. EMBO Journal, 1997, 16, 3017-3024.	7.8	127
2390	Mapping metal ions at the catalytic centres of two intron-encoded endonucleases. EMBO Journal, 1997, 16, 3272-3281.	7.8	37
2391	Specific arginine and threonine residues control anion binding and transport in the light-driven chloride pump halorhodopsin. EMBO Journal, 1997, 16, 3813-3821.	7.8	58
2392	A member of the Ste20/PAK family of protein kinases is involved in both arrest of Xenopus oocytes at G2/prophase of the first meiotic cell cycle and in prevention of apoptosis. EMBO Journal, 1997, 16, 5550-5561.	7.8	78
2393	Dual phosphorylation of the T-loop in cdk7: its role in controlling cyclin H binding and CAK activity. EMBO Journal, 1997, 16, 343-354.	7.8	71
2394	The catalytic cycle of the Escherichia coli SecA ATPase comprises two distinct preprotein translocation events. EMBO Journal, 1997, 16, 7297-7304.	7.8	181
2395	A novel structural model for regulation of clathrin function. EMBO Journal, 1997, 16, 2227-2239.	7.8	37
2396	The linker region of the ABC-transporter Ste6 mediates ubiquitination and fast turnover of the protein. EMBO Journal, 1997, 16, 2251-2261.	7.8	71
2397	Pleiotropic Mutations in the HIV-1 Matrix Protein That Affect Diverse Steps in Replication. Virology, 1997, 228, 294-306.	2.4	32
2398	Effects of Mutations in the Beet Western Yellows Virus Readthrough Protein on Its Expression and Packaging and on Virus Accumulation, Symptoms, and Aphid Transmission. Virology, 1997, 230, 323-334.	2.4	134

#	ARTICLE	IF	CITATIONS
2399	A Cucumber Necrosis Virus Variant Deficient in Fungal Transmissibility Contains an Altered Coat Protein Shell Domain. <i>Virology</i> , 1997, 234, 138-146.	2.4	39
2400	Viral Determinants of Pea Early Browning Virus Seed Transmission in Pea. <i>Virology</i> , 1997, 234, 112-117.	2.4	51
2401	Suppression of Potyvirus Infection by Coexpressed Closterovirus Protein. <i>Virology</i> , 1997, 234, 243-252.	2.4	41
2402	Splicing Is Required for Transactivation by the Immediate Early Gene 1 of the Lymantria dispar Multinucleocapsid Nuclear Polyhedrosis Virus. <i>Virology</i> , 1997, 235, 153-165.	2.4	27
2403	Recovery of Infectious Human Parainfluenza Virus Type 3 from cDNA. <i>Virology</i> , 1997, 235, 323-332.	2.4	109
2404	Comparison of the Rotavirus Gene 6 from Different Species by Sequence Analysis and Localization of Subgroup-Specific Epitopes Using Site-Directed Mutagenesis. <i>Virology</i> , 1997, 237, 89-96.	2.4	96
2405	Effects of Domain-Switching and Site-Directed Mutagenesis on the Properties and Functions of the VP7 Proteins of Two Orbiviruses. <i>Virology</i> , 1997, 237, 217-227.	2.4	16
2406	The Cysteine Residues of the M2 Protein Are Not Required for Influenza A Virus Replication. <i>Virology</i> , 1997, 238, 128-134.	2.4	43
2407	Mutations of cytochrome b6 in Chlamydomonas reinhardtii disclose the functional significance for a proline to leucine conversion by petB editing in maize and tobacco. <i>Plant Molecular Biology</i> , 1997, 33, 79-86.	3.9	75
2408	Mutagenesis of the D-E loop of photosystem II reaction centre protein D1. Function and assembly of photosystem II. <i>Plant Molecular Biology</i> , 1997, 33, 1059-1071.	3.9	54
2409	Role of PSII-L protein (psbL gene product) on the electron transfer in photosystem II complex. 1. Over-production of wild-type and mutant versions of PSII-L protein and reconstitution into the PSII core complex. <i>Plant Molecular Biology</i> , 1997, 34, 151-161.	3.9	13
2410	Title is missing!. <i>Photosynthesis Research</i> , 1997, 52, 93-103.	2.9	13
2411	Genetically engineered human interleukin-6 variant with enhanced stability. <i>Biotechnology Letters</i> , 1997, 19, 885-888.	2.2	1
2412	Title is missing!. <i>Cellulose</i> , 1997, 4, 33-49.	4.9	97
2413	Studies on structure and function of photosystem II in oxygenic photosynthesis: Stoichiometry of cytochrome b-559 in Synechocystis sp. PCC 6803. <i>Journal of Plant Biology</i> , 1997, 40, 125-131.	2.1	0
2414	Construction and screening of a multi-point site-specific mutant library of subtilisin E with a set of oligonucleotides. <i>Science in China Series C: Life Sciences</i> , 1997, 40, 337-344.	1.3	0
2415	Mitosis-specific phosphorylation of gar2, a fission yeast nucleolar protein structurally related to nucleolin. <i>Chromosoma</i> , 1997, 105, 532-541.	2.2	18
2416	Ultrastructural changes in the Schizosaccharomyces pombe nucleolus following the disruption of the gar2+ gene, which encodes a nucleolar protein structurally related to nucleolin. <i>Chromosoma</i> , 1997, 105, 542-552.	2.2	21

#	ARTICLE	IF	CITATIONS
2417	Nonenzymatic anticoagulant activity of the mutant serine protease Ser360Alaâ€activated protein C mediated by factor Va. Protein Science, 1997, 6, 132-140.	7.6	29
2418	Intrachain disulfide bond in the core hinge region of human IgG4. Protein Science, 1997, 6, 407-415.	7.6	114
2419	<i>Thermoanaerobacter brockii</i> alcohol dehydrogenase: Characterization of the active site metal and its ligand amino acids. Protein Science, 1997, 6, 450-458.	7.6	50
2420	Monomeric variants of IL-8: Effects of side chain substitutions and solution conditions upon dimer formation. Protein Science, 1997, 6, 598-608.	7.6	71
2421	Remodeling domain interfaces to enhance heterodimer formation. Protein Science, 1997, 6, 781-788.	7.6	85
2422	Expression of human cathepsin K in <i>Pichia pastoris</i> and preliminary crystallographic studies of an inhibitor complex. Protein Science, 1997, 6, 919-921.	7.6	99
2423	Characterization of the receptor binding determinants of granulocyte colony stimulating factor. Protein Science, 1997, 6, 1228-1236.	7.6	40
2424	Structural analysis of three His32 mutants of DsbA: Support for an electrostatic role of His32 in DsbA stability. Protein Science, 1997, 6, 1893-1900.	7.6	82
2425	Experimental measurement of the effective dielectric in the hydrophobic core of a protein. Biophysical Chemistry, 1997, 64, 211-224.	2.8	238
2426	On the generation of information as motive power for molecular evolution. Biophysical Chemistry, 1997, 66, 133-143.	2.8	19
2427	Identification of an extended half-site motif required for the function of peroxisome proliferator-activated receptor alpha. Genes To Cells, 1997, 2, 315-327.	1.2	47
2428	SpoIVB has two distinct functions during spore formation in <i>Bacillus subtilis</i> . Molecular Microbiology, 1997, 23, 223-230.	2.5	26
2429	Catabolite repression of the <i>Bacillus subtilis</i> gnt operon exerted by two cataboliteâ€responsive elements. Molecular Microbiology, 1997, 23, 1203-1213.	2.5	84
2430	Maltose-binding protein interacts simultaneously and asymmetrically with both subunits of the Tar chemoreceptor. Molecular Microbiology, 1997, 23, 1181-1191.	2.5	32
2431	Genetic evidence of separate repressor and activator activities of the XylR regulator of the TOL plasmid, pWWO, of <i>Pseudomonas putida</i> . Molecular Microbiology, 1997, 23, 1221-1227.	2.5	25
2432	The gene encoding the major proline transporter of <i>Aspergillus nidulans</i> is upregulated during conidiospore germination and in response to proline induction and amino acid starvation. Molecular Microbiology, 1997, 24, 105-117.	2.5	50
2433	Recognition of <i>E. coli</i> tryptophan synthase by single-chain Fv fragments: comparison of PCR-cloning variants with the parental antibodies. , 1997, 10, 169-181.		12
2434	Characterization of the Checkpoint Gene RAD53/MEC2 in <i>Saccharomyces cerevisiae</i> . , 1997, 13, 735-745.		20

#	ARTICLE	IF	CITATIONS
2435	Structural change and receptor binding in a chemokine mutant with a rearranged disulfide: X-ray structure of e38C/C50A IL-8 at 2 Å... resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 1997, 27, 556-566.	2.6	18
2436	Genetic and biochemical analysis of the transmembrane domain of Arabidopsis 3-hydroxy-3-methylglutaryl coenzyme A reductase. <i>Journal of Cellular Biochemistry</i> , 1997, 65, 443-459.	2.6	13
2437	Phosphorylation of the G protein $\alpha$ -subunit, $G\alpha 2$ , of Dictyostelium discoideum requires a functional and activated $G\alpha 2$ . <i>Journal of Cellular Biochemistry</i> , 1997, 66, 268-276.	2.6	6
2438	MLN64 exhibits homology with the steroidogenic acute regulatory protein (STAR) and is over-expressed in human breast carcinomas. <i>International Journal of Cancer</i> , 1997, 71, 183-191.	5.1	126
2439	Single-Chain Fv Fusion Proteins Suitable as Coating and Detecting Reagents in a Double Antibody Sandwich Enzyme-Linked Immunosorbent Assay. <i>Analytical Biochemistry</i> , 1997, 249, 219-227.	2.4	80
2440	Approaches to DNA Mutagenesis: An Overview. <i>Analytical Biochemistry</i> , 1997, 254, 157-178.	2.4	214
2441	Title is missing!. <i>Photosynthesis Research</i> , 1998, 55, 75-82.	2.9	4
2442	Three cis-elements required for rice alpha-amylase Amy3D expression during sugar starvation. <i>Plant Molecular Biology</i> , 1998, 36, 331-341.	3.9	116
2443	Substitution of Ala-251 of the D1 reaction centre polypeptide with a charged residue results in impaired function of photosystem II. <i>Plant Molecular Biology</i> , 1998, 38, 1191-1200.	3.9	5
2444	Maize mitochondrial seryl-tRNA synthetase recognizes Escherichia coli tRNA(Ser) in vivo and in vitro. <i>Plant Molecular Biology</i> , 1998, 38, 497-502.	3.9	8
2445	Title is missing!. <i>International Journal of Peptide Research and Therapeutics</i> , 1998, 5, 399-408.	0.1	0
2446	Depletion of yeast RNase III blocks correct U2 3' end formation and results in polyadenylated but functional U2 snRNA. <i>EMBO Journal</i> , 1998, 17, 3738-3746.	7.8	107
2447	DNA binding by the KP repressor protein inhibits P-element transposase activity in vitro. <i>EMBO Journal</i> , 1998, 17, 4166-4174.	7.8	64
2448	Ribosomes inhibit an RNase E cleavage which induces the decay of the rpsO mRNA of Escherichia coli. <i>EMBO Journal</i> , 1998, 17, 4790-4797.	7.8	93
2449	Specific binding to a novel and essential Golgi membrane protein (Yip1p) functionally links the transport GTPases Ypt1p and Ypt31p. <i>EMBO Journal</i> , 1998, 17, 4954-4963.	7.8	117
2450	The Cdc42p effector Gic2p is targeted for ubiquitin-dependent degradation by the SCFGrr1 complex. <i>EMBO Journal</i> , 1998, 17, 5360-5373.	7.8	95
2451	Crm1p mediates regulated nuclear export of a yeast AP-1-like transcription factor. <i>EMBO Journal</i> , 1998, 17, 7416-7429.	7.8	224
2452	TyeA, a protein involved in control of Yop release and in translocation of Yersinia Yop effectors. <i>EMBO Journal</i> , 1998, 17, 1907-1918.	7.8	149

#	ARTICLE	IF	CITATIONS
2453	Genus-Specific Expression from the SL RNA Promoter of <i>Leishmania amazonensis</i> . <i>Experimental Parasitology</i> , 1998, 89, 266-270.	1.2	2
2454	Studies of the Binding Properties of Influenza Hemagglutinin Receptor-Site Mutants. <i>Virology</i> , 1998, 241, 101-111.	2.4	135
2455	Differential Stability of Baculovirus Late Transcription Complexes during Initiation and Elongation. <i>Virology</i> , 1998, 241, 131-140.	2.4	6
2456	Mutations in a Carboxy-Terminal Region of Vesicular Stomatitis Virus Glycoprotein G That Affect Membrane Fusion Activity. <i>Virology</i> , 1998, 242, 39-50.	2.4	36
2457	The Significance of the 3'-Nontranslated Region and E2 Amino Acid Mutations in the Virulence of Semliki Forest Virus in Mice. <i>Virology</i> , 1998, 243, 66-77.	2.4	20
2458	Improved Envelope Function Selected by Long-Term Cultivation of a Translation-Impaired HIV-1 Mutant. <i>Virology</i> , 1998, 244, 552-562.	2.4	32
2459	Vaccinia Virus Nucleoside Triphosphate Phosphohydrolase I Is an Essential Viral Early Gene Transcription Termination Factor. <i>Virology</i> , 1998, 245, 360-371.	2.4	45
2460	Proteolytic Processing of Rubella Virus Nonstructural Proteins. <i>Virology</i> , 1998, 246, 74-82.	2.4	25
2461	A Single Nucleotide Substitution in the Transcription Start Signal of the M2 Gene of Respiratory Syncytial Virus Vaccine Candidate cpts248/404 Is the Major Determinant of the Temperature-Sensitive and Attenuation Phenotypes. <i>Virology</i> , 1998, 247, 232-239.	2.4	71
2462	AcMNPV Late Expression Factor-5 Interacts with Itself and Contains a Zinc Ribbon Domain That Is Required for Maximal Late Transcription Activity and Is Homologous to Elongation Factor TFIIS. <i>Virology</i> , 1998, 250, 118-134.	2.4	39
2463	Sequence Element Required for Efficient +1 Ribosomal Frameshifting in Red Clover Necrotic Mosaic Dianthovirus. <i>Virology</i> , 1998, 250, 50-59.	2.4	35
2464	Isolation and Stability of Histidine-Tagged Proteins Produced in Plants via Potyvirus Gene Vectors. <i>Virology</i> , 1998, 252, 269-274.	2.4	28
2465	Membrane Targeting Sequences in Tombusvirus Infections. <i>Virology</i> , 1998, 252, 431-437.	2.4	82
2466	Interaction of a G-protein $\beta$ -subunit with a conserved sequence in Ste20/PAK family protein kinases. <i>Nature</i> , 1998, 391, 191-195.	27.8	209
2467	An efficient route to human bispecific IgG. <i>Nature Biotechnology</i> , 1998, 16, 677-681.	17.5	406
2468	Rapid cloning of expanded trinucleotide repeat sequences from genomic DNA. <i>Nature Genetics</i> , 1998, 18, 72-75.	21.4	109
2469	Mice with gene targetted prion protein alterations show that Prnp, Sine and Prni are congruent. <i>Nature Genetics</i> , 1998, 18, 118-125.	21.4	184
2470	The leucine-based motif DDQxxLI is recognized both for internalization and basolateral sorting of invariant chain in MDCK cells. <i>European Journal of Cell Biology</i> , 1998, 76, 25-32.	3.6	25



#	ARTICLE	IF	CITATIONS
2471	The role of valency in the selection of anti-carbohydrate single-chain Fvs from phage display libraries. <i>Journal of Immunological Methods</i> , 1998, 220, 39-49.	1.4	35
2472	Structure-mutation analysis of the ATPase site of myosin II. <i>Advances in Biophysics</i> , 1998, 35, 1-24.	0.5	14
2473	Affinity purification of HC-Pro of potyviruses with Ni <sup>2+</sup> -NTA resin. <i>Journal of Virological Methods</i> , 1998, 76, 19-29.	2.1	14
2474	Single nucleotide resolution of promoter activity and protein binding for the <i>Leishmania tarentolae</i> spliced leader RNA gene. <i>Molecular and Biochemical Parasitology</i> , 1998, 94, 265-281.	1.1	30
2475	The function of Glu338 in the catalytic triad of the carbamoyl phosphate synthetase amidotransferase domain. <i>BBA - Proteins and Proteomics</i> , 1998, 1388, 489-499.	2.1	12
2476	Threonine 82 in the regulatory chain is important for nucleotide affinity and for the allosteric stabilization of <i>Escherichia coli</i> aspartate transcarbamoylase. <i>BBA - Proteins and Proteomics</i> , 1998, 1429, 249-258.	2.1	2
2477	A single dipeptide sequence modulates the redox properties of a whole enzyme family. <i>Folding &amp; Design</i> , 1998, 3, 161-171.	4.5	174
2478	Protein thermostabilization by proline substitutions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1998, 4, 167-180.	1.8	66
2479	Functional analyses of the domain structure in the Holliday junction binding protein RuvA. <i>Structure</i> , 1998, 6, 11-21.	3.3	57
2480	Measurement of Photosystem I Activity with Photoreduction of Recombinant Flavodoxin. <i>Analytical Biochemistry</i> , 1998, 264, 263-270.	2.4	19
2481	The GDPAL region of the pre-s1 envelope protein is important for morphogenesis of woodchuck hepatitis virus. <i>Hepatology</i> , 1998, 27, 1408-1414.	7.3	3
2482	Expression of the membrane protein glycophorin A as a fusion with the antibiotic resistance protein neomycin phosphotransferase II. , 1998, 57, 238-244.		2
2483	The Sge1 protein of <i>Saccharomyces cerevisiae</i> is a membrane-associated multidrug transporter. , 1998, 14, 49-65.		27
2484	Specific fluorescent labeling of two functional domains in RNA polymerase $\hat{\pm}$ subunit. , 1998, 30, 183-192.		1
2485	Role of quaternary structure in muscle creatine kinase stability: Tryptophan 210 is important for dimer cohesion. , 1998, 32, 43-51.		33
2486	Novel nuclear localization signal between the two DNA-binding zinc fingers in the human vitamin D receptor. <i>Journal of Cellular Biochemistry</i> , 1998, 70, 94-109.	2.6	69
2487	Dissociation of ligand-induced internalization of CXCR-4 from its co-receptor activity for HIV-1 Env-mediated membrane fusion. <i>Archives of Virology</i> , 1998, 143, 851-861.	2.1	9
2488	Probing structural elements of thermal stability in bacterial oligomeric alcohol dehydrogenases. I. Construction and characterization of chimeras consisting of secondary ADHs from <i>Thermoanaerobacter brockii</i> and <i>Clostridium beijerinckii</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 1998, 5, 399-408.	0.1	5

#	ARTICLE	IF	CITATIONS
2489	Protein-chromophore interactions: spectral shifts report the consequences of mutations in the bacterial photosynthetic reaction center. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 54, 1247-1267.	3.9	19
2490	Serial increase in the thermal stability of 3-isopropylmalate dehydrogenase from <i>Bacillus subtilis</i> by experimental evolution. <i>Protein Science</i> , 1998, 7, 698-705.	7.6	73
2491	Contextâ€dependent protein stabilization by methionineâ€toâ€leucine substitution shown in T4 lysozyme. <i>Protein Science</i> , 1998, 7, 765-773.	7.6	47
2492	Mutagenesis of histidine 26 demonstrates the importance of loopâ€loop and loopâ€protein interactions for the function of isoâ€cytochrome c. <i>Protein Science</i> , 1998, 7, 994-1005.	7.6	10
2493	The dimerization motif of the glycoporphin A transmembrane segment in membranes: Importance of glycine residues. <i>Protein Science</i> , 1998, 7, 1052-1056.	7.6	207
2494	Enhanced thermal stability of <i>Clostridium beijerinckii</i> alcohol dehydrogenase after strategic substitution of amino acid residues with prolines from the homologous thermophilic <i>Thermoanaerobacter brockii</i> alcohol dehydrogenase. <i>Protein Science</i> , 1998, 7, 1156-1163.	7.6	100
2495	Characterization of <i>Escherichia coli</i> thioredoxin variants mimicking the activeâ€sites of other thiol/disulfide oxidoreductases. <i>Protein Science</i> , 1998, 7, 1233-1244.	7.6	167
2496	Structure and stability of the P93G variant of ribonuclease A. <i>Protein Science</i> , 1998, 7, 1620-1625.	7.6	26
2497	Phage P22 tailspike protein: Removal of headâ€binding domain unmasks effects of folding mutations on nativeâ€state thermal stability. <i>Protein Science</i> , 1998, 7, 2223-2232.	7.6	40
2498	Surface salt bridges stabilize the GCN4 leucine zipper. <i>Protein Science</i> , 1998, 7, 2431-2437.	7.6	94
2499	Phosphorylation mediates the nuclear targeting of the maize Rab17 protein. <i>Plant Journal</i> , 1998, 13, 691-697.	5.7	109
2500	Genetic evidence for an essential role for potyvirus CI protein in cell-to-cell movement. <i>Plant Journal</i> , 1998, 14, 393-400.	5.7	175
2501	Characterization of the TAC box, a cis-element within an elicitor-inducible sesquiterpene cyclase promoter. <i>Plant Journal</i> , 1998, 16, 1-12.	5.7	4
2502	Mutational analysis on structure-function relationship of a Holliday junction specific endonuclease RuvC. <i>Genes To Cells</i> , 1998, 3, 575-586.	1.2	19
2503	Type II protein secretion by <i>Pseudomonas aeruginosa</i> : genetic suppression of a conditional mutation in the pilin-like component XcpT by the cytoplasmic component XcpR. <i>Molecular Microbiology</i> , 1998, 27, 221-233.	2.5	72
2504	The requirement for DsbA in pullulanase secretion is independent of disulphide bond formation in the enzyme. <i>Molecular Microbiology</i> , 1998, 27, 661-667.	2.5	32
2505	Influence of FIS on the transcription from closely spaced and non-overlapping divergent promoters for an aminoacyl-tRNA synthetase gene ( <i>gltX</i> ) and a tRNA operon ( <i>valU</i> ) in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1998, 27, 1141-1156.	2.5	15
2506	Antagonistic effects of dual PTSâ€catalysed phosphorylation on the <i>Bacillus subtilis</i> transcriptional activator LevR. <i>Molecular Microbiology</i> , 1998, 28, 293-303.	2.5	105

#	ARTICLE	IF	CITATIONS
2507	A 45 bp inverted repeat is required for cell cycle regulation of the Escherichia coli nrd operon. Molecular Microbiology, 1998, 28, 1307-1314.	2.5	11
2508	Multiple cis-acting sites positively regulate Escherichia coli nrd expression. Molecular Microbiology, 1998, 28, 1315-1322.	2.5	25
2509	A mechanism for simultaneous sensing of aspartate and maltose by the Tar chemoreceptor of Escherichia coli. Molecular Microbiology, 1998, 29, 1147-1154.	2.5	20
2510	The Escherichia coli threonyl-tRNA synthetase gene contains a split ribosomal binding site interrupted by a hairpin structure that is essential for autoregulation. Molecular Microbiology, 1998, 29, 1077-1090.	2.5	41
2511	Genetic and biochemical characterization of mutations affecting the carboxy-terminal domain of the Escherichia coli molecular chaperone DnaJ. Molecular Microbiology, 1998, 30, 329-340.	2.5	40
2512	Plum pox potyvirus resistance associated to transgene silencing that can be stabilized after different number of plant generations. Gene, 1998, 206, 263-272.	2.2	29
2513	Expression of Reticulomyxa filosa $\alpha$ - and $\beta$ -tubulins in Escherichia coli yields soluble and partially correctly folded material. Gene, 1998, 212, 87-94.	2.2	9
2514	Characterization of alg2 encoding a mannosyltransferase in the zygomycete fungus Rhizomucor pusillus. Gene, 1998, 221, 179-184.	2.2	13
2515	Site-directed mutagenesis of the A-factor receptor protein. Gene, 1998, 222, 133-144.	2.2	39
2516	The fork head transcription factor Hcm1p participates in the regulation of SPC110, which encodes the calmodulin-binding protein in the yeast spindle pole body. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1448, 236-244.	4.1	26
2517	DNA multi-CTL epitope vaccines for HIV and Plasmodium falciparum: immunogenicity in mice. Vaccine, 1998, 16, 426-435.	3.8	125
2518	Temporal Regulation of RNA Polymerase II by Srb10 and Kin28 Cyclin-Dependent Kinases. Molecular Cell, 1998, 2, 43-53.	9.7	370
2519	Molecular Identification of the Sterol-Regulated Luminal Protease that Cleaves SREBPs and Controls Lipid Composition of Animal Cells. Molecular Cell, 1998, 2, 505-514.	9.7	371
2520	Biotinylation of Single Cysteine Mutants of the Glutamate Transporter GLT-1 from Rat Brain Reveals Its Unusual Topology. Neuron, 1998, 21, 623-632.	8.1	148
2521	Sec3p Is a Spatial Landmark for Polarized Secretion in Budding Yeast. Cell, 1998, 92, 559-571.	28.9	349
2522	GBP, an Inhibitor of GSK-3, Is Implicated in Xenopus Development and Oncogenesis. Cell, 1998, 93, 1031-1041.	28.9	304
2523	A Counterdefensive Strategy of Plant Viruses. Cell, 1998, 95, 461-470.	28.9	749
2524	Regulation and pH-dependent expression of a bilaterally truncated yeast plasma membrane H <sup>+</sup> -ATPase. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1372, 261-271.	2.6	16

#	ARTICLE	IF	CITATIONS
2525	Effect of pea and bovine trypsin inhibitors on wild-type and modified trypsins. FEBS Letters, 1998, 423, 167-172.	2.8	14
2526	An efficient system for site-directed mutagenesis to make various mutants of the env gene of human immunodeficiency virus type 1. FEBS Letters, 1998, 430, 333-337.	2.8	1
2527	A conserved aspartate is essential for FAD binding and catalysis in the D-amino acid oxidase from <i>Trigonopsis variabilis</i> . FEBS Letters, 1998, 436, 119-122.	2.8	8
2528	Structure and expression of several bean ( <i>Phaseolus vulgaris</i> ) nuclear transfer RNA genes: relevance to the process of tRNA import into plant mitochondria. Plant Molecular Biology, 1998, 36, 613-625.	3.9	10
2529	Molecular Analysis of Mutations in the CSB (ERCC6) Gene in Patients with Cockayne Syndrome. American Journal of Human Genetics, 1998, 62, 77-85.	6.2	145
2530	Cleavage of Sterol Regulatory Element-binding Proteins (SREBPs) at Site-1 Requires Interaction with SREBP Cleavage-activating Protein. Journal of Biological Chemistry, 1998, 273, 5785-5793.	3.4	200
2531	Engineering of S2 Site of Aqualysin I; Alteration of P2 Specificity by Excluding P2 Side Chain. Biochemistry, 1998, 37, 17402-17407.	2.5	14
2532	Oligonucleotide-Directed Mutagenesis Without Phenotypic Selection. Current Protocols in Neuroscience, 1998, 3, 4.10.1-4.10.6.	2.6	5
2533	His <sup>66</sup> -Asp Catalytic Dyad of Ribonuclease A: Structure and Function of the Wild-Type, D121N, and D121A Enzymes. Biochemistry, 1998, 37, 8886-8898.	2.5	76
2534	Secretion of Recombinant Pro- and Mature Fungal $\alpha$ -Sarcin Ribotoxin by the Methylophilic Yeast <i>Pichia pastoris</i> : The Lys <sup>10</sup> -Arg Motif Is Required for Maturation. Protein Expression and Purification, 1998, 12, 315-322.	1.3	32
2535	The Corn Inhibitor of Activated Hageman Factor: Purification and Properties of Two Recombinant Forms of the Protein. Protein Expression and Purification, 1998, 13, 143-149.	1.3	14
2536	SPEX, a System for the Expression of Recombinant Proteins from Gram-Positive Bacterial Vectors. Protein Expression and Purification, 1998, 14, 409-417.	1.3	6
2537	Alteration of the $\alpha$ -Helix Region of Cyanobacterial Ribulose 1,5-Bisphosphate Carboxylase/Oxygenase to Reflect Sequences Found in High Substrate Specificity Enzymes. Archives of Biochemistry and Biophysics, 1998, 349, 81-88.	3.0	16
2538	Mutational Analysis of the Four $\alpha$ -Helix Bundle Iron-Loading Channel of Rat Liver Ferritin. Archives of Biochemistry and Biophysics, 1998, 352, 71-77.	3.0	10
2539	Role of Allosteric Zinc Interdomain Region of the Regulatory Subunit in the Allosteric Regulation of Aspartate Transcarbamoylase from <i>Escherichia coli</i> . Archives of Biochemistry and Biophysics, 1998, 354, 215-224.	3.0	1
2540	Contribution of Basic Residues of the D and H Helices in Heparin Binding to Protein C Inhibitor. Archives of Biochemistry and Biophysics, 1998, 355, 101-108.	3.0	33
2541	Investigation of a Catalytic Zinc Binding Site in <i>Escherichia coli</i> Threonine Dehydrogenase by Site-Directed Mutagenesis of Cysteine-38. Archives of Biochemistry and Biophysics, 1998, 358, 211-221.	3.0	17
2542	CCAAT/Enhancer-Binding Protein $\beta$ Gene Expression Is Mediated by Autoregulation through Downstream Binding Sites. Biochemical and Biophysical Research Communications, 1998, 242, 88-92.	2.1	27

#	ARTICLE	IF	CITATIONS
2543	Functional Analysis of Conserved Histidines in ADP-Glucose Pyrophosphorylase from <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 1998, 244, 573-577.	2.1	8
2544	Direct Identification of Each Specific Mutation in Codon 12 and 13 of <i>ci-ki-ras2</i> by SSCP Analysis. <i>Biochemical and Biophysical Research Communications</i> , 1998, 246, 813-815.	2.1	8
2545	Amino Acid Substitutions in the Subunit Interface Enhancing Thermostability of <i>Thermoplasma acidophilum</i> Citrate Synthase. <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 566-571.	2.1	8
2546	Cooperativity of Mutational Effects within a Six Amino Acid Residues Substitution That Induces a Major Conformational Change in Human H Ferritin. <i>Biochemical and Biophysical Research Communications</i> , 1998, 250, 342-346.	2.1	9
2547	Identification of a Site That Modifies Desensitization of P2X2 Receptors. <i>Biochemical and Biophysical Research Communications</i> , 1998, 252, 541-545.	2.1	27
2548	Activation of the Rat Cyclin A Promoter by ATF2 and Jun Family Members and Its Suppression by ATF4. <i>Experimental Cell Research</i> , 1998, 239, 93-103.	2.6	115
2549	Chicken Chromobox Proteins: cDNA Cloning of CHCB1, -2, -3 and Their Relation to W-Heterochromatin. <i>Experimental Cell Research</i> , 1998, 242, 303-314.	2.6	28
2550	Structure of single-disulfide variants of bovine pancreatic trypsin inhibitor (BPTI) as probed by their binding to bovine I <sup>2</sup> -trypsin. <i>Journal of Molecular Biology</i> , 1998, 275, 503-513.	4.2	31
2551	Mutational analysis of domain III <sup>2</sup> of bacteriophage Mu transposase: domains III <sup>±</sup> and III <sup>2</sup> belongs to different catalytic complementation groups 1 Edited by J. H. Miller. <i>Journal of Molecular Biology</i> , 1998, 275, 221-232.	4.2	22
2552	Generation of ligand binding sites in T4 lysozyme by deficiency-creating substitutions. <i>Journal of Molecular Biology</i> , 1998, 277, 467-485.	4.2	48
2553	Smaller, faster ribozymes reveal the catalytic core of <i>Neurospora</i> VS RNA. <i>Journal of Molecular Biology</i> , 1998, 277, 215-224.	4.2	45
2554	Missense mutations that inactivate <i>Escherichia coli</i> lac permease. <i>Journal of Molecular Biology</i> , 1998, 277, 199-213.	4.2	7
2555	The mechanism of the elongation and branching reaction of Poly(ADP-ribose) polymerase as derived from crystal structures and mutagenesis. <i>Journal of Molecular Biology</i> , 1998, 278, 57-65.	4.2	155
2556	The major coat protein of filamentous bacteriophage f1 specifically pairs in the bacterial cytoplasmic membrane 1 Edited by M. Gottesman. <i>Journal of Molecular Biology</i> , 1998, 279, 19-29.	4.2	37
2557	Different pathways for protein degradation by the FtsH/HflKC membrane-embedded protease complex: an implication from the interference by a mutant form of a new substrate protein, YccA 1 Edited by J. Karn. <i>Journal of Molecular Biology</i> , 1998, 279, 175-188.	4.2	113
2558	A toggle duplex in hepatitis delta virus self-cleaving RNA that stabilizes an inactive and a salt-dependent pro-active ribozyme conformation. <i>Journal of Molecular Biology</i> , 1998, 279, 361-373.	4.2	49
2559	Role of the C-terminal tryptophan residue for the structure-function of the alphavirus capsid protein. <i>Journal of Molecular Biology</i> , 1998, 279, 865-872.	4.2	31
2560	Analyzing the functional organization of a novel restriction modification system, the BcgI system. <i>Journal of Molecular Biology</i> , 1998, 279, 823-832.	4.2	37

#	ARTICLE	IF	CITATIONS
2561	Contribution of individual residues to formation of the native-like tertiary topology in the $\beta$ -lactalbumin molten globule. <i>Journal of Molecular Biology</i> , 1998, 280, 167-174.	4.2	76
2562	Allosteric regulation and substrate channeling in multifunctional pyrimidine biosynthetic complexes: analysis of isolated domains and yeast-mammalian chimeric proteins. <i>Journal of Molecular Biology</i> , 1998, 281, 363-377.	4.2	13
2563	Folding intermediates of a self-splicing RNA: mispairing of the catalytic core. <i>Journal of Molecular Biology</i> , 1998, 280, 597-609.	4.2	197
2564	Defining the structural and functional roles of the carboxyl region of the bacteriophage lambda excisionase (Xis) protein 1 1Edited by M. Gottesman. <i>Journal of Molecular Biology</i> , 1998, 281, 651-661.	4.2	28
2565	ErmE methyltransferase recognition elements in RNA substrates 1 1Edited by D. E. Draper. <i>Journal of Molecular Biology</i> , 1998, 282, 255-264.	4.2	26
2566	Antibiotic inhibition of RNA catalysis: neomycin B binds to the catalytic core of the td group I intron displacing essential metal ions 1 1Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 1998, 282, 557-569.	4.2	77
2567	An arginine residue (arg101), which is conserved in many GroEL homologues, is required for interactions between the two heptameric rings 1 1Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 1998, 282, 789-800.	4.2	6
2568	Multiple oligomerisation domains in the IS911 transposase: a leucine zipper motif is essential for activity. <i>Journal of Molecular Biology</i> , 1998, 283, 29-41.	4.2	46
2569	Inactivity of N229A thymidylate synthase due to water-mediated effects: isolating a late stage in methyl transfer. <i>Journal of Molecular Biology</i> , 1998, 284, 699-712.	4.2	9
2570	Genetic analysis of <i>Xenopus</i> transcription factor IIIA 1 1Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1998, 284, 1307-1322.	4.2	15
2571	Multiple GPI-Anchored Receptors Control GDNF-Dependent and Independent Activation of the c-Ret Receptor Tyrosine Kinase. <i>Molecular and Cellular Neurosciences</i> , 1998, 11, 47-63.	2.2	172
2572	Familial Hyperinsulinism Caused by an Activating Glucokinase Mutation. <i>New England Journal of Medicine</i> , 1998, 338, 226-230.	27.0	537
2573	Antifreeze Proteins Bind Independently to Ice. <i>Biophysical Journal</i> , 1998, 74, 1502-1508.	0.5	88
2574	Effects of mutations in the starch-binding domain of <i>Bacillus macerans</i> cyclodextrin glycosyltransferase. <i>Journal of Biotechnology</i> , 1998, 65, 191-202.	3.8	26
2575	A four-to-one association between peptide motifs: four C-terminal domains from cholinesterase assemble with one proline-rich attachment domain (PRAD) in the secretory pathway. <i>EMBO Journal</i> , 1998, 17, 6178-6187.	7.8	77
2576	Genetic and morphological analyses reveal a critical interaction between the C-termini of two SNARE proteins and a parallel four helical arrangement for the exocytic SNARE complex. <i>EMBO Journal</i> , 1998, 17, 6200-6209.	7.8	91
2577	Proteolytic refolding of the HIV-1 capsid protein amino-terminus facilitates viral core assembly. <i>EMBO Journal</i> , 1998, 17, 1555-1568.	7.8	314
2578	Analysis of mechanisms of epidermal proliferation induced by intracutaneous injection of cholera toxin by the use of site-specifically mutated cholera toxins. <i>Journal of Dermatological Science</i> , 1998, 16, 182-190.	1.9	2



#	ARTICLE	IF	CITATIONS
2579	Cancer Gene Therapy by Direct Tumor Injections of a Nonviral T7 Vector Encoding a Thymidine Kinase Gene. <i>Human Gene Therapy</i> , 1998, 9, 729-736.	2.7	26
2580	Determinants of DNA Binding and Bending by the <i>Saccharomyces cerevisiae</i> High Mobility Group Protein NHP6A That Are Important for Its Biological Activities. <i>Journal of Biological Chemistry</i> , 1998, 273, 4424-4435.	3.4	69
2581	Mechanistic Studies of an Antibody-Catalyzed Elimination Reaction. <i>Journal of the American Chemical Society</i> , 1998, 120, 5160-5167.	13.7	18
2582	Pollen Tube Localization Implies a Role in Pollen-Pistil Interactions for the Tomato Receptor-like Protein Kinases LePRK1 and LePRK2. <i>Plant Cell</i> , 1998, 10, 319-330.	6.6	146
2583	Effects of Age on the Posttranscriptional Regulation of CCAAT/Enhancer Binding Protein $\beta$ and CCAAT/Enhancer Binding Protein $\beta$ Isoform Synthesis in Control and LPS-Treated Livers. <i>Molecular Biology of the Cell</i> , 1998, 9, 1479-1494.	2.1	59
2584	Cooperative interaction of branch signals in the actin intron of <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 1998, 26, 4137-4145.	14.5	2
2585	A Large PEST-like Sequence Directs the Ubiquitination, Endocytosis, and Vacuolar Degradation of the Yeast $\alpha$ -Factor Receptor. <i>Journal of Cell Biology</i> , 1998, 142, 949-961.	5.2	95
2586	Functional Analysis of the Amino-terminal 8-kDa Domain of DNA Polymerase $\beta$ as Revealed by Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 1998, 273, 11121-11126.	3.4	133
2587	Molecular Determinants of Na <sup>+</sup> Channel Function in the Extracellular Domain of the $\beta$ 1 Subunit. <i>Journal of Biological Chemistry</i> , 1998, 273, 3954-3962.	3.4	132
2588	Anti- $\beta$ 2 glycoprotein I ( $\beta$ 2GPI) autoantibodies recognize an epitope on the first domain of $\beta$ 2GPI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 15542-15546.	7.1	225
2589	Mediation of Cyclic AMP Signaling by the First Intracellular Loop of the Gonadotropin-releasing Hormone Receptor. <i>Journal of Biological Chemistry</i> , 1998, 273, 25581-25586.	3.4	85
2590	Identification of Kel1p, a Kelch Domain-containing Protein Involved in Cell Fusion and Morphology in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 1998, 143, 375-389.	5.2	88
2591	Casein Kinase II Stabilizes the Activity of Human Topoisomerase II $\alpha$ in a Phosphorylation-independent Manner. <i>Journal of Biological Chemistry</i> , 1998, 273, 3635-3642.	3.4	32
2592	Multiple Forms of Arginase Are Differentially Expressed from a Single Locus in <i>Neurospora crassa</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 29776-29785.	3.4	18
2593	Processing and Function of a Polyprotein Precursor of Two Mitochondrial Proteins in <i>Neurospora crassa</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 7972-7980.	3.4	12
2594	Identification of Amino Acids in the Binding Pocket of the Human KDEL Receptor. <i>Journal of Biological Chemistry</i> , 1998, 273, 2467-2472.	3.4	44
2595	Mutation of Residue Threonine-2 of the D2 Polypeptide and Its Effect on Photosystem II Function in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 1998, 117, 515-524.	4.8	28
2596	Regulatory Properties of the NH <sub>2</sub> - and COOH-terminal Domains of Troponin T. <i>Journal of Biological Chemistry</i> , 1998, 273, 10594-10601.	3.4	97

#	ARTICLE	IF	CITATIONS
2597	The Role of Residue 238 of TEM-1 $\beta$ -Lactamase in the Hydrolysis of Extended-spectrum Antibiotics. Journal of Biological Chemistry, 1998, 273, 26603-26609.	3.4	45
2598	Determinants of Ligand Specificity of Estrogen Receptor- $\beta$ : Estrogen versus Androgen Discrimination. Journal of Biological Chemistry, 1998, 273, 693-699.	3.4	67
2599	A Leucine-based Motif Mediates the Endocytosis of Vesicular Monoamine and Acetylcholine Transporters. Journal of Biological Chemistry, 1998, 273, 17351-17360.	3.4	103
2600	Characterization of KIF1C, a New Kinesin-like Protein Involved in Vesicle Transport from the Golgi Apparatus to the Endoplasmic Reticulum. Journal of Biological Chemistry, 1998, 273, 20267-20275.	3.4	121
2601	Binding of c-Raf1 Kinase to a Conserved Acidic Sequence within the Carboxyl-terminal Region of the HIV-1 Nef Protein. Journal of Biological Chemistry, 1998, 273, 15727-15733.	3.4	34
2602	Identification of Amino Acid Residues That Form Part of the Ligand-binding Pocket of Integrin $\alpha 5 \beta 1$ . Journal of Biological Chemistry, 1998, 273, 25664-25672.	3.4	51
2603	Mutational Effect of Fission Yeast Pol $\delta$ on Cell Cycle Events. Molecular Biology of the Cell, 1998, 9, 2107-2123.	2.1	51
2604	Dimerization and Autoprocessing of the Nedd2 (Caspase-2) Precursor Requires both the Prodomain and the Carboxyl-terminal Regions. Journal of Biological Chemistry, 1998, 273, 6763-6768.	3.4	101
2605	A New Remote Subsite in Ribonuclease A. Journal of Biological Chemistry, 1998, 273, 34134-34138.	3.4	52
2606	Proteins of Newly Isolated Mutants and the Amino-terminal Proline Are Essential for Ubiquitin-Proteasome-catalyzed Catabolite Degradation of Fructose-1,6-bisphosphatase of <i>Saccharomyces cerevisiae</i> . Journal of Biological Chemistry, 1998, 273, 25000-25005.	3.4	96
2607	Direct Evidence for Rapid Degradation of <i>Bacillus thuringiensis</i> Toxin mRNA as a Cause of Poor Expression in Plants1. Plant Physiology, 1998, 117, 1445-1461.	4.8	82
2608	Specific telomerase RNA residues distant from the template are essential for telomerase function. Genes and Development, 1998, 12, 3286-3300.	5.9	69
2609	The CCA-adding Enzyme Has a Single Active Site. Journal of Biological Chemistry, 1998, 273, 29693-29700.	3.4	71
2610	Structure of the Rat Inhibin and Activin $\beta$ A-Subunit Gene and Regulation in an Ovarian Granulosa Cell Line*. Endocrinology, 1998, 139, 3271-3279.	2.8	40
2611	Cloning of Genomic DNA of <i>Rhizopus niveus</i> Lipase and Expression in the Yeast <i>Saccharomyces cerevisiae</i> . Bioscience, Biotechnology and Biochemistry, 1998, 62, 2425-2427.	1.3	9
2612	Nuclear Factor-1 Motif and Redundant Regulatory Elements Comprise Phenobarbital-Responsive Enhancer in <i>CYP2B1/2</i> . DNA and Cell Biology, 1998, 17, 461-470.	1.9	29
2613	Yeast Transcript Elongation Factor (TFIIS), Structure and Function. Journal of Biological Chemistry, 1998, 273, 22595-22605.	3.4	71
2614	Vascular endothelial growth factor B (VEGF-B) binds to VEGF receptor-1 and regulates plasminogen activator activity in endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 11709-11714.	7.1	472

#	ARTICLE	IF	CITATIONS
2615	Physiological function and regulation of flavocytochrome c3, the soluble fumarate reductase from <i>Shewanella putrefaciens</i> NCIMB 400. <i>Microbiology</i> (United Kingdom), 1998, 144, 937-945.	1.8	51
2616	Asparagine-linked Glycosylation of the Rat Leukemia Inhibitory Factor Expressed by Simian COS7 Cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 1998, 62, 1318-1325.	1.3	6
2617	Role of the <i>Agrobacterium tumefaciens</i> VirD2 Protein in T-DNA Transfer and Integration. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 668-683.	2.6	107
2618	Transforming Growth Factor- $\beta$ Stimulates Interleukin-11 Transcription via Complex Activating Protein-1-dependent Pathways. <i>Journal of Biological Chemistry</i> , 1998, 273, 5506-5513.	3.4	70
2619	Crystal Structures of Reaction Intermediates of 2-Haloacid Dehalogenase and Implications for the Reaction Mechanism. <i>Journal of Biological Chemistry</i> , 1998, 273, 15035-15044.	3.4	98
2620	Interdomain binding of NADPH in p-Hydroxybenzoate Hydroxylase as Suggested by Kinetic, Crystallographic and Modeling Studies of Histidine 162 and Arginine 269 Variants. <i>Journal of Biological Chemistry</i> , 1998, 273, 21031-21039.	3.4	49
2621	Characterization of a Human $\alpha$ 1-Antitrypsin Variant That Is as Stable as Ovalbumin. <i>Journal of Biological Chemistry</i> , 1998, 273, 2509-2516.	3.4	34
2622	Negative control of replication initiation by a novel chromosomal locus exhibiting exceptional affinity for <i>Escherichia coli</i> DnaA protein. <i>Genes and Development</i> , 1998, 12, 3032-3043.	5.9	162
2623	Separate Signals for Agonist-independent and Agonist-triggered Trafficking of Protease-activated Receptor 1. <i>Journal of Biological Chemistry</i> , 1998, 273, 29009-29014.	3.4	45
2624	Interaction of Kar2p and Sls1p Is Required for Efficient Co-translational Translocation of Secreted Proteins in the Yeast <i>Yarrowia lipolytica</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 30903-30908.	3.4	61
2625	Mlc1p Is a Light Chain for the Unconventional Myosin Myo2p in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 1998, 142, 711-722.	5.2	104
2626	Circadian-Regulated Transcription of the psbD Light-Responsive Promoter in Wheat Chloroplasts. <i>Plant Physiology</i> , 1998, 118, 1079-1088.	4.8	66
2627	Tlg2p, a Yeast Syntaxin Homolog That Resides on the Golgi and Endocytic Structures. <i>Journal of Biological Chemistry</i> , 1998, 273, 11719-11727.	3.4	103
2628	DsrA RNA regulates translation of RpoS message by an anti-antisense mechanism, independent of its action as an antisilencer of transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 12462-12467.	7.1	496
2629	Intestinal Expression of the Calbindin-D9K Gene in Transgenic Mice. <i>Journal of Biological Chemistry</i> , 1998, 273, 31939-31946.	3.4	61
2630	Altering the Nucleophile Specificity of a Protein-tyrosine Phosphatase-catalyzed Reaction. <i>Journal of Biological Chemistry</i> , 1998, 273, 5484-5492.	3.4	52
2631	sst2 Somatostatin Receptor Mediates Negative Regulation of Insulin Receptor Signaling through the Tyrosine Phosphatase SHP-1. <i>Journal of Biological Chemistry</i> , 1998, 273, 7099-7106.	3.4	99
2632	The Immunoglobulin-like Module of gp130 Is Required for Signaling by Interleukin-6, but Not by Leukemia Inhibitory Factor. <i>Journal of Biological Chemistry</i> , 1998, 273, 22701-22707.	3.4	66

#	ARTICLE	IF	CITATIONS
2633	Catabolite Inactivation of Wild-type and Mutant Maltose Transport Proteins in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 15352-15357.	3.4	31
2634	The Base Substitution and Frameshift Fidelity of <i>Escherichia coli</i> DNA Polymerase III Holoenzyme in Vitro. <i>Journal of Biological Chemistry</i> , 1998, 273, 23575-23584.	3.4	60
2635	Roles of the Periplasmic Domain of <i>Escherichia coli</i> FtsH (HflB) in Protein Interactions and Activity Modulation. <i>Journal of Biological Chemistry</i> , 1998, 273, 22326-22333.	3.4	44
2636	Mutational Analysis of the Switch II Loop of Dictyostelium Myosin II. <i>Journal of Biological Chemistry</i> , 1998, 273, 20334-20340.	3.4	83
2637	Specific Single or Double Proline Substitutions in the "Spring-loaded" Coiled-Coil Region of the Influenza Hemagglutinin Impair or Abolish Membrane Fusion Activity. <i>Journal of Cell Biology</i> , 1998, 141, 1335-1347.	5.2	87
2638	Identification of Highly Conserved Amino-terminal Segments of dTAFII230 and yTAFII145 That Are Functionally Interchangeable for Inhibiting TBP-DNA Interactions in Vitro and in Promoting Yeast Cell Growth in Vivo. <i>Journal of Biological Chemistry</i> , 1998, 273, 32254-32264.	3.4	55
2639	Genetically Engineered Zinc-chelating Adenylate Kinase from <i>Escherichia coli</i> with Enhanced Thermal Stability. <i>Journal of Biological Chemistry</i> , 1998, 273, 19097-19101.	3.4	31
2640	Fidelity and Mutational Specificity of Uracil-initiated Base Excision DNA Repair Synthesis in Human Glioblastoma Cell Extracts. <i>Journal of Biological Chemistry</i> , 1998, 273, 24822-24831.	3.4	34
2641	The Pattern of Disulfide Linkages in the Extracellular Loop Regions of Connexin 32 Suggests a Model for the Docking Interface of Gap Junctions. <i>Journal of Cell Biology</i> , 1998, 140, 1187-1197.	5.2	188
2642	Localization and Characterization of Two Nucleotide-binding Sites on the Anaerobic Ribonucleotide Reductase from Bacteriophage T4. <i>Journal of Biological Chemistry</i> , 1998, 273, 24853-24860.	3.4	13
2643	Hyperactivity of Human DNase I Variants. <i>Journal of Biological Chemistry</i> , 1998, 273, 11701-11708.	3.4	37
2644	Oligomeric Structure of Type I and Type II Transforming Growth Factor $\beta$ Receptors: Homodimers Form in the ER and Persist at the Plasma Membrane. <i>Journal of Cell Biology</i> , 1998, 140, 767-777.	5.2	134
2645	Introduction of a Tryptophan Reporter Group into the ATP Binding Motif of the <i>Escherichia coli</i> UvrB Protein for the Study of Nucleotide Binding and Conformational Dynamics. <i>Journal of Biological Chemistry</i> , 1998, 273, 7818-7827.	3.4	9
2646	Functional Analysis of Amino Acid Residues Constituting the dNTP Binding Pocket of HIV-1 Reverse Transcriptase. <i>Journal of Biological Chemistry</i> , 1998, 273, 33624-33634.	3.4	74
2647	The <i>Saccharomyces cerevisiae</i> Prenylcysteine Carboxyl Methyltransferase Ste14p Is in the Endoplasmic Reticulum Membrane. <i>Molecular Biology of the Cell</i> , 1998, 9, 2231-2247.	2.1	105
2648	A Functional GTPase Domain, but not its Transmembrane Domain, is Required for Function of the SRP Receptor $\beta$ -subunit. <i>Journal of Cell Biology</i> , 1998, 142, 341-354.	5.2	57
2649	A Novel Molecular Determinant for cAMP-dependent Regulation of the Frog Heart Na <sup>+</sup> -Ca <sup>2+</sup> -Exchanger. <i>Journal of Biological Chemistry</i> , 1998, 273, 18819-18825.	3.4	23
2650	Protein Kinase C $\delta$ Activity Inversely Modulates Invasion and Growth of Intestinal Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 15091-15098.	3.4	47

#	ARTICLE	IF	CITATIONS
2651	Mutational Analysis of the Function of Met137 and Ile197, Two Amino Acids Implicated in Sequence-Specific DNA Recognition by the EcoRI Endonuclease. <i>Biological Chemistry</i> , 1998, 379, 459-466.	2.5	10
2652	Reaction Mechanism of Fluoroacetate Dehalogenase from <i>Moraxella</i> sp. B. <i>Journal of Biological Chemistry</i> , 1998, 273, 30897-30902.	3.4	70
2653	d-Ribulose-5-Phosphate 3-Epimerase: Cloning and Heterologous Expression of the Spinach Gene, and Purification and Characterization of the Recombinant Enzyme1. <i>Plant Physiology</i> , 1998, 118, 199-207.	4.8	18
2654	Retrograde Traffic Out of the Yeast Vacuole to the TGN Occurs via the Prevacuolar/Endosomal Compartment. <i>Journal of Cell Biology</i> , 1998, 142, 651-663.	5.2	111
2655	Evolution of an <i>Escherichia coli</i> Protein with Increased Resistance to Oxidative Stress. <i>Journal of Biological Chemistry</i> , 1998, 273, 8308-8316.	3.4	18
2656	Two Functional States of the CD11b A-Domain: Correlations with Key Features of Two Mn2+-complexed Crystal Structures. <i>Journal of Cell Biology</i> , 1998, 143, 1523-1534.	5.2	129
2657	A novel mechanism for the acquisition of virulence by a human influenza A virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10224-10228.	7.1	226
2658	Characterization of Two Polyubiquitin Binding Sites in the 26 S Protease Subunit 5a. <i>Journal of Biological Chemistry</i> , 1998, 273, 5461-5467.	3.4	281
2659	Proteasome Activation by REG Molecules Lacking Homolog-specific Inserts. <i>Journal of Biological Chemistry</i> , 1998, 273, 9501-9509.	3.4	30
2660	Expression and Characterization of the Catalytic Core of Tryptophan Hydroxylase. <i>Journal of Biological Chemistry</i> , 1998, 273, 12259-12266.	3.4	62
2661	Caspase-mediated Cleavage of the Ubiquitin-protein Ligase Nedd4 during Apoptosis. <i>Journal of Biological Chemistry</i> , 1998, 273, 13524-13530.	3.4	65
2662	Mutations at the Domain Interface of Gs1± Impair Receptor-mediated Activation by Altering Receptor and Guanine Nucleotide Binding. <i>Journal of Biological Chemistry</i> , 1998, 273, 15053-15060.	3.4	50
2663	Structural and Functional Characterization of <i>Streptomyces plicatus</i> Î²-N-Acetylhexosaminidase by Comparative Molecular Modeling and Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 1998, 273, 19618-19624.	3.4	72
2664	Analysis of the Role of TFIIIE in Transcriptional Regulation through Structure-Function Studies of the TFIIIEÎ² Subunit. <i>Journal of Biological Chemistry</i> , 1998, 273, 19866-19876.	3.4	49
2665	Stabilization of p53 by Adenovirus E1A Occurs through Its Amino-terminal Region by Modification of the Ubiquitin-Proteasome Pathway. <i>Journal of Biological Chemistry</i> , 1998, 273, 20036-20045.	3.4	32
2666	Activation of Mitogen-activated Protein Kinases by Formyl Peptide Receptors Is Regulated by the Cytoplasmic Tail. <i>Journal of Biological Chemistry</i> , 1998, 273, 20916-20923.	3.4	14
2667	AKAP79 Inhibits Calcineurin through a Site Distinct from the Immunophilin-binding Region. <i>Journal of Biological Chemistry</i> , 1998, 273, 27412-27419.	3.4	74
2668	The Second Stalk Composed of the b- and Î±-subunits Connects F0 to F1 via an Î±-Subunit in the <i>Escherichia coli</i> ATP Synthase. <i>Journal of Biological Chemistry</i> , 1998, 273, 29406-29410.	3.4	71

#	ARTICLE	IF	CITATIONS
2669	The Role of the <i>Schizosaccharomyces pombe</i> gar2 Protein in Nucleolar Structure and Function Depends on the Concerted Action of its Highly Charged N Terminus and its RNA-binding Domains. Molecular Biology of the Cell, 1998, 9, 2011-2023.	2.1	24
2670	CUS2, a Yeast Homolog of Human Tat-SF1, Rescues Function of Misfolded U2 through an Unusual RNA Recognition Motif. Molecular and Cellular Biology, 1998, 18, 5000-5009.	2.3	75
2671	Regulation of the p85/p110 Phosphatidylinositol 3-kinase: Stabilization and Inhibition of the p110 Catalytic Subunit by the p85 Regulatory Subunit. Molecular and Cellular Biology, 1998, 18, 1379-1387.	2.3	452
2672	Recognition of DNA structure by 434 repressor. Nucleic Acids Research, 1998, 26, 669-675.	14.5	35
2673	[7] Comparison of in Vitro and in Vivo mutants of PsaC in photosystem I: Protocols for mutagenesis and techniques for analysis. Methods in Enzymology, 1998, 297, 95-123.	1.0	4
2674	Ribonuclease A variants with potent cytotoxic activity. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 10407-10412.	7.1	216
2675	Identification of a transient excision intermediate at the crossroads between DNA polymerase extension and proofreading pathways. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 3507-3512.	7.1	49
2676	Two Alternatively Spliced Transcripts from the Drosophila period Gene Rescue Rhythms Having Different Molecular and Behavioral Characteristics. Molecular and Cellular Biology, 1998, 18, 6505-6514.	2.3	56
2677	An immune cell-selective interleukin 4 agonist. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9454-9458.	7.1	44
2678	Quantitative assessment of enzyme specificity in vivo: P2 recognition by Kex2 protease defined in a genetic system. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 10384-10389.	7.1	53
2679	Suppression of adenovirus E1A-induced apoptosis by mutated p53 is overcome by coexpression with Id proteins. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 10590-10595.	7.1	24
2680	Molecular determinant of ion selectivity of a (Na <sup>+</sup> + K <sup>+</sup> )-coupled rat brain glutamate transporter. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 751-755.	7.1	101
2681	Transmembrane heme delivery systems. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 5003-5008.	7.1	100
2682	Functional transitions in myosin: Formation of a critical salt-bridge and transmission of effect to the sensitive tryptophan. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 6653-6658.	7.1	51
2683	Expression of Constitutively Active I $\kappa$ B $\beta$ in T Cells of Transgenic Mice: Persistent NF- $\kappa$ B Activity Is Required for T-Cell Immune Responses. Molecular and Cellular Biology, 1998, 18, 477-487.	2.3	46
2684	Deadenylation-Dependent and -Independent Decay Pathways for $\beta$ -Tubulin mRNA in Chlamydomonas reinhardtii. Molecular and Cellular Biology, 1998, 18, 1498-1505.	2.3	24
2685	myc Boxes, Which Are Conserved in myc Family Proteins, Are Signals for Protein Degradation via the Proteasome. Molecular and Cellular Biology, 1998, 18, 5961-5969.	2.3	117
2686	The Yeast TAF145 Inhibitory Domain and TFIIA Competitively Bind to TATA-Binding Protein. Molecular and Cellular Biology, 1998, 18, 1003-1012.	2.3	119



#	ARTICLE	IF	CITATIONS
2687	Interaction between Subunits of Heterodimeric Splicing Factor U2AF Is Essential In Vivo. <i>Molecular and Cellular Biology</i> , 1998, 18, 1765-1773.	2.3	52
2688	Cloning and characterization of a gene from <i>Escherichia coli</i> encoding a transketolase-like enzyme that catalyzes the synthesis of D-1-deoxyxylulose 5-phosphate, a common precursor for isoprenoid, thiamin, and pyridoxol biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 2105-2110.	7.1	362
2689	Identification of Redox-sensitive Cysteines in GA-binding Protein- $\hat{1}$ That Regulate DNA Binding and Heterodimerization. <i>Journal of Biological Chemistry</i> , 1998, 273, 6203-6209.	3.4	37
2690	A method for directed evolution and functional cloning of enzymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10523-10528.	7.1	133
2691	The transmembrane domain in viral fusion: Essential role for a conserved glycine residue in vesicular stomatitis virus G protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 3425-3430.	7.1	148
2692	Differential Requirements for Alternative Splicing and Nuclear Export Functions of Equine Infectious Anemia Virus Rev Protein. <i>Molecular and Cellular Biology</i> , 1998, 18, 3889-3899.	2.3	42
2693	Serine-294 and threonine-295 in the exofacial loop domain between helices 7 and 8 of glucose transporters (GLUT) are involved in the conformational alterations during the transport process. <i>Biochemical Journal</i> , 1998, 329, 289-293.	3.7	40
2694	A conserved tryptophan in pneumolysin is a determinant of the characteristics of channels formed by pneumolysin in cells and planar lipid bilayers. <i>Biochemical Journal</i> , 1998, 329, 571-577.	3.7	84
2695	Role of residues 104, 164, 166, 238 and 240 in the substrate profile of PER-1 $\hat{1}$ -lactamase hydrolysing third-generation cephalosporins. <i>Biochemical Journal</i> , 1998, 330, 1443-1449.	3.7	34
2696	Determinants of the substrate specificity of human cytochrome P-450 CYP2D6: design and construction of a mutant with testosterone hydroxylase activity. <i>Biochemical Journal</i> , 1998, 331, 783-792.	3.7	67
2697	Characterization of authentic recombinant pea-seed lipoxygenases with distinct properties and reaction mechanisms. <i>Biochemical Journal</i> , 1998, 333, 33-43.	3.7	49
2698	Evidence that the conformation of unliganded human plasminogen is maintained via an intramolecular interaction between the lysine-binding site of kringle 5 and the N-terminal peptide. <i>Biochemical Journal</i> , 1998, 333, 99-105.	3.7	75
2699	Inducible expression of the $\hat{1}$ -glutamylcysteine synthetase light subunit by t-butylhydroquinone in HepG2 cells is not dependent on an antioxidant- responsive element. <i>Biochemical Journal</i> , 1998, 336, 535-539.	3.7	41
2700	Mutational analysis of trans-membrane helices M3, M4, M5 and M7 of the fast-twitch Ca <sup>2+</sup> -ATPase. <i>Biochemical Journal</i> , 1998, 335, 131-138.	3.7	8
2701	Evaluation of the Role of N-linked Oligosaccharides in Rat Placental Lactogen Action by Site-Directed Mutagenesis.. <i>Endocrine Journal</i> , 1998, 45, 659-674.	1.6	7
2702	AvrXa10 Contains an Acidic Transcriptional Activation Domain in the Functionally Conserved C Terminus. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 824-832.	2.6	165
2703	Potyvirus Genome-Linked Protein (VPg) Determines Pea Seed-Borne Mosaic Virus Pathotype-Specific Virulence in <i>Pisum sativum</i> . <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 124-130.	2.6	106
2704	Acetylation at Lys-92 enhances signaling by the chemotaxis response regulator protein CheY. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 4918-4923.	7.1	61

#	ARTICLE	IF	CITATIONS
2705	The role of transmembrane domain 2 in cation transport by the Na-K-Cl cotransporter. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 7179-7184.	7.1	76
2706	Molecular remedy of complex I defects: Rotenone-insensitive internal NADH-quinone oxidoreductase of <i>Saccharomyces cerevisiae</i> mitochondria restores the NADH oxidase activity of complex I-deficient mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9167-9171.	7.1	167
2707	Circular mRNA can direct translation of extremely long repeating-sequence proteins in vivo. <i>Rna</i> , 1998, 4, 1047-1054.	3.5	119
2708	Neomycin B inhibits splicing of the td intron indirectly by interfering with translation and enhances missplicing in vivo. <i>Rna</i> , 1998, 4, 1653-1663.	3.5	24
2709	Cysteine Scanning of the Surroundings of an Alkali-Ion Binding Site of the Glutamate Transporter GLT-1 Reveals a Conformationally Sensitive Residue*. <i>Journal of Biological Chemistry</i> , 1998, 273, 14231-14237.	3.4	74
2710	Identification of an activation region in the proteasome activator REG $\alpha$ . Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 2807-2811.	7.1	86
2711	Phenotypic Study of Resistance of $\beta$ -Lactamase-Inhibitor-Resistant TEM Enzymes Which Differ by Naturally Occurring Variations and by Site-Directed Substitution at Asp <sup>276</sup> . <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 1323-1328.	3.2	16
2712	The CreA Repressor Is the Sole DNA-binding Protein Responsible for Carbon Catabolite Repression of the <i>alcA</i> Gene in <i>Aspergillus nidulans</i> via Its Binding to a Couple of Specific Sites. <i>Journal of Biological Chemistry</i> , 1998, 273, 6367-6372.	3.4	69
2713	Characterization of a Murine Cytomegalovirus Class I Major Histocompatibility Complex (MHC) Homolog: Comparison to MHC Molecules and to the Human Cytomegalovirus MHC Homolog. <i>Journal of Virology</i> , 1998, 72, 460-466.	3.4	65
2714	Genetically Engineered <i>Saccharomyces</i> Yeast Capable of Effective Cofermentation of Glucose and Xylose. <i>Applied and Environmental Microbiology</i> , 1998, 64, 1852-1859.	3.1	501
2715	Cytochrome P450 1B1 mRNA measured in blood mononuclear cells by quantitative reverse transcription-PCR. <i>Clinical Chemistry</i> , 1998, 44, 2416-2421.	3.2	27
2716	The AML1/ETO(MTG8) and AML1/Evi-1 Leukemia-Associated Chimeric Oncoproteins Accumulate PEBP2 $\beta$ (CBF $\beta$ ) in the Nucleus More Efficiently Than Wild-Type AML1. <i>Blood</i> , 1998, 91, 1688-1699.	1.4	47
2717	Infectious Clones and Vectors Derived from Adeno-Associated Virus (AAV) Serotypes Other Than AAV Type 2. <i>Journal of Virology</i> , 1998, 72, 309-319.	3.4	437
2718	Destabilizing effect of an rRNA stem-loop on an attenuator hairpin in the 5' exon of the <i>Tetrahymena</i> pre-rRNA. <i>Rna</i> , 1998, 4, 901-914.	3.5	30
2719	Characterization of a PSE-4 Mutant with Different Properties in Relation to Penicillanic Acid Sulfones: Importance of Residues 216 to 218 in Class A $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 2319-2325.	3.2	9
2720	A yeast model for the study of Batten disease. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 6915-6918.	7.1	82
2721	A237T as a Modulating Mutation in Naturally Occurring Extended-Spectrum TEM-Type $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 1042-1044.	3.2	33
2722	Transcriptional Regulation of Cellular Retinaldehyde-binding Protein in the Retinal Pigment Epithelium. <i>Journal of Biological Chemistry</i> , 1998, 273, 5591-5598.	3.4	27

#	ARTICLE	IF	CITATIONS
2723	Binding of the 60-kDa Ro autoantigen to Y RNAs: Evidence for recognition in the major groove of a conserved helix. <i>Rna</i> , 1998, 4, 750-765.	3.5	65
2724	A 310-bp minimal promoter mediates smooth muscle cell-specific expression of telokin. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 274, C1188-C1195.	4.6	41
2725	Molecular basis of recognition by Gal/GalNAc specific legume lectins: Influence of Glu 129 on the specificity of peanut agglutinin (PNA) towards C2-substituents of galactose. <i>Glycobiology</i> , 1998, 8, 1007-1012.	2.5	48
2726	Transmembrane Domain I Contributes to the Permeation Pathway for Serotonin and Ions in the Serotonin Transporter. <i>Journal of Neuroscience</i> , 1999, 19, 4705-4717.	3.6	168
2727	Construction and Characterization of Mutants of the TEM-1 $\beta$ -Lactamase Containing Amino Acid Substitutions Associated with both Extended-Spectrum Resistance and Resistance to $\beta$ -Lactamase Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 1881-1887.	3.2	28
2728	Structure-Function Studies of Ser-289 in the Class C $\beta$ -Lactamase from <i>Enterobacter cloacae</i> P99. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 543-548.	3.2	20
2729	A nested double pseudoknot is required for self-cleavage activity of both the genomic and antigenomic hepatitis delta virus ribozymes. <i>Rna</i> , 1999, 5, 720-727.	3.5	85
2730	Regulation of Closterovirus Gene Expression Examined by Insertion of a Self-Processing Reporter and by Northern Hybridization. <i>Journal of Virology</i> , 1999, 73, 7988-7993.	3.4	42
2731	Generation of Bovine Respiratory Syncytial Virus (BRSV) from cDNA: BRSV NS2 Is Not Essential for Virus Replication in Tissue Culture, and the Human RSV Leader Region Acts as a Functional BRSV Genome Promoter. <i>Journal of Virology</i> , 1999, 73, 251-259.	3.4	888
2732	Human Immunodeficiency Virus Types 1 and 2 Differ in the Predominant Mechanism Used for Selection of Genomic RNA for Encapsidation. <i>Journal of Virology</i> , 1999, 73, 3023-3031.	3.4	94
2733	A Regulatory Domain (R1-R2) in the Amino Terminus of the N-Methyl-D-Aspartate Receptor: Effects of Spermine, Protons, and Ifenprodil, and Structural Similarity to Bacterial Leucine/Isoleucine/Valine Binding Protein. <i>Molecular Pharmacology</i> , 1999, 55, 957-969.	2.3	144
2734	Mutations Abrogating the RNase Activity in Glycoprotein E <sup>ns</sup> of the Pestivirus Classical Swine Fever Virus Lead to Virus Attenuation. <i>Journal of Virology</i> , 1999, 73, 10224-10235.	3.4	129
2735	Characterization of CELO Virus Proteins That Modulate the pRb/E2F Pathway. <i>Journal of Virology</i> , 1999, 73, 6517-6525.	3.4	31
2736	Phosphorylation and/or Presence of Serine 37 in the Movement Protein of Tomato Mosaic Tobamovirus Is Essential for Intracellular Localization and Stability In Vivo. <i>Journal of Virology</i> , 1999, 73, 6831-6840.	3.4	85
2737	Inhibition of Human Immunodeficiency Virus Type 1 Infectivity by the gp41 Core: Role of a Conserved Hydrophobic Cavity in Membrane Fusion. <i>Journal of Virology</i> , 1999, 73, 8578-8586.	3.4	80
2738	Interaction with the p6 Domain of the Gag Precursor Mediates Incorporation into Virions of Vpr and Vpx Proteins from Primate Lentiviruses. <i>Journal of Virology</i> , 1999, 73, 592-600.	3.4	119
2739	FlbT Couples Flagellum Assembly to Gene Expression in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 1999, 181, 6160-6170.	2.2	52
2740	Ssy1p and Ptr3p Are Plasma Membrane Components of a Yeast System That Senses Extracellular Amino Acids. <i>Molecular and Cellular Biology</i> , 1999, 19, 5405-5416.	2.3	186

#	ARTICLE	IF	CITATIONS
2741	Characterization of the interaction of a TCR $\beta$ chain variable domain with MHC II I-A molecules. <i>International Immunology</i> , 1999, 11, 967-977.	4.0	4
2742	Context of the coat protein DAG motif affects potyvirus transmissibility by aphids. <i>Journal of General Virology</i> , 1999, 80, 3281-3288.	2.9	137
2743	dl-2-Haloacid Dehalogenase from <i>Pseudomonas</i> sp. 113 Is a New Class of Dehalogenase Catalyzing Hydrolytic Dehalogenation Not Involving Enzyme-Substrate Ester Intermediate. <i>Journal of Biological Chemistry</i> , 1999, 274, 20977-20981.	3.4	53
2744	Influence of a Species-Specific Extracellular Amino Acid on Expression and Function of the Human Gonadotropin-Releasing Hormone Receptor. <i>Molecular Endocrinology</i> , 1999, 13, 890-896.	3.7	57
2745	Synthesis, cloning and expression of the single-chain Fv gene of the HPr-specific monoclonal antibody, Jel42. Determination of binding constants with wild-type and mutant HPrs. <i>Protein Engineering, Design and Selection</i> , 1999, 12, 623-630.	2.1	12
2746	Identification of cis-Acting Elements Important for Expression of the Starch-Branching Enzyme I Gene in Maize Endosperm. <i>Plant Physiology</i> , 1999, 121, 225-236.	4.8	47
2747	Shr3p Mediates Specific COPII Coatomeerâ€‘Cargo Interactions Required for the Packaging of Amino Acid Permeases Into ER-derived Transport Vesicles. <i>Molecular Biology of the Cell</i> , 1999, 10, 3549-3565.	2.1	59
2748	Increasing the thermostability of d-xylose isomerase by introduction of a proline into the turn of a random coil. <i>Protein Engineering, Design and Selection</i> , 1999, 12, 635-638.	2.1	54
2749	Susceptibility of $\beta$ -lactamase to core amino acid substitutions. <i>Protein Engineering, Design and Selection</i> , 1999, 12, 761-769.	2.1	4
2750	Identification of Putative Sites of Interaction between the Human Formyl Peptide Receptor and G Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 27934-27942.	3.4	35
2751	Uncoupling of transfer of the presequence and unfolding of the mature domain in precursor translocation across the mitochondrial outer membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 3634-3639.	7.1	76
2752	The hierarchy of mutations influencing the folding of antibody domains in <i>Escherichia coli</i> . <i>Protein Engineering, Design and Selection</i> , 1999, 12, 605-611.	2.1	28
2753	Caspase Inhibition by Baculovirus P35 Requires Interaction between the Reactive Site Loop and the $\beta$ -Sheet Core. <i>Journal of Biological Chemistry</i> , 1999, 274, 25995-26002.	3.4	30
2754	Characterization of the Putative 2 $\text{Å}$ —[4Fe-4S]-binding NQO9 Subunit of the Proton-translocating NADH-Quinone Oxidoreductase (NDH-1) of <i>Paracoccus denitrificans</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 28598-28605.	3.4	41
2755	Enhancement of Heparin Cofactor II Anticoagulant Activity. <i>Journal of Biological Chemistry</i> , 1999, 274, 34556-34565.	3.4	28
2756	Two Distinct Isoforms of cDNA Encoding Rainbow Trout Androgen Receptors. <i>Journal of Biological Chemistry</i> , 1999, 274, 5674-5680.	3.4	109
2757	Truncation of the C Terminus of the Rat Brain Na <sup>+</sup> -Ca <sup>2+</sup> Exchanger RBE-1 (NCX1.4) Impairs Surface Expression of the Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 24873-24880.	3.4	20
2758	Molecular Requirements for T Cell Recognition by a Major Histocompatibility Complex Class IIâ€‘restricted T Cell Receptor: The Involvement of the Fourth Hypervariable Loop of the V $\beta$ Domain. <i>Journal of Experimental Medicine</i> , 1999, 189, 509-520.	8.5	10

#	ARTICLE	IF	CITATIONS
2759	Asymmetric Contributions to RNA Binding by the Thr45Residues of the MS2 Coat Protein Dimer. <i>Journal of Biological Chemistry</i> , 1999, 274, 25403-25410.	3.4	18
2760	A Multinuclear NMR Study of the Active Site of an Endoglucanase from a Strain of <i>Bacillus</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 19823-19828.	3.4	8
2761	A Modulatory Role for Clathrin Light Chain Phosphorylation in Golgi Membrane Protein Localization during Vegetative Growth and during the Mating Response of <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 1999, 10, 713-726.	2.1	14
2762	The Rho GTPase Rho3 Has a Direct Role in Exocytosis That Is Distinct from Its Role in Actin Polarity. <i>Molecular Biology of the Cell</i> , 1999, 10, 4121-4133.	2.1	192
2763	Rad18 Is Required for DNA Repair and Checkpoint Responses in Fission Yeast. <i>Molecular Biology of the Cell</i> , 1999, 10, 2905-2918.	2.1	129
2764	Site-directed mutagenesis of residues 164, 170, 171, 179, 220, 237 and 242 in PER-1 $\beta$ -lactamase hydrolysing expanded-spectrum cephalosporins. <i>Protein Engineering, Design and Selection</i> , 1999, 12, 313-318.	2.1	24
2765	A Discrete Three-amino Acid Segment (LVI) at the C-terminal End of Kinase-impaired ErbB3 Is Required for Transactivation of ErbB2. <i>Journal of Biological Chemistry</i> , 1999, 274, 859-866.	3.4	30
2766	The IIA <sup>Ntr</sup> (Pts <sup>N</sup> ) Protein of <i>Pseudomonas putida</i> Mediates the C Source Inhibition of the $\lambda$ 54-dependent Pu Promoter of the TOL Plasmid. <i>Journal of Biological Chemistry</i> , 1999, 274, 15562-15568.	3.4	99
2767	Control of the Cell Morphology and the S Phase Entry by Mitogen-activated Protein Kinase Kinase. <i>Journal of Biological Chemistry</i> , 1999, 274, 11874-11880.	3.4	29
2768	Mutational Analysis of the Binding Site Residues of the Bovine Cation-dependent Mannose 6-Phosphate Receptor. <i>Journal of Biological Chemistry</i> , 1999, 274, 36905-36911.	3.4	28
2769	The C Terminus of AvrXa10 Can Be Replaced by the Transcriptional Activation Domain of VP16 from the Herpes Simplex Virus. <i>Plant Cell</i> , 1999, 11, 1665-1674.	6.6	80
2770	Identification of a novel Sry-related gene and its germ cell-specific expression. <i>Nucleic Acids Research</i> , 1999, 27, 2503-2510.	14.5	77
2771	Regulation of Metallothionein Gene Transcription. <i>Journal of Biological Chemistry</i> , 1999, 274, 29655-29665.	3.4	89
2772	Mutants That Alter the Covalent Structure of Catalase Hydroperoxidase II from <i>Escherichia coli</i> xs. <i>Journal of Biological Chemistry</i> , 1999, 274, 27717-27725.	3.4	30
2773	Identification of Amino Acid Residues Critical for Aggregation of Human CC Chemokines Macrophage Inflammatory Protein (MIP)-1 $\alpha$ , MIP-1 $\beta$ , and RANTES. <i>Journal of Biological Chemistry</i> , 1999, 274, 16077-16084.	3.4	142
2774	U1 snRNA is cleaved by RNase III and processed through an Sm site-dependent pathway. <i>Nucleic Acids Research</i> , 1999, 27, 587-595.	14.5	71
2775	Homo-Dimeric Spherulin 3a: A Single-Domain Member of the bg-Crystallin Superfamily. <i>Biological Chemistry</i> , 1999, 380, 89-94.	2.5	22
2776	Elastase substrate specificity tailored through substrate-assisted catalysis and phage display. <i>Protein Engineering, Design and Selection</i> , 1999, 12, 981-987.	2.1	18

#	ARTICLE	IF	CITATIONS
2777	Identification of the Folate Binding Sites on the Escherichia coli T-protein of the Glycine Cleavage System. Journal of Biological Chemistry, 1999, 274, 17471-17477.	3.4	10
2778	Two distinct mechanisms drive protein translocation across the mitochondrial outer membrane in the late step of the cytochrome b2 import pathway. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 11770-11775.	7.1	45
2779	Regulated Phosphorylation of the Gal4p Inhibitor Gal80p of <i>Kluyveromyces lactis</i> Revealed by Mutational Analysis. Biological Chemistry, 1999, 380, 419-30.	2.5	15
2780	Distinct Domains within Vps35p Mediate the Retrieval of Two Different Cargo Proteins from the Yeast Prevacuolar/Endosomal Compartment. Molecular Biology of the Cell, 1999, 10, 875-890.	2.1	114
2781	A Genomic Cluster Containing Four Differentially Regulated Subtilisin-like Processing Protease Genes Is in Tomato Plants. Journal of Biological Chemistry, 1999, 274, 2360-2365.	3.4	144
2782	Human Nucleoside Diphosphate Kinase B (Nm23-H2) from Melanoma Cells Shows Altered Phosphoryl Transfer Activity Due to the S122P Mutation. Journal of Biological Chemistry, 1999, 274, 20159-20164.	3.4	16
2783	Mutational and pH Studies of the 3' 5' Exonuclease Activity of Bacteriophage T4 DNA Polymerase. Journal of Biological Chemistry, 1999, 274, 25151-25158.	3.4	26
2784	Use of a Peptide Mimotope to Guide the Humanization of MRK-16, an Anti-P-glycoprotein Monoclonal Antibody. Journal of Biological Chemistry, 1999, 274, 27371-27378.	3.4	6
2785	The $\mu$ Subunit of the F1F0 Complex of Escherichia coli. Journal of Biological Chemistry, 1999, 274, 28351-28355.	3.4	37
2786	Determinants of Ligand Binding Specificity of the $\alpha 1 \beta 1$ and $\alpha 2 \beta 1$ Integrins. Journal of Biological Chemistry, 1999, 274, 32182-32191.	3.4	86
2787	Identification of the Tissue Inhibitor of Metalloproteinases-2 (TIMP-2) Binding Site on the Hemopexin Carboxyl Domain of Human Gelatinase A by Site-directed Mutagenesis. Journal of Biological Chemistry, 1999, 274, 4421-4429.	3.4	69
2788	Functional analysis of upstream regulating regions from the Yarrowia lipolytica XPR2 promoter. Microbiology (United Kingdom), 1999, 145, 75-87.	1.8	74
2789	Distinct Calcium-dependent Pathways of Epidermal Growth Factor Receptor Transactivation and PYK2 Tyrosine Phosphorylation in PC12 Cells. Journal of Biological Chemistry, 1999, 274, 20989-20996.	3.4	100
2790	Improved Immunogenicity of HIV-1 Epitopes in HBsAg Chimeric DNA Vaccine Plasmids by Structural Mutations of HBsAg. DNA and Cell Biology, 1999, 18, 219-225.	1.9	21
2791	Purification and Characterization of Serine Acetyltransferase from Escherichia coli Partially Truncated at the C-Terminal Region. Bioscience, Biotechnology and Biochemistry, 1999, 63, 168-179.	1.3	57
2792	Phosphorylation and Free Pool of $\beta$ -Catenin Are Regulated by Tyrosine Kinases and Tyrosine Phosphatases during Epithelial Cell Migration. Journal of Biological Chemistry, 1999, 274, 10173-10183.	3.4	259
2793	Exposure of cryptic epitopes on transthyretin only in amyloid and in amyloidogenic mutants. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 3108-3113.	7.1	65
2794	On the Maximum Size of Proteins to Stay and Fold in the Cavity of GroEL underneath GroES. Journal of Biological Chemistry, 1999, 274, 21251-21256.	3.4	105



#	ARTICLE	IF	CITATIONS
2795	The Reactivity of the $\hat{I}^3$ -Aminobutyric Acid Transporter GAT-1 toward Sulfhydryl Reagents Is Conformationally Sensitive. <i>Journal of Biological Chemistry</i> , 1999, 274, 23020-23026.	3.4	45
2796	Nitric Oxide Modulates $\hat{I}^2$ -Adrenergic Receptor Palmitoylation and Signaling. <i>Journal of Biological Chemistry</i> , 1999, 274, 26337-26343.	3.4	86
2797	Expression and Function of the Gonadotropin-releasing Hormone Receptor Are Dependent on a Conserved Apolar Amino Acid in the Third Intracellular Loop. <i>Journal of Biological Chemistry</i> , 1999, 274, 35756-35762.	3.4	16
2798	The $\hat{I}^3\hat{I}^{\mu}$ -c Subunit Interface in the ATP Synthase of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 34233-34237.	3.4	38
2799	A Potential Role for Elf-1 in CD4 Promoter Function. <i>Journal of Biological Chemistry</i> , 1999, 274, 16126-16134.	3.4	28
2800	Two serine residues of the glutamate transporter GLT-1 are crucial for coupling the fluxes of sodium and the neurotransmitter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 1710-1715.	7.1	82
2801	Conversion of an Engineered Potassium-binding Site into a Calcium-selective Site in Cytochrome c Peroxidase. <i>Journal of Biological Chemistry</i> , 1999, 274, 37827-37833.	3.4	31
2802	Valine 571 Functions as a Regional Organizer in Programming the Glucocorticoid Receptor for Differential Binding of Glucocorticoids and Mineralocorticoids. <i>Journal of Biological Chemistry</i> , 1999, 274, 18515-18523.	3.4	21
2803	The ADP-ribosylation Factor (ARF)-related GTPase ARF-related Protein Binds to the ARF-specific Guanine Nucleotide Exchange Factor Cytohesin and Inhibits the ARF-dependent Activation of Phospholipase D. <i>Journal of Biological Chemistry</i> , 1999, 274, 9744-9751.	3.4	41
2804	Interaction of Granulocyte Colony-stimulating Factor (G-CSF) with Its Receptor. <i>Journal of Biological Chemistry</i> , 1999, 274, 17445-17451.	3.4	36
2805	The Kinesin-like Motor Protein KIF1C Occurs in Intact Cells as a Dimer and Associates with Proteins of the 14-3-3 Family. <i>Journal of Biological Chemistry</i> , 1999, 274, 33654-33660.	3.4	76
2806	Regulated Splicing of an Alternative Exon of beta-Tropomyosin Pre-mRNAs in Myogenic Cells Depends on the Strength of Pyrimidine-Rich Intronic Enhancer Elements. <i>DNA and Cell Biology</i> , 1999, 18, 671-683.	1.9	11
2807	A conserved bulged adenosine in a peripheral duplex of the antigenomic HDV self-cleaving RNA reduces kinetic trapping of inactive conformations. <i>Nucleic Acids Research</i> , 1999, 27, 795-802.	14.5	27
2808	The Membrane Binding Domains of Prostaglandin Endoperoxide H Synthases 1 and 2. <i>Journal of Biological Chemistry</i> , 1999, 274, 32936-32942.	3.4	73
2809	HSP70 homolog functions in cell-to-cell movement of a plant virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 14771-14776.	7.1	161
2810	Design of highly specific cytotoxins by using trans-splicing ribozymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 3507-3512.	7.1	48
2811	The Fidelity of DNA Polymerase $\hat{I}^2$ during Distributive and Processive DNA Synthesis. <i>Journal of Biological Chemistry</i> , 1999, 274, 3642-3650.	3.4	125
2812	An <i>Escherichia coli</i> Mutant Quinol:Fumarate Reductase Contains an EPR-detectable Semiquinone Stabilized at the Proximal Quinone-binding Site. <i>Journal of Biological Chemistry</i> , 1999, 274, 26157-26164.	3.4	36

#	ARTICLE	IF	CITATIONS
2813	The Binding Sites of Inhibitory Monoclonal Antibodies on Acetylcholinesterase. <i>Journal of Biological Chemistry</i> , 1999, 274, 27740-27746.	3.4	18
2814	Analysis of the Role of Glutamine 190 in the Catalytic Mechanism of Murine Leukemia Virus Reverse Transcriptase. <i>Journal of Biological Chemistry</i> , 1999, 274, 20861-20868.	3.4	5
2815	All Three WW Domains of Murine Nedd4 Are Involved in the Regulation of Epithelial Sodium Channels by Intracellular Na <sup>+</sup> . <i>Journal of Biological Chemistry</i> , 1999, 274, 12525-12530.	3.4	114
2816	Aspzincin, a Family of Metalloendopeptidases with a New Zinc-binding Motif. <i>Journal of Biological Chemistry</i> , 1999, 274, 24195-24201.	3.4	36
2817	Interdomain Signaling in Glutamine Phosphoribosylpyrophosphate Amidotransferase. <i>Journal of Biological Chemistry</i> , 1999, 274, 36498-36504.	3.4	21
2818	Adipose Expression of the Phosphoenolpyruvate Carboxykinase Promoter Requires Peroxisome Proliferator-activated Receptor $\beta$ and 9-cis-Retinoic Acid Receptor Binding to an Adipocyte-specific Enhancer in Vivo. <i>Journal of Biological Chemistry</i> , 1999, 274, 13604-13612.	3.4	74
2819	Positioning proton-donating residues to the Schiff-base accelerates the M-decay of pharaonis phoborhodopsin expressed in <i>Escherichia coli</i> . <i>Biophysical Chemistry</i> , 1999, 79, 187-192.	2.8	38
2820	Ab initio solution and refinement of two high-potential iron protein structures at atomic resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1773-1784.	2.5	36
2821	Functional complementation of yeast <i>vacuolar H<sup>+</sup>-ATPase</i> cells by a plant subunit A homolog rescues the mutant phenotype and partially restores vacuolar H <sup>+</sup> -ATPase activity. <i>Plant Journal</i> , 1999, 17, 501-510.	5.7	11
2822	Hormonal regulation of a cysteine proteinase gene, EPB-1, in barley aleurone layers: cis- and trans-acting elements involved in the co-ordinated gene expression regulated by gibberellins and abscisic acid. <i>Plant Journal</i> , 1999, 19, 107-118.	5.7	118
2823	The amino-terminal region of the <i>Escherichia coli</i> T-protein of the glycine cleavage system is essential for proper association with H-protein. <i>FEBS Journal</i> , 1999, 264, 446-453.	0.2	16
2824	Mutational analysis of Ser14 and Asp157 in the nucleotide-binding site of beta-actin. <i>FEBS Journal</i> , 1999, 265, 210-220.	0.2	32
2825	Transposition of IS1 circles. <i>Genes To Cells</i> , 1999, 4, 551-561.	1.2	18
2826	Role of SycD, the chaperone of the <i>Yersinia</i> Yop translocators YopB and YopD. <i>Molecular Microbiology</i> , 1999, 31, 143-156.	2.5	141
2827	A downstream CA repeat sequence increases translation from leadered and unleadered mRNA in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1999, 31, 1025-1038.	2.5	67
2828	A single amino acid, outside the AlcR zinc binuclear cluster, is involved in DNA binding and in transcriptional regulation of the alc genes in <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , 1999, 31, 1115-1124.	2.5	25
2829	<i>Escherichia coli</i> nusG mutations that block transcription termination by coliphage HK022 Nun protein. <i>Molecular Microbiology</i> , 1999, 31, 1783-1793.	2.5	26
2830	The identification of three biologically relevant globotriaosyl ceramide receptor binding sites on the Verotoxin 1 B subunit. <i>Molecular Microbiology</i> , 1999, 32, 953-960.	2.5	68

#	ARTICLE	IF	CITATIONS
2831	Insertion of a Yop translocation pore into the macrophage plasma membrane by <i>Yersinia enterocolitica</i> : requirement for translocators YopB and YopD, but not LcrG. <i>Molecular Microbiology</i> , 1999, 33, 971-981.	2.5	203
2832	Activation of CheY mutant D57N by phosphorylation at an alternative site, Ser-56. <i>Molecular Microbiology</i> , 1999, 34, 915-925.	2.5	31
2833	Confirmation of the hierarchical folding of RNase H: a protein engineering study. <i>Nature Structural Biology</i> , 1999, 6, 825-831.	9.7	103
2834	Interaction of c-Abl and p73 $\Delta$ and their collaboration to induce apoptosis. <i>Nature</i> , 1999, 399, 809-813.	27.8	529
2835	Altered temperature induction sensitivity of the $\lambda$ pRc/CMV system for controlled gene expression in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 1999, 173, 347-352.	1.8	60
2836	An efficient gene replacement and deletion system for an extreme thermophile, <i>Thermus thermophilus</i> . <i>FEMS Microbiology Letters</i> , 1999, 173, 431-437.	1.8	41
2837	The role of a conserved histidine residue, His324, in <i>Trigonopsis variabilis</i> L-lysine 4-epimerase. <i>FEMS Microbiology Letters</i> , 1999, 176, 443-448.	1.8	2
2838	Mutations in the gene encoding 11-cis retinol dehydrogenase cause delayed dark adaptation and fundus albipunctatus. <i>Nature Genetics</i> , 1999, 22, 188-191.	21.4	255
2839	Role of the ATF $\alpha$ /JNK2 complex in Jun activation. <i>Oncogene</i> , 1999, 18, 3491-3500.	5.9	37
2840	A single amino acid confers barbiturate sensitivity upon the GABA $\text{A}$ receptor. <i>British Journal of Pharmacology</i> , 1999, 127, 601-604.	5.4	47
2841	Affinity purification of <i>Schistosoma japonicum</i> glutathione-S-transferase and its site-directed mutants with glutathione affinity chromatography and immobilized metal affinity chromatography. <i>Journal of Chromatography A</i> , 1999, 852, 151-159.	3.7	12
2842	Down-regulation of the INK4 Family of Cyclin-Dependent Kinase Inhibitors by Tax Protein of HTLV-1 through Two Distinct Mechanisms. <i>Virology</i> , 1999, 259, 384-391.	2.4	112
2843	Mutations in the C, D, and V Open Reading Frames of Human Parainfluenza Virus Type 3 Attenuate Replication in Rodents and Primates. <i>Virology</i> , 1999, 261, 319-330.	2.4	99
2844	Studies on Hybrid Comoviruses Reveal the Importance of Three-Dimensional Structure for Processing of the Viral Coat Proteins and Show That the Specificity of Cleavage Is Greater in trans Than in cis. <i>Virology</i> , 1999, 263, 184-194.	2.4	13
2845	The Cleavable Carboxyl-Terminus of the Small Coat Protein of Cowpea Mosaic Virus Is Involved in RNA Encapsidation. <i>Virology</i> , 1999, 255, 129-137.	2.4	32
2846	The interface between MyBP-C and myosin: site-directed mutagenesis of the CX myosin-binding domain of MyBP-C. <i>Journal of Muscle Research and Cell Motility</i> , 1999, 20, 703-716.	2.0	44
2847	Title is missing!. <i>Photosynthesis Research</i> , 1999, 62, 205-217.	2.9	4
2848	Ala99ser mutation in RI $\alpha$ regulatory subunit of protein kinase A causes reduced kinase activation by cAMP and arrest of hormone-dependent breast cancer cell growth. <i>Molecular and Cellular Biochemistry</i> , 1999, 195, 77-86.	3.1	17

#	ARTICLE	IF	CITATIONS
2849	A stable intermediate in the equilibrium unfolding of Escherichia coli citrate synthase. Protein Science, 1999, 8, 1116-1126.	7.6	18
2850	Amino acid substitutions at the subunit interface of dimeric escherichia coli alkaline phosphatase cause reduced structural stability. Protein Science, 1999, 8, 1152-1159.	7.6	19
2851	The 80s loop of the catalytic chain of <i>Escherichia coli</i> aspartate transcarbamoylase is critical for catalysis and homotropic cooperativity. Protein Science, 1999, 8, 1305-1313.	7.6	7
2852	Antibody variable region binding by <i>Staphylococcal</i> protein A: Thermodynamic analysis and location of the Fv binding site on Eâ€domain. Protein Science, 1999, 8, 1423-1431.	7.6	86
2853	Functional analyses of AmpC ð²â€lactamase through differential stability. Protein Science, 1999, 8, 1816-1824.	7.6	34
2854	Dislocation of membrane proteins in FtsH-mediated proteolysis. EMBO Journal, 1999, 18, 2970-2981.	7.8	101
2855	Assaying RNA chaperone activity in vivo using a novel RNA folding trap. EMBO Journal, 1999, 18, 3776-3782.	7.8	78
2856	A minimal RNA polymerase III transcription system. EMBO Journal, 1999, 18, 5042-5051.	7.8	43
2857	Two co-existing mechanisms for nuclear import of MAP kinase: passive diffusion of a monomer and active transport of a dimer. EMBO Journal, 1999, 18, 5347-5358.	7.8	242
2858	Eps1, a novel PDI-related protein involved in ER quality control in yeast. EMBO Journal, 1999, 18, 5972-5982.	7.8	93
2859	Identification of RNA-binding surfaces in iron regulatory protein-1. EMBO Journal, 1999, 18, 6073-6083.	7.8	47
2860	A single amino acid alteration (101L) introduced into murine PrP dramatically alters incubation time of transmissible spongiform encephalopathy. EMBO Journal, 1999, 18, 6855-6864.	7.8	211
2861	A mutation in region 1.1 of sigma sigma 70 affects promoter DNA binding by Escherichia coli RNA polymerase holoenzyme. EMBO Journal, 1999, 18, 709-716.	7.8	32
2862	Destruction of Myc by ubiquitin-mediated proteolysis: cancer-associated and transforming mutations stabilize Myc. EMBO Journal, 1999, 18, 717-726.	7.8	394
2863	Mutational effect of the â€- 35â€element of sorghum psbA gene promoter. Science Bulletin, 1999, 44, 1474-1480.	1.7	1
2864	Subcellular localization of hepatitis C viral proteins in mammalian cells. Archives of Virology, 1999, 144, 329-343.	2.1	59
2865	Unusual transcriptional and translational regulation of the bacteriophage Mu mom operon. , 1999, 84, 367-388.		45
2866	Histidine-tagging and purification of tobacco etch potyvirus helper component protein. Journal of Virological Methods, 1999, 77, 11-15.	2.1	19

#	ARTICLE	IF	CITATIONS
2867	Regulation of $\gamma$ -glutamylcysteine synthetase regulatory subunit (GLCLR) gene expression: identification of the major transcriptional start site in HT29 cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999, 1446, 47-56.	2.4	16
2868	Functional assessment of surface loops: deletion of eukaryote-specific peptide inserts in thymidylate synthase of <i>Saccharomyces cerevisiae</i> . <i>BBA - Proteins and Proteomics</i> , 1999, 1430, 1-13.	2.1	2
2869	OHIO-1 $\beta$ -lactamase mutants: the Arg244Ser mutant and resistance to $\beta$ -lactams and $\beta$ -lactamase inhibitors. <i>BBA - Proteins and Proteomics</i> , 1999, 1432, 125-136.	2.1	9
2870	The role of the non-conserved residue at position 104 of class A $\beta$ -lactamases in susceptibility to mechanism-based inhibitors. <i>BBA - Proteins and Proteomics</i> , 1999, 1431, 132-147.	2.1	7
2871	Mutation of Highly Conserved Arginine Residues Disrupts the Structure and Function of Annexin V. <i>Archives of Medical Research</i> , 1999, 30, 360-367.	3.3	8
2872	Rel transcription factors contribute to elevated urokinase expression in human ovarian carcinoma cells. <i>FEBS Journal</i> , 1999, 259, 143-148.	0.2	20
2873	Further improvement of the thermal stability of a partially stabilized <i>Bacillus subtilis</i> 3-isopropylmalate dehydrogenase variant by random and site-directed mutagenesis. <i>FEBS Journal</i> , 1999, 260, 499-504.	0.2	42
2874	Primary structure and biochemical characterization of yeast GTPase-activating proteins with substrate preference for the transport GTPase Ypt7p. <i>FEBS Journal</i> , 1999, 260, 284-290.	0.2	50
2875	Molecular cloning, structural characterization and chromosomal localization of human lipoyltransferase gene. <i>FEBS Journal</i> , 1999, 260, 761-767.	0.2	36
2876	Construction and characterization of a functional mutant of <i>Synechocystis</i> 6803 harbouring a eukaryotic PSII-H subunit. <i>FEBS Journal</i> , 1999, 260, 833-843.	0.2	23
2877	Production in <i>Escherichia coli</i> and site-directed mutagenesis of a 9 kDa nonspecific lipid transfer protein from wheat. <i>FEBS Journal</i> , 1999, 260, 861-868.	0.2	20
2878	Eukaryotic precursor proteins are processed by <i>Escherichia coli</i> outer membrane protein OmpP. <i>FEBS Journal</i> , 1999, 262, 832-839.	0.2	2
2879	Aggregation of <i>Dictyostelium discoideum</i> is dependent on myristoylation and membrane localization of the G protein $\gamma$ -subunit, G $\gamma$ 2. <i>Journal of Cellular Biochemistry</i> , 1999, 74, 301-311.	2.6	12
2880	Specific negative effects resulting from elevated levels of the recombinational repair protein Rad54p in <i>Saccharomyces cerevisiae</i> . , 1999, 15, 721-740.		37
2881	Fluorescence quenching in the DsbA protein from <i>Escherichia coli</i> : Complete picture of the excited-state energy pathway and evidence for the reshuffling dynamics of the microstates of tryptophan. , 1999, 37, 253-263.		33
2882	Role of histidine-50, glutamic acid-96, and histidine-137 in the ribonucleolytic mechanism of the ribotoxin $\gamma$ -sarcin. , 1999, 37, 474-484.		47
2883	Structural and functional studies of monomeric mutant of Cu-Zn superoxide dismutase without Arg 143. , 1999, 5, S33-S41.		16
2884	Regulation of Myosin Phosphatase by a Specific Interaction with cGMP- Dependent Protein Kinase I. <i>Science</i> , 1999, 286, 1583-1587.	12.6	489

#	ARTICLE	IF	CITATIONS
2885	Transcriptional Regulation of Tyrosine Phenol-lyase Gene Mediated through TyrR and cAMP Receptor Protein. Bioscience, Biotechnology and Biochemistry, 1999, 63, 1823-1827.	1.3	22
2886	Site-directed Mutagenesis of Two Zinc-binding Centers of the NADH-dependent Phenylacetaldehyde Reductase from Styrene-assimilating <i>Corynebacterium</i> sp. Strain ST-10. Bioscience, Biotechnology and Biochemistry, 1999, 63, 2216-2218.	1.3	16
2887	Analysis of a Catalytic Acidic Pair in the Active Center of Cellulase from <i>Aspergillus aculeatus</i> . Bioscience, Biotechnology and Biochemistry, 1999, 63, 2157-2162.	1.3	1
2888	Structural changes to ribonuclease A and their effects on biological activity. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1999, 123, 103-111.	0.5	8
2889	V(D)J recombination catalyzed by mutant RAG proteins lacking consensus DNA-PK phosphorylation sites. Molecular Immunology, 1999, 36, 1263-1269.	2.2	11
2890	Characterization of a self-splicing mini-intein and its conversion into autocatalytic N- and C-terminal cleavage elements: facile production of protein building blocks for protein ligation. Gene, 1999, 231, 1-13.	2.2	204
2891	Mutation of human $\mu$ opioid receptor extracellular $\alpha$ -disulfide cysteine residues alters ligand binding but does not prevent receptor targeting to the cell plasma membrane. Molecular Brain Research, 1999, 72, 195-204.	2.3	37
2892	Disruption of substrate binding site in <i>E. coli</i> RNA polymerase by lethal alanine substitutions in carboxy terminal domain of the $\beta'$ subunit. FEBS Letters, 1999, 444, 189-194.	2.8	5
2893	Localization of the site for the nucleotide effectors of <i>Escherichia coli</i> carbamoyl phosphate synthetase using site-directed mutagenesis. FEBS Letters, 1999, 446, 133-136.	2.8	16
2894	Native acridone synthases I and II from <i>Ruta graveolens</i> L. form homodimers. FEBS Letters, 1999, 448, 135-140.	2.8	45
2895	Mutations of the mitochondrially encoded ATPase 6 gene modeled in the ATP synthase of <i>Escherichia coli</i> . FEBS Letters, 1999, 453, 179-182.	2.8	13
2896	Conserved extracellular cysteine residues in the inwardly rectifying potassium channel Kir2.3 are required for function but not expression in the membrane. FEBS Letters, 1999, 458, 393-399.	2.8	9
2897	Subcellular trafficking abnormalities of a prion protein with a disrupted disulfide loop. FEBS Letters, 1999, 460, 11-16.	2.8	18
2898	A Functional Enhancer Suppresses Silencing of a Transgene and Prevents Its Localization Close to Centromeric Heterochromatin. Cell, 1999, 99, 259-269.	28.9	241
2899	Functional Conformation Changes in the TF1-ATPase $\beta$ Subunit Probed by 12 Tyrosine Residues. Biophysical Journal, 1999, 77, 2175-2183.	0.5	22
2900	Self-splicing of the Tetrahymena intron from mRNA in mammalian cells. EMBO Journal, 1999, 18, 6491-6500.	7.8	35
2901	Maintenance of G2 arrest in the <i>Xenopus</i> oocyte: a role for 14-3-3-mediated inhibition of Cdc25 nuclear import. EMBO Journal, 1999, 18, 2174-2183.	7.8	210
2902	Regulatory Properties of Recombinant Tropomyosins Containing 5-Hydroxytryptophan: A $\text{Ca}^{2+}$ -Binding to Troponin Results in a Conformational Change in a Region of Tropomyosin outside the Troponin Binding Site. Biochemistry, 1999, 38, 10543-10551.	2.5	27



#	ARTICLE	IF	CITATIONS
2903	Cavity-Creating Mutation at the Dimer Interface of <i>Plasmodium falciparum</i> Triosephosphate Isomerase: Restoration of Stability by Disulfide Cross-Linking of Subunits. <i>Biochemistry</i> , 1999, 38, 478-486.	2.5	26
2904	Role of the First Extracellular Loop in the Functional Activation of CCR2. <i>Journal of Biological Chemistry</i> , 1999, 274, 32055-32062.	3.4	42
2905	A Mutation That Separates the RasG Signals That Regulate Development and Cytoskeletal Function in <i>Dictyostelium</i> . <i>Experimental Cell Research</i> , 1999, 247, 356-366.	2.6	9
2906	The effect of high-frequency random mutagenesis on in vitro protein evolution: a study on TEM-1 $\beta$ -lactamase 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 1999, 285, 775-783.	4.2	192
2907	Functional domains of an NAD <sup>+</sup> -dependent DNA ligase 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 1999, 285, 73-83.	4.2	77
2908	A dimeric form of <i>Escherichia coli</i> succinyl-CoA synthetase produced by site-directed mutagenesis 1 Edited by D. Rees. <i>Journal of Molecular Biology</i> , 1999, 285, 1655-1666.	4.2	21
2909	Effect of mutations in the A site of 16 S rRNA on aminoglycoside antibiotic-ribosome interaction. <i>Journal of Molecular Biology</i> , 1999, 286, 33-43.	4.2	99
2910	Experimental evolution of a dense cluster of residues in tyrosyl-tRNA synthetase: quantitative effects on activity, stability and dimerization 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 1999, 286, 563-577.	4.2	4
2911	ErmE methyltransferase recognizes features of the primary and secondary structure in a motif within domain V of 23 S rRNA 1 Edited by D. E. Draper. <i>Journal of Molecular Biology</i> , 1999, 286, 365-374.	4.2	20
2912	Two distinct segments of the hepatitis B virus surface antigen contribute synergistically to its association with the viral core particles 1 Edited by J. Karn. <i>Journal of Molecular Biology</i> , 1999, 286, 797-808.	4.2	52
2913	Random circular permutation of DsbA reveals segments that are essential for protein folding and stability 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 1999, 286, 1197-1215.	4.2	119
2914	Isolation of chloroform-resistant mutants of filamentous phage: localization in models of phage structure. <i>Journal of Molecular Biology</i> , 1999, 287, 449-457.	4.2	14
2915	High-resolution autoreactive epitope mapping and structural modeling of the 65 kDa form of human glutamic acid decarboxylase. <i>Journal of Molecular Biology</i> , 1999, 287, 983-999.	4.2	100
2916	A turn propensity scale for transmembrane helices. <i>Journal of Molecular Biology</i> , 1999, 288, 141-145.	4.2	92
2917	Helix capping in the GCN4 leucine zipper 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1999, 288, 743-752.	4.2	43
2918	Mutagenesis of yeast TFIIIB70 reveals C-terminal residues critical for interaction with TBP and C34 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 1999, 288, 511-520.	4.2	49
2919	The Transferrin Receptor Binding Site on HFE, the Class I MHC-related Protein Mutated in Hereditary Hemochromatosis. <i>Journal of Molecular Biology</i> , 1999, 289, 1109-1118.	4.2	84
2920	Switch of coenzyme specificity of p-hydroxybenzoate hydroxylase 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 1999, 292, 87-96.	4.2	55

#	ARTICLE	IF	CITATIONS
2921	Facilitation of Group I Splicing in Vivo: Misfolding of the Tetrahymena IVS and the Role of Ribosomal RNA Exons. <i>Journal of Molecular Biology</i> , 1999, 292, 557-567.	4.2	39
2922	Structural analysis of a non-contiguous second-site revertant in T4 lysozyme shows that increasing the rigidity of a protein can enhance its stability 1 1Edited by J. A. Wells. <i>Journal of Molecular Biology</i> , 1999, 292, 1111-1120.	4.2	47
2923	Linearization and transposition of circular molecules of insertion sequence IS 3 1 1Edited by J. H. Miller. <i>Journal of Molecular Biology</i> , 1999, 294, 21-34.	4.2	45
2924	Turns in transmembrane helices: determination of the minimal length of a "helical hairpin" and derivation of a fine-grained turn propensity scale 1 1Edited by F. E. Cohen. <i>Journal of Molecular Biology</i> , 1999, 293, 807-814.	4.2	95
2925	Mutational analysis of the affinity maturation of antibody 48G7. <i>Journal of Molecular Biology</i> , 1999, 294, 1191-1201.	4.2	51
2926	The pI and pXI assembly proteins serve separate and essential roles in filamentous phage assembly 1 1Edited by M. Gottesman. <i>Journal of Molecular Biology</i> , 1999, 293, 1017-1027.	4.2	25
2927	Schizosaccharomyces pombe Replication and Repair Proteins: Proliferating Cell Nuclear Antigen (PCNA). <i>Methods</i> , 1999, 18, 335-348.	3.8	3
2928	Investigation of Batten Disease with the Yeast Saccharomyces cerevisiae. <i>Molecular Genetics and Metabolism</i> , 1999, 66, 314-319.	1.1	11
2929	Closely Related Form I Ribulose Bisphosphate Carboxylase/Oxygenase Molecules That Possess Different CO <sub>2</sub> /O <sub>2</sub> Substrate Specificities. <i>Archives of Biochemistry and Biophysics</i> , 1999, 361, 183-194.	3.0	48
2930	Double Mutant Cycle Analysis of Aspartate 69, 97, and 103 to Asparagine Mutants in the m2 Muscarinic Acetylcholine Receptor. <i>Archives of Biochemistry and Biophysics</i> , 1999, 361, 283-294.	3.0	14
2931	Mutational Analysis of Loading of Iron into Rat Liver Ferritin by Ceruloplasmin. <i>Archives of Biochemistry and Biophysics</i> , 1999, 361, 295-301.	3.0	5
2932	Probing the Affinity and Specificity of Yeast Alcohol Dehydrogenase I for Coenzymes. <i>Archives of Biochemistry and Biophysics</i> , 1999, 367, 240-249.	3.0	25
2933	Mutant PTR1 Proteins from Leishmania tarentolae: Comparative Kinetic Properties and Active-Site Labeling. <i>Archives of Biochemistry and Biophysics</i> , 1999, 368, 161-171.	3.0	8
2934	SEA-scFv as a Bifunctional Antibody: Construction of a Bacterial Expression System and Its Functional Analysis. <i>Biochemical and Biophysical Research Communications</i> , 1999, 256, 223-230.	2.1	12
2935	Characterization of an Element within the Rat Parathyroid Hormone/Parathyroid Hormone-Related Peptide Receptor Gene Promoter That Enhances Expression in Osteoblastic Osteosarcoma 17/2.8 Cells. <i>Biochemical and Biophysical Research Communications</i> , 1999, 258, 336-340.	2.1	10
2936	Influence of a Cap Site Element on Tissue-Restricted Expression of the Glycoprotein Hormone $\beta$ -Subunit Gene. <i>Biochemical and Biophysical Research Communications</i> , 1999, 260, 752-759.	2.1	0
2937	Spectral Properties of Trp182, Trp194, and Trp250 on the $\beta$ Subunit of Bacterial Luciferase. <i>Biochemical and Biophysical Research Communications</i> , 1999, 263, 820-824.	2.1	1
2938	Involvement of the Sp1 Site in ras-Mediated Downregulation of the RECK Metastasis Suppressor Gene. <i>Biochemical and Biophysical Research Communications</i> , 1999, 264, 668-675.	2.1	94

#	ARTICLE	IF	CITATIONS
2939	DNA Sequences Responsible for Reduced Promoter Activity of Human Phospholipid Transfer Protein by Fibrate. Biochemical and Biophysical Research Communications, 1999, 264, 802-807.	2.1	35
2940	The cystine knot of a squash-type protease inhibitor as a structural scaffold for Escherichia coli cell surface display of conformationally constrained peptides. Protein Engineering, Design and Selection, 1999, 12, 797-806.	2.1	87
2941	The Rate of Cell-to-Cell Movement in Squash of Cucumber Mosaic Virus Is Affected by Sequences of the Capsid Protein. Molecular Plant-Microbe Interactions, 1999, 12, 628-632.	2.6	44
2942	Dual coupling of the $\hat{1}\pm$ -thrombin receptor to signal-transduction pathways involving phosphatidylinositol and phosphatidylcholine metabolism. Biochemical Journal, 1999, 337, 97-104.	3.7	10
2943	Alteration of substrate specificity by a naturally-occurring aldolase B mutation (Ala337 $\hat{a}$ 'Val) in fructose intolerance. Biochemical Journal, 1999, 340, 321-327.	3.7	15
2944	Characterization of the membrane quinoprotein glucose dehydrogenase from Escherichia coli and characterization of a site-directed mutant in which histidine-262 has been changed to tyrosine. Biochemical Journal, 1999, 340, 639-647.	3.7	45
2945	$\hat{1}\pm 3\hat{1}23\hat{1}3$ complex of F1-ATPase from thermophilic Bacillus PS3 can maintain steady-state ATP hydrolysis activity depending on the number of non-catalytic sites. Biochemical Journal, 1999, 343, 135-138.	3.7	15
2946	Evidence that pyruvate dehydrogenase kinase belongs to the ATPase/kinase superfamily. Biochemical Journal, 1999, 344, 47-53.	3.7	53
2947	Functional and conformational characterization of new mutants of heart fatty acid-binding protein. Biochemical Journal, 1999, 344, 495-501.	3.7	29
2948	Fine mapping of inhibitory anti- $\hat{1}\pm 5$ monoclonal antibody epitopes that differentially affect integrin $\hat{a}$ €"ligand binding. Biochemical Journal, 1999, 344, 527-533.	3.7	47
2949	Transcription from the P2 promoter of the growth hormone receptor gene involves members of the Sp transcription factor family. Biochemical Journal, 1999, 344, 867-872.	3.7	9
2950	BiP-binding Sequences in HIV gp160. Journal of Biological Chemistry, 1999, 274, 29850-29857.	3.4	49
2951	[30] Pore-blocking toxins as probes of voltage-dependent channels. Methods in Enzymology, 1999, 294, 575-605.	1.0	25
2952	A theoretical model of the human thrombin receptor (PAR-1), the first known protease-activated g-protein-coupled receptor. Advances in Medicinal Chemistry, 1999, 4, 245-271.	0.8	3
2953	A Ligand Binding Domain Mutation in the Mouse Glucocorticoid Receptor Functionally Links Chromatin Remodeling and Transcription Initiation. Molecular and Cellular Biology, 1999, 19, 8146-8157.	2.3	27
2954	The C Terminus of Ku80 Activates the DNA-Dependent Protein Kinase Catalytic Subunit. Molecular and Cellular Biology, 1999, 19, 3267-3277.	2.3	169
2955	Ribosomal Protein S14 of <i>Saccharomyces cerevisiae</i> Regulates Its Expression by Binding to <i>RPS14B</i> Pre-mRNA and to 18S rRNA. Molecular and Cellular Biology, 1999, 19, 826-834.	2.3	123
2956	Mutations in Elongation Factor $\hat{1}\hat{2}$ , a Guanine Nucleotide Exchange Factor, Enhance Translational Fidelity. Molecular and Cellular Biology, 1999, 19, 5257-5266.	2.3	69

#	ARTICLE	IF	CITATIONS
2957	Active-Site Mutations in the Xrn1p Exoribonuclease of <i>Saccharomyces cerevisiae</i> Reveal a Specific Role in Meiosis. <i>Molecular and Cellular Biology</i> , 1999, 19, 5930-5942.	2.3	56
2958	[22] Analyzing membrane topology of 11-cis-retinol dehydrogenase. <i>Methods in Enzymology</i> , 2000, 316, 344-358.	1.0	4
2959	Effects of Three Characteristic Amino Acid Residues of Pharaonis Phoborhodopsin on the Absorption Maximum. <i>Photochemistry and Photobiology</i> , 2000, 72, 141.	2.5	21
2960	Evidence that serine 304 is not a key ligand-binding residue in the active site of cytochrome P450 2D6. <i>Biochemical Journal</i> , 2000, 345, 565-571.	3.7	16
2961	Receptor-binding conformation of the ?ELR? motif of IL-8: X-ray structure of the L5C/H33C variant at 2.35 Å resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000, 38, 361-367.	2.6	20
2962	Plasticity and steric strain in a parallel ?-helix: Rational mutations in the P22 tailspike protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000, 39, 89-101.	2.6	15
2963	Transgenic mice with a mutated collagen promoter display normal response during bleomycin-induced fibrosis and possess neurological abnormalities. , 2000, 77, 135-148.		10
2964	Assignment of the contribution of the tryptophan residues to the spectroscopic and functional properties of the ribotoxin ?-sarcin. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000, 41, 350-361.	2.6	29
2965	Choline Import into Chloroplasts Limits Glycine Betaine Synthesis in Tobacco: Analysis of Plants Engineered with a Chloroplastic or a Cytosolic Pathway. <i>Metabolic Engineering</i> , 2000, 2, 300-311.	7.0	66
2966	Different conformations of nascent polypeptides during translocation across the ER membrane. <i>BMC Cell Biology</i> , 2000, 1, 3.	3.0	79
2967	Two basic residues, Lys-107 and Lys-118, of RuvC resolvase are involved in critical contacts with the Holliday junction for its resolution. <i>Genes To Cells</i> , 2000, 5, 803-813.	1.2	13
2968	The bacteriophage T4 anti-sigma factor AsiA is not necessary for the inhibition of early promoters in vivo. <i>Molecular Microbiology</i> , 2000, 35, 1180-1191.	2.5	29
2969	In vivo studies of upstream regulatory cis-acting elements of the alcR gene encoding the transactivator of the ethanol regulon in <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , 2000, 36, 123-131.	2.5	40
2970	Localization of the histidine kinase PilS to the poles of <i>Pseudomonas aeruginosa</i> and identification of a localization domain. <i>Molecular Microbiology</i> , 2000, 36, 153-162.	2.5	53
2971	FlbT, the post-transcriptional regulator of flagellin synthesis in <i>Caulobacter crescentus</i> , interacts with the 5' untranslated region of flagellin mRNA. <i>Molecular Microbiology</i> , 2000, 38, 41-52.	2.5	56
2972	Maize ROP7 GTPase contains a unique, CaaX box-independent plasma membrane targeting signal. <i>Plant Journal</i> , 2000, 24, 79-90.	5.7	67
2973	Contribution of disulfide bonds to the conformational stability and catalytic activity of ribonuclease A. <i>FEBS Journal</i> , 2000, 267, 566-572.	0.2	136
2974	Phosphorylation of the signal transducer PII protein and an additional effector are required for the PII-mediated regulation of nitrate and nitrite uptake in the cyanobacterium <i>Synechococcus</i> sp. PCC 7942. <i>FEBS Journal</i> , 2000, 267, 591-600.	0.2	70

#	ARTICLE	IF	CITATIONS
2975	Cloning, sequencing and expression of the gene for flavodoxin from <i>Megasphaera elsdenii</i> and the effects of removing the protein negative charge that is closest to N(1) of the bound FMN. <i>FEBS Journal</i> , 2000, 267, 4434-4444.	0.2	11
2976	Îµ-Crystallin from duck eye lens. <i>FEBS Journal</i> , 2000, 267, 5413-5420.	0.2	7
2977	Specificities of functionally expressed chalcone and acridone synthases from <i>Ruta graveolens</i> . <i>FEBS Journal</i> , 2000, 267, 6552-6559.	0.2	43
2978	Loop Stability in the Engineered Potassium Binding Site of Cytochrome c Peroxidase. <i>Tetrahedron</i> , 2000, 56, 9471-9475.	1.9	3
2979	Involvement of two groups in reversal of the bathochromic shift of pharaonis phoborhodopsin by chloride at low pH. <i>Biophysical Chemistry</i> , 2000, 87, 225-230.	2.8	31
2980	Arginine 56 mutation in the ÅŽÅ² subunit of nitrile hydratase: importance of hydrogen bonding to the non-heme iron center. <i>Journal of Inorganic Biochemistry</i> , 2000, 80, 283-288.	3.5	55
2981	A T-cell-selective interleukin 2 mutein exhibits potent antitumor activity and is well tolerated in vivo. <i>Nature Biotechnology</i> , 2000, 18, 1197-1202.	17.5	107
2982	A murine ATFa-associated factor with transcriptional repressing activity. <i>Oncogene</i> , 2000, 19, 1807-1819.	5.9	28
2983	Peptide exosite inhibitors of factor VIIa as anticoagulants. <i>Nature</i> , 2000, 404, 465-470.	27.8	211
2984	Function of microtubules in intercellular transport of plant virus RNA. <i>Nature Cell Biology</i> , 2000, 2, 826-832.	10.3	161
2985	A new mutation in spo0A with intragenic suppressors in the effector domain. <i>FEMS Microbiology Letters</i> , 2000, 185, 123-128.	1.8	14
2986	Differences in substrate specificity and kinetic properties of the recombinant hexokinases HXK1 and HXK2 from <i>Entamoeba histolytica</i> . <i>Molecular and Biochemical Parasitology</i> , 2000, 105, 71-80.	1.1	23
2987	Inhibition of serine proteinases from human blood clotting system by squash inhibitor mutants. <i>BBA - Proteins and Proteomics</i> , 2000, 1478, 318-324.	2.1	5
2988	Recombinant antibodies as carrier proteins for sub-unit vaccines: influence of mode of fusion on protein production and T-cell activation. <i>Journal of Immunological Methods</i> , 2000, 245, 119-131.	1.4	20
2989	Functional characterization of the conserved "GLK" motif in mitochondrial porin from <i>Neurospora crassa</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 2000, 32, 563-570.	2.3	14
2990	Conformational changes in truncated p47 <sup>phox</sup> proteins monitored by fluorescent labeling. , 2000, 19, 643-648.		3
2991	Genetic Analysis of the Cell-to-Cell Movement of Beet Yellow Closterovirus. <i>Virology</i> , 2000, 268, 192-200.	2.4	104
2992	Comparison of Two Single-Chain Antibodies That Neutralize Canine Parvovirus: Analysis of an Antibody-Combining Site and Mechanisms of Neutralization. <i>Virology</i> , 2000, 269, 471-480.	2.4	35

#	ARTICLE	IF	CITATIONS
2993	Identification and Analysis of Vaccinia Virus Palmitoylproteins. <i>Virology</i> , 2000, 275, 193-206.	2.4	32
2994	Rabbit Hemorrhagic Disease Virus: Genome Organization and Polyprotein Processing of a Calicivirus Studied after Transient Expression of cDNA Constructs. <i>Virology</i> , 2000, 276, 349-363.	2.4	97
2995	Complete Nucleotide Sequence of the Chiba Virus Genome and Functional Expression of the 3C-Like Protease in <i>Escherichia coli</i> . <i>Virology</i> , 2000, 278, 490-500.	2.4	41
2996	Maize Chlorotic Mottle Machlomovirus Expresses Its Coat Protein from a 1.47-kb Subgenomic RNA and Makes a 0.34-kb Subgenomic RNA. <i>Virology</i> , 2000, 267, 90-101.	2.4	46
2997	Engineering Cowpea Mosaic Virus RNA-2 into a Vector to Express Heterologous Proteins in Plants. <i>Virology</i> , 2000, 267, 159-173.	2.4	107
2998	Effects of Three Characteristic Amino Acid Residues of Pharaonis Phoborhodopsin on the Absorption Maximum $\lambda_{\text{max}}$ . <i>Photochemistry and Photobiology</i> , 2000, 72, 141-145.	2.5	29
2999	Roles of multimerization and membrane association in the proteolytic functions of FtsH (HflB). <i>EMBO Journal</i> , 2000, 19, 3888-3895.	7.8	38
3000	Nonsense-mediated decay of glutathione peroxidase 1 mRNA in the cytoplasm depends on intron position. <i>EMBO Journal</i> , 2000, 19, 4734-4744.	7.8	78
3001	A novel SMC protein complex in <i>Schizosaccharomyces pombe</i> contains the Rad18 DNA repair protein. <i>EMBO Journal</i> , 2000, 19, 1691-1702.	7.8	133
3002	Temperature, pH, and solvent isotope effects on cytochrome c peroxidase mutant N82A studied by proton NMR. <i>The Protein Journal</i> , 2000, 19, 535-542.	1.1	4
3003	Spatial and temporal patterns of GUS expression directed by 5' regions of the <i>Arabidopsis thaliana</i> farnesyl diphosphate synthase genes FPS1 and FPS2. <i>Plant Molecular Biology</i> , 2000, 44, 747-758.	3.9	36
3004	The Use of Site-Directed Mutagenesis, Transient Transfection, and Radioligand Binding; A Method for the Characterization of Receptor-Ligand Interactions. <i>Molecular Biotechnology</i> , 2000, 14, 25-46.	2.4	5
3005	Valine of the YVDD Motif of Moloney Murine Leukemia Virus Reverse Transcriptase: Role in the Fidelity of DNA Synthesis. <i>Biochemistry</i> , 2000, 39, 5155-5165.	2.5	24
3006	Roles of Charged Residues in the Conserved Motif, G-X-X-X-D/E-R/K-X-G-[X]-R/K-R/K, of the Lactose Permease of <i>Escherichia coli</i> . <i>Journal of Membrane Biology</i> , 2000, 174, 31-40.	2.1	16
3007	Construction of a Promoter-Rescue Plasmid for <i>Butyrivibrio fibrisolvens</i> and Its Use in Characterization of a Flagellin Promoter. <i>Current Microbiology</i> , 2000, 40, 164-168.	2.2	3
3008	Characterisation of genetically modified cucumber mosaic virus expressing histidine-tagged 1a and 2a proteins. <i>Archives of Virology</i> , 2000, 145, 37-50.	2.1	26
3009	Molecular Cloning, Expression, and Purification of Nuclear Inclusion A Protease from Tobacco Vein Mottling Virus. <i>Molecules and Cells</i> , 2000, 10, 148-155.	2.6	8
3010	A Recombinant Human Parainfluenza Virus Type 3 (PIV3) in Which the Nucleocapsid N Protein Has Been Replaced by That of Bovine PIV3 Is Attenuated in Primates. <i>Journal of Virology</i> , 2000, 74, 3188-3195.	3.4	40



#	ARTICLE	IF	CITATIONS
3011	The N- and C-Terminal Portions of the Agrobacterium VirB1 Protein Independently Enhance Tumorigenesis. <i>Journal of Bacteriology</i> , 2000, 182, 3437-3445.	2.2	48
3012	The Valine Anticodon and Valylatability of Peanut Clump Virus RNAs Are Not Essential but Provide a Modest Competitive Advantage in Plants. <i>Journal of Virology</i> , 2000, 74, 8720-8725.	3.4	13
3013	Dominant negative mutants of the yeast splicing factor Prp2 map to a putative cleft region in the helicase domain of DExD/H-box proteins. <i>Rna</i> , 2000, 6, 1106-1119.	3.5	37
3014	Refolding of rRNA exons enhances dissociation of the Tetrahymena intron. <i>Rna</i> , 2000, 6, 1248-1256.	3.5	25
3015	Functional Dissection of the Major Structural Protein of Bluetongue Virus: Identification of Key Residues within VP7 Essential for Capsid Assembly. <i>Journal of Virology</i> , 2000, 74, 8658-8669.	3.4	35
3016	[18] Use of the Strep- tag and streptavidin for detection and purification of recombinant proteins. <i>Methods in Enzymology</i> , 2000, 326, 271-304.	1.0	192
3017	Rapid mapping of protein functional epitopes by combinatorial alanine scanning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 8950-8954.	7.1	307
3018	Ubiquitination of the PEST-like Endocytosis Signal of the Yeast a-Factor Receptor. <i>Journal of Biological Chemistry</i> , 2000, 275, 8143-8153.	3.4	95
3019	Cysteines Involved in Radical Generation and Catalysis of Class III Anaerobic Ribonucleotide Reductase. <i>Journal of Biological Chemistry</i> , 2000, 275, 19449-19455.	3.4	25
3020	Dual Role for the Glutamine Phosphoribosylpyrophosphate Amidotransferase Ammonia Channel. <i>Journal of Biological Chemistry</i> , 2000, 275, 7975-7979.	3.4	49
3021	A Binary Mechanism for the Selective Action of a Pancreatic Î²-Cell Transcriptional Silencer. <i>Journal of Biological Chemistry</i> , 2000, 275, 40273-40281.	3.4	1
3022	Activation of the Stat3 Signaling Pathway Is Required for Differentiation by Interleukin-6 in PC12-E2 Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 2147-2156.	3.4	57
3023	Evidence of an Unusually Long Operator for the Fur Repressor in the Aerobactin Promoter of Escherichia coli. <i>Journal of Biological Chemistry</i> , 2000, 275, 24709-24714.	3.4	52
3024	Role of TnrA in Nitrogen Source-Dependent Repression of <i>Bacillus subtilis</i> Glutamate Synthase Gene Expression. <i>Journal of Bacteriology</i> , 2000, 182, 5939-5947.	2.2	80
3025	Inhibition of Six Serine Proteinases of the Human Coagulation System by Mutants of Bovine Pancreatic Trypsin Inhibitor. <i>Journal of Biological Chemistry</i> , 2000, 275, 33346-33352.	3.4	36
3026	Pheromone-Regulated Expression of Sex Pheromone Plasmid pAD1-Encoded Aggregation Substance Depends on at Least Six Upstream Genes and a cis-Acting, Orientation-Dependent Factor. <i>Journal of Bacteriology</i> , 2000, 182, 3816-3825.	2.2	16
3027	A Method for Determining the in Vivo Topology of Yeast Polytopic Membrane Proteins Demonstrates That Gap1p Fully Integrates into the Membrane Independently of Shr3p. <i>Journal of Biological Chemistry</i> , 2000, 275, 31488-31495.	3.4	44
3028	Mutant Mouse Lysozyme Carrying a Minimal T Cell Epitope of Hen Egg Lysozyme Evokes High Autoantibody Response. <i>Journal of Immunology</i> , 2000, 165, 3606-3611.	0.8	12

#	ARTICLE	IF	CITATIONS
3029	A Role for the Region Encompassing the câ€³ Strand of a TCR VÎ± Domain in T Cell Activation Events. Journal of Immunology, 2000, 165, 820-829.	0.8	6
3030	Interaction of two arginine residues in lactate oxidase with the enzyme flavin: Conversion of FMN to 8-formyl-FMN. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13039-13044.	7.1	41
3031	A Conserved Membrane-spanning Amino Acid Motif Drives Homomeric and Supports Heteromeric Assembly of Presynaptic SNARE Proteins. Journal of Biological Chemistry, 2000, 275, 17481-17487.	3.4	119
3032	Analysis of PDZ Domain-Ligand Interactions Using Carboxyl-terminal Phage Display. Journal of Biological Chemistry, 2000, 275, 21486-21491.	3.4	142
3033	Covalent Heterogeneity of the Human Enzyme Galactose-1-phosphate Uridyltransferase. Journal of Biological Chemistry, 2000, 275, 30088-30091.	3.4	10
3034	Identification of a gp130 Cytokine Receptor Critical Site Involved in Oncostatin M Response. Journal of Biological Chemistry, 2000, 275, 5648-5656.	3.4	16
3035	Sls1p Stimulates Sec63p-Mediated Activation of Kar2p in a Conformation-Dependent Manner in the Yeast Endoplasmic Reticulum. Molecular and Cellular Biology, 2000, 20, 6923-6934.	2.3	89
3036	Novel Catalytic Mechanism of Nucleophilic Substitution by Asparagine Residue Involving Cyanoalanine Intermediate Revealed by Mass Spectrometric Monitoring of an Enzyme Reaction. Journal of Biological Chemistry, 2000, 275, 40804-40809.	3.4	21
3037	Distribution of the Native Strain in Human Î±1-Antitrypsin and Its Association with Protease Inhibitor Function. Journal of Biological Chemistry, 2000, 275, 16904-16909.	3.4	48
3038	Second Stalk of ATP Synthase. Journal of Biological Chemistry, 2000, 275, 37902-37906.	3.4	20
3039	Site-specific Incorporation of Nucleoside Analogs by HIV-1 Reverse Transcriptase and the Template Grip Mutant P157S. Journal of Biological Chemistry, 2000, 275, 359-366.	3.4	30
3040	Importance of Arginines 63 and 423 in Modulating the Bile Salt-dependent and Bile Salt-independent Hydrolytic Activities of Rat Carboxyl Ester Lipase. Journal of Biological Chemistry, 2000, 275, 24040-24046.	3.4	16
3041	Identification of the Cystic Fibrosis Transmembrane Conductance Regulator Domains That Are Important for Interactions with ROMK2. Journal of Biological Chemistry, 2000, 275, 16697-16701.	3.4	21
3042	Purification of a Jojoba Embryo Fatty Acyl-Coenzyme A Reductase and Expression of Its cDNA in High Erucic Acid Rapeseed. Plant Physiology, 2000, 122, 635-644.	4.8	165
3043	Structural requirements for incorporation of J chain into human IgM and IgA. International Immunology, 2000, 12, 19-27.	4.0	56
3044	Characterization of a Novel Trans-Activation Domain of BRCA1 That Functions in Concert with the BRCA1 C-terminal (BRCT) Domain. Journal of Biological Chemistry, 2000, 275, 40910-40915.	3.4	41
3045	A Single Amino Acid Deletion in the Carboxy Terminal of Apolipoprotein A-I Impairs Lipid Binding and Cellular Interaction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 210-216.	2.4	29
3046	Functional Probing of the Human Glucocorticoid Receptor Steroid-interacting Surface by Site-directed Mutagenesis. Journal of Biological Chemistry, 2000, 275, 19041-19049.	3.4	32

#	ARTICLE	IF	CITATIONS
3047	In <i>Rhizobium leguminosarum</i> , NodD represses its own transcription by competing with RNA polymerase for binding sites. <i>Nucleic Acids Research</i> , 2000, 28, 2784-2793.	14.5	27
3048	A role of transcriptional activators as antirepressors for the autoinhibitory activity of TATA box binding of transcription factor IID. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 7178-7183.	7.1	45
3049	Use of a non-rigid region in T4 lysozyme to design an adaptable metal-binding site. <i>Protein Engineering, Design and Selection</i> , 2000, 13, 313-321.	2.1	17
3050	Gic2p May Link Activated Cdc42p to Components Involved in Actin Polarization, Including Bni1p and Bud6p (Aip3p). <i>Molecular and Cellular Biology</i> , 2000, 20, 6244-6258.	2.3	72
3051	Structure–function analysis of Î±-helix H4 using PSE-4 as a model enzyme representative of class A Î²-lactamases. <i>Protein Engineering, Design and Selection</i> , 2000, 13, 267-274.	2.1	5
3052	Role of Q190 of MuLV RT in ddNTP resistance and fidelity of DNA synthesis: a molecular model of interactions with substrates. <i>Protein Engineering, Design and Selection</i> , 2000, 13, 635-643.	2.1	11
3053	Replicase Complex Genes of Semliki Forest Virus Confer Lethal Neurovirulence. <i>Journal of Virology</i> , 2000, 74, 4579-4589.	3.4	74
3054	On the tryptophan residue of smooth muscle myosin that responds to binding of nucleotide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 11203-11208.	7.1	19
3055	Mapping the Domain of Troponin T Responsible for the Activation of Actomyosin ATPase Activity. <i>Journal of Biological Chemistry</i> , 2000, 275, 27513-27519.	3.4	41
3056	Transgenic Analysis of the Response of the Rat <i>Calbindin-D 9k</i> Gene to Vitamin D. <i>Endocrinology</i> , 2000, 141, 2301-2308.	2.8	33
3057	Conformational Stability Is a Determinant of Ribonuclease A Cytotoxicity. <i>Journal of Biological Chemistry</i> , 2000, 275, 17463-17467.	3.4	86
3058	c-Myb-binding Sites Mediate G1/S-associated Repression of the Plasma Membrane Ca <sup>2+</sup> -ATPase-1 Promoter. <i>Journal of Biological Chemistry</i> , 2000, 275, 9062-9069.	3.4	35
3059	PDZ-dependent Activation of Nitric-oxide Synthases by the Serotonin 2B Receptor. <i>Journal of Biological Chemistry</i> , 2000, 275, 9324-9331.	3.4	111
3060	Mechanism of Phosphorylation of Protein Kinase B/Akt by a Constitutively Active 3-Phosphoinositide-dependent Protein Kinase-1. <i>Journal of Biological Chemistry</i> , 2000, 275, 40400-40406.	3.4	116
3061	In Vitro- and In Vivo-Generated Defective RNAs of Satellite Panicum Mosaic Virus Define cis-Acting RNA Elements Required for Replication and Movement. <i>Journal of Virology</i> , 2000, 74, 2247-2254.	3.4	27
3062	A Common Motif within the Negative Regulatory Regions of Multiple Factors Inhibits Their Transcriptional Synergy. <i>Molecular and Cellular Biology</i> , 2000, 20, 6040-6050.	2.3	200
3063	Correlated Switch Binding and Signaling in Bacterial Chemotaxis. <i>Journal of Biological Chemistry</i> , 2000, 275, 19752-19758.	3.4	27
3064	Arginine 447 Plays a Pivotal Role in Substrate Interactions in a Neuronal Glutamate Transporter. <i>Journal of Biological Chemistry</i> , 2000, 275, 37436-37442.	3.4	147

#	ARTICLE	IF	CITATIONS
3065	Correlation between Point Mutations in NS2 and the Viability and Cytopathogenicity of Bovine Viral Diarrhea Virus Strain Oregon Analyzed with an Infectious cDNA Clone. <i>Journal of Virology</i> , 2000, 74, 390-400.	3.4	46
3066	The Rous Sarcoma Virus Long Terminal Repeat Promoter Is Regulated by TFII-I. <i>Journal of Virology</i> , 2000, 74, 6511-6519.	3.4	8
3067	Local and Systemic Induction of Two Defense-Related Subtilisin-Like Protease Promoters in Transgenic Arabidopsis Plants. Luciferin Induction of PR Gene Expression. <i>Plant Physiology</i> , 2000, 124, 1049-1058.	4.8	59
3068	Role of the 3' tRNA-Like Structure in Tobacco Mosaic Virus Minus-Strand RNA Synthesis by the Viral RNA-Dependent RNA Polymerase In Vitro. <i>Journal of Virology</i> , 2000, 74, 11671-11680.	3.4	63
3069	Multiple Interactions between Pullulanase Secreton Components Involved in Stabilization and Cytoplasmic Membrane Association of PulE. <i>Journal of Bacteriology</i> , 2000, 182, 2142-2152.	2.2	123
3070	A Functional Comparison of BRCA1 C-terminal Domains in Transcription Activation and Chromatin Remodeling. <i>Journal of Biological Chemistry</i> , 2000, 275, 40169-40173.	3.4	29
3071	Macromolecular Inhibitors of HIV-1 Protease. <i>Journal of Biological Chemistry</i> , 2000, 275, 7080-7086.	3.4	15
3072	Cloning and Random Mutagenesis of the <i>Erwinia herbicola</i> tyrR Gene for High-Level Expression of Tyrosine Phenol-Lyase. <i>Applied and Environmental Microbiology</i> , 2000, 66, 4764-4771.	3.1	43
3073	Human Parainfluenza Virus Type 3 (PIV3) Expressing the Hemagglutinin Protein of Measles Virus Provides a Potential Method for Immunization against Measles Virus and PIV3 in Early Infancy. <i>Journal of Virology</i> , 2000, 74, 6821-6831.	3.4	52
3074	Impaired Core Promoter Recognition Caused by Novel Yeast TAF145 Mutations Can Be Restored by Creating a Canonical TATA Element within the Promoter Region of the TUB2 Gene. <i>Molecular and Cellular Biology</i> , 2000, 20, 2385-2399.	2.3	37
3075	Serine residues 1177/78/82 of the insulin receptor are required for substrate phosphorylation but not autophosphorylation. <i>Diabetes</i> , 2000, 49, 889-895.	0.6	17
3076	Analysis of Estrogen Receptor Interaction with a Repressor of Estrogen Receptor Activity (REA) and the Regulation of Estrogen Receptor Transcriptional Activity by REA. <i>Journal of Biological Chemistry</i> , 2000, 275, 35848-35856.	3.4	123
3077	Chimeric Bovine Respiratory Syncytial Virus with Glycoprotein Gene Substitutions from Human Respiratory Syncytial Virus (HRSV): Effects on Host Range and Evaluation as a Live-Attenuated HRSV Vaccine. <i>Journal of Virology</i> , 2000, 74, 1187-1199.	3.4	66
3078	Effects of Amino Acid Substitutions at Conserved and Acidic Residues within Region 1.1 of <i>Escherichia coli</i> $\beta$ , 70. <i>Journal of Bacteriology</i> , 2000, 182, 221-224.	2.2	8
3079	A 13-Amino-Acid Pit1-Specific Loop 4 Sequence Confers Feline Leukemia Virus Subgroup B Receptor Function upon Pit2. <i>Journal of Virology</i> , 2000, 74, 2926-2929.	3.4	14
3080	The TetA(K) Tetracycline/H <sup>+</sup> Antiporter from <i>Staphylococcus aureus</i> : Mutagenesis and Functional Analysis of Motif C. <i>Journal of Bacteriology</i> , 2000, 182, 1492-1498.	2.2	49
3081	Zinc Stoichiometry of Yeast RNA Polymerase II and Characterization of Mutations in the Zinc-binding Domain of the Largest Subunit. <i>Journal of Biological Chemistry</i> , 2000, 275, 13780-13788.	3.4	29
3082	Feedback Phosphorylation of the Yeast $\alpha$ -Factor Receptor Requires Activation of the Downstream Signaling Pathway from G Protein through Mitogen-Activated Protein Kinase. <i>Molecular and Cellular Biology</i> , 2000, 20, 563-574.	2.3	28

#	ARTICLE	IF	CITATIONS
3083	The Role of Nuclear Cap Binding Protein Cbc1p of Yeast in mRNA Termination and Degradation. <i>Molecular and Cellular Biology</i> , 2000, 20, 2827-2838.	2.3	66
3084	Biological Function and Site II Ca <sup>2+</sup> -induced Opening of the Regulatory Domain of Skeletal Troponin C Are Impaired by Invariant Site I or II Glu Mutations. <i>Journal of Biological Chemistry</i> , 2000, 275, 35106-35115.	3.4	23
3085	The J-helix of Escherichia coli DNA Polymerase I (Klenow Fragment) Regulates Polymerase and 3'→5' Exonuclease Functions. <i>Journal of Biological Chemistry</i> , 2000, 275, 23759-23768.	3.4	17
3086	Efficient Export of the Vesicular Stomatitis Virus G Protein from the Endoplasmic Reticulum Requires a Signal in the Cytoplasmic Tail That Includes Both Tyrosine-based and Di-acidic Motifs. <i>Molecular Biology of the Cell</i> , 2000, 11, 13-22.	2.1	171
3087	Leader Proteinase of the Beet Yellows Closterovirus: Mutation Analysis of the Function in Genome Amplification. <i>Journal of Virology</i> , 2000, 74, 9766-9770.	3.4	31
3088	Precise arrangement of factor-binding sites is required for murine CD4 promoter function. <i>Nucleic Acids Research</i> , 2000, 28, 2664-2671.	14.5	12
3089	The long cytoplasmic tail of gp41 is required in a cell type-dependent manner for HIV-1 envelope glycoprotein incorporation into virions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 343-348.	7.1	229
3090	The Accessibility of a Novel Reentrant Loop of the Glutamate Transporter GLT-1 Is Restricted by Its Substrate. <i>Journal of Biological Chemistry</i> , 2000, 275, 9684-9689.	3.4	127
3091	Probing the Active Center Gorge of Acetylcholinesterase by Fluorophores Linked to Substituted Cysteines. <i>Journal of Biological Chemistry</i> , 2000, 275, 22401-22408.	3.4	25
3092	A Mutant of Tetrahymena Telomerase Reverse Transcriptase with Increased Processivity. <i>Journal of Biological Chemistry</i> , 2000, 275, 24199-24207.	3.4	82
3093	Mutation of Arginine 44 of GAT-1, a (Na <sup>+</sup> + Cl <sup>-</sup> )-coupled <sup>3</sup> H-Aminobutyric Acid Transporter from Rat Brain, Impairs Net Flux but Not Exchange. <i>Journal of Biological Chemistry</i> , 2000, 275, 34106-34113.	3.4	51
3094	Structure-Function Relationships in Yeast Tubulins. <i>Molecular Biology of the Cell</i> , 2000, 11, 1887-1903.	2.1	112
3095	Isolation and Characterization of Nonchemotactic CheZ Mutants of Escherichia coli. <i>Journal of Bacteriology</i> , 2000, 182, 3544-3552.	2.2	45
3096	Nuclear Accumulation of IE62, the Varicella-Zoster Virus (VZV) Major Transcriptional Regulatory Protein, Is Inhibited by Phosphorylation Mediated by the VZV Open Reading Frame 66 Protein Kinase. <i>Journal of Virology</i> , 2000, 74, 2265-2277.	3.4	79
3097	Genetic Evidence for an Interaction between Human Immunodeficiency Virus Type 1 Matrix and $\alpha$ -Helix 2 of the gp41 Cytoplasmic Tail. <i>Journal of Virology</i> , 2000, 74, 3548-3554.	3.4	194
3098	Characterization of P69E and P69F, Two Differentially Regulated Genes Encoding New Members of the Subtilisin-Like Proteinase Family from Tomato Plants. <i>Plant Physiology</i> , 2000, 122, 67-74.	4.8	63
3099	The C-Terminal Dilysine Motif Confers Endoplasmic Reticulum Localization to Type I Membrane Proteins in Plants. <i>Plant Cell</i> , 2000, 12, 1179-1201.	6.6	107
3100	The Effect of Cysteine Mutations on Recombinant Deacetoxycephalosporin C Synthase from <i>S. clavuligerus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 445-448.	2.1	28

#	ARTICLE	IF	CITATIONS
3101	Lysine Residues 162 and 340 Are Involved in the Catalysis and Coenzyme Binding of NADP+-Dependent Malic Enzyme from Pigeon. <i>Biochemical and Biophysical Research Communications</i> , 2000, 270, 821-825.	2.1	32
3102	Mutation of the Nucleophilic Elbow of the Lux-Specific Thioesterase from <i>Vibrio harveyi</i> . <i>Biochemical and Biophysical Research Communications</i> , 2000, 275, 704-708.	2.1	2
3103	Filamentous Growth of <i>Saccharomyces cerevisiae</i> Is Regulated by Manganese. <i>Fungal Genetics and Biology</i> , 2000, 30, 155-162.	2.1	6
3104	Construction of Transgenic Mice with Tissue-Specific Acceleration of Mitochondrial DNA Mutagenesis. <i>Genomics</i> , 2000, 69, 151-161.	2.9	123
3105	The introduction of strain and its effects on the structure and stability of T4 lysozyme. <i>Journal of Molecular Biology</i> , 2000, 295, 127-145.	4.2	50
3106	Probing a tRNA core that contributes to aminoacylation. <i>Journal of Molecular Biology</i> , 2000, 295, 777-789.	4.2	22
3107	Selection of $\hat{I}^2$ -lactamases and penicillin binding mutants from a library of phage displayed TEM-1 $\hat{I}^2$ -lactamase randomly mutated in the active site $\hat{I}^{\odot}$ -loop 1 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 2000, 295, 527-540.	4.2	35
3108	High copy display of large proteins on phage for functional selections 1 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 2000, 296, 487-495.	4.2	124
3109	Endoribonuclease RegB from bacteriophage T4 is necessary for the degradation of early but not middle or late mRNAs 1 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 2000, 297, 1063-1074.	4.2	44
3110	Mechanisms for auto-inhibition and forced product release in glycine N-methyltransferase: crystal structures of wild-type, mutant R175K and S-adenosylhomocysteine-bound R175K enzymes. <i>Journal of Molecular Biology</i> , 2000, 298, 149-162.	4.2	44
3111	Interaction of translation initiation factor IF1 with the E. coli ribosomal A site 1 1 Edited by D. E. Draper. <i>Journal of Molecular Biology</i> , 2000, 299, 1-15.	4.2	63
3112	Influence of transfer RNA tertiary structure on aminoacylation efficiency by glutamyl and cysteinyl-tRNA synthetases 1 1 Edited by J. Doudna. <i>Journal of Molecular Biology</i> , 2000, 299, 431-446.	4.2	25
3113	Core structure of the outer membrane lipoprotein from <i>Escherichia coli</i> at 1.9 Å resolution 1 1 Edited by D. Rees. <i>Journal of Molecular Biology</i> , 2000, 299, 1101-1112.	4.2	103
3114	Site-directed mutagenesis of the regulatory domain of <i>Escherichia coli</i> carbamoyl phosphate synthetase identifies crucial residues for allosteric regulation and for transduction of the regulatory signals 1 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 2000, 299, 979-991.	4.2	22
3115	Design and evolution of artificial M13 coat proteins. <i>Journal of Molecular Biology</i> , 2000, 300, 213-219.	4.2	29
3116	Host range and variability of calcium binding by surface loops in the capsids of canine and feline parvoviruses. <i>Journal of Molecular Biology</i> , 2000, 300, 597-610.	4.2	70
3117	Substitutions at the P 1 $\hat{\alpha}^2$ position in BPTI strongly affect the association energy with serine proteinases 1 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2000, 301, 205-217.	4.2	71
3118	Complementation between dimeric mutants as a probe of dimer-dimer interactions in tetrameric dihydrofolate reductase encoded by R67 plasmid of E. coli 1 1 Edited by C. R. Matthews. <i>Journal of Molecular Biology</i> , 2000, 302, 235-250.	4.2	18



#	ARTICLE	IF	CITATIONS
3119	The bicyclomycin sensitivities of 38 bicyclomycin-resistant mutants of transcription termination protein rho and the location of their mutations support a structural model of rho based on the F1 ATPase. <i>Journal of Molecular Biology</i> , 2000, 302, 565-579.	4.2	11
3120	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
3121	Expression and Purification of Histidine-Tagged Proteins from the Gram-Positive <i>Streptococcus gordonii</i> SPEX System. <i>Protein Expression and Purification</i> , 2000, 20, 112-123.	1.3	7
3122	Production of Full-Length Human Pre-elafin, an Elastase Specific Inhibitor, from Yeast Requires the Absence of a Functional Yapsin 1 (Yps1p) Endoprotease. <i>Protein Expression and Purification</i> , 2000, 20, 485-491.	1.3	30
3123	Lysine 322 in the human IgG3 CH2 domain is crucial for antibody dependent complement activation. <i>Molecular Immunology</i> , 2000, 37, 995-1004.	2.2	85
3124	C-terminal region of the cytosolic subunit p47 <sup>phox</sup> is a primary target of conformational change during the activation of leukocyte NADPH oxidase. <i>Biochimie</i> , 2000, 82, 727-732.	2.6	7
3125	Functional Analysis of the Neurofibromatosis Type 2 Protein by Means of Disease-Causing Point Mutations. <i>American Journal of Human Genetics</i> , 2000, 66, 873-891.	6.2	56
3126	Uracil incorporation into a gene targeting construct reduces the frequency of homologous and nonhomologous recombinants in human cells. <i>Mutation Research DNA Repair</i> , 2000, 461, 157-162.	3.7	0
3127	Diphtheria toxin NAD affinity and ADP ribosyltransferase activity are reduced at tryptophan 153 substitutions for alanine or phenylalanine. <i>Research in Microbiology</i> , 2000, 151, 557-562.	2.1	2
3128	Functional Recognition of the 5' Splice Site by U4/U6.U5 tri-snRNP Defines a Novel ATP-Dependent Step in Early Spliceosome Assembly. <i>Molecular Cell</i> , 2000, 6, 317-328.	9.7	111
3129	Telomerase RNA Bound by Protein Motifs Specific to Telomerase Reverse Transcriptase. <i>Molecular Cell</i> , 2000, 6, 493-499.	9.7	110
3130	Concerted Dephosphorylation of the Transcription Factor NFAT1 Induces a Conformational Switch that Regulates Transcriptional Activity. <i>Molecular Cell</i> , 2000, 6, 539-550.	9.7	418
3131	Salt shock-inducible Photosystem I cyclic electron transfer in <i>Synechocystis</i> PCC6803 relies on binding of ferredoxin:NADP <sup>+</sup> reductase to the thylakoid membranes via its CpcD phycobilisome-linker homologous N-terminal domain. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1457, 129-144.	1.0	80
3132	Membrane topology of the Na <sup>+</sup> /citrate transporter CitS of <i>Klebsiella pneumoniae</i> by insertion mutagenesis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1466, 328-338.	2.6	23
3133	Structural Basis of Presequence Recognition by the Mitochondrial Protein Import Receptor Tom20. <i>Cell</i> , 2000, 100, 551-560.	28.9	493
3134	Mirror image mutations reveal the significance of an intersubunit ion cluster in the stability of 3-isopropylmalate dehydrogenase. <i>FEBS Letters</i> , 2000, 468, 48-52.	2.8	15
3135	Observations of rotation within the FoF1-ATP synthase: deciding between rotation of the Focsubunit ring and artifact. <i>FEBS Letters</i> , 2000, 470, 244-248.	2.8	73
3136	Production of recombinant soluble human integrin $\beta 4$ . <i>FEBS Letters</i> , 2000, 471, 182-186.	2.8	10

#	ARTICLE	IF	CITATIONS
3137	Phosphorylation of Hic-5 at tyrosine 60 by CAK $\beta$ and Fyn. FEBS Letters, 2000, 474, 179-183.	2.8	34
3138	NFAT1 Enhances HIV-1 Gene Expression in Primary Human CD4 T Cells. Clinical Immunology, 2000, 94, 179-191.	3.2	115
3139	GCN4 Binds with High Affinity to DNA Sequences Containing a Single Consensus Half-Site. Biochemistry, 2000, 39, 6380-6389.	2.5	50
3140	Site-Directed Mutants of Glycogen Phosphorylase Are Altered in Their Interaction with Phosphorylase Kinase. Biochemistry, 2000, 39, 15887-15894.	2.5	5
3141	[21] Phylogenetic analysis and experimental approaches to study color vision in vertebrates. Methods in Enzymology, 2000, 315, 312-325.	1.0	50
3142	A non-canonical Lon proteinase lacking the ATPase domain employs the Ser-Lys catalytic dyad to exercise broad control over the life cycle of a double-stranded RNA virus. EMBO Journal, 2000, 19, 114-123.	7.8	170
3143	Tn10 transpososome assembly involves a folded intermediate that must be unfolded for target capture and strand transfer. EMBO Journal, 2000, 19, 776-785.	7.8	26
3144	[21] Phage display for selection of novel binding peptides. Methods in Enzymology, 2000, 328, 333-IN5.	1.0	359
3145	pS2/TFF1 interacts directly with the VWFC cysteine-rich domains of mucins. Gastroenterology, 2000, 118, 70-80.	1.3	174
3146	Analysis of the chiB gene of Serratia liquefaciens. Journal of Biotechnology, 2000, 80, 277-283.	3.8	1
3147	Structural and thermodynamic analysis of the binding of solvent at internal sites in T4 lysozyme. Protein Science, 2001, 10, 1067-1078.	7.6	44
3148	Construction of Small-Insert Libraries Enriched for Short Tandem Repeat Sequences by Marker Selection. , 2001, Chapter 2, Unit 2.2.		3
3149	Introduction of Single Base Substitutions at Homologous Chromosomal Sequences by Adeno-associated Virus Vectors. Molecular Therapy, 2001, 3, 526-530.	8.2	59
3150	Contribution of Residues A54 and L55 of the Human Insulin-like Growth Factor-II (IGF-II) A Domain to Type 2 IGF Receptor Binding Specificity. Growth Factors, 2001, 19, 163-173.	1.7	13
3151	Identification of Essential Cysteine Residues in 3-Deoxy-d-Arabinose-7-Phosphate Synthase from Corynebacterium glutamicum. Current Microbiology, 2001, 42, 426-431.	2.2	4
3152	Kinetic Mechanism and Identification of the Active Site Tyrosine Residue in Enterobacter amnigenus Arylsulfate Sulfotransferase. Biochemical and Biophysical Research Communications, 2001, 285, 526-529.	2.1	15
3153	p38: A Novel Protein That Associates with the Vesicular Stomatitis Virus Glycoprotein. Biochemical and Biophysical Research Communications, 2001, 287, 574-582.	2.1	8
3154	Homodimers of Mutant Tryptophan Synthase $\alpha$ -Subunits in Escherichia coli. Biochemical and Biophysical Research Communications, 2001, 289, 568-572.	2.1	5

#	ARTICLE	IF	CITATIONS
3155	Dual Functions for Connexins: Cx43 Regulates Growth Independently of Gap Junction Formation. <i>Experimental Cell Research</i> , 2001, 271, 238-248.	2.6	199
3156	A pH-sensitive RNA tertiary interaction affects self-cleavage activity of the HDV ribozymes in the absence of added divalent metal ion. <i>Journal of Molecular Biology</i> , 2001, 305, 1045-1055.	4.2	83
3157	Crystal structure and site-directed mutagenesis studies of N-carbamoyl-d-amino-acid amidohydrolase from <i>Agrobacterium radiobacter</i> reveals a homotetramer and insight into a catalytic cleft <sup>11</sup> Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2001, 306, 251-261.	4.2	72
3158	Thermodynamics of trimer-of-hairpins formation by the SIV gp41 envelope protein <sup>11</sup> Edited by I. B. Holland. <i>Journal of Molecular Biology</i> , 2001, 307, 637-656.	4.2	42
3159	The terminal inverted repeats of IS911: requirements for synaptic complex assembly and activity. <i>Journal of Molecular Biology</i> , 2001, 308, 853-871.	4.2	32
3160	Kinetic and crystallographic studies on deacetoxycephalosporin C synthase (DAOCS). <i>Journal of Molecular Biology</i> , 2001, 308, 937-948.	4.2	99
3161	Formation of helical hairpins during membrane protein integration into the endoplasmic reticulum membrane. Role of the N and C-terminal flanking regions <sup>1</sup> Edited by F. Cohen. <i>Journal of Molecular Biology</i> , 2001, 313, 1171-1179.	4.2	17
3162	Roles of Cytoplasmic Arginine and Threonine in Chloride Transport by the Bacteriorhodopsin Mutant D85T. <i>Biophysical Journal</i> , 2001, 80, 2386-2395.	0.5	10
3163	Comparison of Electron Paramagnetic Resonance Methods to Determine Distances between Spin Labels on Human Carbonic Anhydrase II. <i>Biophysical Journal</i> , 2001, 80, 2886-2897.	0.5	74
3164	CAK <sup>2</sup> /Pyk2 Kinase Is a Signaling Link for Induction of Long-Term Potentiation in CA1 Hippocampus. <i>Neuron</i> , 2001, 29, 485-496.	8.1	258
3165	A member of the Y-box protein family interacts with an upstream element in the $\alpha 1(I)$ collagen gene. <i>Matrix Biology</i> , 2001, 20, 527-541.	3.6	9
3166	Involvement of cyclic AMP response element binding protein (CREB) and estrogen receptor phosphorylation in the synergistic activation of the estrogen receptor by estradiol and protein kinase activators. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001, 77, 193-203.	2.5	66
3167	The Mechanism of Type IA Topoisomerase-Mediated DNA Topological Transformations. <i>Molecular Cell</i> , 2001, 7, 301-307.	9.7	48
3168	Interaction of Translation Initiation Factor 3 with the 30S Ribosomal Subunit. <i>Molecular Cell</i> , 2001, 8, 855-864.	9.7	176
3169	Proteins Are Unfolded on the Surface of the ATPase Ring before Transport into the Proteasome. <i>Molecular Cell</i> , 2001, 8, 1339-1349.	9.7	227
3170	Mutation Arg336 to Lys in <i>Saccharomyces cerevisiae</i> phosphoenolpyruvate carboxykinase originates an enzyme with increased oxaloacetate decarboxylase activity. <i>FEBS Letters</i> , 2001, 493, 1-5.	2.8	22
3171	Sites of interaction of thioredoxin with sorghum NADP-malate dehydrogenase. <i>FEBS Letters</i> , 2001, 505, 405-408.	2.8	19
3172	Transformation of acridone synthase to chalcone synthase. <i>FEBS Letters</i> , 2001, 508, 413-417.	2.8	49

#	ARTICLE	IF	CITATIONS
3173	Selective reaction of hydroxylamine with chromophore during the photocycle of pharaonis phoborhodopsin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1514, 152-158.	2.6	24
3174	Environment around the chromophore in pharaonis phoborhodopsin: mutation analysis of the retinal binding site. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1515, 92-100.	2.6	72
3175	Cdc25B Functions as a Novel Coactivator for the Steroid Receptors. <i>Molecular and Cellular Biology</i> , 2001, 21, 8056-8067.	2.3	55
3176	Identification of Catalytic and Substrate-binding Site Residues in <i>Bacillus cereus</i> ATCC7064 Oligo-1,6-glucosidase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001, 65, 2058-2064.	1.3	30
3177	Single amino acid substitution of rat MRP2 results in acquired transport activity for taurocholate. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, G1034-G1043.	3.4	36
3178	Quantification of Aromatic Hydrocarbon Receptor (AHR) and Related Genes by Calibrated Reverse Transcription-PCR in Blood Mononuclear Cells. <i>Clinical Chemistry</i> , 2001, 47, 1311-1314.	3.2	6
3179	Stabilization of Cauliflower Mosaic Virus P3 Tetramer by Covalent Linkage. <i>Microbiology and Immunology</i> , 2001, 45, 365-371.	1.4	2
3180	Cucumber mosaic virus-Plant Interactions: Identification of 3a Protein Sequences Affecting Infectivity, Cell-to-Cell Movement, and Long-distance Movement. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 378-385.	2.6	36
3181	Site-directed removal of N-glycosylation sites in BST-1/CD157: effects on molecular and functional heterogeneity. <i>Biochemical Journal</i> , 2001, 357, 385.	3.7	15
3182	Regulation of pyruvate dehydrogenase activity through phosphorylation at multiple sites. <i>Biochemical Journal</i> , 2001, 358, 69.	3.7	154
3183	Mutation of yeast Eug1p CXXS active sites to CXXC results in a dramatic increase in protein disulphide isomerase activity. <i>Biochemical Journal</i> , 2001, 358, 269.	3.7	18
3184	Local and spatial factors determining HIV-1 protease substrate recognition. <i>Biochemical Journal</i> , 2001, 358, 505.	3.7	5
3185	The corepressor CtBP interacts with Evi-1 to repress transforming growth factor $\beta$ 2 signaling. <i>Blood</i> , 2001, 97, 2815-2822.	1.4	214
3186	Interleukin-4 variant (BAY 36-1677) selectively induces apoptosis in acute lymphoblastic leukemia cells. <i>Blood</i> , 2001, 97, 752-758.	1.4	20
3187	Genetic Identification of Multiple Biological Roles Associated with the Capsid Protein of Satellite Panicum Mosaic Virus. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 21-30.	2.6	27
3189	Rotavirus assembly - interaction of surface protein VP7 with middle layer protein VP6. <i>Archives of Virology</i> , 2001, 146, 1155-1171.	2.1	6
3190	An element downstream of the transcription start site is required for activation of <i>Bombyx mori</i> nucleopolyhedrovirus bro-c promoter. <i>Archives of Virology</i> , 2001, 146, 495-506.	2.1	2
3191	Inhibition of cardiac delayed rectifier K <sup>+</sup> currents by an antisense oligodeoxynucleotide against IsK (mink) and over-expression of IsK mutant D77N in neonatal mouse hearts. <i>Pflugers Archiv European Journal of Physiology</i> , 2001, 442, 329-335.	2.8	20

#	ARTICLE	IF	CITATIONS
3192	Asymmetric interactions in the adenosine-binding pockets of the MS2 coat protein dimer. , 2001, 2, 6.		9
3193	Stable recombinant expression and characterization of the two haemophilic factor VIII variants C329S (CRM <sup>+</sup> ) and G1948D (CRM <sup>r</sup> ). British Journal of Haematology, 2001, 113, 604-615.	2.5	5
3194	Characterization of two novel mutations in the glucocorticoid receptor gene in patients with primary cortisol resistance. Clinical Endocrinology, 2001, 55, 363-371.	2.4	138
3195	Proximal cysteine residue is essential for the enzymatic activities of cytochrome P450cam. FEBS Journal, 2001, 268, 252-259.	0.2	54
3196	Design, X-ray crystallography, molecular modelling and thermal stability studies of mutant enzymes at site 172 of 3-isopropylmalate dehydrogenase from <i>Thermus thermophilus</i> . Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 225-232.	2.5	8
3197	Reconstitution of recombinant TFIIH that can mediate activator-dependent transcription. Genes To Cells, 2001, 6, 707-719.	1.2	20
3198	Mutational analysis of RsrA, a zinc-binding anti-sigma factor with a thiol-disulphide redox switch. Molecular Microbiology, 2001, 39, 1036-1047.	2.5	115
3199	Regulation of late flagellar gene transcription and cell division by flagellum assembly in <i>Caulobacter crescentus</i> . Molecular Microbiology, 2001, 41, 117-130.	2.5	31
3200	Sites of positive and negative regulation in the <i>Bacillus subtilis</i> antiterminators LicT and SacY. Molecular Microbiology, 2001, 41, 1381-1393.	2.5	54
3201	The estrogen receptor: a structure-based approach to the design of new specific hormone-receptor combinations. Chemistry and Biology, 2001, 8, 277-287.	6.0	39
3202	Involvement of multiple cis-elements in the regulation of GA responsive promoters: Definition of a new cis-element in the <i>Amy32b</i> gene promoter of barley ( <i>Hordeum vulgare</i> ). Physiologia Plantarum, 2001, 112, 211-216.	5.2	22
3203	Phosphorylation of eukaryotic initiation factor 4E (eIF4E) at Ser209 is not required for protein synthesis <i>in vitro</i> and <i>in vivo</i> . FEBS Journal, 2001, 268, 5375-5385.	0.2	79
3204	Conversion of a glutamate dehydrogenase into methionine/norleucine dehydrogenase by site-directed mutagenesis. FEBS Journal, 2001, 268, 5791-5799.	0.2	15
3205	Arginine 121 is a crucial residue for the specific cytotoxic activity of the ribotoxin $\beta$ -sarcin. FEBS Journal, 2001, 268, 6190-6196.	0.2	24
3206	Cassettes for PCR-mediated construction of green, yellow, and cyan fluorescent protein fusions in <i>Candida albicans</i> . Yeast, 2001, 18, 859-864.	1.7	189
3207	Contribution of Thr29 to the thermodynamic stability of goat $\beta$ -lactalbumin as determined by experimental and theoretical approaches. Proteins: Structure, Function and Bioinformatics, 2001, 45, 16-29.	2.6	11
3208	A Fluorometric Assay for the Determination of 1-Deoxy-xylulose 5-Phosphate Synthase Activity. Analytical Biochemistry, 2001, 296, 101-105.	2.4	26
3209	Inhibition of NF- $\kappa$ B in T cells blocks lymphoproliferation and partially rescues autoimmune disease in <i>gld/gld</i> mice. European Journal of Immunology, 2001, 31, 2612-2622.	2.9	21

#	ARTICLE	IF	CITATIONS
3210	Sequences in the 5' Leader of Mason-Pfizer Monkey Virus Which Affect Viral Particle Production and Genomic RNA Packaging: Development of MPMV Packaging Cell Lines. <i>Virology</i> , 2001, 288, 81-88.	2.4	24
3211	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 1263-1267.	2.2	1
3212	A model of dynamic side-chain-side-chain interactions in the alpha-lactalbumin molten globule. <i>Protein Science</i> , 2001, 10, 55-62.	7.6	13
3213	Amino-acid substitutions at the fully exposed P1 site of bovine pancreatic trypsin inhibitor affect its stability. <i>Protein Science</i> , 2001, 10, 715-724.	7.6	25
3214	Involvement of the amino-terminal $\beta^2$ -hairpin of the <i>Aspergillus</i> ribotoxins on the interaction with membranes and nonspecific ribonuclease activity. <i>Protein Science</i> , 2001, 10, 1658-1668.	7.6	30
3215	Non-canonical mechanism for translational control in bacteria: synthesis of ribosomal protein S1. <i>EMBO Journal</i> , 2001, 20, 4222-4232.	7.8	63
3216	Mutations in DnaA protein suppress the growth arrest of acidic phospholipid-deficient <i>Escherichia coli</i> cells. <i>EMBO Journal</i> , 2001, 20, 1164-1172.	7.8	51
3217	Expression, purification and characterization of cytochrome P450 Biol: a novel P450 involved in biotin synthesis in <i>Bacillus subtilis</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2001, 6, 523-533.	2.6	48
3218	Serine 187 is a crucial residue for allosteric regulation of <i>Corynebacterium glutamicum</i> 3-deoxy-D-arabino-heptulosonate-7-phosphate synthase. <i>FEMS Microbiology Letters</i> , 2001, 194, 59-64.	1.8	18
3219	The <i>Escherichia coli</i> orthologue of the <i>Salmonella</i> <i>ushB</i> gene ( <i>ushBc</i> ) produces neither UDP-sugar hydrolase activity nor detectable protein, but has an identical sequence to that of <i>Escherichia coli</i> <i>cdh</i> . <i>FEMS Microbiology Letters</i> , 2001, 203, 63-68.	1.8	2
3220	Transfection of annexin 1 in monocytic cells produces a high degree of spontaneous and stimulated apoptosis associated with caspase-3 activation. <i>British Journal of Pharmacology</i> , 2001, 133, 217-228.	5.4	102
3221	Single-molecule observation of protein-protein interactions in the chaperonin system. <i>Nature Biotechnology</i> , 2001, 19, 861-865.	17.5	111
3222	Inhibition of Chk1-dependent G2 DNA damage checkpoint radiosensitizes p53 mutant human cells. <i>Oncogene</i> , 2001, 20, 7453-7463.	5.9	156
3223	PDGF-D is a specific, protease-activated ligand for the PDGF $\beta^2$ -receptor. <i>Nature Cell Biology</i> , 2001, 3, 512-516.	10.3	503
3224	Active site structure of the catalase-peroxidases from <i>Mycobacterium tuberculosis</i> and <i>Escherichia coli</i> by extended X-ray absorption fine structure analysis. <i>BBA - Proteins and Proteomics</i> , 2001, 1546, 44-54.	2.1	13
3225	Differences in the pathways for unfolding and hydrogen exchange among mutants of <i>Escherichia coli</i> alkaline phosphatase. <i>BBA - Proteins and Proteomics</i> , 2001, 1545, 96-103.	2.1	2
3226	Thermostabilization of a chimeric enzyme by residue substitutions: four amino acid residues in loop regions are responsible for the thermostability of <i>Thermus thermophilus</i> isopropylmalate dehydrogenase. <i>BBA - Proteins and Proteomics</i> , 2001, 1545, 174-183.	2.1	17
3227	Ion transport and ligand binding by the Na <sup>+</sup> /K <sup>+</sup> /Cl <sup>-</sup> cotransporter, structure-function studies. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2001, 130, 487-497.	1.8	61



#	ARTICLE	IF	CITATIONS
3228	NTDB: Thermodynamic Database for Nucleic Acids. Nucleic Acids Research, 2001, 29, 230-233.	14.5	6
3229	Visualization of a Functional G1±q-Green Fluorescent Protein Fusion in Living Cells. Journal of Biological Chemistry, 2001, 276, 4227-4235.	3.4	121
3230	The Tumor-sensitive Calmodulin-like Protein Is a Specific Light Chain of Human Unconventional Myosin X. Journal of Biological Chemistry, 2001, 276, 12182-12189.	3.4	57
3231	Alteration of a Nonconserved Active Site Residue in the Chemotaxis Response Regulator CheY Affects Phosphorylation and Interaction with CheZ. Journal of Biological Chemistry, 2001, 276, 18478-18484.	3.4	36
3232	Alteration of the Co-substrate Selectivity of Deacetoxycephalosporin C Synthase. Journal of Biological Chemistry, 2001, 276, 18290-18295.	3.4	35
3233	Molecular and Cellular Physiology of the Dissociation of Atrial Natriuretic Peptide from Guanylyl Cyclase A Receptors. Journal of Biological Chemistry, 2001, 276, 36438-36445.	3.4	15
3234	Molecular Chaperones in the Yeast Endoplasmic Reticulum Maintain the Solubility of Proteins for Retrotranslocation and Degradation. Journal of Cell Biology, 2001, 153, 1061-1070.	5.2	294
3235	Cohesin-Dockerin Interactions of Cellulosomal Subunits of Clostridium cellulovorans. Journal of Bacteriology, 2001, 183, 5431-5435.	2.2	22
3236	Construction and Characterization of Mutations at Codon 751 of the Escherichia coli gyrB Gene That Confer Resistance to the Antimicrobial Peptide Microcin B17 and Alter the Activity of DNA Gyrase. Journal of Bacteriology, 2001, 183, 2137-2140.	2.2	61
3237	Structural and Functional Analysis of Interhelical Interactions in the Human Immunodeficiency Virus Type 1 gp41 Envelope Glycoprotein by Alanine-Scanning Mutagenesis. Journal of Virology, 2001, 75, 11146-11156.	3.4	76
3238	The Major Human Immunodeficiency Virus Type 2 (HIV-2) Packaging Signal Is Present on All HIV-2 RNA Species: Cotranslational RNA Encapsidation and Limitation of Gag Protein Confer Specificity. Journal of Virology, 2001, 75, 12058-12069.	3.4	82
3239	RGD Tripeptide of Bluetongue Virus VP7 Protein Is Responsible for Core Attachment to Culicoides Cells. Journal of Virology, 2001, 75, 3937-3947.	3.4	68
3240	Determination of the tyrosine phosphorylation sites in the T cell transmembrane glycoprotein CD5. International Immunology, 2001, 13, 149-156.	4.0	12
3241	Involvement of the Flavin si-Face Tyrosine on the Structure and Function of Ferredoxin-NADP+ Reductases. Journal of Biological Chemistry, 2001, 276, 44419-44426.	3.4	15
3242	Maf and Jun Nuclear Oncoproteins Share Downstream Target Genes for Inducing Cell Transformation. Journal of Biological Chemistry, 2001, 276, 36849-36856.	3.4	19
3243	Molecular and Immunological Characterization of Arginine Kinase from the Indianmeal Moth, <i>Plodia interpunctella</i> , a Novel Cross-Reactive Invertebrate Pan-Allergen. Journal of Immunology, 2001, 167, 5470-5477.	0.8	176
3244	Transcriptional Activation Domains of Human Heat Shock Factor 1 Recruit Human SWI/SNF. Molecular and Cellular Biology, 2001, 21, 5826-5837.	2.3	107
3245	Adjacent cysteine residues as a redox switch. Protein Engineering, Design and Selection, 2001, 14, 939-942.	2.1	48

#	ARTICLE	IF	CITATIONS
3246	Functional Analysis of the Cyclin-Dependent Kinase Inhibitor Pho81 Identifies a Novel Inhibitory Domain. <i>Molecular and Cellular Biology</i> , 2001, 21, 6695-6705.	2.3	44
3247	The Mouse Dystrophin Enhancer Is Regulated by MyoD, E-box-binding Factors, and by the Serum Response Factor. <i>Journal of Biological Chemistry</i> , 2001, 276, 20719-20726.	3.4	18
3248	The Transport Activity of the Na <sup>+</sup> -Ca <sup>2+</sup> -Exchanger NCX1 Expressed in HEK 293 Cells Is Sensitive to Covalent Modification of Intracellular Cysteine Residues by Sulfhydryl Reagents. <i>Journal of Biological Chemistry</i> , 2001, 276, 9572-9579.	3.4	14
3249	Characterization of uracil-DNA glycosylase activity from <i>Trypanosoma cruzi</i> and its stimulation by AP endonuclease. <i>Nucleic Acids Research</i> , 2001, 29, 1549-1555.	14.5	22
3250	Photosystem II Peripheral Accessory Chlorophyll Mutants in <i>Chlamydomonas reinhardtii</i> . <i>Biochemical Characterization and Sensitivity to Photo-Inhibition</i> . <i>Plant Physiology</i> , 2001, 127, 633-644.	4.8	23
3251	<i>Escherichia coli</i> engineered to synthesize isopentenyl diphosphate and dimethylallyl diphosphate from mevalonate: a novel system for the genetic analysis of the 2-C-methyl-d-erythritol 4-phosphate pathway for isoprenoid biosynthesis. <i>Biochemical Journal</i> , 2001, 353, 59-67.	3.7	96
3252	Substrate Specificity of Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase Phosphatase: Kinetic Studies Using Synthetic Phosphopeptides as Model Substrates. <i>Journal of Biochemistry</i> , 2001, 129, 745-753.	1.7	28
3253	Identification of Residues of the <i>Saccharomyces cerevisiae</i> G Protein-coupled Receptor Contributing to Î±-Factor Pheromone Binding. <i>Journal of Biological Chemistry</i> , 2001, 276, 37950-37961.	3.4	39
3254	PEPTIDE DISPLAY LIBRARIES: DESIGN AND CONSTRUCTION*. <i>Journal of Receptor and Signal Transduction Research</i> , 2001, 21, 469-488.	2.5	13
3255	Cloning and Nucleotide Sequence of the Pullulanase Gene of <i>Thermus thermophilus</i> HB8 and Production of the Enzyme in <i>Escherichia coli</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2001, 65, 2090-2094.	1.3	10
3256	Characterization of Fyn-mediated Tyrosine Phosphorylation Sites on GluRÎ¼2 (NR2B) Subunit of the N-Methyl-d-aspartate Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 693-699.	3.4	427
3257	Mutations in the TATA-binding Protein, Affecting Transcriptional Activation, Show Synthetic Lethality with the TAF145 Gene Lacking the TAF N-terminal Domain in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 395-405.	3.4	29
3258	Biosynthesis of 9-cis-Retinoic Acid in Vivo. <i>Journal of Biological Chemistry</i> , 2001, 276, 19253-19258.	3.4	20
3259	Dependence of the Bi-functional Nature of a Sialyltransferase from <i>Neisseria meningitidis</i> on a Single Amino Acid Substitution. <i>Journal of Biological Chemistry</i> , 2001, 276, 12785-12790.	3.4	44
3260	Biochemical Defects in 11-cis-Retinol Dehydrogenase Mutants Associated with Fundus Albipunctatus. <i>Journal of Biological Chemistry</i> , 2001, 276, 49251-49257.	3.4	31
3261	<i>Yersinia enterocolitica</i> YopP-induced Apoptosis of Macrophages Involves the Apoptotic Signaling Cascade Upstream of Bid. <i>Journal of Biological Chemistry</i> , 2001, 276, 19706-19714.	3.4	115
3262	Role of Arg-166 in Yeast Cytochrome c1. <i>Journal of Biological Chemistry</i> , 2001, 276, 18450-18456.	3.4	5
3263	Phosphorylation and Nuclear Translocation of a Regulator of G Protein Signaling (RGS10). <i>Journal of Biological Chemistry</i> , 2001, 276, 32828-32834.	3.4	90

#	ARTICLE	IF	CITATIONS
3264	Translational Repression and Specific RNA Binding by the Coat Protein of the Pseudomonas Phage PP7. <i>Journal of Biological Chemistry</i> , 2001, 276, 22507-22513.	3.4	80
3265	Walker A Lysine Mutations of TAP1 and TAP2 Interfere with Peptide Translocation but Not Peptide Binding. <i>Journal of Biological Chemistry</i> , 2001, 276, 7526-7533.	3.4	65
3266	The ATPase Domain of hsp70 Possesses a Unique Binding Specificity for 3- $\alpha$ -Sulfogalactolipids. <i>Journal of Biological Chemistry</i> , 2001, 276, 449-456.	3.4	74
3267	Role of ptsO in Carbon-Mediated Inhibition of the Pu Promoter Belonging to the pWW0 Pseudomonas putida Plasmid. <i>Journal of Bacteriology</i> , 2001, 183, 5128-5133.	2.2	45
3268	The principle of delivery of T cell epitopes to antigen-presenting cells applied to peptides from influenza virus, ovalbumin, and hen egg lysozyme: Implications for peptide vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 10296-10301.	7.1	41
3269	A Set of Hox Proteins Interact with the Maf Oncoprotein to Inhibit Its DNA Binding, Transactivation, and Transforming Activities. <i>Journal of Biological Chemistry</i> , 2001, 276, 819-826.	3.4	65
3270	Interaction of Human Pancreatic Ribonuclease with Human Ribonuclease Inhibitor. <i>Journal of Biological Chemistry</i> , 2001, 276, 24978-24984.	3.4	54
3271	Regulation of the Aldehyde Dehydrogenase Gene (aldA) and Its Role in the Control of the Coinducer Level Necessary for Induction of the Ethanol Utilization Pathway in <i>Aspergillus nidulans</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 6950-6958.	3.4	61
3272	A Novel Upstream RNA Polymerase III Promoter Element Becomes Essential When the Chromatin Structure of the Yeast U6 RNA Gene Is Altered. <i>Molecular and Cellular Biology</i> , 2001, 21, 6429-6439.	2.3	33
3273	Genetic and Biochemical Analysis of the Yeast Plasma Membrane Ssy1p-Ptr3p-Ssy5p Sensor of Extracellular Amino Acids. <i>Molecular and Cellular Biology</i> , 2001, 21, 814-826.	2.3	141
3274	The Staphylococcal QacR Multidrug Regulator Binds a Correctly Spaced Operator as a Pair of Dimers. <i>Journal of Bacteriology</i> , 2001, 183, 7102-7109.	2.2	82
3275	Adaptation of a thermophilic enzyme, 3-isopropylmalate dehydrogenase, to low temperatures. <i>Protein Engineering, Design and Selection</i> , 2001, 14, 85-91.	2.1	41
3276	Increasing the thermostability of <i>Flavobacterium meningosepticum</i> glycerol kinase by changing Ser329 to Asp in the subunit interface region. <i>Protein Engineering, Design and Selection</i> , 2001, 14, 663-667.	2.1	10
3277	Tolerance of point substitution of methionine for isoleucine in hen egg white lysozyme. <i>Protein Engineering, Design and Selection</i> , 2001, 14, 421-425.	2.1	33
3278	Insulin Receptor-mediated p62dok Tyrosine Phosphorylation at Residues 362 and 398 Plays Distinct Roles for Binding GTPase-activating Protein and Nck and Is Essential for Inhibiting Insulin-stimulated Activation of Ras and Akt. <i>Journal of Biological Chemistry</i> , 2001, 276, 42843-42850.	3.4	56
3279	Integrin $\alpha$ 5 $\beta$ 3/Vitronectin Interaction Affects Expression of the Urokinase System in Human Ovarian Cancer Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 26340-26348.	3.4	59
3280	Rational design of a bacterial transcriptional cascade for amplifying gene expression capacity. <i>Nucleic Acids Research</i> , 2001, 29, 759-766.	14.5	36
3281	Topological and Mutational Analysis of <i>Saccharomyces cerevisiae</i> Ste14p, Founding Member of the Isoprenylcysteine Carboxyl Methyltransferase Family. <i>Molecular Biology of the Cell</i> , 2001, 12, 1957-1971.	2.1	70

#	ARTICLE	IF	CITATIONS
3282	Two Active Site Asparagines Are Essential for the Reaction Mechanism of the Class III Anaerobic Ribonucleotide Reductase from Bacteriophage T4. <i>Journal of Biological Chemistry</i> , 2001, 276, 40457-40463.	3.4	11
3283	Skp1p and the F-Box Protein Rcy1p Form a Non-SCF Complex Involved in Recycling of the SNARE Snc1p in Yeast. <i>Molecular and Cellular Biology</i> , 2001, 21, 3105-3117.	2.3	157
3284	Electrostatic control of half-site spacing preferences by the cyclic AMP response element-binding protein CREB. <i>Nucleic Acids Research</i> , 2001, 29, 3311-3319.	14.5	11
3285	Acetylcholinesterase H and T Dimers Are Associated through the Same Contact. <i>Journal of Biological Chemistry</i> , 2001, 276, 37379-37389.	3.4	36
3286	Mode of DNA-protein interaction between the C-terminal domain of Escherichia coli RNA polymerase alpha subunit and T7D promoter UP element. <i>Nucleic Acids Research</i> , 2001, 29, 4909-4919.	14.5	16
3287	DjlA Is a Third DnaK Co-chaperone of Escherichia coli, and DjlA-mediated Induction of Colanic Acid Capsule Requires DjlA-DnaK Interaction. <i>Journal of Biological Chemistry</i> , 2001, 276, 7906-7912.	3.4	61
3288	Chemical inhibition of the Pho85 cyclin-dependent kinase reveals a role in the environmental stress response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12578-12583.	7.1	120
3289	N-terminal Domains of the Class IA Phosphoinositide 3-Kinase Regulatory Subunit Play a Role in Cytoskeletal but Not Mitogenic Signaling. <i>Journal of Biological Chemistry</i> , 2001, 276, 16374-16378.	3.4	24
3290	Conversion of Glu-Plasminogen to Lys-Plasminogen Is Necessary for Optimal Stimulation of Plasminogen Activation on the Endothelial Cell Surface. <i>Journal of Biological Chemistry</i> , 2001, 276, 19078-19083.	3.4	58
3291	Structural Evidence for Entropic Contribution of Salt Bridge Formation to a Protein Antigen-Antibody Interaction. <i>Journal of Biological Chemistry</i> , 2001, 276, 23042-23050.	3.4	36
3292	Cnr interferes with dimerization of the replication protein alpha in phage-plasmid P4. <i>Nucleic Acids Research</i> , 2001, 29, 536-544.	14.5	5
3293	Disulfide Bond Formation in Secretion Component Pulk Provides a Possible Explanation for the Role of DsbA in Pullulanase Secretion. <i>Journal of Bacteriology</i> , 2001, 183, 1312-1319.	2.2	33
3294	Mutational Analysis of Two Putative Catalytic Motifs of the Type IV Restriction Endonuclease Eco57I. <i>Journal of Biological Chemistry</i> , 2001, 276, 10492-10497.	3.4	12
3295	Stabilization but Not the Transcriptional Activity of Herpes Simplex Virus VP16-Induced Complexes Is Evolutionarily Conserved among HCF Family Members. <i>Journal of Virology</i> , 2001, 75, 12402-12411.	3.4	19
3296	Temporal Regulation of Genes Encoding the Flagellar Proximal Rod in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2001, 183, 725-735.	2.2	17
3297	Inhibition of Cell Migration by 24-kDa Fibroblast Growth Factor-2 Is Dependent upon the Estrogen Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 3963-3970.	3.4	17
3298	Requirement for Yeast TAF145 Function in Transcriptional Activation of the RPS5 Promoter That Depends on Both Core Promoter Structure and Upstream Activating Sequences. <i>Journal of Biological Chemistry</i> , 2001, 276, 25715-25726.	3.4	19
3299	Induction of a type 1 regulatory CD4 T cell response following Vî28.2 DNA vaccination results in immune deviation and protection from experimental autoimmune encephalomyelitis. <i>International Immunology</i> , 2001, 13, 835-841.	4.0	33

#	ARTICLE	IF	CITATIONS
3300	Multifaceted Physiological Response Allows Yeast to Adapt to the Loss of the Signal Recognition Particle-dependent Protein-targeting Pathway. <i>Molecular Biology of the Cell</i> , 2001, 12, 577-588.	2.1	84
3301	Coupled, but Not Uncoupled, Fluxes in a Neuronal Glutamate Transporter Can Be Activated by Lithium Ions. <i>Journal of Biological Chemistry</i> , 2001, 276, 40396-40401.	3.4	55
3302	Inhibition of Protein Translocation across the Endoplasmic Reticulum Membrane by Sterols. <i>Journal of Biological Chemistry</i> , 2001, 276, 41748-41754.	3.4	63
3303	His-391 of $\beta$ -galactosidase ( <i>Escherichia coli</i> ) promotes catalysis by strong interactions with the transition state. <i>Biochemistry and Cell Biology</i> , 2001, 79, 183-193.	2.0	22
3304	Folding Problems of the 5' Splice Site Containing the P1 Stem of the Group I Thymidylate Synthase Intron. <i>Journal of Biological Chemistry</i> , 2002, 277, 17987-17993.	3.4	25
3305	Regulation of cAMP-dependent Protein Kinase Activity by Glutathionylation. <i>Journal of Biological Chemistry</i> , 2002, 277, 43505-43511.	3.4	159
3306	Membrane Protein Topology of Oleosin Is Constrained by Its Long Hydrophobic Domain. <i>Journal of Biological Chemistry</i> , 2002, 277, 8602-8610.	3.4	50
3307	The Proton Channel of the Energy-transducing Nicotinamide Nucleotide Transhydrogenase of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 33670-33675.	3.4	20
3308	KFERQ Sequence in Ribonuclease A-mediated Cytotoxicity. <i>Journal of Biological Chemistry</i> , 2002, 277, 11576-11581.	3.4	36
3309	The role of template-primer in protection of reverse transcriptase from thermal inactivation. <i>Nucleic Acids Research</i> , 2002, 30, 3118-3129.	14.5	80
3310	Stabilization of <i>Flavobacterium meningosepticum</i> Glycerol Kinase by Introduction of a Hydrogen Bond. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 1374-1377.	1.3	5
3311	Effect of Metal Binding on the Structural Stability of Pigeon Liver Malic Enzyme. <i>Journal of Biological Chemistry</i> , 2002, 277, 4663-4671.	3.4	20
3312	Stabilization of the Soluble, Cleaved, Trimeric Form of the Envelope Glycoprotein Complex of Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 2002, 76, 8875-8889.	3.4	424
3313	Functional Analysis of the <i>Erwinia herbicola</i> <i>tutB</i> Gene and Its Product. <i>Journal of Bacteriology</i> , 2002, 184, 3135-3141.	2.2	10
3314	The Carboxyl-terminal Domains of IgA and IgM Direct Isotype-specific Polymerization and Interaction with the Polymeric Immunoglobulin Receptor. <i>Journal of Biological Chemistry</i> , 2002, 277, 42755-42762.	3.4	58
3315	Probing protein conformational changes in living cells by using designer binding proteins: Application to the estrogen receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1253-1258.	7.1	127
3316	Binding sites of different geometries for the 16-3 phage repressor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8790-8795.	7.1	12
3317	Site-specific Loss of Acetylation upon Phosphorylation of Histone H3. <i>Journal of Biological Chemistry</i> , 2002, 277, 29496-29502.	3.4	98

#	ARTICLE	IF	CITATIONS
3318	Residues in the First Extracellular Loop of a G Protein-coupled Receptor Play a Role in Signal Transduction. <i>Journal of Biological Chemistry</i> , 2002, 277, 30581-30590.	3.4	31
3319	Autocatalytic Processing of $\hat{3}$ -Glutamyltranspeptidase. <i>Journal of Biological Chemistry</i> , 2002, 277, 43536-43543.	3.4	126
3320	DNA Ligase III Is Degraded by Calpain during Cell Death Induced by DNA-damaging Agents. <i>Journal of Biological Chemistry</i> , 2002, 277, 26673-26680.	3.4	24
3321	Optimization of trans-splicing ribozyme efficiency and specificity by in vivo genetic selection. <i>Nucleic Acids Research</i> , 2002, 30, 141e-141.	14.5	26
3322	Increasing the Affinity of a Human IgG1 for the Neonatal Fc Receptor: Biological Consequences. <i>Journal of Immunology</i> , 2002, 169, 5171-5180.	0.8	307
3323	Combinatorial mutagenesis to restrict amino acid usage in an enzyme to a reduced set. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13549-13553.	7.1	85
3324	Identification of Active-Site Amino Acid Residues in the Chiba Virus 3C-Like Protease. <i>Journal of Virology</i> , 2002, 76, 5949-5958.	3.4	48
3325	Receptor-mediated endoproteolytic activation of two transcription factors in yeast. <i>Genes and Development</i> , 2002, 16, 3158-3172.	5.9	109
3326	Nonlinear partial differential equations and applications: Early stages of energy transduction by myosin: Roles of Arg in Switch I, of Glu in Switch II, and of the salt-bridge between them. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15339-15344.	7.1	36
3327	Adenosine Monophosphoramidase Activity of Hint and Hnt1 Supports Function of Kin28, Ccl1, and Tfb3. <i>Journal of Biological Chemistry</i> , 2002, 277, 10852-10860.	3.4	104
3328	A Conserved Motif Common to the Histone Acetyltransferase Esa1 and the Histone Deacetylase Rpd3. <i>Journal of Biological Chemistry</i> , 2002, 277, 35688-35695.	3.4	17
3329	Mechanism of Gonadotropin Gene Expression. <i>Journal of Biological Chemistry</i> , 2002, 277, 40235-40246.	3.4	4
3330	Deletion of the NH2-terminal $\hat{2}$ -Hairpin of the Ribotoxin $\hat{1}\pm$ -Sarcin Produces a Nontoxic but Active Ribonuclease. <i>Journal of Biological Chemistry</i> , 2002, 277, 18632-18639.	3.4	48
3331	Characterization of comQ and comX, Two Genes Required for Production of ComX Pheromone in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2002, 184, 410-419.	2.2	122
3332	cis -Acting Sequences 5E, M, and 3E Interact To Contribute to Primer Translocation and Circularization during Reverse Transcription of Avian Hepadnavirus DNA. <i>Journal of Virology</i> , 2002, 76, 4260-4266.	3.4	16
3333	Identification of a Multifunctional Domain in Autonomously Replicating Sequence-Binding Factor 1 Required for Transcriptional Activation, DNA Replication, and Gene Silencing. <i>Molecular and Cellular Biology</i> , 2002, 22, 505-516.	2.3	38
3334	Mutations That Destabilize the gp41 Core Are Determinants for Stabilizing the Simian Immunodeficiency Virus-CPmac Envelope Glycoprotein Complex. <i>Journal of Biological Chemistry</i> , 2002, 277, 12891-12900.	3.4	15
3335	F0 of ATP Synthase Is a Rotary Proton Channel. <i>Journal of Biological Chemistry</i> , 2002, 277, 13281-13285.	3.4	83



#	ARTICLE	IF	CITATIONS
3336	Substitution of the Autophosphorylation Site Thr516 with a Negatively Charged Residue Confers Constitutive Activity to Mouse 3-Phosphoinositide-dependent Protein Kinase-1 in Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 16632-16638.	3.4	40
3337	Cleavage Properties of an Archaeal Site-specific Recombinase, the SSV1 Integrase. <i>Journal of Biological Chemistry</i> , 2002, 277, 16758-16767.	3.4	35
3338	Redundant Mitochondrial Targeting Signals in Yeast Adenylate Kinase. <i>Journal of Biological Chemistry</i> , 2002, 277, 28757-28764.	3.4	18
3339	Functional Promiscuity of Squirrel Monkey Growth Hormone Receptor Toward both Primate and Nonprimate Growth Hormones. <i>Molecular Biology and Evolution</i> , 2002, 19, 1083-1092.	8.9	27
3340	Alteration of amino acids in VP2 of very virulent infectious bursal disease virus results in tissue culture adaptation and attenuation in chickens. <i>Journal of General Virology</i> , 2002, 83, 121-129.	2.9	121
3341	Role of the C-terminal YG repeats of the primer-dependent streptococcal glucosyltransferase, GtfI, in binding to dextran and mutan. <i>Microbiology (United Kingdom)</i> , 2002, 148, 549-558.	1.8	23
3342	Identification of Sec36p, Sec37p, and Sec38p: Components of Yeast Complex That Contains Sec34p and Sec35p. <i>Molecular Biology of the Cell</i> , 2002, 13, 1484-1500.	2.1	95
3343	Scd5p and Clathrin Function Are Important for Cortical Actin Organization, Endocytosis, and Localization of Sla2p in Yeast. <i>Molecular Biology of the Cell</i> , 2002, 13, 2607-2625.	2.1	57
3344	Gpa2, a G-Protein $\hat{1}\pm$ Subunit Required for Hyphal Development in <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2002, 1, 865-874.	3.4	47
3345	Functional interaction between TATA and upstream CACGTG elements regulates the temporally specific expression of Otx mRNAs during early embryogenesis of the sea urchin, <i>Hemicentrotus pulcherrimus</i> . <i>Nucleic Acids Research</i> , 2002, 30, 3034-3044.	14.5	6
3346	Competition of Spontaneous Protein Folding and Mitochondrial Import Causes Dual Subcellular Location of Major Adenylate Kinase. <i>Molecular Biology of the Cell</i> , 2002, 13, 1439-1448.	2.1	53
3347	Structure of the Plant Alternative Oxidase. <i>Journal of Biological Chemistry</i> , 2002, 277, 1190-1194.	3.4	67
3348	Randomization of the Entire Active-site Helix $\hat{1}\pm 1$ of the Thiol-disulfide Oxidoreductase DsbA from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 43050-43057.	3.4	12
3349	Kinetic Analysis of M2 Muscarinic Receptor Activation of Gi in Sf9 Insect Cell Membranes. <i>Journal of Biological Chemistry</i> , 2002, 277, 922-931.	3.4	13
3350	An engineered IN-1 Fab fragment with improved affinity for the Nogo-A axonal growth inhibitor permits immunochemical detection and shows enhanced neutralizing activity. <i>Protein Engineering, Design and Selection</i> , 2002, 15, 931-941.	2.1	55
3351	Dynamic Equilibrium between Coupled and Uncoupled Modes of a Neuronal Glutamate Transporter. <i>Journal of Biological Chemistry</i> , 2002, 277, 13501-13507.	3.4	59
3352	DNA Binding of PriA Protein Requires Cooperation of the N-terminal D-loop/Arrested-fork Binding and C-terminal Helicase Domains. <i>Journal of Biological Chemistry</i> , 2002, 277, 38062-38071.	3.4	41
3353	The Conserved Active Site Asparagine in Class I Ribonucleotide Reductase Is Essential for Catalysis. <i>Journal of Biological Chemistry</i> , 2002, 277, 5749-5755.	3.4	22

#	ARTICLE	IF	CITATIONS
3354	Proximity of Two Oppositely Oriented Reentrant Loops in the Glutamate Transporter GLT-1 Identified by Paired Cysteine Mutagenesis. <i>Journal of Biological Chemistry</i> , 2002, 277, 3985-3992.	3.4	68
3355	Systematic Structure-Function Analysis of the Small GTPase Arf1 in Yeast. <i>Molecular Biology of the Cell</i> , 2002, 13, 1652-1664.	2.1	15
3356	Utilization of a Novel Recombinant Myoglobin Fusion Protein Expression System to Characterize the Tissue Inhibitor of Metalloproteinase (TIMP)-4 and TIMP-2 C-terminal Domain and Tails by Mutagenesis. <i>Journal of Biological Chemistry</i> , 2002, 277, 48696-48707.	3.4	31
3357	Cysteine-scanning Mutagenesis Reveals a Conformationally Sensitive Reentrant Pore-Loop in the Glutamate Transporter GLT-1. <i>Journal of Biological Chemistry</i> , 2002, 277, 26074-26080.	3.4	61
3358	Rubredoxins Involved in Alkane Oxidation. <i>Journal of Bacteriology</i> , 2002, 184, 1722-1732.	2.2	95
3359	Identification of Residues Essential for Carbohydrate Recognition by the Insulin-like Growth Factor II/Mannose 6-Phosphate Receptor. <i>Journal of Biological Chemistry</i> , 2002, 277, 11255-11264.	3.4	54
3360	Analysis of the role of <i>Caenorhabditis elegans</i> GC-AG introns in regulated splicing. <i>Nucleic Acids Research</i> , 2002, 30, 3360-3367.	14.5	47
3361	Cold-adaptation mechanism of mutant enzymes of 3-isopropylmalate dehydrogenase from <i>Thermus thermophilus</i> . <i>Protein Engineering, Design and Selection</i> , 2002, 15, 471-476.	2.1	6
3362	N4WBP5, a Potential Target for Ubiquitination by the Nedd4 Family of Proteins, Is a Novel Golgi-associated Protein. <i>Journal of Biological Chemistry</i> , 2002, 277, 9307-9317.	3.4	106
3363	Catalytic Mechanism of S-Adenosylhomocysteine Hydrolase. <i>Journal of Biological Chemistry</i> , 2002, 277, 22670-22676.	3.4	48
3364	Catalysis-Linked Inactivation of Fluoroacetate Dehalogenase by Ammonia: A Novel Approach to Probe the Active-Site Environment. <i>Journal of Biochemistry</i> , 2002, 131, 671-677.	1.7	11
3365	Fusion of two distinct peptide exosite inhibitors of Factor VIIa. <i>Biochemical Journal</i> , 2002, 363, 387.	3.7	12
3366	The terminal six amino-acids of the carboxy cytoplasmic tail of CD36 contain a functional domain implicated in the binding and capture of oxidized low-density lipoprotein. <i>Biochemical Journal</i> , 2002, 364, 507-515.	3.7	21
3367	S <sup>2</sup> substrate specificity and the role of His110 and His111 in the exopeptidase activity of human cathepsin B. <i>Biochemical Journal</i> , 2002, 361, 613.	3.7	38
3368	Pheromone-Related Inhibitors of <i>Ustilago hordei</i> Mating and <i>Tilletia tritici</i> Teliospore Germination. <i>Phytopathology</i> , 2002, 92, 210-216.	2.2	4
3369	Photochemical Hole Burning in Nanostructured Polymers.. <i>Kobunshi Ronbunshu</i> , 2002, 59, 725-733.	0.2	0
3370	Dual function of the tRNA(m <sup>5</sup> U54)methyltransferase in tRNA maturation. <i>Rna</i> , 2002, 8, 324-335.	3.5	74
3371	Mutational Analysis of the Conserved Cysteines of the Rat P2X <sub>2</sub> Purinoceptor. <i>Journal of Neuroscience</i> , 2002, 22, 3873-3880.	3.6	91

#	ARTICLE	IF	CITATIONS
3372	Distinct functions of <i>S. pombe</i> Rec12 (Spo11) protein and Rec12-dependent crossover recombination (chiasmata) in meiosis I; and a requirement for Rec12 in meiosis II. <i>Cell &amp; Chromosome</i> , 2002, 1, 1.	2.0	62
3373	Tsg101, an Inactive Homologue of Ubiquitin Ligase E2, Interacts Specifically with Human Immunodeficiency Virus Type 2 Gag Polyprotein and Results in Increased Levels of Ubiquitinated Gag. <i>Journal of Virology</i> , 2002, 76, 11226-11235.	3.4	58
3374	Expression and Molecular Analysis of the ArabidopsisDXR Gene Encoding 1-Deoxy-d-Xylulose 5-Phosphate Reductoisomerase, the First Committed Enzyme of the 2-C-Methyl-d-Erythritol 4-Phosphate Pathway. <i>Plant Physiology</i> , 2002, 129, 1581-1591.	4.8	203
3375	Albumin Binding as a General Strategy for Improving the Pharmacokinetics of Proteins. <i>Journal of Biological Chemistry</i> , 2002, 277, 35035-35043.	3.4	412
3376	Characterization of activating region 3 from <i>Escherichia coli</i> FNR. <i>Journal of Molecular Biology</i> , 2002, 315, 275-283.	4.2	24
3377	Prevention of mis-aminoacylation of a dual-specificity aminoacyl-tRNA synthetase. <i>Journal of Molecular Biology</i> , 2002, 315, 943-949.	4.2	10
3378	<i>Msx2</i> Expression in the Apical Ectoderm Ridge Is Regulated by an <i>Msx2</i> and <i>Dlx5</i> Binding Site. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 955-961.	2.1	5
3379	Active Site Mutations of Recombinant Deacetoxycephalosporin C Synthase. <i>Biochemical and Biophysical Research Communications</i> , 2002, 292, 66-70.	2.1	20
3380	Role of Tryptophan Hydroxylase Phe313 in Determining Substrate Specificity. <i>Biochemical and Biophysical Research Communications</i> , 2002, 292, 639-641.	2.1	18
3381	Selected Topics from Classical Bacterial Genetics. <i>Current Protocols in Molecular Biology</i> , 2002, 59, Unit 1.4.	2.9	9
3382	Functional Characterization of Coding Polymorphisms in the HumanMDR1 Gene Using a Vaccinia Virus Expression System. <i>Molecular Pharmacology</i> , 2002, 62, 1-6.	2.3	154
3383	A Mutational Analysis of the Globotriaosylceramide-binding Sites of Verotoxin VT1. <i>Journal of Biological Chemistry</i> , 2002, 277, 5351-5359.	3.4	90
3384	Stimulation of Ca <sup>2+</sup> /calmodulin-dependent protein kinase phosphatase by polycations. <i>Archives of Biochemistry and Biophysics</i> , 2002, 408, 229-238.	3.0	18
3385	Long-range effects on the binding of the influenza HA to receptors are mediated by changes in the stability of a metastable HA conformation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1565, 81-90.	2.6	7
3386	Role of cis prolines 112 and 126 in the functional activity of ribonucleolytic toxin restrictocin. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 812-817.	2.1	3
3387	Enhancing oxidative resistance of <i>Agrobacterium radiobacter</i> N-carbamoyl d-amino acid amidohydrolase by engineering solvent-accessible methionine residues. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 282-287.	2.1	16
3388	Glycine 38 is crucial for the ribonucleolytic activity of human pancreatic ribonuclease on double-stranded RNA. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 390-395.	2.1	7
3389	Identification of the ice-binding face of antifreeze protein from <i>Tenebrio molitor</i> . <i>FEBS Letters</i> , 2002, 529, 261-267.	2.8	66

#	ARTICLE	IF	CITATIONS
3390	Mutations affecting phosphorylation, ubiquitination and turnover of the ABC-transporter Ste6. FEBS Letters, 2002, 531, 548-552.	2.8	17
3391	Knowledge-based Design of Reagentless Fluorescent Biosensors from Recombinant Antibodies. Journal of Molecular Biology, 2002, 318, 429-442.	4.2	71
3392	Core Side-chain Packing and Backbone Conformation in Lpp-56 Coiled-coil Mutants. Journal of Molecular Biology, 2002, 318, 877-888.	4.2	19
3393	Comprehensive Functional Maps of the Antigen-binding Site of an Anti-ErbB2 Antibody Obtained with Shotgun Scanning Mutagenesis. Journal of Molecular Biology, 2002, 320, 415-428.	4.2	111
3394	Proton Translocation by Bacteriorhodopsin in the Absence of Substantial Conformational Changes. Journal of Molecular Biology, 2002, 319, 555-565.	4.2	36
3395	A Minimized M13 Coat Protein Defines the Requirements for Assembly into the Bacteriophage Particle. Journal of Molecular Biology, 2002, 322, 357-367.	4.2	37
3396	A Model Binding Site for Testing Scoring Functions in Molecular Docking. Journal of Molecular Biology, 2002, 322, 339-355.	4.2	212
3397	Structure of Domain III of the Blood-stage Malaria Vaccine Candidate, Plasmodium falciparum Apical Membrane Antigen 1 (AMA1). Journal of Molecular Biology, 2002, 322, 741-753.	4.2	89
3398	Chaperone-independent Folding of Type 1 Pilus Domains. Journal of Molecular Biology, 2002, 322, 827-840.	4.2	47
3399	Only amyloidogenic intermediates of transthyretin induce apoptosis. Biochemical and Biophysical Research Communications, 2002, 294, 309-314.	2.1	108
3400	Increasing Protein Stability by Polar Surface Residues: Domain-Wide Consequences of Interactions Within a Loop. Biophysical Journal, 2002, 82, 391-398.	0.5	39
3401	PRiMA. Neuron, 2002, 33, 275-285.	8.1	233
3402	Targeting of tRNA into yeast and human mitochondria: the role of anticodon nucleotides. Mitochondrion, 2002, 2, 95-107.	3.4	18
3403	The carboxy-terminal domain of the XPC protein plays a crucial role in nucleotide excision repair through interactions with transcription factor IIH. DNA Repair, 2002, 1, 449-461.	2.8	82
3404	Cbfa1 does not regulate RANKL gene activity in stromal/osteoblastic cells. Bone, 2002, 30, 453-462.	2.9	55
3405	Role of transfection in the priming of cytotoxic T-cells by DNA-mediated immunization*1. Vaccine, 2002, 20, 3137-3147.	3.8	21
3406	Insulin receptor tyrosine kinase activity and phosphorylation of tyrosines 1162 and 1163 are required for insulin-increased prolactin gene expression. Molecular and Cellular Endocrinology, 2002, 186, 7-16.	3.2	15
3407	Site-Directed Mutagenesis Facilitated by DpnI Selection on Hemimethylated DNA. , 2002, 182, 19-27.		17

#	ARTICLE	IF	CITATIONS
3408	The cytoplasmic domain of Mpl receptor transduces exclusive signals in embryonic and fetal hematopoietic cells. <i>Blood</i> , 2002, 100, 2063-2070.	1.4	8
3409	Nuclear Translocation of Cell Adhesion Kinase .BETA./Proline-rich Tyrosine Kinase 2.. <i>Cell Structure and Function</i> , 2002, 27, 47-61.	1.1	45
3410	Identification of Domains Directing Specificity of Coupling to G-proteins for the Melanocortin MC3 and MC4 Receptors. <i>Journal of Biological Chemistry</i> , 2002, 277, 31310-31317.	3.4	37
3411	Repeat Analysis Pooled Isolation and Detection (RAPID) Cloning of Microsatellite Expansions. , 2003, 217, 61-72.		0
3412	Oxygen and nitrate-dependent regulation of dmsABC operon expression in <i>Escherichia coli</i> : sites for Fnr and NarL protein interactions. <i>BMC Microbiology</i> , 2002, 2, 13.	3.3	30
3413	Pseudouridylation of U35 in the anticodon of <i>Arabidopsis thaliana</i> pre-tRNA <sup>Tyr</sup> depends on length rather than structure of an intron. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1574, 137-144.	2.4	4
3414	Analysis by systematic deletion of amino acids of the action of the ribotoxin restrictocin. <i>BBA - Proteins and Proteomics</i> , 2002, 1594, 115-126.	2.1	14
3415	Cloning, expression and mutagenesis of a subunit contact of rabbit muscle-specific (Î²Î²) enolase. <i>BBA - Proteins and Proteomics</i> , 2002, 1597, 311-319.	2.1	3
3416	Crystal Structure of Î²-Helical Antifreeze Protein Points to a General Ice Binding Model. <i>Structure</i> , 2002, 10, 619-627.	3.3	108
3417	Asp238â†Asn Creates a Novel ConsensusN-Glycosylation Site in <i>Aspergillus awamori</i> Glucoamylase. <i>Starch/Staerke</i> , 2002, 54, 385-392.	2.1	1
3418	Dissecting the Streptavidin-Biotin Interaction by Phage-Displayed Shotgun Scanning. <i>ChemBioChem</i> , 2002, 3, 1229-1234.	2.6	29
3419	Overexpression of alcohol dehydrogenase or pyruvate decarboxylase improves growth of hairy roots at reduced oxygen concentrations. <i>Biotechnology and Bioengineering</i> , 2002, 77, 455-461.	3.3	54
3420	Transcriptional regulation of gene expression by the coding sequence: An attempt to enhance expression of human AChE. <i>Biotechnology and Bioengineering</i> , 2002, 80, 490-497.	3.3	5
3421	The deubiquitinating enzyme Ubp21p of fission yeast stabilizes a mutant form of protein kinase Prp4p. <i>Molecular Genetics and Genomics</i> , 2002, 267, 88-95.	2.1	7
3422	Ubiquitin-Independent Entry into the Yeast Recycling Pathway. <i>Traffic</i> , 2002, 3, 110-123.	2.7	52
3423	<i>Saccharomyces cerevisiae</i> phosphoenolpyruvate carboxykinase: theoretical and experimental study of the effect of glutamic acid 284 on the protonation state of lysine 213. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2002, 1599, 65-71.	2.3	7
3424	Contribution of hydrophobic residues to ice binding by fish type III antifreeze protein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2002, 1601, 49-54.	2.3	71
3425	<i>Lactococcus lactis</i> phage operon coding for an endonuclease homologous to RuvC. <i>Molecular Microbiology</i> , 2002, 28, 823-834.	2.5	35

#	ARTICLE	IF	CITATIONS
3426	<i>Escherichia coli</i> DipZ: anatomy of a transmembrane protein disulphide reductase in which three pairs of cysteine residues, one in each of three domains, contribute differentially to function. <i>Molecular Microbiology</i> , 2002, 35, 1360-1374.	2.5	50
3427	The <i>Neurospora</i> circadian clock regulates a transcription factor that controls rhythmic expression of the output <i>eas(ccg-2)</i> gene. <i>Molecular Microbiology</i> , 2002, 41, 897-909.	2.5	16
3428	Systematic mutational analysis of the amino-terminal domain of the <i>Listeria monocytogenes</i> ActA protein reveals novel functions in actin-based motility. <i>Molecular Microbiology</i> , 2002, 42, 1163-1177.	2.5	33
3429	Yeast Rio1p is the founding member of a novel subfamily of protein serine kinases involved in the control of cell cycle progression. <i>Molecular Microbiology</i> , 2002, 44, 309-324.	2.5	97
3430	GabR, a member of a novel protein family, regulates the utilization of gamma-aminobutyrate in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2002, 45, 569-583.	2.5	82
3431	Control of dinucleoside polyphosphates by the FHIT-homologous HNT2 gene, adenine biosynthesis and heat shock in <i>Saccharomyces cerevisiae</i> . <i>BMC Molecular Biology</i> , 2002, 3, 7.	3.0	8
3432	The role of arginine residues in substrate binding and catalysis by deacetoxycephalosporin C synthase. <i>FEBS Journal</i> , 2002, 269, 2735-2739.	0.2	27
3433	Functional expression and mutational analysis of flavonol synthase from <i>Citrus unshiu</i> . <i>FEBS Journal</i> , 2002, 269, 4134-4142.	0.2	73
3434	Folding and intrinsic stability of deletion variants of PrP(121-231), the folded C-terminal domain of the prion protein. <i>Biophysical Chemistry</i> , 2002, 96, 293-303.	2.8	18
3435	A helix initiation signal in T4 lysozyme identified by polyalanine mutagenesis. <i>Biophysical Chemistry</i> , 2002, 101-102, 43-56.	2.8	6
3436	Mutations in Fks1p affect the cell wall content of $\beta$ -1,3- and $\beta$ -1,6-glucan in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2002, 19, 671-690.	1.7	73
3437	<i>Saccharomyces cerevisiae</i> Big1p, a putative endoplasmic reticulum membrane protein required for normal levels of cell wall $\beta$ -1,6-glucan. <i>Yeast</i> , 2002, 19, 783-793.	1.7	28
3438	Actin patch assembly proteins Las17p and Sla1p restrict cell wall growth to daughter cells and interact with cis-Golgi protein Kre6p. <i>Yeast</i> , 2002, 19, 1097-1112.	1.7	22
3439	Functional, comparative and cell biological analysis of <i>Saccharomyces cerevisiae</i> Kre5p. <i>Yeast</i> , 2002, 19, 1243-1259.	1.7	22
3440	Characterization of a gene encoding tRNA nucleotidyltransferase from <i>Candida glabrata</i> . <i>Yeast</i> , 2002, 19, 1399-1411.	1.7	6
3441	Structural relaxation of protoporphyrin-IX-substituted cytochrome b562 and its mutants at low temperatures studied with persistent spectral hole burning. <i>Journal of Luminescence</i> , 2002, 98, 141-147.	3.1	1
3442	Increased <i>in Vitro</i> Cytotoxicity of TNF $\alpha$ Analog LK805 Is Based on the Interaction with Cell Surface Heparan Sulfate Proteoglycan. <i>Annals of the New York Academy of Sciences</i> , 2002, 973, 194-206.	3.8	12
3443	Role of Nucleotide Sequences in the V3 Region in Efficient Replication of CCR5-Utilizing Human Immunodeficiency Virus Type 1 in Macrophages. <i>Virology</i> , 2002, 299, 192-203.	2.4	1



#	ARTICLE	IF	CITATIONS
3444	The Mechanism of Inhibition of HIV-1 Env-Mediated Cell-Cell Fusion by Recombinant Cores of gp41 Ectodomain. <i>Virology</i> , 2002, 302, 174-184.	2.4	22
3445	Coregulation of Alternative Transcripts of the STA2 Gene in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Russian Journal of Genetics</i> , 2002, 38, 1121-1126.	0.6	1
3446	Role of individual disulfide bonds in hen lysozyme early folding steps. <i>Protein Science</i> , 2002, 11, 1136-1151.	7.6	31
3447	Efficient Mutagenesis Method for Producing the Templates of Single Nucleotide Polymorphisms. <i>Molecular Biotechnology</i> , 2003, 24, 105-110.	2.4	16
3448	Isolating substrates for an engineered alpha-lytic protease by phage display. <i>The Protein Journal</i> , 2003, 22, 155-166.	1.1	2
3449	Grafting a new metal ligand in the cocatalytic site of <i>B. cereus</i> metallo- $\beta$ -lactamase: Structural flexibility without loss of activity. <i>Protein Science</i> , 2003, 12, 1538-1546.	7.6	16
3450	The C-terminal T peptide of acetylcholinesterase enhances degradation of unassembled active subunits through the ERAD pathway. <i>EMBO Journal</i> , 2003, 22, 3536-3545.	7.8	40
3451	Can an Arbitrary Sequence Evolve Towards Acquiring a Biological Function?. <i>Journal of Molecular Evolution</i> , 2003, 56, 162-168.	1.8	40
3452	Identification of essential histidine residues in a recombinant $\beta$ -amylase of thermophilic and alkaliphilic <i>Bacillus</i> sp. strain TS-23. <i>Extremophiles</i> , 2003, 7, 505-509.	2.3	13
3453	The movement protein gene is involved in the virus-specific requirement of the coat protein in cell-to-cell movement of bromoviruses. <i>Archives of Virology</i> , 2003, 148, 803-812.	2.1	13
3454	Alteration of substrate specificity of leucine dehydrogenase by site-directed mutagenesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 23, 299-309.	1.8	29
3455	Mass spectrometric analysis of the reactions catalyzed by I-2-haloacid dehalogenase mutants and implications for the roles of the catalytic amino acid residues. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 23, 337-345.	1.8	7
3456	Characterization of two Turkish $\beta$ -hexosaminidase mutations causing Tay-Sachs disease. <i>Brain and Development</i> , 2003, 25, 191-194.	1.1	13
3457	Effects of the Cowpea chlorotic mottle bromovirus $\beta$ -hexamer structure on virion assembly. <i>Virology</i> , 2003, 306, 280-288.	2.4	41
3458	The cytoplasmic tail of invariant chain modulates antigen processing and presentation. <i>European Journal of Immunology</i> , 2003, 33, 277-286.	2.9	25
3459	Requirement for Q226, but not multiple charged residues, in the class I MHC CD loop/D strand for TCR-activated CD8 accessory function. <i>European Journal of Immunology</i> , 2003, 33, 676-684.	2.9	18
3460	Constitutive versus thermoinducible expression of heterologous proteins in <i>Escherichia coli</i> based on strong PR, PL promoters from phage lambda. <i>Biotechnology and Bioengineering</i> , 2003, 83, 181-190.	3.3	41
3461	Analysis of a DNA-binding motif of the <i>Bacillus subtilis</i> HrcA repressor protein. <i>FEMS Microbiology Letters</i> , 2003, 223, 101-106.	1.8	16

#	ARTICLE	IF	CITATIONS
3462	A mass spectrometric study of noncovalent gas phase interaction of staphylococcal nucleases with 5â€²-nucleoside phosphate inhibitors. International Journal of Mass Spectrometry, 2003, 222, 397-412.	1.5	3
3463	Inactivation of the decay pathway initiated at an internal site by RNase E promotes poly(A)-dependent degradation of the rpsO mRNA in Escherichia coli. Molecular Microbiology, 2003, 50, 1283-1294.	2.5	25
3464	A search for amino acid substitutions that universally activate response regulators. Molecular Microbiology, 2003, 51, 887-901.	2.5	47
3465	The kinetic properties of various R258 mutants of deacetoxycephalosporin C synthase. FEBS Journal, 2003, 270, 1301-1307.	0.2	10
3466	A dimer of the FeS cluster biosynthesis protein IscA from cyanobacteria binds a [2Fe2S] cluster between two protomers and transfers it to [2Fe2S] and [4Fe4S] apo proteins. FEBS Journal, 2003, 270, 1662-1671.	0.2	81
3467	The calcium-induced switch in the troponin complex probed by fluorescent mutants of troponinâ€¦. FEBS Journal, 2003, 270, 2937-2944.	0.2	5
3468	Inhibition of transpositional recombination by OrfA and OrfB proteins encoded by insertion sequence IS <i>3</i> . Genes To Cells, 1997, 2, 547-557.	1.2	33
3469	Temporal regulation of the mid-prepupal gene FTZ-F1: DHR3 early late gene product is one of the plural positive regulators. Genes To Cells, 2003, 2, 559-569.	1.2	59
3470	ATPase/helicase motif mutants of Escherichia coli PriA protein essential for recombination-dependent DNA replication. Genes To Cells, 2003, 8, 251-261.	1.2	36
3471	Tom40 protein import channel binds to non-native proteins and prevents their aggregation. Nature Structural and Molecular Biology, 2003, 10, 988-994.	8.2	57
3472	17â€²-Estradiol Inhibits MCP-1 Production in Human Keratinocytes. Journal of Investigative Dermatology, 2003, 120, 1058-1066.	0.7	15
3473	Leukemia-related transcription factor TEL accelerates differentiation of Friend erythroleukemia cells. Oncogene, 2003, 22, 59-68.	5.9	26
3474	Different Applications of Polymerases With and Without Proofreading Activity in Single-Nucleotide Polymorphism Analysis. Laboratory Investigation, 2003, 83, 1147-1154.	3.7	27
3475	Formation of functional heterodimers by isozymes 1 and 2 of pyruvate dehydrogenase kinase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1645, 183-192.	2.3	14
3476	Site2 binding energetics of the regulatory step of growth hormoneâ€¦induced receptor homodimerization. Protein Science, 2003, 12, 1960-1970.	7.6	39
3477	Membrane-Docking Loops of the cPLA2 C2 Domain: A Detailed Structural Analysis of the Proteinâ€¦Membrane Interface via Site-Directed Spin-Labelingâ€¦. Biochemistry, 2003, 42, 13227-13240.	2.5	66
3478	Enzymatic Properties of Glutamine 32 Mutants of RNase Rh from Rhizopus niveus, a Trial to Alter the Most Preferential Inter-nucleotidic Linkages of RNase Rh. Bioscience, Biotechnology and Biochemistry, 2003, 67, 570-576.	1.3	3
3479	Changes in Stability upon Charge Reversal and Neutralization Substitution in Staphylococcal Nuclease Are Dominated by Favorable Electrostatic Effectsâ€¦. Biochemistry, 2003, 42, 1118-1128.	2.5	37

#	ARTICLE	IF	CITATIONS
3480	HMGA Proteins: Isolation, Biochemical Modifications, and Nucleosome Interactions. <i>Methods in Enzymology</i> , 2003, 375, 297-322.	1.0	14
3481	The Caenorhabditis elegans mRNA 5'-Capping Enzyme. <i>Journal of Biological Chemistry</i> , 2003, 278, 14174-14184.	3.4	19
3482	Inter-helical Hydrogen Bond Formation During Membrane Protein Integration into the ER Membrane. <i>Journal of Molecular Biology</i> , 2003, 334, 803-809.	4.2	39
3483	Promoter-specific function of the TATA element in undifferentiated P19 cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 458-463.	2.1	1
3484	Molecular characterization of human eye and heart fatty acid ethyl ester synthase/carboxylesterase by site-directed mutagenesis. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 1094-1098.	2.1	6
3485	The Conserved Glutamate Residue Adjacent to the Walker-B Motif Is the Catalytic Base for ATP Hydrolysis in the ATP-binding Cassette Transporter BmrA. <i>Journal of Biological Chemistry</i> , 2003, 278, 47002-47008.	3.4	163
3486	Role of Residues in the Tryptophan Repeat Motif for HIV-1 Reverse Transcriptase Dimerization. <i>Journal of Molecular Biology</i> , 2003, 326, 381-396.	4.2	64
3487	FRET-based in Vivo Screening for Protein Folding and Increased Protein Stability. <i>Journal of Molecular Biology</i> , 2003, 327, 239-249.	4.2	47
3488	The Functional Binding Epitope of a High Affinity Variant of Human Growth Hormone Mapped by Shotgun Alanine-scanning Mutagenesis: Insights into the Mechanisms Responsible for Improved Affinity. <i>Journal of Molecular Biology</i> , 2003, 332, 195-204.	4.2	42
3489	Contributions of CDR3 to VHH Domain Stability and the Design of Monobody Scaffolds for Naive Antibody Libraries. <i>Journal of Molecular Biology</i> , 2003, 332, 643-655.	4.2	94
3490	Fluorescence and folding properties of Tyr mutant tryptophan synthase $\alpha$ -subunits from Escherichia coli. <i>Biochemical and Biophysical Research Communications</i> , 2003, 300, 29-35.	2.1	5
3491	Development of a vaccine for immunization against classical as well as variant strains of infectious bursal disease virus using reverse genetics. <i>Vaccine</i> , 2003, 21, 4616-4624.	3.8	17
3492	Genetic analysis of the formation of the Ysc-Yop translocation pore in macrophages by Yersinia enterocolitica: role of LcrV, YscF and YopN. <i>Microbial Pathogenesis</i> , 2003, 35, 243-258.	2.9	85
3493	The first semi-synthetic serine protease made by native chemical ligation. <i>Protein Expression and Purification</i> , 2003, 29, 185-192.	1.3	10
3494	Expression of Pseudomonas stutzeri Zobel cytochrome c-551 and its H47A variant in Escherichia coli. <i>Protein Expression and Purification</i> , 2003, 29, 244-251.	1.3	4
3495	Specific induction and carbon/nitrogen repression of arginine catabolism gene of Aspergillus nidulans functional in vivo analysis of the otaA promoter. <i>Fungal Genetics and Biology</i> , 2003, 38, 175-186.	2.1	28
3496	Two novel mutations in the COLQ gene cause endplate acetylcholinesterase deficiency. <i>Neuromuscular Disorders</i> , 2003, 13, 236-244.	0.6	28
3497	Cellular Localization of GFP-Tagged $\alpha$ Subunits. , 2004, 237, 233-246.		10

#	ARTICLE	IF	CITATIONS
3498	Translation of the Minor Capsid Protein of a Calicivirus Is Initiated by a Novel Termination-dependent Reinitiation Mechanism. <i>Journal of Biological Chemistry</i> , 2003, 278, 34051-34060.	3.4	77
3499	Designed FHIT alleles establish that Fhit-induced apoptosis in cancer cells is limited by substrate binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1592-1597.	7.1	76
3500	Secretory ribonucleases are internalized by a dynamin-independent endocytic pathway. <i>Journal of Cell Science</i> , 2003, 116, 313-324.	2.0	98
3501	Mutations in the histone fold domain of the TAF12 gene show synthetic lethality with the TAF1 gene lacking the TAF N-terminal domain (TAND) by different mechanisms from those in the SPT15 gene encoding the TATA box-binding protein (TBP). <i>Nucleic Acids Research</i> , 2003, 31, 1261-1274.	14.5	10
3502	Reb1p-dependent DNA Bending Effects Nucleosome Positioning and Constitutive Transcription at the Yeast Profilin Promoter. <i>Journal of Biological Chemistry</i> , 2003, 278, 17918-17926.	3.4	30
3503	The Synaptojanin-like Protein Inp53/Sjl3 Functions with Clathrin in a Yeast TGN-to-Endosome Pathway Distinct from the GGA Protein-dependent Pathway. <i>Molecular Biology of the Cell</i> , 2003, 14, 1319-1333.	2.1	45
3504	Lack of the ApbC or ApbE Protein Results in a Defect in Fe-S Cluster Metabolism in <i>Salmonella enterica</i> Serovar Typhimurium. <i>Journal of Bacteriology</i> , 2003, 185, 98-106.	2.2	69
3505	Investigation of the Role of Electrostatic Charge in Activation of the <i>Escherichia coli</i> Response Regulator CheY. <i>Journal of Bacteriology</i> , 2003, 185, 6385-6391.	2.2	23
3506	The Carboxy Terminus of the Small Subunit of TFIIE Regulates the Transition from Transcription Initiation to Elongation by RNA Polymerase II. <i>Molecular and Cellular Biology</i> , 2003, 23, 2914-2926.	2.3	282
3507	Crystal Structure of a Mini-intein Reveals a Conserved Catalytic Module Involved in Side Chain Cyclization of Asparagine during Protein Splicing. <i>Journal of Biological Chemistry</i> , 2003, 278, 39133-39142.	3.4	124
3508	Mouse 3-Phosphoinositide-dependent Protein Kinase-1 Undergoes Dimerization and trans-Phosphorylation in the Activation Loop. <i>Journal of Biological Chemistry</i> , 2003, 278, 42913-42919.	3.4	61
3509	The Role of Hydrogen Bonding via Interfacial Water Molecules in Antigen-Antibody Complexation. <i>Journal of Biological Chemistry</i> , 2003, 278, 5410-5418.	3.4	60
3510	MsGC- $\beta$ 23 forms active homodimers and inactive heterodimers with NO-sensitive soluble guanylyl cyclase subunits. <i>Journal of Experimental Biology</i> , 2003, 206, 937-947.	1.7	21
3511	Specificity of Plasma Membrane Targeting by the Rous Sarcoma Virus Gag Protein. <i>Journal of Virology</i> , 2003, 77, 470-480.	3.4	12
3512	Aminoacylation of an unusual tRNA <sup>Cys</sup> from an extreme halophile. <i>Rna</i> , 2003, 9, 794-801.	3.5	7
3513	Site-directed mutagenesis of an extradiol dioxygenase involved in tetralin biodegradation identifies residues important for activity or substrate specificity. <i>Microbiology (United Kingdom)</i> , 2003, 149, 1559-1567.	1.8	12
3514	Effect of Translational Signals on mRNA Decay in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2003, 185, 5372-5379.	2.2	57
3515	The Cytotoxic Activity of Ribosome-inactivating Protein Saporin-6 Is Attributed to Its rRNA N-Glycosidase and Internucleosomal DNA Fragmentation Activities. <i>Journal of Biological Chemistry</i> , 2003, 278, 4813-4820.	3.4	64

#	ARTICLE	IF	CITATIONS
3516	Residues Glutamate 216 and Aspartate 301 Are Key Determinants of Substrate Specificity and Product Regioselectivity in Cytochrome P450 2D6. <i>Journal of Biological Chemistry</i> , 2003, 278, 4021-4027.	3.4	93
3517	The Transmembrane Domain of Vam3 Affects the Composition of cis- and trans-SNARE Complexes to Promote Homotypic Vacuole Fusion. <i>Journal of Biological Chemistry</i> , 2003, 278, 1656-1662.	3.4	37
3518	Glucose Conjugation of Anthranilate by the Arabidopsis UGT74F2 Glucosyltransferase Is Required for Tryptophan Mutant Blue Fluorescence. <i>Journal of Biological Chemistry</i> , 2003, 278, 6275-6281.	3.4	54
3519	Distortion of the Catalytic Domain of Tissue-type Plasminogen Activator by Plasminogen Activator Inhibitor-1 Coincides with the Formation of Stable Serpin-Proteinase Complexes. <i>Journal of Biological Chemistry</i> , 2003, 278, 48197-48203.	3.4	14
3520	Antifreeze Protein Dimer. <i>Journal of Biological Chemistry</i> , 2003, 278, 38942-38947.	3.4	50
3521	TAMS technology for simple and efficient in vitro site-directed mutagenesis and mutant screening. <i>Nucleic Acids Research</i> , 2003, 31, 11e-11.	14.5	15
3522	Specificity of the interaction of RocR with the rocGâ€‘rocA intergenic region in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 739-750.	1.8	16
3523	C-terminal Deletions of the <i>Escherichia coli</i> RecA Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 16372-16380.	3.4	111
3524	Anti-Î²2-glycoprotein I autoantibodies require an antigen density threshold, consistent with divalent binding. <i>Lupus</i> , 2003, 12, 37-45.	1.6	17
3525	RegR, a Global LacI/GalR Family Regulator, Modulates Virulence and Competence in <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2003, 71, 2615-2625.	2.2	64
3526	Eukaryotic NAD <sup>+</sup> Synthetase Qns1 Contains an Essential, Obligate Intramolecular Thiol Glutamine Amidotransferase Domain Related to Nitrilase. <i>Journal of Biological Chemistry</i> , 2003, 278, 33049-33055.	3.4	65
3527	Functional and Phylogenetic Analyses of a Conserved Regulatory Program in the Phloem of Minor Veins Â. <i>Plant Physiology</i> , 2003, 133, 1229-1239.	4.8	51
3528	Mutational analysis of the major proline transporter (PrnB) of <i>Aspergillus nidulans</i> . <i>Molecular Membrane Biology</i> , 2003, 20, 285-297.	2.0	16
3529	Structure and Kinetic Properties of <i>Paracoccus pantotrophus</i> Cytochrome cd1 Nitrite Reductase with the d1 Heme Active Site Ligand Tyrosine 25 Replaced by Serine. <i>Journal of Biological Chemistry</i> , 2003, 278, 11773-11781.	3.4	29
3530	Rescue of MODY-1 by Agonist Ligands of Hepatocyte Nuclear Factor-4Î±. <i>Journal of Biological Chemistry</i> , 2003, 278, 22578-22585.	3.4	26
3531	Engineering Exosite Peptides for Complete Inhibition of Factor VIIa Using a Protease Switch with Substrate Phage. <i>Journal of Biological Chemistry</i> , 2003, 278, 21823-21830.	3.4	32
3532	Identification of a Novel TATA Element-binding Protein Binding Region at the N Terminus of the <i>Saccharomyces cerevisiae</i> TAF1 Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 45888-45902.	3.4	15
3533	Grb10 Inhibits Insulin-stimulated Insulin Receptor Substrate (IRS)-Phosphatidylinositol 3-Kinase/Akt Signaling Pathway by Disrupting the Association of IRS-1/IRS-2 with the Insulin Receptor. <i>Journal of Biological Chemistry</i> , 2003, 278, 8460-8467.	3.4	106

#	ARTICLE	IF	CITATIONS
3534	Essential Glycine in the Proton Channel of Escherichia coli Transhydrogenase. Journal of Biological Chemistry, 2003, 278, 45333-45339.	3.4	13
3535	c-Jun NH 2 -Terminal Kinase-Mediated Signaling Is Essential for Pseudomonas aeruginosa ExoS-Induced Apoptosis. Infection and Immunity, 2003, 71, 3361-3370.	2.2	48
3536	Identification of Catalytic Residues of Ca <sup>2+</sup> -independent 1,2- $\alpha$ -d-Mannosidase from Aspergillus saitoi by Site-directed Mutagenesis. Journal of Biological Chemistry, 2003, 278, 25289-25294.	3.4	15
3537	Transmembrane Domain I of the $\beta$ -Aminobutyric Acid Transporter GAT-1 Plays a Crucial Role in the Transition between Cation Leak and Transport Modes. Journal of Biological Chemistry, 2003, 278, 3705-3712.	3.4	57
3538	An Electrical Potential in the Access Channel of Catalases Enhances Catalysis. Journal of Biological Chemistry, 2003, 278, 31290-31296.	3.4	56
3539	How Hydrophobic Is Alanine?. Journal of Biological Chemistry, 2003, 278, 29389-29393.	3.4	30
3540	Characterization of the Catalase-Peroxidase KatG from Burkholderia pseudomallei by Mass Spectrometry. Journal of Biological Chemistry, 2003, 278, 35687-35692.	3.4	43
3541	Involvement of Single Residue Tryptophan 548 in the Quaternary Structural Stability of Pigeon Cytosolic Malic Enzyme. Journal of Biological Chemistry, 2003, 278, 23996-24002.	3.4	13
3542	The Interaction of the $\beta$ -Aminobutyric Acid Transporter GAT-1 with the Neurotransmitter Is Selectively Impaired by Sulfhydryl Modification of a Conformationally Sensitive Cysteine Residue Engineered into Extracellular Loop IV. Journal of Biological Chemistry, 2003, 278, 42950-42958.	3.4	48
3543	The only active mutant of thymidylate synthase D169, a residue far from the site of methyl transfer, demonstrates the exquisite nature of enzyme specificity. Protein Engineering, Design and Selection, 2003, 16, 229-240.	2.1	8
3544	17 $\beta$ -Estradiol Inhibits MCP-1 Production in Human Keratinocytes. Journal of Investigative Dermatology, 2003, 120, 1058-1066.	0.7	41
3545	Origins of PDZ Domain Ligand Specificity. Journal of Biological Chemistry, 2003, 278, 7645-7654.	3.4	134
3546	Recombinant Plant Lectins and Their Mutants. Methods in Enzymology, 2003, 363, 47-77.	1.0	13
3547	Molecular and Biochemical Analyses of OsRab7, a Rice Rab7 Homolog. Plant and Cell Physiology, 2003, 44, 1341-1349.	3.1	84
3548	Relationship between bacterial virulence and nucleotide metabolism: a mutation in the adenylate kinase gene renders Yersinia pestis avirulent. Biochemical Journal, 2003, 373, 515-522.	3.7	21
3549	Effect of expression of the Escherichia coli nth gene in Saccharomyces cerevisiae on the toxicity of ionizing radiation and hydrogen peroxide. International Journal of Radiation Biology, 2003, 79, 747-755.	1.8	3
3550	Role of the intracellular domains of GPIb in controlling the adhesive properties of the platelet GPIb/V/IX complex. Blood, 2003, 101, 3477-3484.	1.4	35
3551	Cobalt activation of Escherichia coli 5'-nucleotidase is due to zinc ion displacement at only one of two metal-ion-binding sites. Biochemical Journal, 2003, 372, 625-630.	3.7	28



#	ARTICLE	IF	CITATIONS
3552	Role of conserved Asp293 of cytochrome P450 2C9 in substrate recognition and catalytic activity. <i>Biochemical Journal</i> , 2003, 370, 921-926.	3.7	31
3553	The conserved cis-Pro39 residue plays a crucial role in the proper positioning of the catalytic base Asp38 in ketosteroid isomerase from <i>Comamonas testosteroni</i> . <i>Biochemical Journal</i> , 2003, 375, 297-305.	3.7	15
3554	Applications of Genetic Engineering. , 2003, , 791-806.		0
3555	Rapid Site-Directed Mutagenesis Using Two-PCR-Generated DNA Fragments Reproducing the Plasmid Template. <i>Journal of Biomedicine and Biotechnology</i> , 2003, 2003, 202-207.	3.0	18
3556	Amino Acid Substitutions in VP2 Residues Contacting Sialic Acid in Low-Neurovirulence BeAn Virus Dramatically Reduce Viral Binding and Spread of Infection. <i>Journal of Virology</i> , 2003, 77, 2709-2716.	3.4	15
3557	Transcriptional regulation of CCSP by interferon- $\gamma$ in vitro and in vivo. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 284, L108-L118.	2.9	20
3558	Altered specificity of Hint-W123Q supports a role for Hint inhibition by ASW in avian sex determination. <i>Physiological Genomics</i> , 2004, 20, 12-14.	2.3	26
3559	Coordination of DNA Damage Responses via the Smc5/Smc6 Complex. <i>Molecular and Cellular Biology</i> , 2004, 24, 662-674.	2.3	80
3560	Engineering thermostability in serine protease inhibitors. <i>Protein Engineering, Design and Selection</i> , 2004, 17, 325-331.	2.1	14
3561	The Interface between Self-assembling Erythropoietin Receptor Transmembrane Segments Corresponds to a Membrane-spanning Leucine Zipper. <i>Journal of Biological Chemistry</i> , 2004, 279, 3273-3279.	3.4	68
3562	Genetic Dissection of the <i>Kluyveromyces lactis</i> Telomere and Evidence for Telomere Capping Defects in TER1 Mutants with Long Telomeres. <i>Eukaryotic Cell</i> , 2004, 3, 369-384.	3.4	21
3563	Extramembrane Central Pore of Multidrug Exporter AcrB in <i>Escherichia coli</i> Plays an Important Role in Drug Transport. <i>Journal of Biological Chemistry</i> , 2004, 279, 3743-3748.	3.4	54
3564	Effects of Altering the Transcription Termination Signals of Respiratory Syncytial Virus on Viral Gene Expression and Growth In Vitro and In Vivo. <i>Journal of Virology</i> , 2004, 78, 692-699.	3.4	13
3565	The Corepressor mSin3A Regulates Phosphorylation-Induced Activation, Intracellular Location, and Stability of AML1. <i>Molecular and Cellular Biology</i> , 2004, 24, 1033-1043.	2.3	80
3566	A phage display selection of engrailed homeodomain mutants and the importance of residue Q50. <i>Nucleic Acids Research</i> , 2004, 32, 3623-3631.	14.5	12
3567	AML1 Is Functionally Regulated through p300-mediated Acetylation on Specific Lysine Residues. <i>Journal of Biological Chemistry</i> , 2004, 279, 15630-15638.	3.4	87
3568	A Rice WRKY Gene Encodes a Transcriptional Repressor of the Gibberellin Signaling Pathway in Aleurone Cells. <i>Plant Physiology</i> , 2004, 134, 1500-1513.	4.8	309
3569	Structure of Kre2p/Mnt1p. <i>Journal of Biological Chemistry</i> , 2004, 279, 17921-17931.	3.4	61

#	ARTICLE	IF	CITATIONS
3570	Engineering an APRIL-specific B Cell Maturation Antigen. <i>Journal of Biological Chemistry</i> , 2004, 279, 16727-16735.	3.4	58
3571	Comparison of the effects of RNase-negative and wild-type classical swine fever virus on peripheral blood cells of infected pigs. <i>Journal of General Virology</i> , 2004, 85, 1899-1908.	2.9	15
3572	Transmembrane Domains I and II of the $\hat{\text{I}}^3$ -Aminobutyric Acid Transporter GAT-4 Contain Molecular Determinants of Substrate Specificity. <i>Molecular Pharmacology</i> , 2004, 65, 1452-1461.	2.3	33
3573	Genome-wide Analysis of ARS (Autonomously Replicating Sequence) Binding Factor 1 (Abf1p)-mediated Transcriptional Regulation in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 34865-34872.	3.4	43
3574	MUSK, a new target for mutations causing congenital myasthenic syndrome. <i>Human Molecular Genetics</i> , 2004, 13, 3229-3240.	2.9	175
3575	The high- and low-affinity receptor binding sites of growth hormone are allosterically coupled. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17078-17083.	7.1	30
3576	Template Requirements for Telomerase Translocation in <i>Kluyveromyces lactis</i> . <i>Molecular and Cellular Biology</i> , 2004, 24, 912-923.	2.3	14
3577	Role of the Pilot Protein YscW in the Biogenesis of the YscC Secretin in <i>Yersinia enterocolitica</i> . <i>Journal of Bacteriology</i> , 2004, 186, 5366-5375.	2.2	80
3578	Structural Elements Required for Association of the <i>Saccharomyces cerevisiae</i> Telomerase RNA with the Est2 Reverse Transcriptase. <i>Molecular and Cellular Biology</i> , 2004, 24, 7720-7736.	2.3	51
3579	A Novel Allele of <i>Saccharomyces cerevisiae</i> NDC1 Reveals a Potential Role for the Spindle Pole Body Component Ndc1p in Nuclear Pore Assembly. <i>Eukaryotic Cell</i> , 2004, 3, 447-458.	3.4	53
3580	CcpA-Dependent Regulation of <i>Bacillus subtilis</i> Glutamate Dehydrogenase Gene Expression. <i>Journal of Bacteriology</i> , 2004, 186, 3392-3398.	2.2	48
3581	Functional and Structural Analysis of HrcA Repressor Protein from <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 6759-6767.	2.2	17
3582	Observation and Characterization of the Interaction between a Single Immunoglobulin Binding Domain of Protein L and Two Equivalents of Human $\hat{\text{I}}^{\text{e}}$ Light Chains. <i>Journal of Biological Chemistry</i> , 2004, 279, 9370-9378.	3.4	20
3583	The central domain of the matrix protein of HIV-1: influence on protein structure and virus infectivity. <i>Biological Chemistry</i> , 2004, 385, 303-13.	2.5	3
3584	A WRKY Gene from Creosote Bush Encodes an Activator of the Absciscic Acid Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 55770-55779.	3.4	101
3585	Mutant R1 Proteins from <i>Escherichia coli</i> Class Ia Ribonucleotide Reductase with Altered Responses to dATP Inhibition. <i>Journal of Biological Chemistry</i> , 2004, 279, 14496-14501.	3.4	15
3586	Regulation of cyclin-dependent kinase activity during mitotic exit and maintenance of genome stability by p21, p27, and p107. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4465-4470.	7.1	43
3587	The N-Terminal Regulatory Domain of Stp1p Is Modular and, Fused to an Artificial Transcription Factor, Confers Full Ssy1p-Ptr3p-Ssy5p Sensor Control. <i>Molecular and Cellular Biology</i> , 2004, 24, 7503-7513.	2.3	44

#	ARTICLE	IF	CITATIONS
3588	Localized Changes in the gp120 Envelope Glycoprotein Confer Resistance to Human Immunodeficiency Virus Entry Inhibitors BMS-806 and #155. <i>Journal of Virology</i> , 2004, 78, 3742-3752.	3.4	126
3589	The Contribution of the Exosite Residues of Plasminogen Activator Inhibitor-1 to Proteinase Inhibition. <i>Journal of Biological Chemistry</i> , 2004, 279, 3643-3650.	3.4	35
3590	The Aqueous Accessibility in the External Half of Transmembrane Domain I of the GABA Transporter GAT-1 Is Modulated by Its Ligands. <i>Journal of Biological Chemistry</i> , 2004, 279, 13800-13808.	3.4	43
3591	Virus Persistence in an Animal Model of Multiple Sclerosis Requires Virion Attachment to Sialic Acid Coreceptors. <i>Journal of Virology</i> , 2004, 78, 8860-8867.	3.4	9
3592	Mutational Analysis of the Archaeal Tyrosine Recombinase SSV1 Integrase Suggests a Mechanism of DNA Cleavage in trans. <i>Journal of Biological Chemistry</i> , 2004, 279, 28936-28944.	3.4	22
3593	Mutations of Bacteriophage T4 59 Helicase Loader Defective in Binding Fork DNA and in Interactions with T4 32 Single-stranded DNA-binding Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 25721-25728.	3.4	13
3594	Thermophilic ATP synthase has a decamer c-ring: Indication of noninteger 10:3 H <sup>+</sup> /ATP ratio and permissive elastic coupling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12159-12164.	7.1	120
3595	Three-Dimensional Model and Molecular Mechanism of <i>Mycobacterium tuberculosis</i> Catalase-Peroxidase (KatG) and Isoniazid-Resistant KatG Mutants. <i>Microbial Drug Resistance</i> , 2004, 10, 269-279.	2.0	22
3596	Evolutionary Repair of HIV Type 1 gp41 with a Kink in the N-Terminal Helix Leads to Restoration of the Six-Helix Bundle Structure. <i>AIDS Research and Human Retroviruses</i> , 2004, 20, 742-749.	1.1	21
3597	The enhancement of nuclear receptor transcriptional activation by a mouse actin-binding protein, alpha actinin 2. <i>Journal of Molecular Endocrinology</i> , 2004, 32, 481-496.	2.5	36
3598	The zinc-binding site of a class I aminoacyl-tRNA synthetase is a SWIM domain that modulates amino acid binding via the tRNA acceptor arm. <i>FEBS Journal</i> , 2004, 271, 724-733.	0.2	23
3599	Elements of the C-terminal t peptide of acetylcholinesterase that determine amphiphilicity, homomeric and heteromeric associations, secretion and degradation. <i>FEBS Journal</i> , 2004, 271, 1476-1487.	0.2	32
3600	The crystal structure of <i>Thermoactinomyces vulgaris</i> R-47 alpha-amylase II (TVA II) complexed with transglycosylated product. <i>FEBS Journal</i> , 2004, 271, 2530-2538.	0.2	21
3601	Competition between neighboring topogenic signals during membrane protein insertion into the ER. <i>FEBS Journal</i> , 2004, 272, 28-36.	4.7	20
3602	In vivo synthesis of Taf1p lacking the TAF N-terminal domain using alternative transcription or translation initiation sites. <i>Genes To Cells</i> , 2004, 9, 709-721.	1.2	6
3603	DNA binding properties of human DNA polymerase $\delta$ : implications for fidelity and polymerase switching of translesion synthesis. <i>Genes To Cells</i> , 2004, 9, 1139-1150.	1.2	70
3604	DNA AND PROTEIN RECOVERY FROM WASHED EXPERIMENTAL STONE TOOLS*. <i>Archaeometry</i> , 2004, 46, 663-672.	1.3	20
3605	Lipid-binding form is a key conformation to induce a programmed cell death initiated in tobacco BY-2 cells by a proteinaceous elicitor of cryptogeiin. <i>Physiologia Plantarum</i> , 2004, 121, 196-203.	5.2	9

#	ARTICLE	IF	CITATIONS
3606	Multiple cell-type-specific elements regulate Myc protein stability. <i>Oncogene</i> , 2004, 23, 3863-3871.	5.9	42
3607	Convergent Recognition of the IgE Binding Site on the High-Affinity IgE Receptor. <i>Structure</i> , 2004, 12, 1289-1301.	3.3	26
3608	Mechanism of asymmetric decarboxylation of $\hat{1}\pm$ -aryl- $\hat{1}\pm$ -methylmalonate catalyzed by arylmalonate decarboxylase originated from <i>Alcaligenes bronchisepticus</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 27, 161-168.	1.8	39
3609	Bivalent antibody phage display mimics natural immunoglobulin. <i>Journal of Immunological Methods</i> , 2004, 284, 119-132.	1.4	81
3610	A Novel Simple and Rapid PCR-Based Site-Directed Mutagenesis Method. <i>Molecular Biotechnology</i> , 2004, 26, 27-34.	2.4	25
3611	Retarded protein folding of deficient human $\hat{A}1$ -antitrypsin D256V and L41P variants. <i>Protein Science</i> , 2004, 13, 694-702.	7.6	14
3612	The interface of a membrane-spanning leucine zipper mapped by asparagine-scanning mutagenesis. <i>Protein Science</i> , 2004, 13, 555-559.	7.6	35
3613	Functional definition of ABA-response complexes: the promoter units necessary and sufficient for ABA induction of gene expression in barley ( <i>Hordeum vulgare</i> L.). <i>Plant Molecular Biology</i> , 2004, 54, 111-124.	3.9	52
3614	Mutational analysis of feedback inhibition and catalytic sites of prephenate dehydratase from <i>Corynebacterium glutamicum</i> . <i>Archives of Microbiology</i> , 2004, 181, 237-244.	2.2	15
3615	Soluble LDL-R are formed by cell surface cleavage in response to phorbol esters. <i>FEBS Journal</i> , 2004, 271, 524-533.	0.2	23
3616	Construction of an Artificial Receptor Protein ( $\hat{\alpha}$ Anticalin $\hat{\alpha}$ ) Based on the Human Apolipoprotein D. <i>ChemBioChem</i> , 2004, 5, 191-199.	2.6	41
3617	Reactivity of asparagine residue at the active site of the D105N mutant of fluoroacetate dehalogenase from <i>Moraxella</i> sp. B. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1698, 27-36.	2.3	13
3618	The PRC-barrel domain of the ribosome maturation protein RimM mediates binding to ribosomal protein S19 in the 30S ribosomal subunits. <i>Rna</i> , 2004, 10, 1798-1812.	3.5	57
3619	Ca <sup>2+</sup> Activation of the cPLA <sub>2</sub> C <sub>2</sub> Domain: $\hat{A}$ Ordered Binding of Two Ca <sup>2+</sup> Ions with Positive Cooperativity $\hat{A}$ . <i>Biochemistry</i> , 2004, 43, 16320-16328.	2.5	19
3620	Improving the Sensitivity and Dynamic Range of Reagentless Fluorescent Immunosensors by Knowledge-Based Design $\hat{\alpha}$ . <i>Biochemistry</i> , 2004, 43, 15453-15462.	2.5	19
3621	Molecular Basis for the Dynamic Strength of the Integrin $\hat{1}\pm 4\hat{1}^21$ /VCAM-1 Interaction. <i>Biophysical Journal</i> , 2004, 87, 3470-3478.	0.5	100
3622	The Construction of Gene Knockouts in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. , 2004, 274, 309-324.		39
3623	Phytochelatin Synthase, a Dipeptidyltransferase That Undergoes Multisite Acylation with $\hat{1}^3$ -Glutamylcysteine during Catalysis. <i>Journal of Biological Chemistry</i> , 2004, 279, 22449-22460.	3.4	127

#	ARTICLE	IF	CITATIONS
3624	Efficient and rapid purification of recombinant human $\beta$ -galactosidase A by affinity column chromatography. <i>Protein Expression and Purification</i> , 2004, 37, 499-506.	1.3	17
3625	Structural determinants of agonist-induced signaling and regulation of the angiotensin AT1 receptor. <i>Molecular and Cellular Endocrinology</i> , 2004, 217, 89-100.	3.2	13
3626	A Distal, High-affinity Binding Site on the Cyclin-CDK Substrate Pho4 is Important for its Phosphorylation and Regulation. <i>Journal of Molecular Biology</i> , 2004, 335, 57-70.	4.2	15
3627	Redox-dependent Changes in RsrA, an Anti-sigma Factor in <i>Streptomyces coelicolor</i> : Zinc Release and Disulfide Bond Formation. <i>Journal of Molecular Biology</i> , 2004, 335, 425-435.	4.2	82
3628	Phage-displayed Antibody Libraries of Synthetic Heavy Chain Complementarity Determining Regions. <i>Journal of Molecular Biology</i> , 2004, 338, 299-310.	4.2	157
3629	Conformational Heterogeneity of an Equilibrium Folding Intermediate Quantified and Mapped by Scanning Mutagenesis. <i>Journal of Molecular Biology</i> , 2004, 338, 811-825.	4.2	31
3630	Comprehensive Mutational Analysis of the M13 Major Coat Protein: Improved Scaffolds for C-terminal Phage Display. <i>Journal of Molecular Biology</i> , 2004, 340, 587-597.	4.2	32
3631	High-affinity Human Antibodies from Phage-displayed Synthetic Fab Libraries with a Single Framework Scaffold. <i>Journal of Molecular Biology</i> , 2004, 340, 1073-1093.	4.2	222
3632	A Family of Anti- $\lambda$ 70 Proteins in T4-type Phages and Bacteria that are Similar to AsiA, a Transcription Inhibitor and Co-activator of Bacteriophage T4. <i>Journal of Molecular Biology</i> , 2004, 344, 1183-1197.	4.2	33
3633	Specificity of the MAP kinase ERK2 for phosphorylation of tyrosine hydroxylase. <i>Archives of Biochemistry and Biophysics</i> , 2004, 423, 247-252.	3.0	8
3634	Significance of C-terminal sequence elements for Petunia flavanone 3 $\beta$ -hydroxylase activity. <i>FEBS Letters</i> , 2004, 561, 149-154.	2.8	34
3635	Phe120 contributes to the regiospecificity of cytochrome P450 2D6: mutation leads to the formation of a novel dextromethorphan metabolite. <i>Biochemical Journal</i> , 2004, 380, 353-360.	3.7	69
3636	Kinase-independent transcriptional co-activation of peroxisome proliferator-activated receptor $\beta$ by AMP-activated protein kinase. <i>Biochemical Journal</i> , 2004, 384, 295-305.	3.7	82
3637	Enzymatic Properties of Serine 93 Mutants of RNase Rh from <i>Rhizopus niveus</i> . A Trial to Alter the Base Preference of RNase Rh. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 1838-1843.	1.4	1
3638	A Method for Clone Sequence Confirmation Using a Mismatch-Specific DNA Endonuclease. <i>Molecular Biotechnology</i> , 2005, 29, 11-18.	2.4	12
3639	The H <sub>2</sub> O <sub>2</sub> -regulated Ep5C gene encodes a peroxidase required for bacterial speck susceptibility in tomato. <i>Plant Journal</i> , 2005, 42, 283-293.	5.7	48
3640	Production and characterization of a noncytotoxic deletion variant of the <i>Aspergillus fumigatus</i> allergen Asp f1 displaying reduced IgE binding. <i>FEBS Journal</i> , 2005, 272, 2536-2544.	4.7	23
3641	Role of core promoter sequences in the mechanism of swarmer cell-specific silencing of <i>gyrB</i> transcription in <i>Caulobacter crescentus</i> . <i>BMC Microbiology</i> , 2005, 5, 25.	3.3	1

#	ARTICLE	IF	CITATIONS
3642	Construction of an Effective Protein Expression System Using the <i>tpl</i> Promoter in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2005, 27, 1267-1271.	2.2	3
3643	Role of Disulfide Bond of Arylsulfate Sulfotransferase in the Catalytic Activity. <i>Archives of Pharmacal Research</i> , 2005, 28, 561-565.	6.3	14
3644	Electron Paramagnetic Resonance and Fluorescence Studies of the Conformation of Aspartate Aminotransferase Bound to GroEL. <i>Protein Journal</i> , 2005, 24, 465-478.	1.6	2
3645	Physiological effects of unassembled chaperonin Cct subunits in the yeast <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2005, 22, 219-239.	1.7	40
3646	Why Is Quinidine an Inhibitor of Cytochrome P450 2D6?. <i>Journal of Biological Chemistry</i> , 2005, 280, 38617-38624.	3.4	63
3647	Quantitative measurement of protein stability from unfolding equilibria monitored with the fluorescence maximum wavelength. <i>Protein Engineering, Design and Selection</i> , 2005, 18, 445-456.	2.1	48
3648	Enterotoxin-Based Mucosal Adjuvants Alter Antigen Trafficking and Induce Inflammatory Responses in the Nasal Tract. <i>Infection and Immunity</i> , 2005, 73, 6892-6902.	2.2	75
3649	Participation of 3'-5' Exoribonucleases in the Turnover of <i>Bacillus subtilis</i> mRNA. <i>Journal of Bacteriology</i> , 2005, 187, 2758-2767.	2.2	101
3650	Characterization of the Acetate Binding Pocket in the <i>Methanosarcina thermophila</i> Acetate Kinase. <i>Journal of Bacteriology</i> , 2005, 187, 2386-2394.	2.2	47
3651	Proximity of Transmembrane Domains 1 and 3 of the $\text{H}^+$ -Aminobutyric Acid Transporter GAT-1 Inferred from Paired Cysteine Mutagenesis. <i>Journal of Biological Chemistry</i> , 2005, 280, 25512-25516.	3.4	28
3652	Detection of glutamate release from neurons by genetically encoded surface-displayed FRET nanosensors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8740-8745.	7.1	350
3653	m-Xylene-Responsive Pu - PnifH Hybrid If 54 Promoters That Overcome Physiological Control in <i>Pseudomonas putida</i> KT2442. <i>Journal of Bacteriology</i> , 2005, 187, 125-134.	2.2	14
3654	A pseudoknot in the 3' non-core region of the <i>glmS</i> ribozyme enhances self-cleavage activity. <i>Rna</i> , 2005, 11, 1788-1794.	3.5	52
3655	Golgi-to-Late Endosome Trafficking of the Yeast Pheromone Processing Enzyme Ste13p Is Regulated by a Phosphorylation Site in its Cytosolic Domain. <i>Molecular Biology of the Cell</i> , 2005, 16, 1456-1468.	2.1	13
3656	Control of Ste6 Recycling by Ubiquitination in the Early Endocytic Pathway in Yeast. <i>Molecular Biology of the Cell</i> , 2005, 16, 2809-2821.	2.1	17
3657	Substrate preference is altered by mutations in the fifth transmembrane domain of Ptr2p, the di/tri-peptide transporter of <i>Saccharomyces cerevisiae</i> . <i>Molecular Membrane Biology</i> , 2005, 22, 215-227.	2.0	27
3658	Shotgun Alanine Scanning Shows That Growth Hormone Can Bind Productively to Its Receptor through a Drastically Minimized Interface. <i>Journal of Biological Chemistry</i> , 2005, 280, 25524-25532.	3.4	38
3659	Hmi1p from <i>Saccharomyces cerevisiae</i> Mitochondria Is a Structure-specific DNA Helicase. <i>Journal of Biological Chemistry</i> , 2005, 280, 24322-24329.	3.4	18



#	ARTICLE	IF	CITATIONS
3660	Receptor-selective Mutants of Apoptosis-inducing Ligand 2/Tumor Necrosis Factor-related Apoptosis-inducing Ligand Reveal a Greater Contribution of Death Receptor (DR) 5 than DR4 to Apoptosis Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 2205-2212.	3.4	237
3661	Enhanced Dephosphorylation of cAMP-dependent Protein Kinase by Oxidation and Thiol Modification. <i>Journal of Biological Chemistry</i> , 2005, 280, 2750-2758.	3.4	122
3662	31P NMR and Genetic Analysis Establish hinT as the Only Escherichia coli Purine Nucleoside Phosphoramidase and as Essential for Growth under High Salt Conditions. <i>Journal of Biological Chemistry</i> , 2005, 280, 15356-15361.	3.4	48
3663	Transmembrane Topology of the Protein Palmitoyl Transferase Akr1. <i>Journal of Biological Chemistry</i> , 2005, 280, 10156-10163.	3.4	76
3664	Determinants of the $\epsilon$ Peptide Involved in Folding, Degradation, and Secretion of Acetylcholinesterase. <i>Journal of Biological Chemistry</i> , 2005, 280, 878-886.	3.4	22
3665	Nonfixed Relationship of the Michaelis Constant and Maximum Velocity with Their Corresponding Rate Constants. <i>Journal of Biological Chemistry</i> , 2005, 280, 30671-30680.	3.4	3
3666	Comparison of the protein-unfolding pathways between mitochondrial protein import and atomic-force microscopy measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17999-18004.	7.1	60
3667	Altered Glycosylated PrP Proteins Can Have Different Neuronal Trafficking in Brain but Do Not Acquire Scrapie-like Properties*. <i>Journal of Biological Chemistry</i> , 2005, 280, 42909-42918.	3.4	46
3668	Analysis of 2'-phosphotransferase (Tpt1p) from <i>Saccharomyces cerevisiae</i> : Evidence for a conserved two-step reaction mechanism. <i>Rna</i> , 2005, 11, 99-106.	3.5	36
3669	The N- and C-terminal RNA recognition motifs of splicing factor Prp24 have distinct functions in U6 RNA binding. <i>Rna</i> , 2005, 11, 808-820.	3.5	22
3670	Transporter-associated Currents in the $\hat{I}^3$ -Aminobutyric Acid Transporter GAT-1 Are Conditionally Impaired by Mutations of a Conserved Glycine Residue. <i>Journal of Biological Chemistry</i> , 2005, 280, 20316-20324.	3.4	18
3671	Maturation of Bacteriophage T4 Lagging Strand Fragments Depends on Interaction of T4 RNase H with T4 32 Protein Rather than the T4 Gene 45 Clamp. <i>Journal of Biological Chemistry</i> , 2005, 280, 12876-12887.	3.4	10
3672	Characterization of an Inducible Phenylserine Aldolase from <i>Pseudomonas putida</i> 24-1. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4602-4609.	3.1	23
3673	Modulation of gene expression by promoter mutants of the $\hat{I}^3$ ci857/pRM/pR system. <i>Journal of Biotechnology</i> , 2005, 116, 11-20.	3.8	26
3674	The C-terminal region of cis-retinol/androgen dehydrogenase 1 (CRAD1) confers ER localization and in vivo enzymatic function. <i>Experimental Cell Research</i> , 2005, 311, 205-217.	2.6	6
3675	The Carboxy-Terminal Tail of Pyruvate Dehydrogenase Kinase 2 Is Required for the Kinase Activity. <i>Biochemistry</i> , 2005, 44, 13573-13582.	2.5	13
3676	Intramolecular Cooperativity in a Protein Binding Site Assessed by Combinatorial Shotgun Scanning Mutagenesis. <i>Journal of Molecular Biology</i> , 2005, 347, 489-494.	4.2	26
3677	Crystal Structure of Human T-protein of Glycine Cleavage System at 2.0Å... Resolution and its Implication for Understanding Non-ketotic Hyperglycinemia. <i>Journal of Molecular Biology</i> , 2005, 351, 1146-1159.	4.2	30

#	ARTICLE	IF	CITATIONS
3678	Disruption of Shape-Complementarity Markers to Create Cytotoxic Variants of Ribonuclease A. <i>Journal of Molecular Biology</i> , 2005, 354, 41-54.	4.2	56
3679	DNA from ancient stone tools and bones excavated at Bugas-Holding, Wyoming. <i>Journal of Archaeological Science</i> , 2005, 32, 27-38.	2.4	29
3680	DNA repair fidelity of base excision repair pathways in human cell extracts. <i>DNA Repair</i> , 2005, 4, 263-270.	2.8	18
3681	Structural insight into the DNA polymerase $\beta$ deoxyribose phosphate lyase mechanism. <i>DNA Repair</i> , 2005, 4, 1347-1357.	2.8	71
3682	Catalytic mechanism of S-adenosylhomocysteine hydrolase: Roles of His 54, Asp130, Glu155, Lys185, and Asp189. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 2417-2435.	2.8	30
3683	Antibody humanization by framework shuffling. <i>Methods</i> , 2005, 36, 43-60.	3.8	60
3684	Techniques: How to boost GPCR mutagenesis studies using yeast. <i>Trends in Pharmacological Sciences</i> , 2005, 26, 533-539.	8.7	30
3685	Sulfhydryl modification of cysteine mutants of a neuronal glutamate transporter reveals an inverse relationship between sodium dependent conformational changes and the glutamate-gated anion conductance. <i>Neuropharmacology</i> , 2005, 49, 862-871.	4.1	17
3686	Disulfide locked variants of factor VIIa with a restricted $\beta$ -strand conformation have enhanced enzymatic activity. <i>Protein Science</i> , 2005, 14, 1171-1180.	7.6	12
3687	Panico virus accumulation is governed by two membrane-associated proteins with a newly identified conserved motif that contributes to pathogenicity. <i>Virology Journal</i> , 2006, 3, 12.	3.4	13
3688	A novel analytical method for in vivo phosphate tracking. <i>FEBS Letters</i> , 2006, 580, 5885-5893.	2.8	90
3689	Characterization and suppression of dysfunctional human $\alpha$ 1-antitrypsin variants. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 295-302.	2.1	6
3690	Quantitative determination of uracil residues in Escherichia coli DNA: Contribution of ung, dug, and dut genes to uracil avoidance. <i>DNA Repair</i> , 2006, 5, 1407-1420.	2.8	52
3691	Crystal Structure and Site 1 Binding Energetics of Human Placental Lactogen. <i>Journal of Molecular Biology</i> , 2006, 358, 773-784.	4.2	21
3692	Viscous Drag as the Source of Active Site Perturbation during Protease Translocation: Insights into how Inhibitory Processes are Controlled by Serpin Metastability. <i>Journal of Molecular Biology</i> , 2006, 359, 378-389.	4.2	5
3693	Conformational Transition between Four and Five-stranded Phenylalanine Zippers Determined by a Local Packing Interaction. <i>Journal of Molecular Biology</i> , 2006, 361, 168-179.	4.2	45
3694	Improving the Stability of an Antibody Variable Fragment by a Combination of Knowledge-based Approaches: Validation and Mechanisms. <i>Journal of Molecular Biology</i> , 2006, 362, 580-593.	4.2	48
3695	Expression of Bacillus Protease (Protease BYA) from Bacillus sp. Y in Bacillus subtilis and Enhancement of Its Specific Activity by Site-Directed Mutagenesis-Improvement in Productivity of Detergent Enzyme-. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 26-33.	1.4	10

#	ARTICLE	IF	CITATIONS
3696	Making Antibodies in Bacteria. , 2006, , 157-180.		18
3697	Plasminogen inhibits TNF $\alpha$ -induced apoptosis in monocytes. Blood, 2006, 107, 4383-4390.	1.4	35
3698	The differential catalytic activity of ribosome-inactivating proteins saporin 5 and 6 is due to a single substitution at position 162. Biochemical Journal, 2006, 400, 99-104.	3.7	16
3699	The carboxyl-terminal extension on fungal mitochondrial DNA polymerases: identification of a critical region of the enzyme from <i>Saccharomyces cerevisiae</i> . Yeast, 2006, 23, 101-116.	1.7	14
3700	OHIO-1 $\beta$ -lactamase mutants: Asp179Gly mutation confers resistance to ceftazidime. FEMS Microbiology Letters, 2006, 152, 275-278.	1.8	8
3701	The hydrophilic C-terminal part of the lambda S holin is non-essential for intermolecular interactions. FEMS Microbiology Letters, 2006, 153, 393-398.	1.8	7
3702	Development of a technique for multiple site-directed mutagenesis of the <i>ftf</i> gene of <i>Streptococcus salivarius</i> containing palindromic sequences. FEMS Microbiology Letters, 2006, 153, 447-453.	1.8	4
3703	Diversity and junction residues as hotspots of binding energy in an antibody neutralizing the dengue virus. FEBS Journal, 2006, 273, 34-46.	4.7	19
3704	Phosphorylation and functional analysis of PilA, a protein involved in the transcriptional regulation of the pilin gene in <i>Neisseria gonorrhoeae</i> . Molecular Microbiology, 2006, 15, 667-677.	2.5	19
3705	Interactions of two abscisic-acid induced WRKY genes in repressing gibberellin signaling in aleurone cells. Plant Journal, 2006, 46, 231-242.	5.7	173
3706	Dominant $\epsilon$ -negative interference with defence signalling by truncation mutations of the tomato Cf-9 disease resistance gene. Plant Journal, 2006, 46, 385-399.	5.7	6
3707	Effect of disulfide-bond introduction on the activity and stability of the extended-spectrum class A $\beta$ -lactamase Toho-1. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 1349-1355.	2.3	9
3708	Recombinant <i>Candida utilis</i> for the production of biotin. Applied Microbiology and Biotechnology, 2006, 71, 211-221.	3.6	21
3709	FGFR4 GLY388 isotype suppresses motility of MDA-MB-231 breast cancer cells by EDG-2 gene repression. Cellular Signalling, 2006, 18, 783-794.	3.6	50
3710	Faux mutagenesis: Teaching troubleshooting through controlled failure. Biochemistry and Molecular Biology Education, 2006, 34, 37-43.	1.2	3
3711	Targeted molecular brachytherapy. Drug Development Research, 2006, 67, 94-106.	2.9	8
3712	A mutant human IgG molecule with only one C1q binding site can activate complement and induce lysis of target cells. European Journal of Immunology, 2006, 36, 129-138.	2.9	11
3713	Chemical rescue, multiple ionizable groups, and general acid-base catalysis in the HDV genomic ribozyme. Rna, 2006, 12, 1282-1291.	3.5	43

#	ARTICLE	IF	CITATIONS
3714	Intronic Alternative Splicing Regulators Identified by Comparative Genomics in Nematodes. PLoS Computational Biology, 2006, 2, e86.	3.2	86
3715	Identification of human tRNA:m5C methyltransferase catalysing intron-dependent m5C formation in the first position of the anticodon of the $\text{pre-tRNA}_{\text{Leu}}^{\text{CAA}}$ . Nucleic Acids Research, 2006, 34, 6034-6043.	14.5	162
3716	Identification of a Lithium Interaction Site in the $\hat{\text{I}}^3$ -Aminobutyric Acid (GABA) Transporter GAT-1. Journal of Biological Chemistry, 2006, 281, 22092-22099.	3.4	57
3717	Locus-Specific Control of DNA Methylation by the Arabidopsis SUVH5 Histone Methyltransferase. Plant Cell, 2006, 18, 1166-1176.	6.6	282
3718	The Upstream-activating Sequences of the $\hat{\text{I}}^f54$ Promoter Pu of Pseudomonas putida Filter Transcription Readthrough from Upstream Genes. Journal of Biological Chemistry, 2006, 281, 11940-11948.	3.4	8
3719	Rapid Metabolism of Glucose Detected with FRET Glucose Nanosensors in Epidermal Cells and Intact Roots of Arabidopsis RNA-Silencing Mutants. Plant Cell, 2006, 18, 2314-2325.	6.6	170
3720	A seven-helix coiled coil. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15457-15462.	7.1	211
3721	Multiple Consequences of Mutating Two Conserved $\hat{\text{I}}^2$ -Bridge Forming Residues in the Translocation Cycle of a Neuronal Glutamate Transporter. Journal of Biological Chemistry, 2006, 281, 27905-27915.	3.4	32
3722	Tyr-48, a conserved residue in ribotoxins, is involved in the RNA-degrading activity of $\hat{\text{I}}^\pm$ -sarcin. Biological Chemistry, 2006, 387, 535-41.	2.5	16
3723	A Proton Delivery Pathway in the Soluble Fumarate Reductase from Shewanella frigidimarina. Journal of Biological Chemistry, 2006, 281, 20589-20597.	3.4	47
3724	Crystal Structure of the Human B-form Low Molecular Weight Phosphotyrosyl Phosphatase at 1.6-Å... Resolution. Journal of Biological Chemistry, 2006, 281, 6520-6527.	3.4	34
3725	IN SILICO AND IN VITRO SCREENING FOR INHIBITION OF CYTOCHROME P450 CYP3A4 BY COMEDICATIONS COMMONLY USED BY PATIENTS WITH CANCER. Drug Metabolism and Disposition, 2006, 34, 534-538.	3.3	58
3726	Structural and Functional Studies Suggest a Catalytic Mechanism for the Phosphotransacetylase from Methanosarcina thermophila. Journal of Bacteriology, 2006, 188, 1143-1154.	2.2	37
3727	TheSaccharomyces cerevisiaeSpindle Pole Body (SPB) Component Nbp1p Is Required for SPB Membrane Insertion and Interacts with the Integral Membrane Proteins Ndc1p and Mps2p. Molecular Biology of the Cell, 2006, 17, 1959-1970.	2.1	42
3728	Interacting Residues in an Activated State of a G Protein-coupled Receptor. Journal of Biological Chemistry, 2006, 281, 2263-2272.	3.4	23
3729	Fine Tuning PDK1 Activity by Phosphorylation at Ser163. Journal of Biological Chemistry, 2006, 281, 21588-21593.	3.4	23
3730	Signal Peptide Peptidase-catalyzed Cleavage of Hepatitis C Virus Core Protein Is Dispensable for Virus Budding but Destabilizes the Viral Capsid. Journal of Biological Chemistry, 2006, 281, 27679-27692.	3.4	36
3731	Glutamine-dependent NAD <sup>+</sup> Synthetase. Journal of Biological Chemistry, 2006, 281, 33395-33402.	3.4	50

#	ARTICLE	IF	CITATIONS
3732	Screening phage display libraries for organ-specific vascular immunotargeting <i>in vivo</i> . Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 407-412.	7.1	100
3733	Crucial Role of the 5' Conserved Structure of Bamboo Mosaic Virus Satellite RNA in Downregulation of Helper Viral RNA Replication. Journal of Virology, 2006, 80, 2566-2574.	3.4	29
3734	Conversion of a Putative Agrobacterium Sugar-binding Protein into a FRET Sensor with High Selectivity for Sucrose. Journal of Biological Chemistry, 2006, 281, 30875-30883.	3.4	93
3735	Effect of Mg <sup>2+</sup> on the DNA Binding Modes of the Streptococcus pneumoniae SsbA and SsbB Proteins. Journal of Biological Chemistry, 2006, 281, 2087-2094.	3.4	12
3736	Aspartate-444 Is Essential for Productive Substrate Interactions in a Neuronal Glutamate Transporter. Journal of General Physiology, 2007, 129, 527-539.	1.9	35
3737	Conformationally Sensitive Reactivity to Permeant Sulfhydryl Reagents of Cysteine Residues Engineered into Helical Hairpin 1 of the Glutamate Transporter GLT-1. Molecular Pharmacology, 2007, 71, 1341-1348.	2.3	19
3738	Structural Consequences of Mutations in Interfacial Tyr Residues of a Protein Antigen-Antibody Complex. Journal of Biological Chemistry, 2007, 282, 6783-6791.	3.4	44
3739	Malic Enzyme Cofactor and Domain Requirements for Symbiotic N <sub>2</sub> Fixation by Sinorhizobium meliloti. Journal of Bacteriology, 2007, 189, 160-168.	2.2	15
3740	Telomerase core components protect <i>Candida</i> telomeres from aberrant overhang accumulation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11682-11687.	7.1	34
3741	Molecular and Structural Bases for the Antigenicity of VP2 of Infectious Bursal Disease Virus. Journal of Virology, 2007, 81, 12827-12835.	3.4	128
3742	Assembly of Acetylcholinesterase Tetramers by Peptidic Motifs from the Proline-rich Membrane Anchor, PRiMA. Journal of Biological Chemistry, 2007, 282, 3487-3497.	3.4	26
3743	Escherichia coli ribosomal protein L20 binds as a single monomer to its own mRNA bearing two potential binding sites. Nucleic Acids Research, 2007, 35, 3016-3031.	14.5	14
3744	Overexpression of DNA polymerase $\beta$ results in an increased rate of frameshift mutations during base excision repair. Mutagenesis, 2007, 22, 183-188.	2.6	43
3745	Oligonucleotides: Superspecific Ligands for Targeting Nucleic Acids and Proteins and Development of Molecular Devices. Perspectives in Supramolecular Chemistry, 2007, , 89-147.	0.1	0
3746	Combined Simulation and Mutagenesis Analyses Reveal the Involvement of Key Residues for Peroxisome Proliferator-activated Receptor $\alpha$ Helix 12 Dynamic Behavior. Journal of Biological Chemistry, 2007, 282, 9666-9677.	3.4	33
3747	The motor activity of myosin-X promotes actin fiber convergence at the cell periphery to initiate filopodia formation. Journal of Cell Biology, 2007, 179, 229-238.	5.2	128
3748	Distinct Functions of the Two Specificity Determinants in Replication Initiation of Plasmids ColE2-P9 and ColE3-CA38. Journal of Bacteriology, 2007, 189, 2392-2400.	2.2	5
3749	Brc1-Mediated Rescue of Smc5/6 Deficiency: Requirement for Multiple Nucleases and a Novel Rad18 Function. Genetics, 2007, 175, 1585-1595.	2.9	33

#	ARTICLE	IF	CITATIONS
3750	Mapping to completeness and transplantation of a group-specific, discontinuous, neutralizing epitope in the envelope protein of dengue virus. <i>Journal of General Virology</i> , 2007, 88, 2387-2397.	2.9	56
3751	Molecular Determinants of Antiviral Potency of Paramyxovirus Entry Inhibitors. <i>Journal of Virology</i> , 2007, 81, 10567-10574.	3.4	70
3752	Monoclonal Antibody Clearance. <i>Journal of Biological Chemistry</i> , 2007, 282, 1709-1717.	3.4	148
3753	Evidence for functional significance of the permuted C motif in Co2+-stimulated RNA-dependent RNA polymerase of infectious bursal disease virus. <i>Journal of General Virology</i> , 2007, 88, 2824-2833.	2.9	11
3754	Real-time monitoring of functional interactions between upstream and core promoter sequences in living cells of sea urchin embryos. <i>Nucleic Acids Research</i> , 2007, 35, 4882-4894.	14.5	4
3755	Assembly of Regulatory Factors on rRNA and Ribosomal Protein Genes in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2007, 27, 6686-6705.	2.3	69
3756	Roles of Protein Kinase C and Actin-Binding Protein 280 in the Regulation of Intracellular Trafficking of Dopamine D3 Receptor. <i>Molecular Endocrinology</i> , 2007, 21, 2242-2254.	3.7	75
3757	Mutations in Residues Involved in Zinc Binding in the Catalytic Site of <i>Escherichia coli</i> Threonyl-tRNA Synthetase Confer a Dominant Lethal Phenotype. <i>Journal of Bacteriology</i> , 2007, 189, 6839-6848.	2.2	5
3758	A novel interaction between DNA ligase III and DNA polymerase $\beta$ plays an essential role in mitochondrial DNA stability. <i>Biochemical Journal</i> , 2007, 402, 175-186.	3.7	20
3759	Characterization of human pre-elafin mutants: full antipeptidase activity is essential to preserve lung tissue integrity in experimental emphysema. <i>Biochemical Journal</i> , 2007, 405, 455-463.	3.7	15
3760	Mutant $\beta$ -galactosidase A enzymes identified in Fabry disease patients with residual enzyme activity: biochemical characterization and restoration of normal intracellular processing by 1-deoxygalactonojirimycin. <i>Biochemical Journal</i> , 2007, 406, 285-295.	3.7	129
3761	Affinity purification and characterization of a G-protein coupled receptor, <i>Saccharomyces cerevisiae</i> Ste2p. <i>Protein Expression and Purification</i> , 2007, 56, 62-71.	1.3	20
3762	Role of unique basic residues of human pancreatic ribonuclease in its catalysis and structural stability. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 809-814.	2.1	8
3763	Interdomain A is crucial for ITAM-dependent and -independent regulation of Syk. <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 111-117.	2.1	9
3764	The proline permease of <i>Aspergillus nidulans</i> : Functional replacement of the native cysteine residues and properties of a cysteine-less transporter. <i>Fungal Genetics and Biology</i> , 2007, 44, 615-626.	2.1	6
3765	Binding Hot Spots in the TEM1-BLIP Interface in Light of its Modular Architecture. <i>Journal of Molecular Biology</i> , 2007, 365, 663-679.	4.2	81
3766	Multiple Origins of Replication Contribute to a Discontinuous Pattern of DNA Synthesis Across the T4 Genome During Infection. <i>Journal of Molecular Biology</i> , 2007, 368, 336-348.	4.2	8
3767	When the Surface Tells What Lies Beneath: Combinatorial Phage-display Mutagenesis Reveals Complex Networks of Surface-Core Interactions in the Pacifastin Protease Inhibitor Family. <i>Journal of Molecular Biology</i> , 2007, 370, 63-79.	4.2	20



#	ARTICLE	IF	CITATIONS
3768	A Secondary Xylan-binding Site Enhances the Catalytic Activity of a Single-domain Family 11 Glycoside Hydrolase. <i>Journal of Molecular Biology</i> , 2007, 373, 337-354.	4.2	61
3769	Requirement of Helix P2.2 and Nucleotide G1 for Positioning the Cleavage Site and Cofactor of the glmS Ribozyme. <i>Journal of Molecular Biology</i> , 2007, 373, 178-189.	4.2	82
3770	High-throughput Generation of Synthetic Antibodies from Highly Functional Minimalist Phage-displayed Libraries. <i>Journal of Molecular Biology</i> , 2007, 373, 924-940.	4.2	315
3771	Phenylalanine Promotes Interaction of Transmembrane Domains via GxxxG Motifs. <i>Journal of Molecular Biology</i> , 2007, 374, 705-718.	4.2	79
3772	Chlorophyllase Is a Rate-Limiting Enzyme in Chlorophyll Catabolism and Is Posttranslationally Regulated. <i>Plant Cell</i> , 2007, 19, 1007-1022.	6.6	213
3773	Active site mutagenesis of the putative Diels-Alderase macrophomate synthase. <i>Chemical Communications</i> , 2007, , 1701-1703.	4.1	4
3774	Investigation of the <i>Methanosarcina thermophila</i> Acetate Kinase Mechanism by Fluorescence Quenching. <i>Biochemistry</i> , 2007, 46, 14170-14176.	2.5	23
3775	Humanized IgG1 Variants with Differential Binding Properties to the Neonatal Fc Receptor: Relationship to Pharmacokinetics in Mice and Primates. <i>Drug Metabolism and Disposition</i> , 2007, 35, 86-94.	3.3	130
3776	Dimerisation of HIV-2 genomic RNA is linked to efficient RNA packaging, normal particle maturation and viral infectivity. <i>Retrovirology</i> , 2007, 4, 90.	2.0	22
3777	<i>Theileria annulata</i> sporozoite surface antigen (SPAG1) contains neutralizing determinants in the C terminus. <i>Parasite Immunology</i> , 1994, 16, 97-104.	1.5	34
3778	Reversible Inactivation of the CG Specific SssI DNA (Cytosine-C5)-Methyltransferase with a Photocleavable Protecting Group. <i>ChemBioChem</i> , 2007, 8, 202-207.	2.6	25
3779	Towards a ligand targeted enzyme prodrug therapy: Single round panning of a $\beta$ -lactamase scaffold library on human cancer cells. <i>International Journal of Cancer</i> , 2007, 120, 2233-2242.	5.1	8
3780	Engineering molecular recognition of endoxylanase enzymes and their inhibitors through phage display. <i>Journal of Molecular Recognition</i> , 2007, 20, 103-112.	2.1	16
3781	TRAF activation of C/EBP $\beta$ (NF-IL6) via p38 MAPK induces HIV-1 gene expression in monocytes/macrophages. <i>Microbes and Infection</i> , 2007, 9, 721-728.	1.9	22
3782	Identifying specificity profiles for peptide recognition modules from phage-displayed peptide libraries. <i>Nature Protocols</i> , 2007, 2, 1368-1386.	12.0	174
3783	Distinct faces of the Ku heterodimer mediate DNA repair and telomeric functions. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 301-307.	8.2	88
3784	Maltose binding protein (MalE) interacts with periplasmic loops P2 and P1 respectively of the MalFG subunits of the maltose ATP binding cassette transporter (MalFGK <sub>2</sub> ) from <i>Escherichia coli</i> / <i>Salmonella</i> during the transport cycle. <i>Molecular Microbiology</i> , 2007, 66, 1107-1122.	2.5	37
3785	Validation of microtubule-associated Tobacco mosaic virus RNA movement and involvement of microtubule-aligned particle trafficking. <i>Plant Journal</i> , 2007, 51, 589-603.	5.7	79

#	ARTICLE	IF	CITATIONS
3786	Structural and functional consequences of single amino acid substitutions in the pyrimidine base binding pocket of Escherichia coli CMP kinase. FEBS Journal, 2007, 274, 3363-3373.	4.7	17
3787	Cysteine at Position 217 in the Intracellular Loop 1 Plays a Critical Role in Human PTH Receptor Type 1 Membrane Translocation and Function. Journal of Bone and Mineral Research, 2007, 22, 609-616.	2.8	6
3788	Rtf1 Is a Multifunctional Component of the Paf1 Complex That Regulates Gene Expression by Directing Cotranscriptional Histone Modification. Molecular and Cellular Biology, 2007, 27, 6103-6115.	2.3	90
3789	Structural factors affecting the choice between latency transition and polymerization in inhibitory serpins. Protein Science, 2007, 16, 833-841.	7.6	5
3790	Structural and functional analysis of the ligand specificity of the HtrA2/Omi PDZ domain. Protein Science, 2007, 16, 1738-1750.	7.6	51
3791	Specific interactions of serpins in their native forms attenuate their conformational transitions. Protein Science, 2007, 16, 1659-1666.	7.6	5
3792	Structural and functional analysis of the PDZ domains of human HtrA1 and HtrA3. Protein Science, 2007, 16, 2454-2471.	7.6	86
3793	Tryptophan 171 in Pharaonis Phoborhodopsin (Sensory Rhodopsin II) Interacts with the Chromophore Retinal and its Substitution with Alanine or Threonine Slowed Down the Decay of M- and O-intermediate. Photochemistry and Photobiology, 2007, 83, 328-335.	2.5	2
3794	Human eosinophil-derived neurotoxin: involvement of a putative non-catalytic phosphate-binding subsite in its catalysis. Molecular and Cellular Biochemistry, 2007, 303, 175-181.	3.1	24
3795	Photoproduction of hydrogen by sulfur-deprived C. reinhardtii mutants with impaired Photosystem II photochemical activity. Photosynthesis Research, 2007, 94, 79-89.	2.9	68
3796	A Minimal Promoter for the GABAA Receptor $\alpha 6$ -Subunit Gene Controls Tissue Specificity. Journal of Neurochemistry, 2008, 74, 1858-1869.	3.9	24
3797	High-Resolution Mapping of GenS3 and B11F7 Epitopes on Myelin-Associated Glycoprotein by Expression PCR. Journal of Neurochemistry, 1994, 62, 854-862.	3.9	8
3798	The chromosome partitioning protein, ParB, is required for cytokinesis in <i>Caulobacter crescentus</i> . Molecular Microbiology, 2001, 42, 741-755.	2.5	153
3799	Ribonuclease S-peptide as a carrier in fusion proteins. Protein Science, 1993, 2, 348-356.	7.6	178
3800	Protein structure refinement based on paramagnetic NMR shifts: Applications to wild-type and mutant forms of cytochrome <i>c</i> . Protein Science, 1995, 4, 296-305.	7.6	92
3801	Recombinant immunoglobulin variable domains generated from synthetic genes provide a system for in vitro characterization of light-chain amyloid proteins. Protein Science, 1995, 4, 421-432.	7.6	98
3802	Chemical and Genetic Wrappers for Improved Phage and RNA Display. ChemBioChem, 2008, 9, 2846-2852.	2.6	29
3803	Expression and biophysical analysis of two double-transmembrane domain-containing fragments from a yeast G protein-coupled receptor. Biopolymers, 2008, 90, 117-130.	2.4	22

#	ARTICLE	IF	CITATIONS
3804	A streamlined molecular biology module for undergraduate biochemistry labs. <i>Biochemistry and Molecular Biology Education</i> , 2008, 36, 209-216.	1.2	9
3805	A Heterospecific Leucine Zipper Tetramer. <i>Chemistry and Biology</i> , 2008, 15, 908-919.	6.0	15
3806	Variants of ribonuclease inhibitor that resist oxidation. <i>Protein Science</i> , 1999, 8, 430-434.	7.6	31
3807	Role of the lateral channel in catalase HP11 of <i>Escherichia coli</i> . <i>Protein Science</i> , 1999, 8, 490-498.	7.6	31
3808	Physicochemical consequences of amino acid variations that contribute to fibril formation by immunoglobulin light chains. <i>Protein Science</i> , 1999, 8, 509-517.	7.6	147
3809	Mutational analysis of the major coat protein of M13 identifies residues that control protein display. <i>Protein Science</i> , 2000, 9, 647-654.	7.6	25
3810	Novel disulfide engineering in human carbonic anhydrase II using the PAIRWISE side-chain geometry database. <i>Protein Science</i> , 2000, 9, 776-785.	7.6	22
3811	Structural insight into the TFIIIE-TFIIF interaction: TFIIIE and p53 share the binding region on TFIIF. <i>EMBO Journal</i> , 2008, 27, 1161-1171.	7.8	51
3812	Kemp elimination catalysts by computational enzyme design. <i>Nature</i> , 2008, 453, 190-195.	27.8	1,130
3813	Structural and functional analysis of the interaction between the agonistic monoclonal antibody Apomab and the proapoptotic receptor DR5. <i>Cell Death and Differentiation</i> , 2008, 15, 751-761.	11.2	132
3814	The <i>Schizosaccharomyces pombe</i> Map4 adhesin is a glycoprotein that can be extracted from the cell wall with alkali but not with $\beta$ -glucanases and requires the C-terminal DIPS domain for function. <i>Molecular Microbiology</i> , 2008, 69, 1476-1490.	2.5	15
3815	Human Topoisomerase III $\alpha$ is Phosphorylated in a Cell Cycle Phase-Dependent Manner by a Proline-Directed Kinase. <i>FEBS Journal</i> , 1995, 231, 491-497.	0.2	21
3816	Substitution of Arg230 and Arg233 in <i>Escherichia coli</i> Elongation Factor Tu Strongly Enhances Its Pulvomycin Resistance. <i>FEBS Journal</i> , 1995, 227, 816-822.	0.2	3
3817	Probing the function of the conserved tryptophan in the flexible loop of the <i>Yersinia</i> protein-tyrosine phosphatase. <i>FEBS Journal</i> , 2008, 259, 809-814.	0.2	53
3818	Erythropoietin: Mammalian Sequences and Scanning Deletions Support a Four Alpha-Helical Bundle Structural Model <sup>a</sup> . <i>Annals of the New York Academy of Sciences</i> , 1994, 718, 203-212.	3.8	2
3819	Structure and Thermodynamics of Antigen Recognition by Antibodies <sup>a</sup> . <i>Annals of the New York Academy of Sciences</i> , 1995, 764, 315-327.	3.8	10
3821	Yeast Cytosine Deaminase Mutants with Increased Thermostability Impart Sensitivity to 5-Fluorocytosine. <i>Journal of Molecular Biology</i> , 2008, 377, 854-869.	4.2	38
3822	A New Member of the Alkaline Phosphatase Superfamily with a Formylglycine Nucleophile: Structural and Kinetic Characterisation of a Phosphonate Monoester Hydrolase/Phosphodiesterase from <i>Rhizobium leguminosarum</i> . <i>Journal of Molecular Biology</i> , 2008, 384, 120-136.	4.2	65

#	ARTICLE	IF	CITATIONS
3823	EglD, a putative endoglucanase, with an expansin like domain is localized in the conidial cell wall of <i>Aspergillus nidulans</i> . <i>Fungal Genetics and Biology</i> , 2008, 45, 839-850.	2.1	29
3824	GLUT1 and GLUT9 as major contributors to glucose influx in HepG2 cells identified by a high sensitivity intramolecular FRET glucose sensor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1091-1099.	2.6	278
3825	Sequence determinants regulating fibrillation of human $\alpha$ -synuclein. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 772-778.	2.1	43
3826	Mutations in the gene encoding CADM1 are associated with autism spectrum disorder. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 926-929.	2.1	92
3827	Intracellular Retention of Human Melanocortin-4 Receptor: A Molecular Mechanism Underlying Early-onset Obesity in F261S Pedigree of Chinese. <i>Biomedical and Environmental Sciences</i> , 2008, 21, 280-285.	0.2	6
3828	Factor Xa Active Site Substrate Specificity with Substrate Phage Display and Computational Molecular Modeling. <i>Journal of Biological Chemistry</i> , 2008, 283, 12343-12353.	3.4	25
3829	Interactions of Two Transcriptional Repressors and Two Transcriptional Activators in Modulating Gibberellin Signaling in Aleurone Cells $\bar{A}$ . <i>Plant Physiology</i> , 2008, 148, 176-186.	4.8	68
3830	Control of feeding behavior in <i>C. elegans</i> by human G protein-coupled receptors permits screening for agonist-expressing bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14826-14831.	7.1	6
3831	Substrates and Non-transportable Analogues Induce Structural Rearrangements at the Extracellular Entrance of the Glial Glutamate Transporter GLT-1/EAAT2. <i>Journal of Biological Chemistry</i> , 2008, 283, 26391-26400.	3.4	28
3832	The poly(A) site sequence in HDV RNA alters both extent and rate of self-cleavage of the antigenomic ribozyme. <i>Nucleic Acids Research</i> , 2008, 36, 2990-3000.	14.5	9
3833	Regulation of Chk1 by Its C-terminal Domain. <i>Molecular Biology of the Cell</i> , 2008, 19, 4546-4553.	2.1	28
3834	The Substrates of the $\beta^3$ -Aminobutyric Acid Transporter GAT-1 Induce Structural Rearrangements around the Interface of Transmembrane Domains 1 and 6. <i>Journal of Biological Chemistry</i> , 2008, 283, 14376-14383.	3.4	29
3835	Acetylcholinesterase Associates Differently with Its Anchoring Proteins ColQ and PRiMA. <i>Journal of Biological Chemistry</i> , 2008, 283, 20722-20732.	3.4	23
3836	Conformational Changes in the Parathyroid Hormone Receptor Associated with Activation by Agonist. <i>Molecular Endocrinology</i> , 2008, 22, 1154-1162.	3.7	21
3837	Protein CutA Undergoes an Unusual Transfer into the Secretory Pathway and Affects the Folding, Oligomerization, and Secretion of Acetylcholinesterase. <i>Journal of Biological Chemistry</i> , 2009, 284, 5195-5207.	3.4	17
3838	Transmembrane Domain 8 of the $\beta^3$ -Aminobutyric Acid Transporter GAT-1 Lines a Cytoplasmic Accessibility Pathway into Its Binding Pocket. <i>Journal of Biological Chemistry</i> , 2009, 284, 9727-9732.	3.4	19
3839	The equivalent of a thallium binding residue from an archeal homolog controls cation interactions in brain glutamate transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14297-14302.	7.1	35
3840	Identification of cyclic peptides able to mimic the functional epitope of IgG1 $\alpha$ FC for human Fc $\gamma$ RI. <i>FASEB Journal</i> , 2009, 23, 575-585.	0.5	17

#	ARTICLE	IF	CITATIONS
3841	Improving Therapeutic Efficacy of a Complement Receptor by Structure-based Affinity Maturation. <i>Journal of Biological Chemistry</i> , 2009, 284, 35605-35611.	3.4	11
3842	Role of catalytic and non-catalytic subsite residues in ribonuclease activity of human eosinophil-derived neurotoxin. <i>Biological Chemistry</i> , 2009, 390, 225-234.	2.5	9
3843	Dissection of the sequence-specific DNA binding and exonuclease activities reveals a superactive yet apoptotically impaired mutant p53 protein. <i>Cell Cycle</i> , 2009, 8, 1603-1615.	2.6	35
3844	A short motif in <i>Drosophila</i> SECIS Binding Protein 2 provides differential binding affinity to SECIS RNA hairpins. <i>Nucleic Acids Research</i> , 2009, 37, 2126-2141.	14.5	42
3845	Functional electric field changes in photoactivated proteins revealed by ultrafast Stark spectroscopy of the Trp residues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7718-7723.	7.1	42
3846	Infochemistry and infofuses for the chemical storage and transmission of coded information. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9147-9150.	7.1	40
3847	Smc5-Smc6-Dependent Removal of Cohesin from Mitotic Chromosomes. <i>Molecular and Cellular Biology</i> , 2009, 29, 4363-4375.	2.3	48
3848	Nested Genes <i>CDA12</i> and <i>CDA13</i> Encode Proteins Associated with Membrane Trafficking in the Ciliate <i>Tetrahymena thermophila</i> . <i>Eukaryotic Cell</i> , 2009, 8, 899-912.	3.4	21
3849	Inward-facing conformation of glutamate transporters as revealed by their inverted-topology structural repeats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20752-20757.	7.1	140
3850	Molecular Evolution of Cystine-Stabilized Miniproteins as Stable Proteinaceous Binders. <i>Structure</i> , 2009, 17, 620-631.	3.3	17
3851	Structural and mechanistic implications of incorporating naturally occurring aberrant mutations of human dihydropteridine reductase into a rat model. <i>International Journal of Peptide and Protein Research</i> , 1994, 44, 278-287.	0.1	2
3852	Isolation and characterization of 45 polymorphic microsatellites from the bovine genome. <i>Animal Genetics</i> , 1996, 27, 43-47.	1.7	25
3853	Direct and indirect roles of His <sup>418</sup> in metal binding and in the activity of Î²-galactosidase ( <i>E. coli</i> ). <i>Protein Science</i> , 2009, 18, 1281-1292.	7.6	36
3854	Central forkhead domain of human TFIIÎ² plays a primary role in binding double-stranded DNA at transcription initiation. <i>Genes To Cells</i> , 2009, 14, 395-405.	1.2	7
3855	Sequential processing of hepatitis C virus core protein by host cell signal peptidase and signal peptide peptidase: a reassessment. <i>Journal of Viral Hepatitis</i> , 2009, 16, 705-715.	2.0	46
3856	Exploitation of binding energy for catalysis and design. <i>Nature</i> , 2009, 461, 1300-1304.	27.8	86
3857	Respective roles of the catalytic domains and C-terminal tail peptides in the oligomerization and secretory trafficking of human acetylcholinesterase and butyrylcholinesterase. <i>FEBS Journal</i> , 2009, 276, 94-108.	4.7	10
3858	Unusual transfer of CutA into the secretory pathway, evidenced by fusion proteins with acetylcholinesterase. <i>FEBS Journal</i> , 2009, 276, 4473-4482.	4.7	3

#	ARTICLE	IF	CITATIONS
3859	Mutational analysis of the CG recognizing DNA methyltransferase SssI: Insight into enzymeâ€œDNA interactions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1654-1662.	2.3	32
3860	Cloning and characterization of the 1â€œdeoxyâ€œscp>D</scp>â€œxylulose 5â€œphosphate reductoisomerase gene for diterpenoid tanshinone biosynthesis in <i>Salvia miltiorrhiza</i> (Chinese sage) hairy roots. <i>Biotechnology and Applied Biochemistry</i> , 2009, 52, 89-95.	3.1	55
3861	Factors contributing to decreased protein stability when aspartic acid residues are in $\beta^2$ -sheet regions. <i>Protein Science</i> , 2009, 11, 1687-1694.	7.6	21
3862	Distinct Role of Specific Tryptophans in Facilitating Electron Transfer or as [Fe(IV)=O Trp<sup>â€œ</sup>] Intermediates in the Peroxidase Reaction of <i>Bulkholderia pseudomallei</i> Catalase-Peroxidase: A Multifrequency EPR Spectroscopy Investigation. <i>Journal of the American Chemical Society</i> , 2009, 131, 8557-8563.	13.7	45
3863	Hapten-Induced Dimerization of a Single-Domain VHH Camelid Antibody. <i>Biochemistry</i> , 2009, 48, 6693-6695.	2.5	24
3864	Interactions of Plasminogen Activator Inhibitor-1 with Vitronectin Involve an Extensive Binding Surface and Induce Mutual Conformational Rearrangements. <i>Biochemistry</i> , 2009, 48, 1723-1735.	2.5	20
3865	Studying chaperoneâ€œproteases using a real-time approach based on FRET. <i>Journal of Structural Biology</i> , 2009, 168, 267-277.	2.8	22
3866	Docking of Antizyme to Ornithine Decarboxylase and Antizyme Inhibitor using Experimental Mutant and Double-Mutant Cycle Data. <i>Journal of Molecular Biology</i> , 2009, 390, 503-515.	4.2	19
3867	Improving Antibody Binding Affinity and Specificity for Therapeutic Development. <i>Methods in Molecular Biology</i> , 2009, 525, 353-376.	0.9	35
3868	Design and Construction of Synthetic Phage-Displayed Fab Libraries. <i>Methods in Molecular Biology</i> , 2009, 562, 17-35.	0.9	7
3869	Engineering Human IgG1 Affinity to Human Neonatal Fc Receptor: Impact of Affinity Improvement on Pharmacokinetics in Primates. <i>Journal of Immunology</i> , 2009, 182, 7663-7671.	0.8	237
3870	Production and characterization of a genetically engineered anti-caffeine camelid antibody and its use in immunoaffinity chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 177-186.	2.3	31
3871	The YEATS domain of Taf14 in <i>Saccharomyces cerevisiae</i> has a negative impact on cell growth. <i>Molecular Genetics and Genomics</i> , 2010, 283, 365-380.	2.1	20
3872	Antibody Fab display and selection through fusion to the pIX coat protein of filamentous phage. <i>Journal of Immunological Methods</i> , 2010, 360, 39-46.	1.4	19
3873	Structure of D-AKAP2:PKA RI Complex: Insights into AKAP Specificity and Selectivity. <i>Structure</i> , 2010, 18, 155-166.	3.3	98
3874	Loss of <i>Caenorhabditis elegans</i> UNG-1 uracil-DNA glycosylase affects apoptosis in response to DNA damaging agents. <i>DNA Repair</i> , 2010, 9, 861-870.	2.8	17
3875	Mutagenesis of the <i>Sauromatum guttatum</i> alternative oxidase reveals features important for oxygen binding and catalysis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 732-737.	1.0	33
3876	Creation of lysine-deficient mutant lymphotoxin- $\beta$ with receptor selectivity by using a phage display system. <i>Biomaterials</i> , 2010, 31, 1935-1943.	11.4	12



#	ARTICLE	IF	CITATIONS
3877	The inducer maltotriose binds in the central cavity of the tetratricopeptide-like sensor domain of MaltT, a bacterial STAND transcription factor. <i>Molecular Microbiology</i> , 2010, 77, 628-641.	2.5	14
3878	Contribution of Asparagine Residues to the Stabilization of a Proteinaceous Antigen-Antibody Complex, HyHEL-10-Hen Egg White Lysozyme. <i>Journal of Biological Chemistry</i> , 2010, 285, 7686-7696.	3.4	18
3879	A Therapeutic Anti-VEGF Antibody with Increased Potency Independent of Pharmacokinetic Half-life. <i>Cancer Research</i> , 2010, 70, 3269-3277.	0.9	91
3880	Mechanism of Cation Binding to the Glutamate Transporter EAAC1 Probed with Mutation of the Conserved Amino Acid Residue Thr101. <i>Journal of Biological Chemistry</i> , 2010, 285, 17725-17733.	3.4	45
3881	Isonicotinic Acid Hydrazide Conversion to Isonicotinyl-NAD by Catalase-peroxidases. <i>Journal of Biological Chemistry</i> , 2010, 285, 26662-26673.	3.4	55
3882	Engineering Anti-vascular Endothelial Growth Factor Single Chain Disulfide-stabilized Antibody Variable Fragments (sc-dsFv) with Phage-displayed sc-dsFv Libraries. <i>Journal of Biological Chemistry</i> , 2010, 285, 7880-7891.	3.4	15
3883	A Conserved Methionine Residue Controls the Substrate Selectivity of a Neuronal Glutamate Transporter. <i>Journal of Biological Chemistry</i> , 2010, 285, 21241-21248.	3.4	16
3884	Targeting Acetylcholinesterase to Membrane Rafts. <i>Journal of Biological Chemistry</i> , 2010, 285, 11537-11546.	3.4	49
3885	Conserved Motifs Involved in ATP Hydrolysis by MaltT, a Signal Transduction ATPase with Numerous Domains from <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2010, 192, 5181-5191.	2.2	13
3886	Inhibition of Nipah Virus Infection In Vivo: Targeting an Early Stage of Paramyxovirus Fusion Activation during Viral Entry. <i>PLoS Pathogens</i> , 2010, 6, e1001168.	4.7	115
3887	Glutathione Peroxidase Regulation of Reactive Oxygen Species Level is Crucial for In Vitro Plant Differentiation. <i>Plant and Cell Physiology</i> , 2010, 51, 1151-1162.	3.1	53
3888	Dynamic analysis of cytosolic glucose and ATP levels in yeast using optical sensors. <i>Biochemical Journal</i> , 2010, 432, 399-406.	3.7	81
3889	Rational Conversion of Affinity Reagents into Label-Free Sensors for Peptide Motifs by Designed Allostery. <i>ACS Chemical Biology</i> , 2010, 5, 273-277.	3.4	29
3890	De Novo Selection of High-Affinity Antibodies from Synthetic Fab Libraries Displayed on Phage as pIX Fusion Proteins. <i>Journal of Molecular Biology</i> , 2010, 397, 385-396.	4.2	76
3891	High-throughput Sorting of an Anticalin Library via EspP-mediated Functional Display on the <i>Escherichia coli</i> Cell Surface. <i>Journal of Molecular Biology</i> , 2010, 400, 783-802.	4.2	51
3892	Signal sequence as a determinant in expressing disulfide-stabilized single chain antibody variable fragments (sc-dsFv) against human VEGF. <i>Molecular BioSystems</i> , 2010, 6, 1307.	2.9	2
3893	Effects of Mutations of Lys41 and Asp102 of Bacteriorhodopsin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1364-1370.	1.3	7
3894	Modulation of Heme Orientation and Binding by a Single Residue in Catalase HPII of <i>Escherichia coli</i> . <i>Biochemistry</i> , 2011, 50, 2101-2110.	2.5	14

#	ARTICLE	IF	CITATIONS
3895	The Glutamine Side Chain at Position 91 on the $\beta$ 5a $\beta$ 5b Loop of Human Immunodeficiency Virus Type 1 Reverse Transcriptase Is Required for Stabilizing the dNTP Binding Pocket. <i>Biochemistry</i> , 2011, 50, 8067-8077.	2.5	1
3896	Synthetic single-framework antibody library integrated with rapid affinity maturation by VL shuffling. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 691-700.	2.1	38
3897	Effects of signal sequence on phage-displayed disulfide-stabilized single chain antibody variable fragment (sc-dsFv) libraries. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 348-353.	2.1	0
3898	Altered GPI modification of insect AChE improves tolerance to organophosphate insecticides. <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 150-158.	2.7	28
3899	Engineering a High-Affinity Anti-IL-15 Antibody: Crystal Structure Reveals an $\alpha$ -Helix in VH CDR3 as Key Component of Paratope. <i>Journal of Molecular Biology</i> , 2011, 406, 160-175.	4.2	36
3900	Whole-Molecule Antibody Engineering: Generation of a High-Affinity Anti-IL-6 Antibody with Extended Pharmacokinetics. <i>Journal of Molecular Biology</i> , 2011, 411, 791-807.	4.2	42
3901	Multimerization-defective variants of dodecameric secretin PulD. <i>Research in Microbiology</i> , 2011, 162, 180-190.	2.1	24
3902	A Conserved Aspartate Residue Located at the Extracellular End of the Binding Pocket Controls Cation Interactions in Brain Glutamate Transporters. <i>Journal of Biological Chemistry</i> , 2011, 286, 41381-41390.	3.4	18
3903	DNA Libraries for the Construction of Phage Libraries: Statistical and Structural Requirements and Synthetic Methods. <i>Molecules</i> , 2011, 16, 1625-1641.	3.8	22
3904	Global analysis for functional residues of histone variant Htz1 using the comprehensive point mutant library. <i>Genes To Cells</i> , 2011, 16, 590-607.	1.2	12
3905	A Single Active-Site Mutation of P450BM-3 Dramatically Enhances Substrate Binding and Rate of Product Formation. <i>Biochemistry</i> , 2011, 50, 8333-8341.	2.5	15
3906	Multi-Input RNAi-Based Logic Circuit for Identification of Specific Cancer Cells. <i>Science</i> , 2011, 333, 1307-1311.	12.6	744
3907	Construction of Gene Interruptions and Gene Deletions in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Methods in Molecular Biology</i> , 2011, 684, 295-312.	0.9	74
3908	Arg235 is an essential catalytic residue of <i>Bacillus pumilus</i> DKS1 pectate lyase to degum ramie fibre. <i>Biodegradation</i> , 2011, 22, 153-161.	3.0	20
3909	The FN3 and BRCT motifs in the exomer component Chs5p define a conserved module that is necessary and sufficient for its function. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2907-2917.	5.4	10
3910	Computational design and selections for an engineered, thermostable terpene synthase. <i>Protein Science</i> , 2011, 20, 1597-1606.	7.6	53
3911	A combinatorial histidine scanning library approach to engineer highly pH-dependent protein switches. <i>Protein Science</i> , 2011, 20, 1619-1631.	7.6	67
3912	A Quantitative, Real-Time Assessment of Binding of Peptides and Proteins to Gold Surfaces. <i>Chemistry - A European Journal</i> , 2011, 17, 1327-1336.	3.3	35

#	ARTICLE	IF	CITATIONS
3913	Engineered ketol-acid reductoisomerase and alcohol dehydrogenase enable anaerobic 2-methylpropan-1-ol production at theoretical yield in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2011, 13, 345-352.	7.0	257
3914	Directed antibody-engineering techniques and their applications in food immunoassays. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 219-226.	11.4	12
3915	The yeast kinase Yck2 has a tripartite palmitoylation signal. <i>Molecular Biology of the Cell</i> , 2011, 22, 2702-2715.	2.1	18
3916	Glu659Leu substitution of recombinant HIV fusion inhibitor C52L induces soluble expression in <i>Escherichia coli</i> with equivalent anti-HIV potency. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 545-551.	2.1	2
3917	Cyclin A Promotes S-Phase Entry via Interaction with the Replication Licensing Factor Mcm7. <i>Molecular and Cellular Biology</i> , 2011, 31, 248-255.	2.3	36
3918	Role of unique basic residues in cytotoxic, antibacterial and antiparasitic activities of human eosinophil cationic protein. <i>Biological Chemistry</i> , 2011, 392, 337-46.	2.5	37
3919	APO1 Promotes the Splicing of Chloroplast Group II Introns and Harbors a Plant-Specific Zinc-Dependent RNA Binding Domain. <i>Plant Cell</i> , 2011, 23, 1082-1092.	6.6	50
3920	Nse1-dependent recruitment of Smc5/6 to lesion-containing loci contributes to the repair defects of mutant complexes. <i>Molecular Biology of the Cell</i> , 2011, 22, 4669-4682.	2.1	19
3921	Characterization of Promoter Elements Regulating the Expression of the Human Neutensin/Neuromedin N Gene. <i>Journal of Biological Chemistry</i> , 2011, 286, 542-554.	3.4	12
3922	Mining Endonuclease Cleavage Determinants in Genomic Sequence Data. <i>Journal of Biological Chemistry</i> , 2011, 286, 32617-32627.	3.4	15
3923	A Glutamine Residue Conserved in the Neurotransmitter:Sodium:Symporters Is Essential for the Interaction of Chloride with the GABA Transporter GAT-1. <i>Journal of Biological Chemistry</i> , 2011, 286, 2826-2833.	3.4	38
3924	High Affinity Small Protein Inhibitors of Human Chymotrypsin C (CTRC) Selected by Phage Display Reveal Unusual Preference for P4 <sup>â€²</sup> Acidic Residues. <i>Journal of Biological Chemistry</i> , 2011, 286, 22535-22545.	3.4	30
3925	Phage Display of Tissue Inhibitor of Metalloproteinases-2 (TIMP-2). <i>Journal of Biological Chemistry</i> , 2011, 286, 31761-31770.	3.4	43
3926	The Cytosolic Kinases STY8, STY17, and STY46 Are Involved in Chloroplast Differentiation in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2011, 157, 70-85.	4.8	58
3927	Initiation of DNA damage responses through XPG-related nucleases. <i>EMBO Journal</i> , 2012, 32, 290-302.	7.8	8
3928	Long Telomeres Produced by Telomerase-Resistant Recombination Are Established from a Single Source and Are Subject to Extreme Sequence Scrambling. <i>PLoS Genetics</i> , 2012, 8, e1003017.	3.5	1
3929	Comparison of random mutagenesis and semi-rational designed libraries for improved cytochrome P450 BM3-catalyzed hydroxylation of small alkanes. <i>Protein Engineering, Design and Selection</i> , 2012, 25, 171-178.	2.1	79
3930	Functional and Physical Interactions among <i>Saccharomyces cerevisiae</i> $\hat{1}$ -Factor Receptors. <i>Eukaryotic Cell</i> , 2012, 11, 1276-1288.	3.4	13

#	ARTICLE	IF	CITATIONS
3931	Influence of improved FcRn binding on the subcutaneous bioavailability of monoclonal antibodies in cynomolgus monkeys. <i>MABs</i> , 2012, 4, 267-273.	5.2	40
3932	Structural Changes of Regulatory Domain Heterodimer of <i>N</i> -Methyl-d-aspartate Receptor Subunits GluN1 and GluN2B through the Binding of Spermine and Ifenprodil. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 343, 82-90.	2.5	16
3933	Chemical synthesis and X-ray structure of a heterochiral {D-protein antagonist + vascular endothelial growth factor} protein complex by racemic crystallography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14779-14784.	7.1	118
3934	The Gap Junction Channel Protein Connexin 43 Is Covalently Modified and Regulated by SUMOylation. <i>Journal of Biological Chemistry</i> , 2012, 287, 15851-15861.	3.4	57
3935	Mutational Analysis of the T4 Gp59 Helicase Loader Reveals Its Sites for Interaction with Helicase, Single-stranded Binding Protein, and DNA. <i>Journal of Biological Chemistry</i> , 2012, 287, 18596-18607.	3.4	2
3936	A Highly Conserved Residue in the C-Terminal Helix of HIV-1 Matrix Is Required for Envelope Incorporation into Virus Particles. <i>Journal of Virology</i> , 2012, 86, 2347-2359.	3.4	24
3937	An Acidic Amino Acid Transmembrane Helix 10 Residue Conserved in the Neurotransmitter:Sodium:Symporters Is Essential for the Formation of the Extracellular Gate of the <sup>13</sup> Aminobutyric Acid (GABA) Transporter GAT-1. <i>Journal of Biological Chemistry</i> , 2012, 287, 7159-7168.	3.4	14
3938	FcRn Affinity-Pharmacokinetic Relationship of Five Human IgG4 Antibodies Engineered for Improved In Vitro FcRn Binding Properties in Cynomolgus Monkeys. <i>Drug Metabolism and Disposition</i> , 2012, 40, 1545-1555.	3.3	54
3939	Conserved Asparagine Residue Located in Binding Pocket Controls Cation Selectivity and Substrate Interactions in Neuronal Glutamate Transporter. <i>Journal of Biological Chemistry</i> , 2012, 287, 17198-17205.	3.4	18
3940	Synthetic antibodies: Concepts, potential and practical considerations. <i>Methods</i> , 2012, 57, 486-498.	3.8	97
3941	Engineering and Application of Genetically Encoded Calcium Indicators. <i>Neuromethods</i> , 2012, , 125-147.	0.3	2
3942	Reversal of NAD(P)H Cofactor Dependence by Protein Engineering. <i>Methods in Molecular Biology</i> , 2012, 834, 17-31.	0.9	4
3943	AtTPR7 is a chaperone docking protein of the Sec translocon in <i>Arabidopsis</i> . <i>Journal of Cell Science</i> , 2012, 125, 5196-207.	2.0	31
3944	Anti-idiotypic monobodies for immune response profiling. <i>Methods</i> , 2012, 58, 62-68.	3.8	8
3945	Improvements to the Kunkel mutagenesis protocol for constructing primary and secondary phage-display libraries. <i>Methods</i> , 2012, 58, 10-17.	3.8	45
3946	Synthetic Antibody Libraries. <i>Methods in Molecular Biology</i> , 2012, 899, 27-41.	0.9	15
3947	Mutation of Phe413 to Tyr in catalase KatE from <i>Escherichia coli</i> leads to side chain damage and main chain cleavage. <i>Archives of Biochemistry and Biophysics</i> , 2012, 525, 207-214.	3.0	2
3948	Influence of main channel structure on H <sub>2</sub> O <sub>2</sub> access to the heme cavity of catalase KatE of <i>Escherichia coli</i> . <i>Archives of Biochemistry and Biophysics</i> , 2012, 526, 54-59.	3.0	12

#	ARTICLE	IF	CITATIONS
3949	Antifreeze Protein from Freeze-Tolerant Grass Has a Beta-Roll Fold with an Irregularly Structured Ice-Binding Site. <i>Journal of Molecular Biology</i> , 2012, 416, 713-724.	4.2	120
3950	Calcium-Independent Inhibition of PCSK9 by Affinity-Improved Variants of the LDL Receptor EGF(A) Domain. <i>Journal of Molecular Biology</i> , 2012, 422, 685-696.	4.2	30
3951	An insertion in loop L7 of human eosinophil-derived neurotoxin is crucial for its antiviral activity. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 3104-3112.	2.6	18
3952	Complementation between inactive fragments of SssI DNA methyltransferase. <i>BMC Molecular Biology</i> , 2012, 13, 17.	3.0	10
3953	Functional analyses of the mutation ntâ€¢128 Tâ€¢C in the hepatocyte nuclear factorâ€¢1 promoter region in Chinese diabetes pedigrees. <i>Diabetic Medicine</i> , 2012, 29, 1456-1464.	2.3	2
3954	Selecting and Purifying Autonomous Human Variable Heavy (VH) Domains. , 2012, 911, 327-353.		5
3955	Virusâ€¢Polymer Hybrid Nanowires Tailored to Detect Prostate-Specific Membrane Antigen. <i>Analytical Chemistry</i> , 2012, 84, 2776-2783.	6.5	48
3956	Multiple regulatory roles of the carboxy terminus of Ste2p a yeast GPCR. <i>Pharmacological Research</i> , 2012, 65, 31-40.	7.1	19
3957	Deep Sequencing of Systematic Combinatorial Libraries Reveals â€¢Lactamase Sequence Constraints at High Resolution. <i>Journal of Molecular Biology</i> , 2012, 424, 150-167.	4.2	76
3958	Methods to Engineer and Identify IgG1 Variants with Improved FcRn Binding or Effector Function. <i>Methods in Molecular Biology</i> , 2012, 901, 277-293.	0.9	12
3959	Generation of Human Single Domain Antibody Repertoires by Kunkel Mutagenesis. <i>Methods in Molecular Biology</i> , 2012, 907, 195-209.	0.9	13
3960	Simplified Synthetic Antibody Libraries. <i>Methods in Enzymology</i> , 2012, 502, 3-23.	1.0	33
3961	Target-Binding Proteins Based on the 10th Human Fibronectin Type III Domain (10Fn3). <i>Methods in Enzymology</i> , 2012, 503, 135-156.	1.0	71
3962	Visualization of Glutamine Transporter Activities in Living Cells Using Genetically Encoded Glutamine Sensors. <i>PLoS ONE</i> , 2012, 7, e38591.	2.5	51
3963	A Novel Highly Potent Therapeutic Antibody Neutralizes Multiple Human Chemokines and Mimics Viral Immune Modulation. <i>PLoS ONE</i> , 2012, 7, e43332.	2.5	7
3964	PFunkel: Efficient, Expansive, User-Defined Mutagenesis. <i>PLoS ONE</i> , 2012, 7, e52031.	2.5	110
3965	Development of Anti-Infectives Using Phage Display: Biological Agents against Bacteria, Viruses, and Parasites. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4569-4582.	3.2	85
3966	Allosteric peptides bind a caspase zymogen and mediate caspase tetramerization. <i>Nature Chemical Biology</i> , 2012, 8, 655-660.	8.0	35

#	ARTICLE	IF	CITATIONS
3967	Mutagenesis, heterogeneous gene expression, and purification and amino acid substitution analyses of plant peroxidase, PrxA3a. <i>Journal of Wood Science</i> , 2012, 58, 231-242.	1.9	3
3968	Structural basis for specificity of TGF $\beta$ family receptor small molecule inhibitors. <i>Cellular Signalling</i> , 2012, 24, 476-483.	3.6	50
3969	Proteolytic processing of the protein tyrosine phosphatase $\beta$ extracellular domain is mediated by ADAM17/TACE. <i>European Journal of Cell Biology</i> , 2012, 91, 687-693.	3.6	9
3970	A relationship between motilin and growth hormone secretagogue receptors. <i>Regulatory Peptides</i> , 2012, 176, 28-35.	1.9	22
3971	Three novel truncating <i>TINF2</i> mutations causing severe dyskeratosis congenita in early childhood. <i>Clinical Genetics</i> , 2012, 81, 470-478.	2.0	74
3972	Prospects for robust biocatalysis: engineering of novel specificity in a halophilic amino acid dehydrogenase. <i>Extremophiles</i> , 2013, 17, 43-51.	2.3	10
3973	Mutations in hepatitis C virus p7 reduce both the egress and infectivity of assembled particles via impaired proton channel function. <i>Journal of General Virology</i> , 2013, 94, 2236-2248.	2.9	25
3974	High-resolution structure of TBP with TAF1 reveals anchoring patterns in transcriptional regulation. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1008-1014.	8.2	66
3975	Delayed seroconversion to STLV-1 infection is associated with mutations in the pol and rex genes. <i>Virology Journal</i> , 2013, 10, 282.	3.4	4
3976	The pH dependence of staphylococcal nuclease stability is incompatible with a three-state denaturation model. <i>Biophysical Chemistry</i> , 2013, 180-181, 86-94.	2.8	1
3977	Engineering and Analysis of Peptide-Recognition Domain Specificities by Phage Display and Deep Sequencing. <i>Methods in Enzymology</i> , 2013, 523, 327-349.	1.0	30
3978	Anti-Idiotypic Monobodies Derived from a Fibronectin Scaffold. <i>Biochemistry</i> , 2013, 52, 1802-1813.	2.5	10
3979	Rapid prediction of expression and refolding yields using phage display. <i>Protein Engineering, Design and Selection</i> , 2013, 26, 671-674.	2.1	14
3980	Strategies for Modulating the pH-Dependent Activity of a Family 11 Glycoside Hydrolase. <i>Biochemistry</i> , 2013, 52, 3138-3156.	2.5	27
3981	Production of a human neutralizing monoclonal antibody and its crystal structure in complex with ectodomain 3 of the interleukin-13 receptor $\beta$ 1. <i>Biochemical Journal</i> , 2013, 451, 165-175.	3.7	11
3982	Cysteine Scanning Mutagenesis of Transmembrane Helix 3 of a Brain Glutamate Transporter Reveals Two Conformationally Sensitive Positions. <i>Journal of Biological Chemistry</i> , 2013, 288, 964-973.	3.4	9
3983	Myosin-1c regulates the dynamic stability of E-cadherin-based cell-cell contacts in polarized Madin-Darby canine kidney cells. <i>Molecular Biology of the Cell</i> , 2013, 24, 2820-2833.	2.1	17
3984	General approach to reversing ketol-acid reductoisomerase cofactor dependence from NADPH to NADH. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10946-10951.	7.1	102



#	ARTICLE	IF	CITATIONS
3985	Further characterization of human glucocorticoid receptor mutants, R477H and G679S, associated with primary generalized glucocorticoid resistance. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2013, 73, 203-207.	1.2	1
3986	Regulatory motifs in Chk1. <i>Cell Cycle</i> , 2013, 12, 916-922.	2.6	12
3987	Functional Defects in the External and Internal Thin Gates of the $\hat{I}^3$ -Aminobutyric Acid (GABA) Transporter GAT-1 Can Compensate Each Other. <i>Journal of Biological Chemistry</i> , 2013, 288, 4549-4556.	3.4	23
3988	Cytosine-to-Uracil Deamination by SssI DNA Methyltransferase. <i>PLoS ONE</i> , 2013, 8, e79003.	2.5	14
3989	The Interrelationship between Promoter Strength, Gene Expression, and Growth Rate. <i>PLoS ONE</i> , 2014, 9, e109105.	2.5	67
3990	RNA-Modifying and RNA-Editing Enzymes: Methods for Their Identification. , 2014, , 21-46.		7
3991	Improving the therapeutic potential of endostatin by fusing it with the BAX BH3 death domain. <i>Cell Death and Disease</i> , 2014, 5, e1371-e1371.	6.3	3
3992	A Two-in-One antibody engineered from a humanized interleukin 4 antibody through mutation in heavy chain complementarity-determining regions. <i>MAbs</i> , 2014, 6, 622-627.	5.2	23
3993	Investigating Substrate-Induced Motion between the Scaffold and Transport Domains in the Glutamate Transporter EAAT1. <i>Molecular Pharmacology</i> , 2014, 86, 657-664.	2.3	8
3994	Antibody VH and VL recombination using phage and ribosome display technologies reveals distinct structural routes to affinity improvements with VH-VL interface residues providing important structural diversity. <i>MAbs</i> , 2014, 6, 236-245.	5.2	18
3995	Development of a $\hat{A}^{\infty}$ mouse and human cross-reactive $\hat{A}^{\infty}$ ™ affinity-matured exosite inhibitory human antibody specific to TACE (ADAM17) for cancer immunotherapy. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 179-190.	2.1	29
3996	Disulfide Cross-linking of Transport and Trimerization Domains of a Neuronal Glutamate Transporter Restricts the Role of the Substrate to the Gating of the Anion Conductance. <i>Journal of Biological Chemistry</i> , 2014, 289, 11175-11182.	3.4	22
3997	Snow Goose Hepatitis B Virus (SGHBV) Envelope and Capsid Proteins Independently Contribute to the Ability of SGHBV To Package Capsids Containing Single-Stranded DNA in Virions. <i>Journal of Virology</i> , 2014, 88, 10705-10713.	3.4	12
3998	Conformationally Sensitive Proximity of Extracellular Loops 2 and 4 of the $\hat{I}^3$ -Aminobutyric Acid (GABA) Transporter GAT-1 Inferred from Paired Cysteine Mutagenesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 34258-34266.	3.4	3
3999	Identification of a Small Peptide That Inhibits PCSK9 Protein Binding to the Low Density Lipoprotein Receptor. <i>Journal of Biological Chemistry</i> , 2014, 289, 942-955.	3.4	126
4000	Design and Generation of Synthetic Antibody Libraries for Phage Display. <i>Methods in Molecular Biology</i> , 2014, 1131, 113-131.	0.9	39
4001	Critical Role for NAD Glycohydrolase in Regulation of Erythropoiesis by Hematopoietic Stem Cells through Control of Intracellular NAD Content. <i>Journal of Biological Chemistry</i> , 2014, 289, 16362-16373.	3.4	0
4002	The Aromatic and Charge Pairs of the Thin Extracellular Gate of the $\hat{I}^3$ -Aminobutyric Acid Transporter GAT-1 Are Differently Impacted by Mutation. <i>Journal of Biological Chemistry</i> , 2014, 289, 28172-28178.	3.4	4

#	ARTICLE	IF	CITATIONS
4003	Efficient Mutagenesis Independent of Ligation (EMILI). Journal of Microbiological Methods, 2014, 106, 67-71.	1.6	23
4004	Binding of the Antitubercular Pro-Drug Isoniazid in the Heme Access Channel of Catalase-Peroxidase (KatG). A Combined Structural and Metadynamics Investigation. Journal of Physical Chemistry B, 2014, 118, 2924-2931.	2.6	27
4005	Cysteine mutagenesis reveals alternate proximity between transmembrane domain 2 and hairpin loop 1 of the glutamate transporter EAAT1. Amino Acids, 2014, 46, 1697-1705.	2.7	6
4006	Crystal Structure of Mox-1, a Unique Plasmid-Mediated Class C $\beta$ -Lactamase with Hydrolytic Activity towards Moxalactam. Antimicrobial Agents and Chemotherapy, 2014, 58, 3914-3920.	3.2	7
4007	Pathophysiology and Toxicology of the Heart. , 2014, , 1593-1604.		19
4008	Molecular Determinants of Substrate Specificity in Sodium-coupled Glutamate Transporters. Journal of Biological Chemistry, 2015, 290, 28988-28996.	3.4	9
4009	Methods for the Construction of Phage-Displayed Libraries. Drug Discovery Series, 2015, , 75-96.	0.1	1
4010	Discovering neutralizing antibodies targeting the stem epitope of H1N1 influenza hemagglutinin with synthetic phage-displayed antibody libraries. Scientific Reports, 2015, 5, 15053.	3.3	17
4011	Selection of recombinant anti- $\alpha$ SH3 domain antibodies by high-throughput phage display. Protein Science, 2015, 24, 1890-1900.	7.6	15
4012	Synthetic antibodies and peptides recognizing progressive multifocal leukoencephalopathy-specific point mutations in polyomavirus JC capsid viral protein 1. MAbs, 2015, 7, 681-692.	5.2	19
4013	Association of the winged helix motif of the $\alpha$ subunit of $\alpha$ TFIIE with either the $\beta$ subunit or $\beta$ TFIIB distinguishes its functions in transcription. Genes To Cells, 2015, 20, 203-216.	1.2	3
4014	A complex relative motion between hairpin loop 2 and transmembrane domain 5 in the glutamate transporter GLT-1. International Journal of Biochemistry and Cell Biology, 2015, 60, 1-7.	2.8	6
4015	Affinity maturation of a novel antagonistic human monoclonal antibody with a long V <sub>H</sub> CDR3 targeting the Class A GPCR formyl-peptide receptor 1. MAbs, 2015, 7, 152-166.	5.2	36
4016	Phosphomimicking within the transit peptide of pHCF136 leads to reduced photosystem II accumulation in vivo. FEBS Letters, 2015, 589, 1301-1307.	2.8	16
4017	N-terminal entrance loop of yeast Yps1 and O-glycosylation of substrates are determinant factors controlling the shedding activity of this GPI-anchored endopeptidase. BMC Microbiology, 2015, 15, 50.	3.3	6
4018	Vacuolar SNARE Protein Transmembrane Domains Serve as Nonspecific Membrane Anchors with Unequal Roles in Lipid Mixing. Journal of Biological Chemistry, 2015, 290, 12821-12832.	3.4	24
4019	Mutations in adenine-binding pockets enhance catalytic properties of NAD(P)H-dependent enzymes. Protein Engineering, Design and Selection, 2015, 29, gzv057.	2.1	30
4020	Directed evolution of the tryptophan synthase $\beta$ -subunit for stand-alone function recapitulates allosteric activation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14599-14604.	7.1	127

#	ARTICLE	IF	CITATIONS
4021	Phage Display-Mediated Discovery of Novel Tyrosinase-Targeting Tetrapeptide Inhibitors Reveals the Significance of N-Terminal Preference of Cysteine Residues and Their Functional Sulfur Atom. <i>Molecular Pharmacology</i> , 2015, 87, 218-230.	2.3	25
4022	A polar ring endows improved specificity to an antibody fragment. <i>Protein Science</i> , 2016, 25, 1290-1298.	7.6	10
4023	TM4 of the glutamate transporter GLT-1 experiences substrate-induced motion during the transport cycle. <i>Scientific Reports</i> , 2016, 6, 34522.	3.3	14
4024	Allosteric Inhibition of Bcr-Abl Kinase by High Affinity Monobody Inhibitors Directed to the Src Homology 2 (SH2)-Kinase Interface. <i>Journal of Biological Chemistry</i> , 2016, 291, 8836-8847.	3.4	33
4025	Protein and Antibody Engineering by Phage Display. <i>Methods in Enzymology</i> , 2016, 580, 45-87.	1.0	38
4026	Phosphorylation of Bni4 by MAP kinases contributes to septum assembly during yeast cytokinesis. <i>FEMS Yeast Research</i> , 2016, 16, fow060.	2.3	9
4027	Analysis of gene functions in Maize chlorotic mottle virus. <i>Virus Research</i> , 2016, 222, 71-79.	2.2	28
4028	CSL311, a novel, potent, therapeutic monoclonal antibody for the treatment of diseases mediated by the common $\text{I}^2$ chain of the IL-3, GM-CSF and IL-5 receptors. <i>MAbs</i> , 2016, 8, 436-453.	5.2	38
4029	Creation of Phosphotyrosine Superbinders by Directed Evolution of an SH2 Domain. <i>Methods in Molecular Biology</i> , 2017, 1555, 225-254.	0.9	7
4030	An Extra Amino Acid Residue in Transmembrane Domain 10 of the $\beta$ -Aminobutyric Acid (GABA) Transporter GAT-1 Is Required for Efficient Ion-coupled Transport. <i>Journal of Biological Chemistry</i> , 2017, 292, 5418-5428.	3.4	20
4031	The Catalase Activity of Catalase-Peroxidases Is Modulated by Changes in the $pK_a$ of the Distal Histidine. <i>Biochemistry</i> , 2017, 56, 2271-2281.	2.5	11
4032	Engineering the expression of an anti-interleukin-13 antibody through rational design and mutagenesis. <i>Protein Engineering, Design and Selection</i> , 2017, 30, 303-311.	2.1	9
4033	Discovery of a cryptic peptide-binding site on PCSK9 and design of antagonists. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 848-856.	8.2	53
4034	A Single-Framework Synthetic Antibody Library Containing a Combination of Canonical and Variable Complementarity-Determining Regions. <i>ChemBioChem</i> , 2017, 18, 2247-2259.	2.6	15
4035	Systematic Functional Analysis of Active-Site Residues in $\alpha$ -Threonine Dehydrogenase from <i>Thermoplasma volcanium</i> . <i>ACS Omega</i> , 2017, 2, 3308-3314.	3.5	3
4036	Inhibition of RAS function through targeting an allosteric regulatory site. <i>Nature Chemical Biology</i> , 2017, 13, 62-68.	8.0	237
4037	An In Vitro Single-Primer Site-Directed Mutagenesis Method for Use in Biotechnology. <i>Methods in Molecular Biology</i> , 2017, 1498, 375-383.	0.9	10
4038	A ribonuclease inhibitor resistant dimer of human pancreatic ribonuclease displays specific antitumor activity. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1965-1970.	7.5	9

#	ARTICLE	IF	CITATIONS
4039	Construction of Synthetic Antibody Phage-Display Libraries. <i>Methods in Molecular Biology</i> , 2018, 1701, 45-60.	0.9	20
4040	The ancient claudin Dni2 facilitates yeast cell fusion by compartmentalizing Dni1 into a membrane subdomain. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1687-1706.	5.4	5
4041	A synthetic anti-Frizzled antibody engineered for broadened specificity exhibits enhanced anti-tumor properties. <i>MAbs</i> , 2018, 10, 1157-1167.	5.2	39
4042	Structure-Guided Combinatorial Engineering Facilitates Affinity and Specificity Optimization of Anti-CD81 Antibodies. <i>Journal of Molecular Biology</i> , 2018, 430, 2139-2152.	4.2	14
4043	Both reentrant loops of the sodium-coupled glutamate transporters contain molecular determinants of cation selectivity. <i>Journal of Biological Chemistry</i> , 2018, 293, 14200-14209.	3.4	3
4044	<i>SLC6A1</i> variants identified in epilepsy patients reduce $\gamma$ -aminobutyric acid transport. <i>Epilepsia</i> , 2018, 59, e135-e141.	5.1	35
4045	Optimization of peptidic HIV-1 fusion inhibitor T20 by phage display. <i>Protein Science</i> , 2019, 28, 1501-1512.	7.6	4
4046	Manipulating mtDNA in vivo reprograms metabolism via novel response mechanisms. <i>PLoS Genetics</i> , 2019, 15, e1008410.	3.5	7
4047	Clustering of IRE1 $\alpha$ depends on sensing ER stress but not on its RNase activity. <i>FASEB Journal</i> , 2019, 33, 9811-9827.	0.5	33
4048	Jietacins, azoxy natural products, as novel NF- $\kappa$ B inhibitors: Discovery, synthesis, biological activity, and mode of action. <i>European Journal of Medicinal Chemistry</i> , 2019, 178, 636-647.	5.5	12
4049	Cognizance of Molecular Methods for the Generation of Mutagenic Phage Display Antibody Libraries for Affinity Maturation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1861.	4.1	30
4050	Photoswitchable Affinity Reagents: Computational Design and Efficient Red-Light Switching. <i>ChemPhotoChem</i> , 2019, 3, 431-440.	3.0	15
4051	Next-generation sequencing-guided identification and reconstruction of antibody CDR combinations from phage selection outputs. <i>Nucleic Acids Research</i> , 2019, 47, e50-e50.	14.5	35
4052	Internal gate mutants of the GABA transporter GAT1 are capable of substrate exchange. <i>Neuropharmacology</i> , 2019, 161, 107534.	4.1	7
4053	Substitution of cysteine-153 ligated to the catalytic zinc in yeast alcohol dehydrogenase with aspartic acid and analysis of mechanisms of related medium chain dehydrogenases. <i>Chemico-Biological Interactions</i> , 2019, 302, 172-182.	4.0	9
4054	The ACT domain in chloroplast precursor $\alpha$ -phosphorylating STY kinases binds metabolites and allosterically regulates kinase activity. <i>Journal of Biological Chemistry</i> , 2019, 294, 17278-17288.	3.4	13
4055	Engineered SH2 domains with tailored specificities and enhanced affinities for phosphoproteome analysis. <i>Protein Science</i> , 2019, 28, 403-413.	7.6	10
4056	Allosteric Modulation of Binding Specificity by Alternative Packing of Protein Cores. <i>Journal of Molecular Biology</i> , 2019, 431, 336-350.	4.2	20

#	ARTICLE	IF	CITATIONS
4057	Structural evidence for product stabilization by the ribosomal mRNA helicase. <i>Rna</i> , 2019, 25, 364-375.	3.5	21
4058	Deep profiling of protease substrate specificity enabled by dual random and scanned human proteome substrate phage libraries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25464-25475.	7.1	28
4059	Engineering a fluorescence biosensor for the herbicide glyphosate. <i>Protein Engineering, Design and Selection</i> , 2020, 33, .	2.1	2
4060	<i>E. coli</i> DNA Polymerase I and the Klenow Fragment. <i>Cold Spring Harbor Protocols</i> , 2020, 2020, pdb.top100743.	0.3	4
4061	Brain delivery of therapeutic proteins using an Fc fragment blood-brain barrier transport vehicle in mice and monkeys. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	184
4062	Yeast Two-Hybrid Screening of Photoswitchable Protein-Protein Interaction Libraries. <i>Journal of Molecular Biology</i> , 2020, 432, 3113-3126.	4.2	15
4063	Environmental Performance of <i>Pseudomonas putida</i> with a Uracylated Genome. <i>ChemBioChem</i> , 2020, 21, 3255-3265.	2.6	3
4064	Extensive sequence and structural evolution of Arginase 2 inhibitory antibodies enabled by an unbiased approach to affinity maturation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16949-16960.	7.1	10
4065	I-Block: a simple <i>Escherichia coli</i> -based assay for studying sequence-specific DNA binding of proteins. <i>Nucleic Acids Research</i> , 2020, 48, e28-e28.	14.5	3
4066	Targeting <i>Trypanosoma evansi</i> with disulphide-rich peptides derived from a phage display library. <i>Experimental Parasitology</i> , 2020, 212, 107885.	1.2	2
4067	Extended Unpaired Loop-Oligonucleotide Improves Mutational Rates in Modified Kunkel Mutagenesis. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1-7.	1.9	2
4068	An interdomain helix in IRE1 $\alpha$ mediates the conformational change required for the sensor's activation. <i>Journal of Biological Chemistry</i> , 2021, 296, 100781.	3.4	5
4069	Analysis of the SNARE Stx8 recycling reveals that the retromer-sorting motif has undergone evolutionary divergence. <i>PLoS Genetics</i> , 2021, 17, e1009463.	3.5	3
4070	Targeting the KRAS $\Delta 4-5$ allosteric interface inhibits pancreatic cancer tumorigenesis. <i>Small GTPases</i> , 2021, , 1-14.	1.6	11
4071	Lowering DNA binding affinity of SssI DNA methyltransferase does not enhance the specificity of targeted DNA methylation in <i>E. coli</i> . <i>Scientific Reports</i> , 2021, 11, 15226.	3.3	4
4072	The Thr45Gly substitution in yeast alcohol dehydrogenase substantially decreases catalysis, alters pH dependencies, and disrupts the proton relay system. <i>Chemico-Biological Interactions</i> , 2021, 349, 109650.	4.0	3
4073	Generation of Protein Inhibitors for Validation of Cancer Drug Targets Identified in Functional Genomic Screens. <i>Methods in Molecular Biology</i> , 2021, 2381, 307-331.	0.9	0
4074	The Antibiotic Selective Process: Concentration-Specific Amplification of Low-Level Resistant Populations. <i>Novartis Foundation Symposium</i> , 1997, 207, 93-111.	1.1	27

#	ARTICLE	IF	CITATIONS
4075	Regulation of the Erythropoietin Gene. <i>Advances in Experimental Medicine and Biology</i> , 1989, 271, 75-85.	1.6	66
4076	Human Class 1 Aldehyde Dehydrogenase. <i>Advances in Experimental Medicine and Biology</i> , 1995, , 17-23.	1.6	3
4077	Lactoferrin cDNA. <i>Advances in Experimental Medicine and Biology</i> , 1994, , 197-208.	1.6	2
4078	Kinetic Alteration of Human Aldose Reductase by Mutagenesis of Cysteine Residues. <i>Advances in Experimental Medicine and Biology</i> , 1993, 328, 289-300.	1.6	4
4079	Use of 10-Propargyl-5,8-Diädeazafolate and Directed Mutagenesis to Probe the Catalytic Mechanism of Thymidylate Synthase. <i>Advances in Experimental Medicine and Biology</i> , 1993, 338, 575-578.	1.6	2
4080	Alleviation of Catecholamine Inhibition of Tyrosine Hydroxylase by Phosphorylation at Serine40. <i>Advances in Experimental Medicine and Biology</i> , 1993, 338, 87-92.	1.6	8
4081	Creating Transgenic Mouse Models of Photoreceptor Degeneration Caused by Mutations in the Rhodopsin Gene. , 1993, , 211-217.		1
4082	Assembly of Antibodies and Mutagenized Variants in Transgenic Plants and Plant Cell Cultures. , 1992, 14, 49-64.		8
4083	Efficient Mutagenesis, Expression and Purification of Procathepsin D. <i>Advances in Experimental Medicine and Biology</i> , 1991, 306, 335-338.	1.6	8
4084	Mapping of Lysosomal Targeting Determinants of Cathepsin D. <i>Advances in Experimental Medicine and Biology</i> , 1991, 306, 339-342.	1.6	4
4085	Smooth Muscle Myosin. <i>Advances in Experimental Medicine and Biology</i> , 1998, , 99-104.	1.6	8
4086	Functional Characterization of Dictyostelium Discoideum Mutant Myosins Equivalent to Human Familial Hypertrophic Cardiomyopathy. <i>Advances in Experimental Medicine and Biology</i> , 1998, 453, 131-137.	1.6	11
4087	Structural Analysis of the Rat Uricase Gene and Evidence that Lysine 164 is Involved in the Substrate-Binding Site of the Enzyme. <i>Advances in Experimental Medicine and Biology</i> , 1991, 309A, 377-381.	1.6	2
4088	Synthesis of a Virus Electrode for Measurement of Prostate Specific Membrane Antigen. <i>Methods in Molecular Biology</i> , 2009, 504, 255-274.	0.9	8
4089	Targeted Amplification of Mutant Strands for Efficient Site-Directed Mutagenesis and Mutant Screening. <i>Methods in Molecular Biology</i> , 2010, 634, 147-155.	0.9	2
4090	Introducing Cloned Genes into Cultured Neurons Providing Novel In vitro Models for Neuropathology and Neurotoxicity Studies. <i>Neuromethods</i> , 2011, 56, 185-222.	0.3	1
4091	Recombinant Genetic Libraries and Human Monoclonal Antibodies. <i>Methods in Molecular Biology</i> , 2014, 1060, 149-170.	0.9	12
4092	Active-site engineering of carbonic anhydrase and its application to biosensors. , 2000, , 221-240.		2



#	ARTICLE	IF	CITATIONS
4093	Transmembrane Helix Exchanges Between Quasi-Symmetric Subunits of the Photosynthetic Reaction Center. Springer Series in Biophysics, 1990, , 283-291.	0.4	3
4094	Specific Mutagenesis as a Tool for the Analysis of Structure/Function Relationships in Photosystem II. , 1989, , 21-35.		10
4095	The Efficiency of Oligonucleotide-Directed Mutagenesis. Nucleic Acids and Molecular Biology, 1988, , 124-135.	0.2	1
4097	Ligand Recognition Mechanism of Bacterial Chemoreceptors Revealed by Site-Specific Sulphydryl Modification. , 1994, , 210-214.		5
4098	Mutagenesis of HIS D1-198 and HIS D2-197 in Synechocystis PCC 6803: Effects on the Primary Donor of Photosystem II. , 1995, , 779-782.		4
4099	Site-Directed Mutagenesis of the Photosystem II D1 Gene and Transformation of the Chlamydomonas Chloroplast Genome. , 1992, , 421-424.		3
4100	System for Site-Directed Mutagenesis in the psbDI/C Operon of Synechocystis sp. PCC 6803. , 1990, , 231-238.		39
4102	Visualizing protein import into the plant cell nucleus. , 1994, , 551-566.		1
4104	In Vitro Expression of Serpins. Techniques in Protein Chemistry, 1994, , 305-312.	0.3	3
4105	Altering Substrate Specificity and Detecting Processivity in Nucleases. Techniques in Protein Chemistry, 1994, 5, 313-320.	0.3	2
4106	Tyrosine 385 of prostaglandin endoperoxide synthase is required for cyclooxygenase catalysis. Journal of Biological Chemistry, 1990, 265, 20073-20076.	3.4	214
4107	Conservation of Hsp90 macromolecular complexes in Saccharomyces cerevisiae.. Journal of Biological Chemistry, 1994, 269, 24983-24988.	3.4	147
4108	Fine tuning the specificity of the periplasmic phosphate transport receptor. Site-directed mutagenesis, ligand binding, and crystallographic studies.. Journal of Biological Chemistry, 1994, 269, 25091-25094.	3.4	49
4109	Enzyme behavior at surfaces. Site-specific variants of subtilisin BPN' with enhanced surface stability.. Journal of Biological Chemistry, 1994, 269, 23538-23543.	3.4	20
4110	Identification of exon sequences involved in splice site selection.. Journal of Biological Chemistry, 1994, 269, 23590-23596.	3.4	30
4111	Cloning and expression of the mammalian multifunctional protein CAD in Escherichia coli. Characterization of the recombinant protein and a deletion mutant lacking the major interdomain linker.. Journal of Biological Chemistry, 1994, 269, 23808-23816.	3.4	31
4112	Co-regulation by bent DNA. Functional substitutions of the integration host factor site at sigma 54-dependent promoter Pu of the upper-TOL operon by intrinsically curved sequences.. Journal of Biological Chemistry, 1994, 269, 22657-22662.	3.4	55
4113	Cytoplasmic tail deletion of T cell receptor (TCR) beta-chain results in its surface expression as glycosylphosphatidylinositol-anchored polypeptide on mature T cells in the absence of TCR-alpha.. Journal of Biological Chemistry, 1994, 269, 22758-22763.	3.4	13

#	ARTICLE	IF	CITATIONS
4114	Erythropoietin structure-function relationships. Identification of functionally important domains.. Journal of Biological Chemistry, 1994, 269, 22839-22846.	3.4	65
4115	Critical phosphorylation sites for acetyl-CoA carboxylase activity.. Journal of Biological Chemistry, 1994, 269, 22162-22168.	3.4	283
4116	The P1 reactive site methionine residue of ecotin is not crucial for its specificity on target proteases. A potent inhibitor of pancreatic serine proteases from Escherichia coli.. Journal of Biological Chemistry, 1994, 269, 21915-21918.	3.4	14
4117	Serine 113 is the site of receptor-mediated phosphorylation of the Dictyostelium G protein alpha-subunit G alpha 2.. Journal of Biological Chemistry, 1994, 269, 20925-20930.	3.4	22
4118	Role of the proximal ligand in peroxidase catalysis. Crystallographic, kinetic, and spectral studies of cytochrome c peroxidase proximal ligand mutants.. Journal of Biological Chemistry, 1994, 269, 20239-20249.	3.4	98
4119	-mu opiate receptor. Charged transmembrane domain amino acids are critical for agonist recognition and intrinsic activity.. Journal of Biological Chemistry, 1994, 269, 20548-20553.	3.4	215
4120	The low molecular weight protein which co-purifies with alpha-latrotoxin is structurally related to crustacean hyperglycemic hormones.. Journal of Biological Chemistry, 1994, 269, 19803-19809.	3.4	51
4121	Molecular determinants of bioactivity of the Saccharomyces cerevisiae lipopeptide mating pheromone.. Journal of Biological Chemistry, 1994, 269, 19817-19825.	3.4	28
4122	An amphipathic sequence determinant of membrane protein topology.. Journal of Biological Chemistry, 1994, 269, 19888-19896.	3.4	25
4123	Elongation factor EF-1 delta, a new target for maturation-promoting factor in Xenopus oocytes.. Journal of Biological Chemistry, 1994, 269, 20201-20207.	3.4	42
4124	A prenylation motif is required for plasma membrane localization and biochemical function of casein kinase I in budding yeast.. Journal of Biological Chemistry, 1994, 269, 19271-19278.	3.4	105
4125	Histidine 326 is critical for the function of GLT-1, a (Na <sup>+</sup> + K <sup>+</sup> )-coupled glutamate transporter from rat brain.. Journal of Biological Chemistry, 1994, 269, 19573-19577.	3.4	48
4126	Role of highly conserved lysine 130 of myosin motor domain. In vivo and in vitro characterization of site specifically mutated myosin.. Journal of Biological Chemistry, 1994, 269, 18773-18780.	3.4	131
4127	Alteration of a single amino acid residue in retinoic acid receptor causes dominant-negative phenotype.. Journal of Biological Chemistry, 1994, 269, 19101-19107.	3.4	46
4128	Expression, purification, and kinetic characterization of the mannitol transport domain of the phosphoenolpyruvate-dependent mannitol phosphotransferase system of Escherichia coli. Kinetic evidence that the E. coli mannitol transport protein is a functional dimer.. Journal of Biological Chemistry, 1994, 269, 17863-17871.	3.4	31
4129	Differential phosphorylation of intracellular domains of gamma-aminobutyric acid type A receptor subunits by calcium/calmodulin type 2-dependent protein kinase and cGMP-dependent protein kinase.. Journal of Biological Chemistry, 1994, 269, 18111-18117.	3.4	128
4130	Ribonuclease A can be transformed into a dimeric ribonuclease with antitumor activity. Journal of Biological Chemistry, 1994, 269, 17394-17396.	3.4	83
4131	Study of the roles of proline 391 and a highly conserved sequence in the carboxyl-terminal region of members of the serpin family in the secretion of alpha 1-proteinase inhibitor.. Journal of Biological Chemistry, 1994, 269, 17252-17256.	3.4	14

#	ARTICLE	IF	CITATIONS
4132	Transmembrane topology of the glutamate receptor subunit GluR6.. Journal of Biological Chemistry, 1994, 269, 11679-11682.	3.4	82
4133	Methylation sensitivity of the enhancer from the human papillomavirus type 16.. Journal of Biological Chemistry, 1994, 269, 11902-11911.	3.4	27
4134	Plasminogen mutants activated by thrombin. Potential thrombus-selective thrombolytic agents.. Journal of Biological Chemistry, 1994, 269, 15989-15992.	3.4	20
4135	Thrombin receptor activation. Confirmation of the intramolecular tethered liganding hypothesis and discovery of an alternative intermolecular liganding mode.. Journal of Biological Chemistry, 1994, 269, 16041-16045.	3.4	166
4136	In vitro characterization of nonpeptide irreversible inhibitors of HIV proteases.. Journal of Biological Chemistry, 1994, 269, 10691-10698.	3.4	32
4137	A mutational study of the C-terminal zinc-finger motif of the Escherichia coli UvrA protein.. Journal of Biological Chemistry, 1994, 269, 10771-10775.	3.4	27
4138	A+U content rather than a particular nucleotide order determines the specificity of RNase E cleavage.. Journal of Biological Chemistry, 1994, 269, 10790-10796.	3.4	228
4139	Disruption of an ATP-dependent isomerization of the recA protein by mutation of histidine 163.. Journal of Biological Chemistry, 1991, 266, 844-850.	3.4	21
4140	The effects of N helix deletion and mutant F29W on the Ca <sup>2+</sup> binding and functional properties of chicken skeletal muscle troponin.. Journal of Biological Chemistry, 1994, 269, 14988-14994.	3.4	38
4141	Identification and characterization of SPRK, a novel src-homology 3 domain-containing proline-rich kinase with serine/threonine kinase activity.. Journal of Biological Chemistry, 1994, 269, 15092-15100.	3.4	123
4142	Amino acid sequence motifs essential to 3'→5' exonuclease activity of Escherichia coli DNA polymerase II.. Journal of Biological Chemistry, 1994, 269, 14655-14660.	3.4	19
4143	Two functional forms of the Xenopus laevis estrogen receptor translated from a single mRNA species.. Journal of Biological Chemistry, 1994, 269, 14047-14055.	3.4	21
4144	Acetylation of human prostaglandin endoperoxide synthase-2 (cyclooxygenase-2) by aspirin.. Journal of Biological Chemistry, 1994, 269, 13207-13215.	3.4	328
4145	Role of lysine 758 of Escherichia coli DNA polymerase I as assessed by site-directed mutagenesis.. Journal of Biological Chemistry, 1994, 269, 13259-13265.	3.4	21
4146	Interplay of heterogeneous transcriptional start sites and translational selection of AUGs dictate the production of mitochondrial and cytosolic/nuclear tRNA nucleotidyltransferase from the same gene in yeast.. Journal of Biological Chemistry, 1994, 269, 13361-13366.	3.4	58
4147	Beta-turn formation in the processing region is important for efficient maturation of Escherichia coli maltose-binding protein by signal peptidase I in vivo.. Journal of Biological Chemistry, 1994, 269, 13609-13613.	3.4	17
4148	Primary structural constraints of P-loop of mitochondrial F1-ATPase from yeast. Journal of Biological Chemistry, 1994, 269, 9424-9428.	3.4	30
4149	Single amino acid substitutions of alpha 1-antitrypsin that confer enhancement in thermal stability. Journal of Biological Chemistry, 1994, 269, 9627-9631.	3.4	72

#	ARTICLE	IF	CITATIONS
4150	Expression of Escherichia coli folylpolyglutamate synthetase in the Chinese hamster ovary cell mitochondrion. Journal of Biological Chemistry, 1994, 269, 9705-9713.	3.4	40
4151	cDNA sequence, gene structure, and in vitro expression of ace-1, the gene encoding acetylcholinesterase of class A in the nematode Caenorhabditis elegans. Journal of Biological Chemistry, 1994, 269, 9957-9965.	3.4	73
4152	Conserved tyrosines in the alpha subunit of the nicotinic acetylcholine receptor stabilize quaternary ammonium groups of agonists and curariform antagonists.. Journal of Biological Chemistry, 1994, 269, 8808-8816.	3.4	118
4153	A Trk nerve growth factor (NGF) receptor point mutation affecting interaction with phospholipase C-gamma 1 abolishes NGF-promoted peripherin induction but not neurite outgrowth.. Journal of Biological Chemistry, 1994, 269, 8901-8910.	3.4	117
4154	Altering the RNA binding specificity of a translational repressor.. Journal of Biological Chemistry, 1994, 269, 9006-9010.	3.4	53
4155	The carboxyl-terminal residues of Escherichia coli DNA topoisomerase III are involved in substrate binding.. Journal of Biological Chemistry, 1994, 269, 9052-9059.	3.4	28
4156	Identification of bacteriophage phi 29 prohead RNA domains necessary for in vitro DNA-gp3 packaging.. Journal of Biological Chemistry, 1994, 269, 9084-9089.	3.4	42
4157	Introduction of a tryptophan reporter group into loop 1 of the recA protein. Examination of the conformational states of the recA-ssDNA complex by fluorescence spectroscopy.. Journal of Biological Chemistry, 1994, 269, 7919-7925.	3.4	19
4158	Glycosylation sites selectively interfere with alpha-toxin binding to the nicotinic acetylcholine receptor.. Journal of Biological Chemistry, 1994, 269, 8108-8114.	3.4	89
4159	The sulfurtransferase activity and structure of rhodanese are affected by site-directed replacement of Arg-186 or Lys-249.. Journal of Biological Chemistry, 1994, 269, 8220-8225.	3.4	46
4160	Mutational analysis of disulfide bridges in the type C atrial natriuretic peptide receptor.. Journal of Biological Chemistry, 1994, 269, 8314-8318.	3.4	37
4161	The release of Alzheimer's disease beta amyloid peptide is reduced by phorbol treatment.. Journal of Biological Chemistry, 1994, 269, 8376-8382.	3.4	82
4162	Involvement of conserved lysine 68 of Bacillus stearothermophilus leucine dehydrogenase in substrate binding.. Journal of Biological Chemistry, 1994, 269, 7262-7266.	3.4	16
4163	Expression, purification, crystallization, and preliminary x-ray analysis of casein kinase-1 from Schizosaccharomyces pombe.. Journal of Biological Chemistry, 1994, 269, 7304-7309.	3.4	56
4164	Functional roles of Glu-269 and Glu-325 within the lactose permease of Escherichia coli.. Journal of Biological Chemistry, 1994, 269, 7379-7386.	3.4	81
4165	Analysis of the translational initiation region on the Euglena gracilis chloroplast ribulose-bisphosphate carboxylase/oxygenase (rbcl) messenger RNA.. Journal of Biological Chemistry, 1994, 269, 7494-7500.	3.4	19
4166	Identification of temperature-sensitive mutants of the human immunodeficiency virus type 1 protease through saturation mutagenesis. Amino acid side chain requirements for temperature sensitivity.. Journal of Biological Chemistry, 1994, 269, 7689-7695.	3.4	20
4167	Mutagenic investigation of conserved functional amino acids in Escherichia coli L-aspartase.. Journal of Biological Chemistry, 1994, 269, 6313-6319.	3.4	43

#	ARTICLE	IF	CITATIONS
4168	Kinetic and mutational analysis of human immunodeficiency virus type 1 reverse transcriptase inhibition by inophyllums, a novel class of non-nucleoside inhibitors.. Journal of Biological Chemistry, 1994, 269, 6325-6331.	3.4	49
4169	The conserved serine 211 is essential for reduction of the dinuclear iron center in protein R2 of Escherichia coli ribonucleotide reductase.. Journal of Biological Chemistry, 1994, 269, 6355-6361.	3.4	16
4170	Glucocorticoid receptors in ATP-depleted cells. Dephosphorylation, loss of hormone binding, HSP90 dissociation, and ATP-dependent cycling.. Journal of Biological Chemistry, 1994, 269, 6571-6577.	3.4	43
4171	Binding of purine nucleotides to two regulatory sites results in synergistic feedback inhibition of glutamine 5-phosphoribosylpyrophosphate amidotransferase.. Journal of Biological Chemistry, 1994, 269, 6784-6789.	3.4	39
4172	Localization of ligand-induced phosphorylation sites to serine clusters in the C-terminal domain of the Dictyostelium cAMP receptor, cAR1.. Journal of Biological Chemistry, 1994, 269, 7036-7044.	3.4	49
4173	Rat guanidinoacetate methyltransferase. Effect of site-directed alteration of an aspartic acid residue that is conserved across most mammalian S-adenosylmethionine-dependent methyltransferases.. Journal of Biological Chemistry, 1994, 269, 5537-5542.	3.4	24
4174	Characterization of the tyrosyl radicals in ovine prostaglandin H synthase-1 by isotope replacement and site-directed mutagenesis.. Journal of Biological Chemistry, 1994, 269, 5085-5091.	3.4	84
4175	Involvement of FtsH in protein assembly into and through the membrane. II. Dominant mutations affecting FtsH functions.. Journal of Biological Chemistry, 1994, 269, 5225-5229.	3.4	82
4176	Structural and regulatory functions of the NH2- and COOH-terminal regions of skeletal muscle troponin I.. Journal of Biological Chemistry, 1994, 269, 5230-5240.	3.4	200
4177	Insensitivity of the present hsp26 chromatin structure to a TATA box mutation in Drosophila.. Journal of Biological Chemistry, 1994, 269, 15906-15911.	3.4	8
4178	Competitive binding of vascular cell adhesion molecule-1 and the HepII/IIICS domain of fibronectin to the integrin alpha 4 beta 1.. Journal of Biological Chemistry, 1994, 269, 4005-4011.	3.4	95
4179	Expression and mutagenesis of mouse rod photoreceptor cGMP phosphodiesterase.. Journal of Biological Chemistry, 1994, 269, 3265-3271.	3.4	53
4180	Mutations of noncatalytic sulfhydryl groups influence the stability, folding, and oxidative susceptibility of rhodanese.. Journal of Biological Chemistry, 1994, 269, 3423-3428.	3.4	17
4181	Functional roles of Trp337 and Glu632 in Clostridium glucoamylase, as determined by chemical modification, mutagenesis, and the stopped-flow method.. Journal of Biological Chemistry, 1994, 269, 3503-3510.	3.4	14
4182	Identification and characterization of the second regulatory disulfide bridge of recombinant sorghum leaf NADP-malate dehydrogenase.. Journal of Biological Chemistry, 1994, 269, 3511-3517.	3.4	72
4183	Reverse transphosphorylation by ribonuclease A needs an intact p2-binding site. Point mutations at Lys-7 and Arg-10 alter the catalytic properties of the enzyme.. Journal of Biological Chemistry, 1994, 269, 2529-2534.	3.4	67
4184	Identification of tryptophan residues critical for the function and targeting of the gamma-aminobutyric acid transporter (subtype A).. Journal of Biological Chemistry, 1994, 269, 3063-3067.	3.4	88
4185	Decatenating activity of Escherichia coli DNA gyrase and topoisomerases I and III during oriC and pBR322 DNA replication in vitro.. Journal of Biological Chemistry, 1994, 269, 2093-2099.	3.4	111

#	ARTICLE	IF	CITATIONS
4186	Characterization of the retention motif in the C-terminal part of the long splice form of platelet-derived growth factor A-chain.. Journal of Biological Chemistry, 1994, 269, 926-930.	3.4	52
4187	Inhibition of thrombin receptor signaling by a G-protein coupled receptor kinase. Functional specificity among G-protein coupled receptor kinases.. Journal of Biological Chemistry, 1994, 269, 1125-1130.	3.4	209
4188	Active site mutants of Escherichia coli citrate synthase. Effects of mutations on catalytic and allosteric properties.. Journal of Biological Chemistry, 1994, 269, 412-417.	3.4	38
4189	A single mutation in bacteriophage T4 DNA polymerase (A737V, tsL141) decreases its processivity as a polymerase and increases its processivity as a 3'→5' exonuclease.. Journal of Biological Chemistry, 1994, 269, 438-446.	3.4	42
4190	Recognition of exon-intron boundaries by the Halobacterium volcanii tRNA intron endonuclease.. Journal of Biological Chemistry, 1990, 265, 18104-18111.	3.4	82
4191	Identification of the active site serine in pancreatic cholesterol esterase by chemical modification and site-specific mutagenesis.. Journal of Biological Chemistry, 1990, 265, 16801-16806.	3.4	66
4192	The tryptophan cluster: a hypothetical structure of the DNA-binding domain of the myb protooncogene product.. Journal of Biological Chemistry, 1990, 265, 19990-19995.	3.4	138
4193	A Pro to Gly mutation in the hinge of the arabinose-binding protein enhances binding and alters specificity. Sugar-binding and crystallographic studies.. Journal of Biological Chemistry, 1990, 265, 16592-16603.	3.4	46
4194	The 5'-flanking region of the mouse vascular smooth muscle alpha-actin gene contains evolutionarily conserved sequence motifs within a functional promoter.. Journal of Biological Chemistry, 1990, 265, 16667-16675.	3.4	90
4195	Direct identification of the primary nucleophile of thioredoxin f.. Journal of Biological Chemistry, 1993, 268, 18411-18414.	3.4	57
4196	Partial functional mapping of the human interleukin-8 type A receptor. Identification of a major ligand binding domain.. Journal of Biological Chemistry, 1993, 268, 18549-18553.	3.4	128
4197	Identification of glutamic acid 204 and aspartic acid 200 in chitinase A1 of Bacillus circulans WL-12 as essential residues for chitinase activity.. Journal of Biological Chemistry, 1993, 268, 18567-18572.	3.4	320
4198	Mutational study of Streptomyces tyrosinase trans-activator MelC1. MelC1 is likely a chaperone for apotyrosinase.. Journal of Biological Chemistry, 1993, 268, 18710-18716.	3.4	48
4199	Activation of mitogen-activated protein kinase/extracellular signal-regulated kinase by G protein and tyrosine kinase oncoproteins.. Journal of Biological Chemistry, 1993, 268, 17896-17901.	3.4	122
4200	Identification of the region on the class I histocompatibility molecule that interacts with the molecular chaperone, p88 (calnexin, IP90).. Journal of Biological Chemistry, 1993, 268, 17959-17966.	3.4	74
4201	On the subunit composition, stoichiometry, and phosphorylation of the yeast transcription factor TFIIIC/tau.. Journal of Biological Chemistry, 1993, 268, 18047-18052.	3.4	31
4202	N-glycosylation of prostaglandin endoperoxide synthases-1 and -2 and their orientations in the endoplasmic reticulum.. Journal of Biological Chemistry, 1993, 268, 18234-18242.	3.4	182
4203	Evidence of a self-catalytic mechanism of 2,4,5-trihydroxyphenylalanine quinone biogenesis in yeast copper amine oxidase.. Journal of Biological Chemistry, 1994, 269, 32039-32042.	3.4	100



#	ARTICLE	IF	CITATIONS
4204	Identification of a cytoplasmic Ser-Thr-Leu motif that determines agonist-induced internalization of the AT1 angiotensin receptor.. Journal of Biological Chemistry, 1994, 269, 31378-31382.	3.4	166
4205	Shared active sites of fructose-1,6-bisphosphatase. Arginine 243 mediates substrate binding and fructose 2,6-bisphosphate inhibition.. Journal of Biological Chemistry, 1994, 269, 31404-31409.	3.4	17
4206	Mutations at histidine 412 alter zinc binding and eliminate transferase activity in Escherichia coli alkaline phosphatase.. Journal of Biological Chemistry, 1994, 269, 31614-31619.	3.4	19
4207	The effect of eight V2 vasopressin receptor mutations on stimulation of adenylyl cyclase and binding to vasopressin.. Journal of Biological Chemistry, 1994, 269, 31933-31937.	3.4	74
4208	Conversion of the proximal histidine ligand to glutamine restores activity to an inactive mutant of cytochrome c peroxidase.. Journal of Biological Chemistry, 1992, 267, 25656-25659.	3.4	24
4209	Substrate specificity of myosin light chain kinases.. Journal of Biological Chemistry, 1992, 267, 25945-25950.	3.4	27
4210	Expression and characterization of hepatocyte growth factor receptor-IgG fusion proteins. Effects of mutations in the potential proteolytic cleavage site on processing and ligand binding.. Journal of Biological Chemistry, 1992, 267, 26166-26171.	3.4	67
4211	Hirudinsins. Hirudin-derived thrombin inhibitors with disintegrin activity.. Journal of Biological Chemistry, 1992, 267, 24230-24234.	3.4	37
4212	Two alternative structures can be formed by IHF protein binding to the plasmid R6K gamma origin.. Journal of Biological Chemistry, 1992, 267, 24426-24432.	3.4	9
4213	Six amino acids determine the sequence-specific DNA binding and replication specificity of the initiator proteins of the pT181 family.. Journal of Biological Chemistry, 1992, 267, 24538-24543.	3.4	35
4214	The helix-loop-helix/leucine repeat transcription factor USF can be functionally regulated in a redox-dependent manner.. Journal of Biological Chemistry, 1992, 267, 24563-24567.	3.4	116
4215	AraC protein contacts asymmetric sites in the Escherichia coli araFGH promoter.. Journal of Biological Chemistry, 1992, 267, 24848-24857.	3.4	11
4216	Essential histidines of prostaglandin endoperoxide synthase. His-309 is involved in heme binding.. Journal of Biological Chemistry, 1991, 266, 6168-6173.	3.4	107
4217	Mutational analysis of the cation-independent mannose 6-phosphate/insulin-like growth factor II receptor. A consensus casein kinase II site followed by 2 leucines near the carboxyl terminus is important for intracellular targeting of lysosomal enzymes.. Journal of Biological Chemistry, 1993, 268, 22338-22346.	3.4	91
4218	Site-directed mutagenesis of histidine 93, aspartic acid 180, glutamic acid 205, histidine 290, and aspartic acid 291 at the active site and tryptophan 279 at the raw starch binding site in barley alpha-amylase 1.. Journal of Biological Chemistry, 1993, 268, 22480-22484.	3.4	128
4219	ATP hydrolysis is not stoichiometrically linked with proteolysis in the ATP-dependent protease La from Escherichia coli.. Journal of Biological Chemistry, 1993, 268, 22502-22507.	3.4	45
4220	The nucleotide sequence of porcine formiminotransferase cyclodeaminase. Expression and purification from Escherichia coli.. Journal of Biological Chemistry, 1993, 268, 22820-22824.	3.4	19
4221	Negative complementation in aspartate transcarbamylase. Analysis of hybrid enzyme molecules containing different arrangements of polypeptide chains from wild-type and inactive mutant catalytic subunits.. Journal of Biological Chemistry, 1992, 267, 22148-22155.	3.4	15

#	ARTICLE	IF	CITATIONS
4222	The identification of a domain in Escherichia coli elongation factor Tu that interacts with elongation factor Ts.. Journal of Biological Chemistry, 1992, 267, 22198-22205.	3.4	24
4223	Rat liver dipeptidylpeptidase IV contains competing apical and basolateral targeting information.. Journal of Biological Chemistry, 1992, 267, 22282-22288.	3.4	49
4224	Site-specific frameshift mutagenesis by a propanodeoxyguanosine adduct positioned in the (CpG) <sup>4</sup> hot-spot of Salmonella typhimurium hisD3052 carried on an M13 vector.. Journal of Biological Chemistry, 1992, 267, 22392-22400.	3.4	52
4225	Functional role of arginine 302 within the lactose permease of Escherichia coli.. Journal of Biological Chemistry, 1992, 267, 19095-19100.	3.4	29
4226	Phi 29 DNA polymerase active site. Mutants in conserved residues Tyr254 and Tyr390 are affected in dNTP binding.. Journal of Biological Chemistry, 1992, 267, 19427-19434.	3.4	56
4227	Site-specific mutagenesis of residues in the Escherichia coli mannitol permease that have been suggested to be important for its phosphorylation and chemoreception functions.. Journal of Biological Chemistry, 1992, 267, 19529-19535.	3.4	33
4228	Site-directed mutagenesis of the phosphorylatable serine (Ser8) in C4 phosphoenolpyruvate carboxylase from sorghum. The effect of negative charge at position 8.. Journal of Biological Chemistry, 1992, 267, 16759-16762.	3.4	59
4229	Site-directed mutagenesis of tetraheme cytochrome c3. Modification of oxidoreduction potentials after heme axial ligand replacement.. Journal of Biological Chemistry, 1992, 267, 16851-16858.	3.4	48
4230	Single amino acid substitutions can convert the uncleaved signal-anchor of sucrase-isomaltase to a cleaved signal sequence.. Journal of Biological Chemistry, 1992, 267, 16928-16933.	3.4	25
4231	Characterization of phycocyanin produced by cpcE and cpcF mutants and identification of an intergenic suppressor of the defect in bilin attachment.. Journal of Biological Chemistry, 1992, 267, 16146-16154.	3.4	75
4232	The importance of aspartate 327 for catalysis and zinc binding in Escherichia coli alkaline phosphatase.. Journal of Biological Chemistry, 1992, 267, 16244-16251.	3.4	18
4233	Molecular dissection of the beta subunit of F1-ATPase into peptide fragments.. Journal of Biological Chemistry, 1992, 267, 16484-16490.	3.4	20
4234	Site-directed mutagenesis and structure-function analysis of the human apolipoprotein A-I. Relation between lecithin-cholesterol acyltransferase activation and lipid binding.. Journal of Biological Chemistry, 1992, 267, 16553-16560.	3.4	110
4235	Insulin receptor kinase domain autophosphorylation regulates receptor enzymatic function.. Journal of Biological Chemistry, 1992, 267, 16660-16668.	3.4	124
4236	Multiple forms of ubiquitin-activating enzyme E1 from wheat. Identification of an essential cysteine by in vitro mutagenesis.. Journal of Biological Chemistry, 1992, 267, 14799-14803.	3.4	69
4237	Identification of the catalytically important histidine of 3-hydroxy-3-methylglutaryl-coenzyme A reductase.. Journal of Biological Chemistry, 1992, 267, 15064-15070.	3.4	59
4238	Differential effects of W mutations on p145c-kit tyrosine kinase activity and substrate interaction.. Journal of Biological Chemistry, 1992, 267, 13210-13216.	3.4	30
4239	Site-directed mutagenesis of serine 40 of rat tyrosine hydroxylase. Effects of dopamine and cAMP-dependent phosphorylation on enzyme activity.. Journal of Biological Chemistry, 1992, 267, 12639-12646.	3.4	140

#	ARTICLE	IF	CITATIONS
4240	Four conserved cysteine residues are required for the DNA binding activity of nuclear factor I.. Journal of Biological Chemistry, 1992, 267, 12986-12990.	3.4	23
4241	An actin footprint on villin. Single site substitutions in a cluster of basic residues inhibit the actin severing but not capping activity of villin.. Journal of Biological Chemistry, 1992, 267, 13079-13085.	3.4	48
4242	Studies on the structure and binding properties of the cysteine-rich domain of rat low affinity nerve growth factor receptor (p75NGFR).. Journal of Biological Chemistry, 1992, 267, 8352-8359.	3.4	38
4243	Side chains involved in catalysis of the polymerase reaction of DNA polymerase I from Escherichia coli.. Journal of Biological Chemistry, 1992, 267, 8417-8428.	3.4	177
4244	Involvement of Cys69 residue in the catalytic mechanism of N-hydroxyarylamine O-acetyltransferase of Salmonella typhimurium. Sequence similarity at the amino acid level suggests a common catalytic mechanism of acetyltransferase for S. typhimurium and higher organisms.. Journal of Biological Chemistry, 1992, 267, 8429-8436.	3.4	106
4245	Role of asparagine-111 at the active site of ribulose-1,5-bisphosphate carboxylase/oxygenase from Rhodospirillum rubrum as explored by site-directed mutagenesis.. Journal of Biological Chemistry, 1992, 267, 8452-8457.	3.4	15
4246	Four-amino acid segment in steroid 5 alpha-reductase 1 confers sensitivity to finasteride, a competitive inhibitor.. Journal of Biological Chemistry, 1992, 267, 8577-8583.	3.4	83
4247	Glycophorin A dimerization is driven by specific interactions between transmembrane alpha-helices.. Journal of Biological Chemistry, 1992, 267, 7683-7689.	3.4	443
4248	The role of the N region in signal sequence and signal-anchor function.. Journal of Biological Chemistry, 1992, 267, 7761-7769.	3.4	60
4249	Mutational analysis of active site residues in pig heart aconitase.. Journal of Biological Chemistry, 1992, 267, 7895-7903.	3.4	53
4250	Acetyl coenzyme A binding by chloramphenicol acetyltransferase. Hydrophobic determinants of recognition and catalysis.. Journal of Biological Chemistry, 1992, 267, 5122-5127.	3.4	20
4251	Characterization of two site-specifically mutated human dihydrolipoamide dehydrogenases (His-452→Gln and Glu-457→Gln).. Journal of Biological Chemistry, 1992, 267, 5128-5132.	3.4	29
4252	Ca <sup>2+</sup> binding and conformational change in two series of point mutations to the individual Ca(2+)-binding sites of calmodulin.. Journal of Biological Chemistry, 1992, 267, 5286-5295.	3.4	203
4253	Site-directed mutagenesis of essential carboxylic residues in Clostridium thermocellum endoglucanase CelD.. Journal of Biological Chemistry, 1992, 267, 4472-4478.	3.4	65
4254	Evidence for dual coupling of the murine luteinizing hormone receptor to adenylyl cyclase and phosphoinositide breakdown and Ca <sup>2+</sup> mobilization. Studies with the cloned murine luteinizing hormone receptor expressed in L cells.. Journal of Biological Chemistry, 1992, 267, 4479-4488.	3.4	334
4255	Characterization of sua7 mutations defines a domain of TFIIB involved in transcription start site selection in yeast.. Journal of Biological Chemistry, 1994, 269, 30569-30573.	3.4	120
4256	Heterotrimeric G proteins containing G alpha i3 regulate multiple effector enzymes in the same cell. Activation of phospholipases C and A2 and inhibition of adenylyl cyclase.. Journal of Biological Chemistry, 1994, 269, 29565-29570.	3.4	64
4257	Mutational analysis of vaccinia DNA topoisomerase defines amino acid residues essential for covalent catalysis.. Journal of Biological Chemistry, 1994, 269, 29978-29983.	3.4	34

#	ARTICLE	IF	CITATIONS
4258	Spermidine biosynthesis in <i>Saccharomyces cerevisiae</i> . Biosynthesis and processing of a proenzyme form of S-adenosylmethionine decarboxylase.. <i>Journal of Biological Chemistry</i> , 1990, 265, 22321-22328.	3.4	60
4259	Site-directed mutagenesis of the phosphate-binding consensus sequence in <i>Escherichia coli</i> adenylosuccinate synthetase.. <i>Journal of Biological Chemistry</i> , 1992, 267, 2388-2392.	3.4	21
4260	Tolerance of T4 lysozyme to proline substitutions within the long interdomain alpha-helix illustrates the adaptability of proteins to potentially destabilizing lesions.. <i>Journal of Biological Chemistry</i> , 1992, 267, 2393-2399.	3.4	47
4261	Characterization of lysyl residues of NADH-cytochrome b5 reductase implicated in charge-pairing with active-site carboxyl residues of cytochrome b5 by site-directed mutagenesis of an expression vector for the flavoprotein.. <i>Journal of Biological Chemistry</i> , 1992, 267, 2519-2523.	3.4	29
4262	Amino acids conserved in interleukin-1 receptors (IL-1Rs) and the <i>Drosophila</i> toll protein are essential for IL-1R signal transduction.. <i>Journal of Biological Chemistry</i> , 1992, 267, 2605-2609.	3.4	163
4263	The role of the N terminus in Tet repressor for tet operator binding determined by a mutational analysis.. <i>Journal of Biological Chemistry</i> , 1992, 267, 1945-1952.	3.4	28
4264	PrtD, the integral membrane ATP-binding cassette component of the <i>Erwinia chrysanthemi</i> metalloprotease secretion system, exhibits a secretion signal-regulated ATPase activity.. <i>Journal of Biological Chemistry</i> , 1994, 269, 27952-27957.	3.4	59
4265	Identification of a nitrogenase protein-protein interaction site defined by residues 59 through 67 within the <i>Azotobacter vinelandii</i> Fe protein.. <i>Journal of Biological Chemistry</i> , 1994, 269, 28076-28083.	3.4	31
4266	Identification of the cis-acting DNA sequence elements regulating the transcription of the <i>Saccharomyces cerevisiae</i> gene encoding TBP, the TATA box binding protein.. <i>Journal of Biological Chemistry</i> , 1994, 269, 28335-28346.	3.4	13
4267	Site-directed mutagenesis of conserved serines in rat histidase. Identification of serine 254 as an essential active site residue.. <i>Journal of Biological Chemistry</i> , 1994, 269, 27473-27477.	3.4	13
4268	Rapid secretion by a nonclassical pathway of overexpressed mammalian mitochondrial rhodanese.. <i>Journal of Biological Chemistry</i> , 1994, 269, 27625-27630.	3.4	25
4269	Intracellular targeting and trafficking of thrombin receptors. A novel mechanism for resensitization of a G protein-coupled receptor.. <i>Journal of Biological Chemistry</i> , 1994, 269, 27719-27726.	3.4	210
4270	Analysis of the role of the Shine-Dalgarno sequence and mRNA secondary structure on the efficiency of translational initiation in the <i>Euglena gracilis</i> chloroplast atpH mRNA. <i>Journal of Biological Chemistry</i> , 1994, 269, 26456-26463.	3.4	31
4271	Geometry of the process of transcription activation at the sigma 54-dependent nifH promoter of <i>Klebsiella pneumoniae</i> .. <i>Journal of Biological Chemistry</i> , 1994, 269, 25419-25425.	3.4	38
4272	Human HSP27 is phosphorylated at serines 78 and 82 by heat shock and mitogen-activated kinases that recognize the same amino acid motif as S6 kinase II.. <i>Journal of Biological Chemistry</i> , 1992, 267, 794-803.	3.4	408
4273	Structure of mouse interleukin 3 (IL-3) binding protein (AIC2A). Amino acid residues critical for IL-3 binding.. <i>Journal of Biological Chemistry</i> , 1992, 267, 979-983.	3.4	35
4274	Elimination of apolipoprotein B48 formation in rat hepatoma cell lines transfected with mutant human apolipoprotein B cDNA constructs.. <i>Journal of Biological Chemistry</i> , 1992, 267, 1175-1182.	3.4	38
4275	Synthesis of precursor maltose-binding protein with proline in the +1 position of the cleavage site interferes with the activity of <i>Escherichia coli</i> signal peptidase I in vivo.. <i>Journal of Biological Chemistry</i> , 1992, 267, 1231-1238.	3.4	74

#	ARTICLE	IF	CITATIONS
4276	Recombinant Gq alpha. Mutational activation and coupling to receptors and phospholipase C.. Journal of Biological Chemistry, 1992, 267, 31-34.	3.4	147
4277	Secretion of alpha-1-proteinase inhibitor requires an almost full length molecule.. Journal of Biological Chemistry, 1992, 267, 294-297.	3.4	49
4278	Site-directed mutants, at position 166, of RTEM-1 beta-lactamase that form a stable acyl-enzyme intermediate with penicillin.. Journal of Biological Chemistry, 1991, 266, 3186-3191.	3.4	130
4279	Maltose chemotaxis involves residues in the N-terminal and C-terminal domains on the same face of maltose-binding protein. Journal of Biological Chemistry, 1992, 267, 22813-22820.	3.4	40
4280	Identification of critical amino-terminal regions of XylS. The positive regulator encoded by the TOL plasmid. Journal of Biological Chemistry, 1992, 267, 22897-22901.	3.4	45
4281	Dominant negative mutants of ornithine decarboxylase. Journal of Biological Chemistry, 1992, 267, 23057-23062.	3.4	34
4282	Site-specific substitution of glutamate for aspartate at position 59 of rat oncomodulin. Journal of Biological Chemistry, 1989, 264, 18751-18760.	3.4	65
4283	Construction and characterization of the chimeric enzymes between the Bacillus subtilis cellulase and an alkalophilic Bacillus cellulase. Journal of Biological Chemistry, 1991, 266, 1579-1583.	3.4	28
4284	Amino acid substitutions in pilin of Pseudomonas aeruginosa. Effect on leader peptide cleavage, amino-terminal methylation, and pilus assembly. Journal of Biological Chemistry, 1991, 266, 1656-1664.	3.4	134
4285	Characterization of recombinant human Kirsten-ras (4B) p21 produced at high levels in Escherichia coli and insect baculovirus expression systems. Journal of Biological Chemistry, 1991, 266, 1672-1678.	3.4	38
4286	Structural analysis of the Neurospora mitochondrial large rRNA intron and construction of a mini-intron that shows protein-dependent splicing. Journal of Biological Chemistry, 1991, 266, 1809-1819.	3.4	33
4287	Role of a disulfide bond in the thermal stability of the LamB protein trimer in Escherichia coli outer membrane. Journal of Biological Chemistry, 1991, 266, 1866-1871.	3.4	28
4288	Characterization of the calmodulin binding domain of neuromodulin. Functional significance of serine 41 and phenylalanine 42.. Journal of Biological Chemistry, 1991, 266, 207-213.	3.4	155
4289	Formation of a stable adduct between ubiquitin and the Arabidopsis ubiquitin-conjugating enzyme, AtUBC1+.. Journal of Biological Chemistry, 1993, 268, 8777-8780.	3.4	24
4290	Phenotypic analysis of proteinase A mutants. Implications for autoactivation and the maturation pathway of the vacuolar hydrolases of Saccharomyces cerevisiae.. Journal of Biological Chemistry, 1993, 268, 8990-8998.	3.4	36
4291	Transcriptional activation of the inducible nuclear receptor gene nur77 by nerve growth factor and membrane depolarization in PC12 cells.. Journal of Biological Chemistry, 1993, 268, 9148-9155.	3.4	69
4292	Kinetic destabilization of the hydroperoxy flavin intermediate by site-directed modification of the reactive thiol in bacterial luciferase.. Journal of Biological Chemistry, 1993, 268, 7699-7706.	3.4	40
4293	Inversion of the substrate specificity of yeast alcohol dehydrogenase.. Journal of Biological Chemistry, 1993, 268, 7792-7798.	3.4	66



#	ARTICLE	IF	CITATIONS
4294	Site-specific mutations in a loop region of the C-terminal domain of the large subunit of ribulose biphosphate carboxylase/oxygenase that influence substrate partitioning.. Journal of Biological Chemistry, 1993, 268, 7818-7824.	3.4	62
4295	The sequence features important for plus strand priming by human immunodeficiency virus type 1 reverse transcriptase.. Journal of Biological Chemistry, 1993, 268, 6221-6227.	3.4	61
4296	Association of both enoyl coenzyme A hydratase and 3-hydroxyacyl coenzyme A epimerase with an active site in the amino-terminal domain of the multifunctional fatty acid oxidation protein from Escherichia coli.. Journal of Biological Chemistry, 1993, 268, 6588-6592.	3.4	35
4297	Phosphorylation of serine 208 in the human vitamin D receptor. The predominant amino acid phosphorylated by casein kinase II, in vitro, and identification as a significant phosphorylation site in intact cells.. Journal of Biological Chemistry, 1993, 268, 6791-6799.	3.4	99
4298	Mechanism-based design of prolactin receptor antagonists.. Journal of Biological Chemistry, 1993, 268, 5376-5381.	3.4	134
4299	The bovine mannose 6-phosphate/insulin-like growth factor II receptor. The role of arginine residues in mannose 6-phosphate binding.. Journal of Biological Chemistry, 1993, 268, 5457-5463.	3.4	97
4300	Mutational analysis of active site residues of human adenosine deaminase.. Journal of Biological Chemistry, 1993, 268, 5464-5470.	3.4	42
4301	Cloning and analysis of two new isoforms of multifunctional Ca <sup>2+</sup> /calmodulin-dependent protein kinase. Expression in multiple human tissues.. Journal of Biological Chemistry, 1993, 268, 5471-5479.	3.4	87
4302	A chimeric alpha-glucan phosphorylase of plant type L and H isozymes. Functional role of 78-residue insertion in type L isozyme.. Journal of Biological Chemistry, 1993, 268, 5574-5581.	3.4	31
4303	Tissue-specific expression and alternative mRNA processing of the mammalian acetylcholinesterase gene.. Journal of Biological Chemistry, 1993, 268, 5790-5797.	3.4	68
4304	The baculovirus Autographa californica encodes a protein tyrosine phosphatase.. Journal of Biological Chemistry, 1993, 268, 4728-4733.	3.4	65
4305	A variant form of the type C atrial natriuretic peptide receptor generated by alternative RNA splicing.. Journal of Biological Chemistry, 1993, 268, 5162-5167.	3.4	24
4306	Mutations in the helix-turn-helix motif of the Escherichia coli UvrA protein eliminate its specificity for UV-damaged DNA.. Journal of Biological Chemistry, 1993, 268, 5323-5331.	3.4	24
4307	Helicase-deficient cysteine to glycine substitution mutants of Escherichia coli replication protein PriA retain single-stranded DNA-dependent ATPase activity. Zn <sup>2+</sup> stimulation of mutant PriA helicase and primosome assembly activities.. Journal of Biological Chemistry, 1993, 268, 4337-4346.	3.4	41
4308	Inactivation of the recA protein by mutation of histidine 97 or lysine 248 at the subunit interface.. Journal of Biological Chemistry, 1993, 268, 3107-3113.	3.4	33
4309	Mutagenesis of acidic residues in putative membrane-spanning segments of the melibiose permease of Escherichia coli. I. Effect on Na <sup>(+)</sup> -dependent transport and binding properties.. Journal of Biological Chemistry, 1993, 268, 3209-3215.	3.4	91
4310	Only one of the charged amino acids located in the transmembrane alpha-helices of the gamma-aminobutyric acid transporter (subtype A) is essential for its activity.. Journal of Biological Chemistry, 1993, 268, 3222-3225.	3.4	101
4311	Promoter elements and transcriptional control of the mouse acetylcholinesterase gene.. Journal of Biological Chemistry, 1993, 268, 3563-3572.	3.4	90



#	ARTICLE	IF	CITATIONS
4312	Role of Ser-238 and Lys-240 in the hydrolysis of third-generation cephalosporins by SHV-type beta-lactamases probed by site-directed mutagenesis and three-dimensional modeling.. Journal of Biological Chemistry, 1993, 268, 3690-3697.	3.4	90
4313	ras protein activity is essential for T-cell antigen receptor signal transduction.. Journal of Biological Chemistry, 1993, 268, 2693-2698.	3.4	64
4314	Recruitment of vaccinia virus RNA polymerase to an early gene promoter by the viral early transcription factor.. Journal of Biological Chemistry, 1993, 268, 2773-2780.	3.4	28
4315	Disulfide bond requirements for assembly of the platelet glycoprotein Ib-binding domain of von Willebrand factor.. Journal of Biological Chemistry, 1993, 268, 2821-2827.	3.4	28
4316	Alanine-scanning mutagenesis of the epidermal growth factor-like domains of human thrombomodulin identifies critical residues for its cofactor activity.. Journal of Biological Chemistry, 1993, 268, 2888-2892.	3.4	73
4317	Characterization of a DNA polymerase from the hyperthermophile archaea Thermococcus litoralis. Vent DNA polymerase, steady state kinetics, thermal stability, processivity, strand displacement, and exonuclease activities.. Journal of Biological Chemistry, 1993, 268, 1965-1975.	3.4	188
4318	Aspartyl residue 10 is essential for ATPase activity of rat hsc70.. Journal of Biological Chemistry, 1993, 268, 2063-2068.	3.4	37
4319	Site-directed mutagenesis of HIV-1 integrase demonstrates differential effects on integrase functions in vitro.. Journal of Biological Chemistry, 1993, 268, 2113-2119.	3.4	187
4320	Site-directed mutagenesis of the NH2 terminus of T4 endonuclease V. The position of the alpha NH2 moiety affects catalytic activity.. Journal of Biological Chemistry, 1993, 268, 880-886.	3.4	67
4321	Determinants of catalytic activity and stability of carbonic anhydrase II as revealed by random mutagenesis.. Journal of Biological Chemistry, 1993, 268, 948-954.	3.4	54
4322	Purification and characterization of the SRS2 DNA helicase of the yeast Saccharomyces cerevisiae.. Journal of Biological Chemistry, 1993, 268, 1252-1259.	3.4	142
4323	Expression and structural studies of fasciclin I, an insect cell adhesion molecule.. Journal of Biological Chemistry, 1993, 268, 1448-1455.	3.4	32
4324	Aspartic acid 320 is required for optimal activity of rat pancreatic cholesterol esterase.. Journal of Biological Chemistry, 1993, 268, 300-304.	3.4	35
4325	Alteration of Ca <sup>2+</sup> permeability and sensitivity to Mg <sup>2+</sup> and channel blockers by a single amino acid substitution in the N-methyl-D-aspartate receptor.. Journal of Biological Chemistry, 1993, 268, 410-415.	3.4	141
4326	Mutation of invariant cysteines of mammalian metallothionein alters metal binding capacity, cadmium resistance, and 113Cd NMR spectrum.. Journal of Biological Chemistry, 1991, 266, 24390-24397.	3.4	28
4327	Properties of the 3' to 5' exonuclease associated with porcine liver DNA polymerase gamma. Substrate specificity, product analysis, inhibition, and kinetics of terminal excision.. Journal of Biological Chemistry, 1991, 266, 24702-24711.	3.4	46
4328	Agonist-induced calcium signaling is impaired in fibroblasts overproducing inositol 1,3,4,5-tetrakisphosphate.. Journal of Biological Chemistry, 1991, 266, 24719-24726.	3.4	44
4329	Functional analysis of the putative catalytic bases His-321 and Ser-368 of Rhodospirillum rubrum ribulose biphosphate carboxylase/oxygenase by site-directed mutagenesis.. Journal of Biological Chemistry, 1991, 266, 24734-24740.	3.4	26

#	ARTICLE	IF	CITATIONS
4330	Structural and functional consequences of amino acid substitutions in the second conserved loop of Escherichia coli adenylate kinase.. Journal of Biological Chemistry, 1991, 266, 23654-23659.	3.4	28
4331	Cloning of a 16-kDa ubiquitin carrier protein from wheat and Arabidopsis thaliana. Identification of functional domains by in vitro mutagenesis.. Journal of Biological Chemistry, 1991, 266, 23878-23885.	3.4	81
4332	Mapping of the priming substrate contacts in the active center of Escherichia coli RNA polymerase.. Journal of Biological Chemistry, 1991, 266, 23927-23931.	3.4	72
4333	Multiple cis-acting elements are required for RNA polymerase III transcription of the gene encoding H1 RNA, the RNA component of human RNase P.. Journal of Biological Chemistry, 1991, 266, 22796-22799.	3.4	42
4334	Activation of the proteinase B precursor of the yeast Saccharomyces cerevisiae by autocatalysis and by an internal sequence.. Journal of Biological Chemistry, 1991, 266, 22851-22857.	3.4	54
4335	Gene structure of mammalian acetylcholinesterase. Alternative exons dictate tissue-specific expression.. Journal of Biological Chemistry, 1991, 266, 23083-23090.	3.4	170
4336	Alteration of channel activities and gating by mutations of slow ISK potassium channel.. Journal of Biological Chemistry, 1991, 266, 22192-22198.	3.4	102
4337	Nitrate-inducible formate dehydrogenase in Escherichia coli K-12. II. Evidence that a mRNA stem-loop structure is essential for decoding opal (UGA) as selenocysteine.. Journal of Biological Chemistry, 1991, 266, 22386-22391.	3.4	41
4338	The role of insulin receptor autophosphorylation in signal transduction.. Journal of Biological Chemistry, 1991, 266, 22653-22660.	3.4	65
4339	The role of cysteine 206 in allosteric inhibition of Escherichia coli citrate synthase. Studies by chemical modification, site-directed mutagenesis, and 19F NMR.. Journal of Biological Chemistry, 1991, 266, 20709-20713.	3.4	22
4340	Site-directed mutagenesis of Escherichia coli succinyl-CoA synthetase. Histidine 142 alpha is a facilitative catalytic residue.. Journal of Biological Chemistry, 1991, 266, 20781-20785.	3.4	6
4341	Different amino acid substitutions at the same position in the nucleotide-binding site of aspartate transcarbamoylase have diverse effects on the allosteric properties of the enzyme.. Journal of Biological Chemistry, 1991, 266, 20833-20839.	3.4	14
4342	Site-directed mutagenesis studies on the recombinant thioesterase domain of chicken fatty acid synthase expressed in Escherichia coli.. Journal of Biological Chemistry, 1991, 266, 20946-20952.	3.4	62
4343	Mutation of a single amino acid converts germ cell alkaline phosphatase to placental alkaline phosphatase.. Journal of Biological Chemistry, 1991, 266, 21174-21178.	3.4	23
4344	Receptor and antibody interactions of human interleukin-3 characterized by mutational analysis.. Journal of Biological Chemistry, 1991, 266, 21310-21317.	3.4	15
4345	Characterization of a mutation affecting the function of Escherichia coli folylpolyglutamate synthetase-dihydrofolate synthetase and further mutations produced in vitro at the same locus.. Journal of Biological Chemistry, 1991, 266, 19925-19929.	3.4	13
4346	Cytoplasmic and transmembrane domain deletions of Na,K-ATPase beta-subunit. Effects on subunit assembly and intracellular transport.. Journal of Biological Chemistry, 1991, 266, 20491-20497.	3.4	51
4347	The COOH terminus of several liver carboxylesterases targets these enzymes to the lumen of the endoplasmic reticulum.. Journal of Biological Chemistry, 1991, 266, 20498-20503.	3.4	81

#	ARTICLE	IF	CITATIONS
4348	Multiple interacting sites regulate astrocyte-specific transcription of the human gene for glial fibrillary acidic protein.. Journal of Biological Chemistry, 1991, 266, 18877-18883.	3.4	131
4349	Scanning mutagenesis of interleukin-8 identifies a cluster of residues required for receptor binding.. Journal of Biological Chemistry, 1991, 266, 18989-18994.	3.4	343
4350	Insertion of the mannitol permease into the membrane of Escherichia coli. Possible involvement of an N-terminal amphiphilic sequence.. Journal of Biological Chemistry, 1991, 266, 17863-17871.	3.4	25
4351	Surface expression of mutated subunits of the high affinity mast cell receptor for IgE.. Journal of Biological Chemistry, 1990, 265, 15685-15694.	3.4	47
4352	Parallel Effects of signal Peptide Hydrophobic Core Modifications on Co-translational Translocation and Post-Translational Cleavage by Purified Signal Peptidase. Journal of Biological Chemistry, 1989, 264, 15052-15058.	3.4	25
4353	Lipid Binding by Escherichia coli Pyruvate Oxidase Is Disrupted by Small Alterations of the Carboxyl-terminal Region. Journal of Biological Chemistry, 1989, 264, 12510-12519.	3.4	16
4354	Mutation of the High Cysteine Region of the Human Insulin Receptor $\beta$ -Subunit Increases Insulin Receptor Binding Affinity and Transmembrane Signaling. Journal of Biological Chemistry, 1989, 264, 15900-15904.	3.4	35
4355	The Chicken Progesterone Receptor A and B Isoforms Are Products of an Alternate Translation Initiation Event. Journal of Biological Chemistry, 1989, 264, 14062-14064.	3.4	173
4356	Converting catabolic ornithine carbamoyltransferase to an anabolic enzyme.. Journal of Biological Chemistry, 1990, 265, 14728-14731.	3.4	26
4357	Transcription pausing by Escherichia coli RNA polymerase is modulated by downstream DNA sequences.. Journal of Biological Chemistry, 1990, 265, 15145-15153.	3.4	69
4358	Identification of residues critical for the polymerase activity of the Klenow fragment of DNA polymerase I from Escherichia coli.. Journal of Biological Chemistry, 1990, 265, 14579-14591.	3.4	247
4359	Rat liver mitochondrial ATP synthase. Effects of mutations in the glycine-rich region of a beta subunit peptide on its interaction with adenine nucleotides.. Journal of Biological Chemistry, 1990, 265, 14632-14637.	3.4	15
4360	Acetyl-CoA carboxylase mRNA species with or without inhibitory coding sequence for Ser-1200 phosphorylation.. Journal of Biological Chemistry, 1990, 265, 13695-13701.	3.4	24
4361	Identification of active-site cysteines in the conserved domain of PilD, the bifunctional type IV pilin leader peptidase/N-methyltransferase of Pseudomonas aeruginosa. Journal of Biological Chemistry, 1993, 268, 15788-15794.	3.4	51
4362	Ligand-dependent activation of chimeric receptors with the cytoplasmic domain of the interleukin-3 receptor beta subunit (beta IL3). Journal of Biological Chemistry, 1993, 268, 15833-15839.	3.4	40
4363	Erythropoietin structure-function relationships. Mutant proteins that test a model of tertiary structure. Journal of Biological Chemistry, 1993, 268, 15983-15993.	3.4	110
4364	Carbohydrate-binding protein 35. I. Properties of the recombinant polypeptide and the individuality of the domains. Journal of Biological Chemistry, 1993, 268, 14932-14939.	3.4	92
4365	Phosphorylation of the human vitamin D receptor by protein kinase C. Biochemical and functional evaluation of the serine 51 recognition site. Journal of Biological Chemistry, 1993, 268, 15118-15126.	3.4	101

#	ARTICLE	IF	CITATIONS
4366	Location of heme axial ligands in the cytochrome d terminal oxidase complex of Escherichia coli determined by site-directed mutagenesis. Journal of Biological Chemistry, 1989, 264, 8026-8032.	3.4	63
4367	The Î± Subunit of Tryptophan Synthase. Journal of Biological Chemistry, 1989, 264, 6288-6296.	3.4	74
4368	The FokI Restriction-Modification System. Journal of Biological Chemistry, 1989, 264, 5757-5761.	3.4	45
4369	Sensitivity of Escherichia coli succinyl-CoA mutants at Trp beta 76 to clostripain and to trypsin. ADP and ATP protect against cleavage by clostripain at Arg beta 80. Journal of Biological Chemistry, 1993, 268, 13717-13722.	3.4	1
4370	Probing the role of arginines and histidines in the catalytic function and activation of yeast 3-phosphoglycerate kinase by site-directed mutagenesis.. Journal of Biological Chemistry, 1990, 265, 10659-10665.	3.4	19
4371	Expression of cDNA sequences encoding mature and precursor forms of human dihydrolipoamide dehydrogenase in Escherichia coli. Differences in kinetic mechanisms. Journal of Biological Chemistry, 1991, 266, 9367-9373.	3.4	16
4372	Gamma-subunits of G proteins, but not their alpha- or beta-subunits, are polyisoprenylated. Studies on post-translational modifications using in vitro translation with rabbit reticulocyte lysates. Journal of Biological Chemistry, 1991, 266, 9570-9579.	3.4	94
4373	Sites of deamidation and methylation in Tsr, a bacterial chemotaxis sensory transducer. Journal of Biological Chemistry, 1991, 266, 9746-9753.	3.4	70
4374	The role of cysteines in polyketide synthases. Site-directed mutagenesis of resveratrol and chalcone synthases, two key enzymes in different plant-specific pathways. Journal of Biological Chemistry, 1991, 266, 9971-9976.	3.4	158
4375	The human thymidine kinase gene promoter. Journal of Biological Chemistry, 1989, 264, 2343-2349.	3.4	63
4376	Site-directed Mutagenesis of Escherichia Coli Succinyl-CoA Synthetase. Journal of Biological Chemistry, 1989, 264, 1457-1460.	3.4	10
4377	Identification of a promoter element which participates in cAMP-stimulated expression of human insulin-like growth factor-binding protein-1. Journal of Biological Chemistry, 1993, 268, 9730-9736.	3.4	51
4378	Mapping of neutralizing epitopes and the receptor binding site of human interleukin 1 beta. Journal of Biological Chemistry, 1993, 268, 9771-9779.	3.4	25
4379	Kinetics of thrombin receptor cleavage on intact cells. Relation to signaling. Journal of Biological Chemistry, 1993, 268, 9780-9786.	3.4	196
4380	Activation of the Pseudomonas TOL plasmid upper pathway operon. Identification of binding sites for the positive regulator XylR and for integration host factor protein. Journal of Biological Chemistry, 1991, 266, 15832-15838.	3.4	78
4381	Co- and post-translational processing of the hevein preproprotein of latex of the rubber tree (Hevea) Tj ETQq1 1 0.784314 rgBT /Overl	3.4	92
4382	Expression and analysis of Gs alpha mutants with decreased ability to activate adenylylcyclase. Journal of Biological Chemistry, 1991, 266, 16226-16231.	3.4	75
4383	Molecular cloning and expression of human Ca(2+)-sensitive cytosolic phospholipase A2. Journal of Biological Chemistry, 1991, 266, 14850-14853.	3.4	418

#	ARTICLE	IF	CITATIONS
4384	The efficiency of the uncleaved secretion signal in the plasminogen activator inhibitor type 2 protein can be enhanced by point mutations that increase its hydrophobicity. <i>Journal of Biological Chemistry</i> , 1991, 266, 15240-15243.	3.4	71
4385	Secretion of N-glycosylated interleukin-1 beta in <i>Saccharomyces cerevisiae</i> using a leader peptide from <i>Candida albicans</i> . Effect of N-linked glycosylation on biological activity. <i>Journal of Biological Chemistry</i> , 1991, 266, 15348-15355.	3.4	48
4386	Site-directed mutagenesis of a soluble recombinant fragment of platelet glycoprotein Ib alpha demonstrating negatively charged residues involved in von Willebrand factor binding. <i>Journal of Biological Chemistry</i> , 1991, 266, 15474-15480.	3.4	98
4387	Characterization of a K26Q site-directed mutant of human parathyroid hormone expressed in yeast. <i>Journal of Biological Chemistry</i> , 1991, 266, 14198-14201.	3.4	12
4388	Analysis of retroviral protease cleavage sites reveals two types of cleavage sites and the structural requirements of the P1 amino acid. <i>Journal of Biological Chemistry</i> , 1991, 266, 14539-14547.	3.4	134
4389	Five type I modules of fibronectin form a functional unit that binds to fibroblasts and <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , 1991, 266, 12840-12843.	3.4	115
4390	A lux-specific myristoyl transferase in luminescent bacteria related to eukaryotic serine esterases. <i>Journal of Biological Chemistry</i> , 1991, 266, 12852-12857.	3.4	30
4391	Mutagenesis of <i>Cerebratulus lacteus</i> neurotoxin B-IV identifies NH2-terminal sequences important for biological activity. <i>Journal of Biological Chemistry</i> , 1991, 266, 12884-12888.	3.4	12
4392	Involvement of a calpain-like protease in the processing of the murine interleukin 1 alpha precursor. <i>Journal of Biological Chemistry</i> , 1991, 266, 12162-12167.	3.4	120
4393	Independent assembly and secretion of a dimeric adhesive domain of von Willebrand factor containing the glycoprotein Ib-binding site. <i>Journal of Biological Chemistry</i> , 1991, 266, 12342-12347.	3.4	32
4394	Biosynthesis of bacterial glycogen. Mutagenesis of a catalytic site residue of ADP-glucose pyrophosphorylase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1991, 266, 12455-12460.	3.4	52
4395	The role of CCAAT/enhancer-binding protein in the differential transcriptional regulation of a family of human liver alcohol dehydrogenase genes. <i>Journal of Biological Chemistry</i> , 1991, 266, 11594-11603.	3.4	32
4396	Stabilization of the imidazole ring of His-195 at the active site of chloramphenicol acetyltransferase. <i>Journal of Biological Chemistry</i> , 1991, 266, 11695-11698.	3.4	12
4397	Cloning and expression of functional rabbit muscle creatine kinase in <i>Escherichia coli</i> . Addressing the problem of microheterogeneity. <i>Journal of Biological Chemistry</i> , 1991, 266, 12053-12057.	3.4	22
4398	Mutational analysis and protein engineering of receptor-binding determinants in human placental lactogen. <i>Journal of Biological Chemistry</i> , 1991, 266, 10982-10988.	3.4	89
4399	Cloning of the psbK gene from <i>Synechocystis</i> sp. PCC 6803 and characterization of photosystem II in mutants lacking PSII-K. <i>Journal of Biological Chemistry</i> , 1991, 266, 11111-11115.	3.4	85
4400	Deletion of the linker connecting the catalytic and cellulose-binding domains of endoglucanase A (CenA) of <i>Cellulomonas fimi</i> alters its conformation and catalytic activity. <i>Journal of Biological Chemistry</i> , 1991, 266, 11335-11340.	3.4	104
4401	Both ATPase sites of <i>Escherichia coli</i> UvrA have functional roles in nucleotide excision repair. <i>Journal of Biological Chemistry</i> , 1991, 266, 11395-11403.	3.4	74

#	ARTICLE	IF	CITATIONS
4402	Identification of three amino acids in the platelet-derived growth factor (PDGF) B-chain that are important for binding to the PDGF beta-receptor. Journal of Biological Chemistry, 1991, 266, 10073-10077.	3.4	43
4403	Identification of a histidyl residue in the active center of endoglucanase D from Clostridium thermocellum. Journal of Biological Chemistry, 1991, 266, 10313-10318.	3.4	46
4404	Roles of cysteinyl residues of phosphoribulokinase as examined by site-directed mutagenesis. Journal of Biological Chemistry, 1991, 266, 10694-10699.	3.4	47
4405	Transcription of a nematode U1 small nuclear RNA in vitro. 3'-end formation requires cis-acting elements within the coding sequence.. Journal of Biological Chemistry, 1994, 269, 12387-12390.	3.4	6
4406	Cysteine 254 can cooperate with active site cysteine 247 in reactivation of 5,5'-dithiobis(2-nitrobenzoic) Tj ETQq0 0 0 rgBT /Overlock 10 Chemistry, 1994, 269, 12414-12418.	3.4	15
4407	An element of the elastase I enhancer is an overlapping bipartite binding site activated by a heteromeric factor.. Journal of Biological Chemistry, 1994, 269, 12809-12815.	3.4	13
4408	A Frameshift Mutation in a Patient with Tay-Sachs Disease Causes Premature Termination and Defective Intracellular Transport of the $\beta$ -Subunit of $\beta$ -Hexosaminidase. Journal of Biological Chemistry, 1989, 264, 21376-21380.	3.4	76
4409	Insulin down-regulates insulin receptor number and up-regulates insulin receptor affinity in cells expressing a tyrosine kinase-defective insulin receptor.. Journal of Biological Chemistry, 1990, 265, 4902-4907.	3.4	38
4410	The aspirin and heme-binding sites of ovine and murine prostaglandin endoperoxide synthases.. Journal of Biological Chemistry, 1990, 265, 5192-5198.	3.4	392
4411	Analysis of glycosaminoglycan substitution in decorin by site-directed mutagenesis.. Journal of Biological Chemistry, 1990, 265, 5317-5323.	3.4	90
4412	Probing the role of the carboxyl-terminal region of ferredoxin-NADP+ reductase by site-directed mutagenesis and deletion analysis.. Journal of Biological Chemistry, 1993, 268, 19267-19273.	3.4	36
4413	Role of the large extracellular domain of metabotropic glutamate receptors in agonist selectivity determination.. Journal of Biological Chemistry, 1993, 268, 19341-19345.	3.4	124
4414	The Saccharomyces cerevisiae LOS1 gene involved in pre-tRNA splicing encodes a nuclear protein that behaves as a component of the nuclear matrix.. Journal of Biological Chemistry, 1993, 268, 19436-19444.	3.4	37
4415	Identification of the cysteine residue in apolipoprotein(a) that mediates extracellular coupling with apolipoprotein B-100.. Journal of Biological Chemistry, 1993, 268, 19819-19825.	3.4	183
4416	Complementation of transport-deficient mutants of Escherichia coli alpha-hemolysin by second-site mutations in the transporter hemolysin B.. Journal of Biological Chemistry, 1993, 268, 19889-19895.	3.4	33
4417	Cross-linking of the gamma subunit of the Escherichia coli ATPase (ECF1) via cysteines introduced by site-directed mutagenesis.. Journal of Biological Chemistry, 1992, 267, 21355-21359.	3.4	46
4418	An essential and specific subunit of RNA polymerase III (C) is encoded by gene RPC34 in Saccharomyces cerevisiae.. Journal of Biological Chemistry, 1992, 267, 21390-21395.	3.4	33
4419	Site-directed mutagenesis reveals the involvement of an additional thioredoxin-dependent regulatory site in the activation of recombinant sorghum leaf NADP-malate dehydrogenase.. Journal of Biological Chemistry, 1992, 267, 21577-21583.	3.4	82



#	ARTICLE	IF	CITATIONS
4420	Metal binding properties of recombinant rat parvalbumin wild-type and F102W mutant.. Journal of Biological Chemistry, 1993, 268, 20897-20903.	3.4	49
4421	Transition state stabilization by chloramphenicol acetyltransferase. Role of a water molecule bound to threonine 174.. Journal of Biological Chemistry, 1993, 268, 20997-21001.	3.4	26
4422	Interaction of high mobility group-I (Y) nonhistone proteins with nucleosome core particles.. Journal of Biological Chemistry, 1993, 268, 21137-21146.	3.4	77
4423	Molecular cloning of a cDNA encoding chicken T-protein of the glycine cleavage system and expression of the functional protein in Escherichia coli. Effect of mRNA secondary structure in the translational initiation region on expression.. Journal of Biological Chemistry, 1992, 267, 18284-18290.	3.4	22
4424	Molecular cloning and expression of a phosphoinositide-specific phospholipase C of Dictyostelium discoideum.. Journal of Biological Chemistry, 1992, 267, 18387-18392.	3.4	75
4425	Ligand-independent oligomerization of natriuretic peptide receptors. Identification of heteromeric receptors and a dominant negative mutant.. Journal of Biological Chemistry, 1992, 267, 18589-18597.	3.4	121
4426	Structural studies on human glutathione S-transferase pi. Substitution mutations to determine amino acids necessary for binding glutathione.. Journal of Biological Chemistry, 1992, 267, 18940-18945.	3.4	52
4427	Active site of (A)BC excinuclease. I. Evidence for 5' incision by UvrC through a catalytic site involving Asp399, Asp438, Asp466, and His538 residues.. Journal of Biological Chemistry, 1992, 267, 17688-17692.	3.4	115
4428	Active site of (A)BC excinuclease. II. Binding, bending, and catalysis mutants of UvrB reveal a direct role in 3' and an indirect role in 5' incision.. Journal of Biological Chemistry, 1992, 267, 17693-17700.	3.4	93
4429	LAC9 DNA-binding domain coordinates two zinc atoms per monomer and contacts DNA as a dimer.. Journal of Biological Chemistry, 1990, 265, 13283-13289.	3.4	25
4430	Biosynthesis of Torpedo acetylcholinesterase in mammalian cells. Functional expression and mutagenesis of the glycopospholipid-anchored form.. Journal of Biological Chemistry, 1990, 265, 12576-12583.	3.4	41
4431	Assignment of intrachain disulfide bonds in platelet-derived growth factor B-chain. Journal of Biological Chemistry, 1993, 268, 13372-13377.	3.4	12
4432	Loop substitution as a tool to identify active sites of interleukin-1 beta. Journal of Biological Chemistry, 1993, 268, 13486-13492.	3.4	15
4433	A set of U1 snRNA-complementary sequences involved in governing alternative RNA splicing of the kininogen genes.. Journal of Biological Chemistry, 1990, 265, 10102-10108.	3.4	36
4434	DNA binding activity and transcriptional activator function of the human B-myb protein compared with c-MYB.. Journal of Biological Chemistry, 1990, 265, 9280-9284.	3.4	97
4435	Dissection of the functional domains of Escherichia coli carbamoyl phosphate synthetase by site-directed mutagenesis.. Journal of Biological Chemistry, 1990, 265, 7742-7747.	3.4	73
4436	Location of the protease-inhibitory region of secretory leukocyte protease inhibitor.. Journal of Biological Chemistry, 1990, 265, 7976-7981.	3.4	149
4437	Site-directed mutagenesis suggests close functional relationship between a human rhinovirus 3C cysteine protease and cellular trypsin-like serine proteases.. Journal of Biological Chemistry, 1990, 265, 7180-7187.	3.4	54

#	ARTICLE	IF	CITATIONS
4438	Site-directed mutagenesis of arginine 179 of thymidylate synthase. A nonessential substrate-binding residue.. Journal of Biological Chemistry, 1990, 265, 6770-6775.	3.4	21
4439	Examination of the intersubunit interaction between glutamate-48 and lysine-168 of ribulose-bisphosphate carboxylase/oxygenase by site-directed mutagenesis.. Journal of Biological Chemistry, 1990, 265, 6501-6505.	3.4	20
4440	In vitro studies of the initiation of staphylococcal plasmid replication. Specificity of RepD for its origin (oriD) and characterization of the Rep-ori tyrosyl ester intermediate.. Journal of Biological Chemistry, 1990, 265, 5519-5530.	3.4	89
4441	Translational repression by bacteriophage MS2 coat protein expressed from a plasmid. A system for genetic analysis of a protein-RNA interaction.. Journal of Biological Chemistry, 1990, 265, 5684-5689.	3.4	74
4442	Murine DNA polymerase.alpha-primase initiates RNA-primed DNA synthesis preferentially upstream of a 3'-CC(C/A)-5' motif.. Journal of Biological Chemistry, 1990, 265, 3611-3614.	3.4	25
4443	Analysis of clathrin light chain-heavy chain interactions using truncated mutants of rat liver light chain LCB3.. Journal of Biological Chemistry, 1990, 265, 3661-3668.	3.4	27
4444	Maturation of Escherichia coli maltose-binding protein by signal peptidase I in vivo. Sequence requirements for efficient processing and demonstration of an alternate cleavage site.. Journal of Biological Chemistry, 1990, 265, 3417-3423.	3.4	94
4445	Alteration of the major phosphorylation site of eukaryotic protein synthesis initiation factor 4E prevents its association with the 48 S initiation complex.. Journal of Biological Chemistry, 1990, 265, 2979-2983.	3.4	122
4446	An engineered change in substrate specificity of ribulosebisphosphate carboxylase/oxygenase.. Journal of Biological Chemistry, 1990, 265, 1243-1245.	3.4	30
4447	Shortened cytoplasmic domain affects intracellular transport but not nuclear localization of a viral glycoprotein.. Journal of Biological Chemistry, 1990, 265, 1777-1782.	3.4	25
4448	Lysine 539 of human band 3 is not essential for ion transport or inhibition by stilbene disulfonates. Journal of Biological Chemistry, 1989, 264, 19607-19613.	3.4	74
4449	Monoclonal Antibodies Mimic Insulin Activation of Ribosomal Protein S6 Kinase without Activation of Insulin Receptor Tyrosine Kinase. Journal of Biological Chemistry, 1989, 264, 18951-18959.	3.4	47
4450	Mutations in an RNP1 consensus sequence of Rho protein reduce RNA binding affinity but facilitate helicase turnover.. Journal of Biological Chemistry, 1991, 266, 17296-17305.	3.4	45
4451	Catalytic function of tyrosine residues in para-hydroxybenzoate hydroxylase as determined by the study of site-directed mutants.. Journal of Biological Chemistry, 1991, 266, 17341-17349.	3.4	129
4452	Interaction of non-myristoylated NADH-cytochrome b5 reductase with cytochrome b5-dimyristoylphosphatidylcholine vesicles.. Journal of Biological Chemistry, 1993, 268, 23168-23171.	3.4	14
4453	Hormone response complex in a novel abscisic acid and cycloheximide-inducible barley gene.. Journal of Biological Chemistry, 1993, 268, 23652-23660.	3.4	103
4454	Characterization of the human blood coagulation factor X promoter.. Journal of Biological Chemistry, 1992, 267, 15440-15446.	3.4	28
4455	Rat procathepsin B. Proteolytic processing to the mature form in vitro.. Journal of Biological Chemistry, 1992, 267, 15993-15999.	3.4	162

#	ARTICLE	IF	CITATIONS
4456	Cloning and expression of wild-type and mutant forms of the cardiotoxic polypeptide anophleuin B.. Journal of Biological Chemistry, 1992, 267, 13958-13963.	3.4	31
4457	Identification of the cAMP-dependent protein kinase and protein kinase C phosphorylation sites within the major intracellular domains of the beta 1, gamma 2S, and gamma 2L subunits of the gamma-aminobutyric acid type A receptor.. Journal of Biological Chemistry, 1992, 267, 14470-14476.	3.4	209
4458	Analysis of the importance of arginine 102 in neutral endopeptidase (enkephalinase) catalysis.. Journal of Biological Chemistry, 1992, 267, 12330-12335.	3.4	20
4459	Prostaglandin endoperoxide synthase. The aspirin acetylation region.. Journal of Biological Chemistry, 1992, 267, 12387-12392.	3.4	133
4460	The gene for stinging nettle lectin ( <i>Urtica dioica</i> agglutinin) encodes both a lectin and a chitinase.. Journal of Biological Chemistry, 1992, 267, 11085-11091.	3.4	83
4461	Region-directed mutagenesis of residues surrounding the active site nucleophile in beta-glucosidase from <i>Agrobacterium faecalis</i> .. Journal of Biological Chemistry, 1992, 267, 10248-10251.	3.4	46
4462	Adenosine 5'-tetrphosphate is synthesized by the histidine alpha 142â€”asparagine mutant of <i>Escherichia coli</i> succinyl-CoA synthetase.. Journal of Biological Chemistry, 1992, 267, 9516-9520.	3.4	7
4463	Identification of a novel annexin in <i>Hydra vulgaris</i> . Characterization, cDNA cloning, and protein kinase C phosphorylation of annexin XII.. Journal of Biological Chemistry, 1992, 267, 9529-9539.	3.4	46
4464	Lactose transport system of <i>Streptococcus thermophilus</i> . The role of histidine residues.. Journal of Biological Chemistry, 1992, 267, 9150-9157.	3.4	55
4465	Topology of the membrane-bound alkane hydroxylase of <i>Pseudomonas oleovorans</i> .. Journal of Biological Chemistry, 1992, 267, 9194-9201.	3.4	98
4466	Sequence requirements for maturation of the 5' terminus of human 18 S rRNA in vitro.. Journal of Biological Chemistry, 1992, 267, 9264-9268.	3.4	10
4467	An efficient phage plaque screen for the random mutational analysis of the interaction of HIV-1 gp120 with human CD4.. Journal of Biological Chemistry, 1992, 267, 9361-9367.	3.4	21
4468	ATPase-deficient mutants of the <i>Escherichia coli</i> DNA replication protein PriA are capable of catalyzing the assembly of active primosomes.. Journal of Biological Chemistry, 1992, 267, 6933-6940.	3.4	124
4469	Cysteine 647 in the insulin receptor is required for normal covalent interaction between alpha- and beta-subunits and signal transduction.. Journal of Biological Chemistry, 1992, 267, 7108-7115.	3.4	37
4470	Point mutational analysis of the hamster dihydrofolate reductase minimum promoter.. Journal of Biological Chemistry, 1992, 267, 3650-3656.	3.4	16
4471	Characterization of the hemolysin transporter, HlyB, using an epitope insertion.. Journal of Biological Chemistry, 1992, 267, 3764-3770.	3.4	34
4472	An analysis of the side chain requirement at position 177 within the lactose permease which confers the ability to recognize maltose.. Journal of Biological Chemistry, 1992, 267, 3841-3846.	3.4	10
4473	Covalent binding of C3b to C4b within the classical complement pathway C5 convertase. Determination of amino acid residues involved in ester linkage formation.. Journal of Biological Chemistry, 1992, 267, 4171-4176.	3.4	55

#	ARTICLE	IF	CITATIONS
4474	PPlase catalysis by human FK506-binding protein proceeds through a conformational twist mechanism.. Journal of Biological Chemistry, 1992, 267, 3316-3324.	3.4	96
4475	Diverse biologic properties imparted by the c-fgr proto-oncogene.. Journal of Biological Chemistry, 1992, 267, 3460-3465.	3.4	17
4476	Evi-1 raises AP-1 activity and stimulates c-fos promoter transactivation with dependence on the second zinc finger domain.. Journal of Biological Chemistry, 1994, 269, 24020-24026.	3.4	89
4477	Mutagenesis of amino acid residues required for binding of corepressors to the purine repressor.. Journal of Biological Chemistry, 1994, 269, 24066-24072.	3.4	12
4478	Intrinsic RNA (guanine-7) methyltransferase activity of the vaccinia virus capping enzyme D1 subunit is stimulated by the D12 subunit. Identification of amino acid residues in the D1 protein required for subunit association and methyl group transfer.. Journal of Biological Chemistry, 1994, 269, 24472-24479.	3.4	84
4479	Essential cysteine residues for cyclic ADP-ribose synthesis and hydrolysis by CD38.. Journal of Biological Chemistry, 1994, 269, 28555-28557.	3.4	107
4480	Role of the H helix in heparin binding to protein C inhibitor.. Journal of Biological Chemistry, 1994, 269, 28690-28695.	3.4	46
4481	A stable isotope-aided NMR study of the active site of an endoglucanase from a strain of Bacillus.. Journal of Biological Chemistry, 1994, 269, 28752-28756.	3.4	13
4482	Mutations eliminating the protein export function of a membrane-spanning sequence.. Journal of Biological Chemistry, 1994, 269, 28822-28828.	3.4	47
4483	Evaluation of cysteine 283 and glutamic acid 284 in the coenzyme binding site of Salmonella typhimurium glutamate dehydrogenase by site-directed mutagenesis and reaction with the nucleotide Biological Chemistry, 1991, 266, 5388-5394.	3.4	7
4484	Site-directed mutagenesis of the putative catalytic triad of poliovirus 3C proteinase.. Journal of Biological Chemistry, 1991, 266, 5412-5416.	3.4	84
4485	Substitution of basic amino acids within endonuclease V enhances nontarget DNA binding.. Journal of Biological Chemistry, 1991, 266, 5634-5642.	3.4	19
4486	Cloning, expression, purification, and characterization of biosynthetic threonine deaminase from Escherichia coli.. Journal of Biological Chemistry, 1991, 266, 5801-5807.	3.4	54
4487	Engineered interdomain disulfide in the periplasmic receptor for sulfate transport reduces flexibility. Site-directed mutagenesis and ligand-binding studies.. Journal of Biological Chemistry, 1991, 266, 5220-5225.	3.4	38
4488	Analysis of naturally occurring and site-directed mutations in the argininosuccinate lyase gene.. Journal of Biological Chemistry, 1991, 266, 5286-5290.	3.4	37
4489	Characterization of human glucocerebrosidase from different mutant alleles. Journal of Biological Chemistry, 1991, 266, 3661-3667.	3.4	78
4490	Cytochrome P-450 heme moiety. The specific target in drug-induced heme alkylation.. Journal of Biological Chemistry, 1981, 256, 5466-5470.	3.4	24
4491	Fluorescence and kinetic studies on the divalent metal ion induced conformational changes in DNase a.. Journal of Biological Chemistry, 1981, 256, 5656-5661.	3.4	3

#	ARTICLE	IF	CITATIONS
4492	Thyroid hormone stimulation of plasma protein synthesis in cultured hepatocytes.. Journal of Biological Chemistry, 1981, 256, 563-566.	3.4	28
4493	Selenium-dependent and selenium-independent formate dehydrogenases of <i>Methanococcus vannielii</i> . Separation of the two forms and characterization of the purified selenium-independent form.. Journal of Biological Chemistry, 1981, 256, 656-663.	3.4	140
4494	High affinity ligand binding is not essential for granulocyte-macrophage colony-stimulating factor receptor activation.. Journal of Biological Chemistry, 1992, 267, 25466-25472.	3.4	44
4495	Kinetics of interaction between normal and proline 12 Ras and the GTPase-activating proteins, p120-GAP and neurofibromin. The significance of the intrinsic GTPase rate in determining the transforming ability of ras.. Journal of Biological Chemistry, 1993, 268, 27012-27019.	3.4	96
4496	Evidence for lysine 80 as general base catalyst of leucine dehydrogenase.. Journal of Biological Chemistry, 1993, 268, 27039-27045.	3.4	67
4497	Genetic and biochemical studies of bacteriophage T4 DNA polymerase 3'->5'-exonuclease activity.. Journal of Biological Chemistry, 1993, 268, 27100-27108.	3.4	64
4498	Role of the mu immunoglobulin heavy chain transmembrane and cytoplasmic domains in B cell antigen receptor expression and signal transduction.. Journal of Biological Chemistry, 1993, 268, 27236-27245.	3.4	44
4499	Phosphorylation and modulation of brain glutamate transporters by protein kinase C.. Journal of Biological Chemistry, 1993, 268, 27313-27317.	3.4	266
4500	Human major histocompatibility complex class II-associated invariant chain gene promoter. Functional analysis and in vivo protein/DNA interactions of constitutive and IFN-gamma-induced expression.. Journal of Biological Chemistry, 1993, 268, 26328-26333.	3.4	38
4501	A molecular mechanism for autoinhibition of myosin light chain kinases.. Journal of Biological Chemistry, 1993, 268, 26578-26582.	3.4	59
4502	Function of the zinc finger in <i>Escherichia coli</i> Fpg protein.. Journal of Biological Chemistry, 1993, 268, 26738-26744.	3.4	90
4503	Four contiguous amino acids define the target for streptolydigin resistance in the beta subunit of <i>Escherichia coli</i> RNA polymerase.. Journal of Biological Chemistry, 1993, 268, 25369-25375.	3.4	51
4504	Probing the active site of human aldose reductase. Site-directed mutagenesis of Asp-43, Tyr-48, Lys-77, and His-110.. Journal of Biological Chemistry, 1993, 268, 25687-25693.	3.4	109
4505	Inhibition of HIV-1 gp160-dependent membrane fusion by a furin-directed alpha 1-antitrypsin variant.. Journal of Biological Chemistry, 1993, 268, 24887-24891.	3.4	193
4506	Palmitoylation is required for signaling functions and membrane attachment of Gq alpha and Gs alpha.. Journal of Biological Chemistry, 1993, 268, 25001-25008.	3.4	276
4507	Directed mutagenesis of the strongly conserved aspartate 242 in the beta-subunit of <i>Escherichia coli</i> proton-ATPase.. Journal of Biological Chemistry, 1988, 263, 19633-19639.	3.4	32
4508	Beta-elimination of phosphate from reaction intermediates by site-directed mutants of ribulose-bisphosphate carboxylase/oxygenase. Journal of Biological Chemistry, 1994, 269, 11114-11120.	3.4	31
4509	Recognition of the $\sim 10$ Promoter Sequence by a Partial Polypeptide of $\sim 70$ in Vitro. Journal of Biological Chemistry, 1997, 272, 3487-3494.	3.4	32

#	ARTICLE	IF	CITATIONS
4510	Influence of the 5'â€²-End Region of Aldehyde Dehydrogenase mRNA on Translational Efficiency. Journal of Biological Chemistry, 1989, 264, 17764-17769.	3.4	37
4511	Analysis of the upstream region of the Escherichia coli rnd gene encoding RNase D. Journal of Biological Chemistry, 1989, 264, 18228-18233.	3.4	22
4512	Cloning and expression of a synthetic gene for Cerebratulus lacteus neurotoxin B-IV. Journal of Biological Chemistry, 1989, 264, 15268-15273.	3.4	35
4513	Mutational Analysis of the Chicken Progesterone Receptor. Journal of Biological Chemistry, 1989, 264, 4207-4211.	3.4	73
4514	Uracil-DNA Glycosylase Inhibitor Gene of Bacteriophage PBS2 Encodes a Binding Protein Specific for Uracil-DNA Glycosylase. Journal of Biological Chemistry, 1989, 264, 1163-1171.	3.4	99
4515	Expression of mature bovine H-protein of the glycine cleavage system in Escherichia coli and in vitro lipoylation of the apoform.. Journal of Biological Chemistry, 1992, 267, 20011-20016.	3.4	50
4516	Site-directed mutagenesis of the active site cysteine in Klebsiella aerogenes urease.. Journal of Biological Chemistry, 1992, 267, 20024-20027.	3.4	52
4517	Secretion of the Streptomyces tyrosinase is mediated through its trans-activator protein, MelC1.. Journal of Biological Chemistry, 1992, 267, 20108-20113.	3.4	53
4518	Characterization of the role of lysine 110 of NADH-cytochrome b5 reductase in the binding and oxidation of NADH by site-directed mutagenesis.. Journal of Biological Chemistry, 1992, 267, 20164-20167.	3.4	6
4519	Transcriptional regulation by a point mutant of adenovirus-2 E1a product lacking DNA binding activity.. Journal of Biological Chemistry, 1992, 267, 20181-20187.	3.4	20
4520	Purification and characterization of lipoyl-AMP:N epsilon-lysine lipoyltransferase from bovine liver mitochondria. Journal of Biological Chemistry, 1994, 269, 16605-16609.	3.4	56
4521	Mutagenesis of recombinant protein C inhibitor reactive site residues alters target proteinase specificity. Journal of Biological Chemistry, 1994, 269, 16696-16700.	3.4	44
4522	Involvement of the COOH-terminal pro-sequence of Serratia marcescens serine protease in the folding of the mature enzyme. Journal of Biological Chemistry, 1994, 269, 32800-32806.	3.4	54
4523	Site-specific mutagenesis of an essential histidine residue in pancreatic cholesterol esterase. Journal of Biological Chemistry, 1991, 266, 4033-4036.	3.4	46
4524	Prenylation of Rab5 is dependent on guanine nucleotide binding.. Journal of Biological Chemistry, 1993, 268, 23773-23776.	3.4	35
4525	Differential recognition of OR1 and OR3 by bacteriophage 434 repressor and Cro.. Journal of Biological Chemistry, 1993, 268, 23812-23817.	3.4	21
4526	Assembly of the extracellular domain of the Na,K-ATPase beta subunit with the alpha subunit. Analysis of beta subunit chimeras and carboxyl-terminal deletions.. Journal of Biological Chemistry, 1993, 268, 24367-24373.	3.4	45
4527	Cassette mutagenesis of a potential substrate recognition region of cytochrome P450 2C2.. Journal of Biological Chemistry, 1993, 268, 21997-22003.	3.4	29



#	ARTICLE	IF	CITATIONS
4528	The DNA-dependent ATPase activity of vaccinia virus early gene transcription factor is essential for its transcription activation function.. Journal of Biological Chemistry, 1993, 268, 20016-20021.	3.4	21
4529	Equilibrium dissociation and unfolding of nucleoside diphosphate kinase from Dictyostelium discoideum. Role of proline 100 in the stability of the hexameric enzyme.. Journal of Biological Chemistry, 1993, 268, 20268-20275.	3.4	56
4530	Sterol-independent, sterol response element-dependent, regulation of low density lipoprotein receptor gene expression. Journal of Lipid Research, 1998, 39, 1647-1654.	4.2	22
4531	The carboxy-terminal region of human lipoprotein lipase is necessary for its exit from the endoplasmic reticulum. Journal of Lipid Research, 1998, 39, 821-833.	4.2	10
4532	Absence of N-glycosylation at asparagine 43 in human lipoprotein lipase induces its accumulation in the rough endoplasmic reticulum and alters this cellular compartment.. Journal of Lipid Research, 1995, 36, 939-951.	4.2	28
4533	Molecular biology of the hexokinase isoenzyme pattern that distinguishes pathogenic Entamoeba histolytica from nonpathogenic Entamoeba dispar. Molecular and Biochemical Parasitology, 1997, 86, 85-94.	1.1	34
4534	Influence of specific mutations on the thermal stability of the td group I intron in vitro and on its splicing efficiency in vivo: A comparative study. Rna, 1999, 5, 947-958.	3.5	25
4535	Conformationally Sensitive Proximity Between the TM3â€“4 Loop and Hairpin Loop 2 of the Glutamate Transporter EAAT2 Revealed by Paired-Cysteine Mutagenesis. ACS Chemical Neuroscience, 2021, 12, 163-175.	3.5	1
4536	Phosphorylation of murine double minute clone 2 (MDM2) protein at serine-267 by protein kinase CK2 in vitro and in cultured cells. Biochemical Journal, 2001, 355, 347.	3.7	27
4537	Influence of phenylalanine-481 substitutions on the catalytic activity of cytochrome P450 2D6. Biochemical Journal, 2001, 355, 373.	3.7	27
4538	The role of cysteine residues in glucose-transporter-GLUT1-mediated transport and transport inhibition.. Biochemical Journal, 1994, 299, 813-817.	3.7	22
4539	Conversion of Escherichia coli pyruvate oxidase to an â€“ketobutyrate oxidaseâ€™. Biochemical Journal, 2000, 352, 717-724.	3.7	9
4540	A Conserved Cysteine Residue in the runt Homology Domain of AML1 Is Required for the DNA Binding Ability and the Transforming Activity on Fibroblasts. Journal of Biological Chemistry, 1996, 271, 16870-16876.	3.4	40
4541	A tester system for detecting each of the six base-pair substitutions in Saccharomyces cerevisiae by selecting for an essential cysteine in iso-1-cytochrome c.. Genetics, 1991, 128, 59-67.	2.9	35
4542	Nonsense suppression of the major rhodopsin gene of Drosophila.. Genetics, 1992, 130, 585-595.	2.9	34
4543	Isolation and characterization of SUA5, a novel gene required for normal growth in Saccharomyces cerevisiae.. Genetics, 1992, 131, 791-801.	2.9	45
4544	Strand-specificity in the transformation of yeast with synthetic oligonucleotides.. Genetics, 1992, 131, 811-819.	2.9	75
4545	cis- and trans-acting suppressors of a translation initiation defect at the cyc1 locus of Saccharomyces cerevisiae.. Genetics, 1992, 132, 97-112.	2.9	38

#	ARTICLE	IF	CITATIONS
4546	Systematic mutational analysis of the yeast ACT1 gene.. Genetics, 1992, 132, 337-350.	2.9	330
4547	Mutational analysis of the Drosophila snake protease: an essential role for domains within the proenzyme polypeptide chain.. Genetics, 1994, 136, 1355-1365.	2.9	42
4548	Functional analyses of the Neurospora crassa MT a-1 mating type polypeptide.. Genetics, 1994, 137, 715-722.	2.9	74
4549	Complete DNA sequence of the mitochondrial genome of the black chiton, Katharina tunicata.. Genetics, 1994, 138, 423-443.	2.9	194
4550	Distribution of exchanges upon homologous recombination of exogenous DNA in Xenopus laevis oocytes.. Genetics, 1994, 138, 445-457.	2.9	17
4551	Genetic analysis of the fimbrin-actin binding interaction in Saccharomyces cerevisiae.. Genetics, 1995, 140, 91-101.	2.9	33
4552	Increased expression of Saccharomyces cerevisiae translation elongation factor 1 alpha bypasses the lethality of a TEF5 null allele encoding elongation factor 1 beta.. Genetics, 1995, 141, 481-489.	2.9	36
4553	The Large Subunit of Replication Factor C (Rfc1p/Cdc44p) Is Required for DNA Replication and DNA Repair in <i>Saccharomyces cerevisiae</i> . Genetics, 1996, 142, 65-78.	2.9	86
4554	Genetic Studies of the PRP17 Gene of Saccharomyces cerevisiae: A Domain Essential for Function Maps to a Nonconserved Region of the Protein. Genetics, 1996, 143, 45-55.	2.9	24
4555	Genetic Analysis of the Bacteriophage $\phi$ Nucleoprotein Complex. Genetics, 1996, 143, 1069-1079.	2.9	22
4556	A Test of the Double-Strand Break Repair Model for Meiotic Recombination in <i>Saccharomyces cerevisiae</i> . Genetics, 1996, 144, 27-41.	2.9	131
4557	Involvement of the Yeast DNA Polymerase $\delta$ in DNA Repair <i>in Vivo</i> . Genetics, 1997, 146, 1239-1251.	2.9	114
4558	Overlapping Functions for Two G Protein $\beta$ Subunits in Neurospora crassa. Genetics, 1997, 147, 137-145.	2.9	56
4559	Genetic Analysis of the <i>Chlamydomonas reinhardtii</i> I-Cre Mobile Intron Homing System in <i>Escherichia coli</i> . Genetics, 1997, 147, 1653-1664.	2.9	46
4560	Genetic Interaction With vps8-200 Allows Partial Suppression of the Vestigial Vacuole Phenotype Caused by a pep5 Mutation in Saccharomyces cerevisiae. Genetics, 1998, 148, 71-83.	2.9	12
4561	A High Copy Suppressor Screen Reveals Genetic Interactions Between BET3 and a New Gene: Evidence for a Novel Complex in ER-to-Golgi Transport. Genetics, 1998, 149, 833-841.	2.9	31
4562	Involvement of Protein N-Glycosyl Chain Glucosylation and Processing in the Biosynthesis of Cell Wall $\beta$ -1,6-Glucan of Saccharomyces cerevisiae. Genetics, 1998, 149, 843-856.	2.9	56
4563	Reassigning Cysteine in the Genetic Code of Escherichia coli. Genetics, 1998, 150, 543-551.	2.9	25

#	ARTICLE	IF	CITATIONS
4564	The Yeast Protein Complex Containing Cdc68 and Pob3 Mediates Core-Promoter Repression Through the Cdc68 N-Terminal Domain. <i>Genetics</i> , 1998, 150, 1393-1405.	2.9	54
4565	Mapping of a Yeast G Protein $\beta\gamma$ Signaling Interaction. <i>Genetics</i> , 1998, 150, 1407-1417.	2.9	33
4566	Mutational Activation of a G $\alpha$ i Causes Uncontrolled Proliferation of Aerial Hyphae and Increased Sensitivity to Heat and Oxidative Stress in <i>Neurospora crassa</i> . <i>Genetics</i> , 1999, 151, 107-117.	2.9	77
4567	<i>Saccharomyces cerevisiae</i> Mod5p-II Contains Sequences Antagonistic for Nuclear and Cytosolic Locations. <i>Genetics</i> , 1999, 151, 57-75.	2.9	51
4568	Transcriptional Regulation of Genes Encoding the Selenium-Free [NiFe]-Hydrogenases in the Archaeon <i>Methanococcus voltae</i> Involves Positive and Negative Control Elements. <i>Genetics</i> , 1999, 152, 1335-1341.	2.9	33
4569	<i>Arabidopsis</i> PAI Gene Arrangements, Cytosine Methylation and Expression. <i>Genetics</i> , 1999, 153, 401-413.	2.9	98
4570	Multiple Functions of <i>Saccharomyces cerevisiae</i> Splicing Protein Prp24 in U6 RNA Structural Rearrangements. <i>Genetics</i> , 1999, 153, 1205-1218.	2.9	31
4571	Suppressors of a Cold-Sensitive Mutation in Yeast U4 RNA Define Five Domains in the Splicing Factor Prp8 That Influence Spliceosome Activation. <i>Genetics</i> , 2000, 155, 1667-1682.	2.9	70
4572	Function of RRM Domains of <i>Drosophila melanogaster</i> ELAV: RNP1 Mutations and RRM Domain Replacements With ELAV Family Proteins and SXL. <i>Genetics</i> , 2000, 155, 1789-1798.	2.9	29
4573	Regulation by Homeoproteins: A Comparison of Deformed-Responsive Elements. <i>Genetics</i> , 2000, 156, 677-686.	2.9	28
4574	Dominant Alleles of the Basic Helix-Loop-Helix Transcription Factor ATR2 Activate Stress-Responsive Genes in <i>Arabidopsis</i> . <i>Genetics</i> , 2002, 161, 1235-1246.	2.9	72
4575	Scanning Mutagenesis Identifies Amino Acid Residues Essential for the <i>in Vivo</i> Activity of the <i>Escherichia coli</i> DnaJ (Hsp40) J-Domain. <i>Genetics</i> , 2002, 162, 1045-1053.	2.9	83
4576	The Est1 Subunit of <i>Saccharomyces cerevisiae</i> Telomerase Makes Multiple Contributions to Telomere Length Maintenance. <i>Genetics</i> , 2002, 162, 1101-1115.	2.9	92
4577	Recombinant Vaccinia Virus Expressing the Herpes Simplex Virus Type 1 Glycoprotein C Protects Mice against Herpes Simplex Virus Challenge. <i>Journal of General Virology</i> , 1989, 70, 2587-2594.	2.9	36
4578	Infectious cucumber mosaic virus RNA transcribed in vitro from clones obtained from cDNA amplified using the polymerase chain reaction. <i>Journal of General Virology</i> , 1990, 71, 2503-2508.	2.9	49
4579	Mutational Analysis of Plum Pox Potyvirus Polyprotein Processing By the Nla Protease in <i>Escherichia Coli</i> . <i>Journal of General Virology</i> , 1990, 71, 2773-2779.	2.9	31
4580	Glycoprotein H of Human Cytomegalovirus (HCMV) Forms a Stable Complex With The HCMV UL115 Gene Product. <i>Journal of General Virology</i> , 1992, 73, 2693-2698.	2.9	138
4581	Sequence and in vitro expression of the M2 gene of turkey rhinotracheitis pneumovirus. <i>Journal of General Virology</i> , 1992, 73, 1355-1363.	2.9	40

#	ARTICLE	IF	CITATIONS
4582	Degenerate and specific PCR assays for the detection of bovine leukaemia virus and primate T cell leukaemia/lymphoma virus pol DNA and RNA: phylogenetic comparisons of amplified sequences from cattle and primates from around the world.. Journal of General Virology, 1997, 78, 1389-1398.	2.9	32
4583	Use of modified plum pox virus coat protein genes developed to limit heteroencapsidation-associated risks in transgenic plants.. Journal of General Virology, 1998, 79, 1509-1517.	2.9	41
4584	Transformation of tobacco and potato with cDNA encoding the full-length genome of Potato leafroll virus: evidence for a novel virus distribution and host effects on virus multiplication. Journal of General Virology, 1999, 80, 2813-2822.	2.9	47
4585	Mutations in the conserved carboxy-terminal hydrophobic region of glycoprotein gB affect infectivity of herpes simplex virus. Journal of General Virology, 1999, 80, 3189-3198.	2.9	19
4586	Characterization of the interaction between the baculovirus ssDNA-binding protein (LEF-3) and putative helicase (P143).. Journal of General Virology, 1999, 80, 493-500.	2.9	33
4587	Brome mosaic virus defective RNAs generated during infection of barley plants. Journal of General Virology, 1999, 80, 2511-2518.	2.9	35
4588	Virus inactivation in a proportion of human T-cell leukaemia virus type I-infected T-cell clones arises through naturally occurring mutations. Microbiology (United Kingdom), 2000, 81, 97-104.	1.8	6
4589	Identification of a pathogenicity determinant of Plum pox virus in the sequence encoding the C-terminal region of protein P3+6K1. Journal of General Virology, 2000, 81, 557-566.	2.9	95
4590	Genetic analysis of the Epstein-Barr virus-coded leader protein EBNA-LP as a co-activator of EBNA2 function. Journal of General Virology, 2001, 82, 3067-3079.	2.9	32
4591	The rapamycin sensitivity of human T-cell leukaemia virus type I-induced T-cell proliferation is mediated independently of the polypyrimidine motifs in the 5' long terminal repeat. Journal of General Virology, 2001, 82, 435-439.	2.9	3
4592	Expression of VP5 of infectious pancreatic necrosis virus strain VR299 is initiated at the second in-frame start codon. Journal of General Virology, 2001, 82, 805-812.	2.9	26
4593	migA, a quorum-responsive gene of Pseudomonas aeruginosa, is highly expressed in the cystic fibrosis lung environment and modifies low-molecular-mass lipopolysaccharide. Microbiology (United Kingdom), 2001, 147, 1149-1159.	1.8	21
4594	T4 early promoter strength probed in vivo with unribosylated and ADP-ribosylated Escherichia coli RNA polymerase: a mutation analysis. Microbiology (United Kingdom), 2000, 146, 2643-2653.	1.8	21
4595	Evaluation of in vivo activation of protein kinase A under non-dissociable conditions through the overexpression of wild-type and mutant regulatory subunits in Saccharomyces cerevisiae. Microbiology (United Kingdom), 2001, 147, 1149-1159.	1.8	11
4596	A synthetic analysis of the Saccharomyces cerevisiae stress sensor Mid2p, and identification of a Mid2p-interacting protein, Zeo1p, that modulates the PKC1-MPK1 cell integrity pathway. Microbiology (United Kingdom), 2003, 149, 2487-2499.	1.8	46
4597	VP1 of infectious bursal disease virus is an RNA-dependent RNA polymerase. Journal of General Virology, 2004, 85, 2221-2229.	2.9	142
4598	Functional analysis of the Cucumber mosaic virus 2b protein: pathogenicity and nuclear localization. Journal of General Virology, 2004, 85, 3135-3147.	2.9	76
4600	A ribosomal function is necessary for efficient splicing of the T4 phage thymidylate synthase intron in vivo. Genes and Development, 1998, 12, 1327-1337.	5.9	75

#	ARTICLE	IF	CITATIONS
4601	Mutational analysis of RAG1 and RAG2 identifies three catalytic amino acids in RAG1 critical for both cleavage steps of V(D)J recombination. <i>Genes and Development</i> , 1999, 13, 3059-3069.	5.9	188
4602	A stem/loop in U6 RNA defines a conformational switch required for pre-mRNA splicing.. <i>Genes and Development</i> , 1994, 8, 221-233.	5.9	95
4603	Substitution of Arg230 and Arg233 in Escherichia coli Elongation Factor Tu Strongly Enhances Its Pulvomycin Resistance. <i>FEBS Journal</i> , 1995, 227, 816-822.	0.2	16
4604	Separable Binding Sites for the Natural Agonist Endothelin-1 and the Non-Peptide Antagonist Bosentan on Human Endothelin-A Receptors. <i>FEBS Journal</i> , 1995, 231, 266-270.	0.2	43
4605	Human Topoisomerase IIalpha is Phosphorylated in a Cell-Cycle Phase-Dependent Manner by a Proline-Directed Kinase. <i>FEBS Journal</i> , 1995, 231, 491-497.	0.2	59
4606	Changing the Reaction Specificity of a Pyridoxal-5'-phosphate-dependent Enzyme. <i>FEBS Journal</i> , 1995, 232, 686-690.	0.2	38
4607	Introduction of potential helix-capping residues into an engineered helical protein. <i>Biotechnology and Applied Biochemistry</i> , 1998, 28, 69-76.	3.1	2
4608	Modification of the <i>Bacillus sphaericus</i> 51- and 42-kilodalton mosquitocidal proteins: effects of internal deletions, duplications, and formation of hybrid proteins. <i>Applied and Environmental Microbiology</i> , 1991, 57, 267-271.	3.1	8
4609	Introduction and expression of the bacterial genes <i>cysE</i> and <i>cysK</i> in eukaryotic cells. <i>Applied and Environmental Microbiology</i> , 1993, 59, 892-898.	3.1	8
4610	Differential secretion of isoforms of <i>Serratia marcescens</i> extracellular nuclease. <i>Applied and Environmental Microbiology</i> , 1995, 61, 4083-4088.	3.1	8
4611	Isolation, DNA sequence analysis, and mutagenesis of a proline dehydrogenase gene ( <i>putA</i> ) from <i>Bradyrhizobium japonicum</i> . <i>Applied and Environmental Microbiology</i> , 1996, 62, 221-229.	3.1	24
4612	Oxidative modification of a cephalosporin C acylase from <i>Pseudomonas</i> strain N176 and site-directed mutagenesis of the gene. <i>Applied and Environmental Microbiology</i> , 1996, 62, 2919-2925.	3.1	19
4613	Partial Characterization of the <i>Streptomyces lividans</i> <i>xlnB</i> Promoter and Its Use for Expression of a Thermostable Xylanase from <i>Thermotoga maritima</i> . <i>Applied and Environmental Microbiology</i> , 1998, 64, 4217-4225.	3.1	5
4614	Gene Cloning, Nucleotide Sequencing, and Purification and Characterization of the Low-Specificity <i>Threonine Aldolase</i> from <i>Pseudomonas</i> sp. Strain NCIMB 10558. <i>Applied and Environmental Microbiology</i> , 1998, 64, 549-554.	3.1	31
4615	A Phosphonate-Induced Gene Which Promotes <i>Penicillium</i> -Mediated Bioconversion of <i>cis</i> -Propenylphosphonic Acid to Fosfomycin. <i>Applied and Environmental Microbiology</i> , 1999, 65, 1036-1044.	3.1	19
4616	An Alkane-Responsive Expression System for the Production of Fine Chemicals. <i>Applied and Environmental Microbiology</i> , 1999, 65, 2324-2332.	3.1	143
4617	Pneumolysin, the thiol-activated toxin of <i>Streptococcus pneumoniae</i> , does not require a thiol group for in vitro activity. <i>Infection and Immunity</i> , 1989, 57, 2547-2552.	2.2	122
4618	Analysis of the immunoglobulin A protease gene of <i>Streptococcus sanguis</i> . <i>Infection and Immunity</i> , 1991, 59, 7-17.	2.2	64

#	ARTICLE	IF	CITATIONS
4619	Mapping the minimal contiguous gene segment that encodes functionally active Shiga-like toxin II. <i>Infection and Immunity</i> , 1991, 59, 829-835.	2.2	6
4620	Cloning and sequencing of the genes coding for the 10- and 60-kDa heat shock proteins from <i>Pseudomonas aeruginosa</i> and mapping of a species-specific epitope. <i>Infection and Immunity</i> , 1991, 59, 3219-3226.	2.2	29
4621	Structure-function analysis of exotoxin A proteins with mutations at histidine 426. <i>Infection and Immunity</i> , 1992, 60, 1128-1139.	2.2	9
4622	Overexpression and purification of a fimbria-associated adhesin of <i>Streptococcus parasanguis</i> . <i>Infection and Immunity</i> , 1993, 61, 1016-1022.	2.2	63
4623	Staphylococcal enterotoxin type A internal deletion mutants: serological activity and induction of T-cell proliferation. <i>Infection and Immunity</i> , 1993, 61, 2059-2068.	2.2	28
4624	Lack of complete correlation between emetic and T-cell-stimulatory activities of staphylococcal enterotoxins. <i>Infection and Immunity</i> , 1993, 61, 3175-3183.	2.2	130
4625	The specific activities of Shiga-like toxin type II (SLT-II) and SLT-II-related toxins of enterohemorrhagic <i>Escherichia coli</i> differ when measured by Vero cell cytotoxicity but not by mouse lethality. <i>Infection and Immunity</i> , 1994, 62, 623-631.	2.2	90
4626	Cloning and sequence analysis of a chymotrypsinlike protease from <i>Treponema denticola</i> . <i>Infection and Immunity</i> , 1994, 62, 3424-3433.	2.2	43
4627	Staphylococcal enterotoxin A and toxic shock syndrome toxin compete with CD4 for human major histocompatibility complex class II binding. <i>Infection and Immunity</i> , 1995, 63, 423-429.	2.2	31
4628	Functional conservation among members of the <i>Salmonella typhimurium</i> InvA family of proteins. <i>Infection and Immunity</i> , 1995, 63, 729-732.	2.2	88
4629	Biochemical and mutational analysis of the histidine residues of staphylococcal enterotoxin A. <i>Infection and Immunity</i> , 1996, 64, 885-890.	2.2	34
4630	Mutational Analysis of Superantigen Activity Responsible for the Induction of Skin Erythema by Streptococcal Pyrogenic Exotoxin C. <i>Infection and Immunity</i> , 1998, 66, 5020-5026.	2.2	11
4631	LcrG is Required for Efficient Translocation of <i>Yersinia</i> Yop Effector Proteins into Eukaryotic Cells. <i>Infection and Immunity</i> , 1998, 66, 2976-2979.	2.2	55
4632	Catabolite repression of the <i>Bacillus subtilis</i> xyl operon involves a cis element functional in the context of an unrelated sequence, and glucose exerts additional xylR-dependent repression. <i>Journal of Bacteriology</i> , 1994, 176, 1738-1745.	2.2	128
4633	Regulation of the Carnitine Pathway in <i>Escherichia coli</i> : Investigation of the <i>cai-fix</i> Divergent Promoter Region. <i>Journal of Bacteriology</i> , 1998, 180, 2599-2608.	2.2	29
4634	Appropriate Expression of Filamentous Phage f1 DNA Replication Genes II and X Requires RNase E-Dependent Processing and Separate mRNAs. <i>Journal of Bacteriology</i> , 1998, 180, 3245-3249.	2.2	18
4635	Proposed Signal Transduction Role for Conserved CheY Residue Thr87, a Member of the Response Regulator Active-Site Quintet. <i>Journal of Bacteriology</i> , 1998, 180, 3563-3569.	2.2	67
4636	Mutational Analysis of Plasmid R64 Thin Pilus Prepilin: the Entire Prepilin Sequence Is Required for Processing by Type IV Prepilin Peptidase. <i>Journal of Bacteriology</i> , 1998, 180, 4613-4620.	2.2	36



#	ARTICLE	IF	CITATIONS
4637	Mutational Analysis of UMP Kinase from <i>Escherichia coli</i> . Journal of Bacteriology, 1998, 180, 473-477.	2.2	38
4638	Intragenic Suppressors of Induction-Deficient TetR Mutants: Localization and Potential Mechanism of Action. Journal of Bacteriology, 1998, 180, 737-741.	2.2	6
4639	Chimeric Chemoreceptors in <i>Escherichia coli</i> : Signaling Properties of Tar-Tap and Tap-Tar Hybrids. Journal of Bacteriology, 1998, 180, 914-920.	2.2	81
4640	Identification of Essential Glutamates in the Acetate Kinase from <i>Methanosarcina thermophila</i> . Journal of Bacteriology, 1998, 180, 1129-1134.	2.2	34
4641	The <i>Yersinia</i> Yop Virulon: LcrV Is Required for Extrusion of the Translocators YopB and YopD. Journal of Bacteriology, 1998, 180, 1207-1214.	2.2	144
4642	When an ATPase Is Not an ATPase: at Low Temperatures the C-Terminal Domain of the ABC Transporter CvaB Is a GTPase. Journal of Bacteriology, 1998, 180, 1347-1353.	2.2	20
4643	The CIRCE Element and Its Putative Repressor Control Cell Cycle Expression of the <i>Caulobacter crescentus</i> groESL Operon. Journal of Bacteriology, 1998, 180, 1632-1641.	2.2	34
4644	Chemotactic Adaptation Is Altered by Changes in the Carboxy-Terminal Sequence Conserved among the Major Methyl-Accepting Chemoreceptors. Journal of Bacteriology, 1998, 180, 1862-1868.	2.2	67
4645	Pkg2, a Novel Transmembrane Protein Ser/Thr Kinase of <i>Streptomyces graticolor</i> . Journal of Bacteriology, 1999, 181, 15-23.	2.2	47
4646	<i>Saccharomyces cerevisiae</i> Mid2p Is a Potential Cell Wall Stress Sensor and Upstream Activator of the PKC1-MPK1 Cell Integrity Pathway. Journal of Bacteriology, 1999, 181, 3330-3340.	2.2	243
4647	A Role for a Highly Conserved Protein of Unknown Function in Regulation of <i>Bacillus subtilis</i> purA by the Purine Repressor. Journal of Bacteriology, 1999, 181, 3810-3815.	2.2	56
4648	Membrane Association and Multimerization of Secretion Component PulC. Journal of Bacteriology, 1999, 181, 4004-4011.	2.2	43
4649	σ <sup>54</sup> Can Negatively Regulate sigE Expression by Two Different Mechanisms during Sporulation of <i>Bacillus subtilis</i> . Journal of Bacteriology, 1999, 181, 4081-4088.	2.2	33
4650	MgATP Binding and Hydrolysis Determinants of NtrC, a Bacterial Enhancer-Binding Protein. Journal of Bacteriology, 1999, 181, 4628-4638.	2.2	64
4651	Analysis of F Factor TraD Membrane Topology by Use of Gene Fusions and Trypsin-Sensitive Insertions. Journal of Bacteriology, 1999, 181, 6108-6113.	2.2	32
4652	Identification of SycN, YscX, and YscY, Three New Elements of the <i>Yersinia</i> Yop Virulon. Journal of Bacteriology, 1999, 181, 675-680.	2.2	64
4653	Genetic Dissection of the Outer Membrane Secretin PulD: Are There Distinct Domains for Multimerization and Secretion Specificity?. Journal of Bacteriology, 1999, 181, 7212-7220.	2.2	79
4654	<i>Neisseria gonorrhoeae</i> PilA Is an FtsY Homolog. Journal of Bacteriology, 1999, 181, 731-739.	2.2	14

#	ARTICLE	IF	CITATIONS
4655	Mutational Analysis of <i>Bacillus subtilis</i> Glutamine Phosphoribosylpyrophosphate Amidotransferase Propeptide Processing. Journal of Bacteriology, 1999, 181, 1403-1408.	2.2	7
4656	Construction and Analysis of Hybrid <i>Escherichia coli-Bacillus subtilis dnaK</i> Genes. Journal of Bacteriology, 1999, 181, 1971-1974.	2.2	29
4657	The C-Terminal Sequence of the $\phi$ Holin Constitutes a Cytoplasmic Regulatory Domain. Journal of Bacteriology, 1999, 181, 2922-2929.	2.2	37
4658	Recombinant 46-kilodalton surface antigen (P46) of Mycoplasma hyopneumoniae expressed in Escherichia coli can be used for early specific diagnosis of mycoplasmal pneumonia of swine by enzyme-linked immunosorbent assay. Journal of Clinical Microbiology, 1995, 33, 680-683.	3.9	27
4659	Characterization of human immunodeficiency virus type 1 reverse transcriptase by using monoclonal antibodies: role of the C terminus in antibody reactivity and enzyme function. Journal of Virology, 1988, 62, 3662-3667.	3.4	89
4660	The contribution of cysteine residues to antigenicity and extent of processing of herpes simplex virus type 1 glycoprotein D. Journal of Virology, 1988, 62, 1941-1947.	3.4	69
4661	Mutational analysis of human immunodeficiency virus type 1 protease suggests functional homology with aspartic proteinases. Journal of Virology, 1989, 63, 111-121.	3.4	148
4662	Asp-286—Asn-286 in polyomavirus large T antigen relaxes the specificity of binding to the polyomavirus origin. Journal of Virology, 1989, 63, 242-249.	3.4	20
4663	Creation and expression of myristylated forms of Rous sarcoma virus gag protein in mammalian cells. Journal of Virology, 1989, 63, 4331-4343.	3.4	209
4664	Mutational analysis of the cleavage sequence of the human immunodeficiency virus type 1 envelope glycoprotein precursor gp160. Journal of Virology, 1989, 63, 4670-4675.	3.4	184
4665	A GC-box motif upstream of the B19 parvovirus unique promoter is important for in vitro transcription. Journal of Virology, 1989, 63, 4814-4823.	3.4	31
4666	Influence of asparagine-linked oligosaccharides on antigenicity, processing, and cell surface expression of herpes simplex virus type 1 glycoprotein D. Journal of Virology, 1989, 63, 5184-5193.	3.4	72
4667	Constitutive expression of simian virus 40 large T antigen in monkey cells activates their capacity to support polyomavirus replication. Journal of Virology, 1989, 63, 5478-5482.	3.4	10
4668	Response of the human T-cell leukemia virus type 1 long terminal repeat to cyclic AMP. Journal of Virology, 1989, 63, 1604-1611.	3.4	90
4669	Fine mapping of antigenic site II of herpes simplex virus glycoprotein D. Journal of Virology, 1989, 63, 2325-2334.	3.4	188
4670	Identification of a sequence required for efficient packaging of human immunodeficiency virus type 1 RNA into virions. Journal of Virology, 1989, 63, 4085-4087.	3.4	423
4671	Synthesis of the membrane fusion and hemagglutinin proteins of measles virus, using a novel baculovirus vector containing the beta-galactosidase gene. Journal of Virology, 1990, 64, 37-50.	3.4	258
4672	Expression of the herpes simplex virus type 1 glycoprotein C gene requires sequences in the 5' noncoding region of the gene. Journal of Virology, 1990, 64, 445-449.	3.4	35

#	ARTICLE	IF	CITATIONS
4673	Use of bromovirus RNA2 hybrids to map cis- and trans-acting functions in a conserved RNA replication gene. <i>Journal of Virology</i> , 1990, 64, 69-77.	3.4	51
4674	Vaccinia virus gene encoding a 30-kilodalton subunit of the viral DNA-dependent RNA polymerase. <i>Journal of Virology</i> , 1990, 64, 5376-5382.	3.4	37
4675	Rous sarcoma virus expression in <i>Saccharomyces cerevisiae</i> : processing and membrane targeting of the gag gene product. <i>Journal of Virology</i> , 1990, 64, 5628-5632.	3.4	8
4676	Identification of individual human immunodeficiency virus type 1 gp120 amino acids important for CD4 receptor binding. <i>Journal of Virology</i> , 1990, 64, 5701-5707.	3.4	485
4677	Changes in the transmembrane region of the human immunodeficiency virus type 1 gp41 envelope glycoprotein affect membrane fusion. <i>Journal of Virology</i> , 1990, 64, 6314-6318.	3.4	152
4678	Conserved region 3 of the adenovirus type 5 DNA-binding protein is important for interaction with single-stranded DNA. <i>Journal of Virology</i> , 1990, 64, 630-638.	3.4	26
4679	Mutations of RNA and protein sequences involved in human immunodeficiency virus type 1 packaging result in production of noninfectious virus. <i>Journal of Virology</i> , 1990, 64, 1920-1926.	3.4	613
4680	Deletions in herpes simplex virus glycoprotein D define nonessential and essential domains. <i>Journal of Virology</i> , 1990, 64, 2096-2102.	3.4	59
4681	Rapid complementation assays measuring replicative potential of human immunodeficiency virus type 1 envelope glycoprotein mutants. <i>Journal of Virology</i> , 1990, 64, 2416-2420.	3.4	333
4682	A deletion in the Friend spleen focus-forming virus env gene is necessary for its product (gp55) to be leukemogenic. <i>Journal of Virology</i> , 1990, 64, 2678-2686.	3.4	30
4683	Sequence-specific binding of DNA by the Moloney murine leukemia virus integrase protein. <i>Journal of Virology</i> , 1990, 64, 2796-2801.	3.4	28
4684	Identification of a site on herpes simplex virus type 1 glycoprotein D that is essential for infectivity. <i>Journal of Virology</i> , 1990, 64, 3617-3626.	3.4	58
4685	Mutational analysis of the pseudoknot region in the 3' noncoding region of tobacco mosaic virus RNA. <i>Journal of Virology</i> , 1990, 64, 3686-3693.	3.4	102
4686	The Epstein-Barr virus (EBV) BMRF1 promoter for early antigen (EA-D) is regulated by the EBV transactivators, BRLF1 and BZLF1, in a cell-specific manner. <i>Journal of Virology</i> , 1990, 64, 3753-3759.	3.4	179
4687	Function of Semliki Forest virus E3 peptide in virus assembly: replacement of E3 with an artificial signal peptide abolishes spike heterodimerization and surface expression of E1. <i>Journal of Virology</i> , 1990, 64, 4346-4355.	3.4	89
4688	Attenuating mutations in glycoproteins E1 and E2 of Sindbis virus produce a highly attenuated strain when combined in vitro. <i>Journal of Virology</i> , 1990, 64, 4438-4444.	3.4	56
4689	Functional elements of the steroid hormone-responsive promoter of mouse mammary tumor virus. <i>Journal of Virology</i> , 1990, 64, 4477-4488.	3.4	70
4690	Internally located cleavable signal sequences direct the formation of Semliki Forest virus membrane proteins from a polyprotein precursor. <i>Journal of Virology</i> , 1991, 65, 147-154.	3.4	193

#	ARTICLE	IF	CITATIONS
4691	Identification of the principal neutralizing determinant of human immunodeficiency virus type 1 as a fusion domain. <i>Journal of Virology</i> , 1991, 65, 190-194.	3.4	270
4692	Amino acids encoded downstream of gag are not required by Rous sarcoma virus protease during gag-mediated assembly. <i>Journal of Virology</i> , 1991, 65, 272-280.	3.4	70
4693	The target DNA sequence for resolution of poxvirus replicative intermediates is an active late promoter. <i>Journal of Virology</i> , 1991, 65, 61-70.	3.4	45
4694	Zidovudine-resistant human immunodeficiency virus selected by passage in cell culture. <i>Journal of Virology</i> , 1991, 65, 5232-5236.	3.4	170
4695	Infection initiated by the RNA pregenome of a DNA virus. <i>Journal of Virology</i> , 1991, 65, 5435-5439.	3.4	44
4696	Inhibition of human immunodeficiency virus type 1 multiplication by antisense and sense RNA expression. <i>Journal of Virology</i> , 1991, 65, 5524-5530.	3.4	93
4697	Role of conserved gp41 cysteine residues in the processing of human immunodeficiency virus envelope precursor and viral infectivity. <i>Journal of Virology</i> , 1991, 65, 6349-6352.	3.4	63
4698	Mutational analysis of a virulence locus in the E2 glycoprotein gene of Sindbis virus. <i>Journal of Virology</i> , 1991, 65, 6358-6361.	3.4	24
4699	Mutational analysis of two herpes simplex virus type 1 late promoters. <i>Journal of Virology</i> , 1991, 65, 6454-6460.	3.4	37
4700	Mutagenesis of protease cleavage sites in the human immunodeficiency virus type 1 gag polyprotein. <i>Journal of Virology</i> , 1991, 65, 922-930.	3.4	119
4701	Upstream promoter elements of the herpes simplex virus type 1 glycoprotein H gene. <i>Journal of Virology</i> , 1991, 65, 972-975.	3.4	23
4702	Mutations affecting hepadnavirus plus-strand DNA synthesis dissociate primer cleavage from translocation and reveal the origin of linear viral DNA. <i>Journal of Virology</i> , 1991, 65, 1255-1262.	3.4	173
4703	Morphogenetic and regulatory effects of mutations in the envelope proteins of an avian hepadnavirus. <i>Journal of Virology</i> , 1991, 65, 1310-1317.	3.4	213
4704	Deletion analysis of the 5' untranslated leader sequence of tobacco mosaic virus RNA. <i>Journal of Virology</i> , 1991, 65, 1619-1622.	3.4	45
4705	Derivatives of Moloney murine sarcoma virus capable of being transcribed in embryonal carcinoma stem cells have gained a functional Sp1 binding site. <i>Journal of Virology</i> , 1991, 65, 1803-1811.	3.4	45
4706	Direct evidence of a role for amino acid 101 of VP-1 in central nervous system disease in Theiler's murine encephalomyelitis virus infection. <i>Journal of Virology</i> , 1991, 65, 1929-1937.	3.4	65
4707	Nuclear factor 1 activates the feline leukemia virus long terminal repeat but is posttranscriptionally down-regulated in leukemia cell lines. <i>Journal of Virology</i> , 1991, 65, 1991-1999.	3.4	34
4708	Genetic analysis of the Rous sarcoma virus subgroup D env gene: mammal tropism correlates with temperature sensitivity of gp85. <i>Journal of Virology</i> , 1991, 65, 2073-2080.	3.4	19

#	ARTICLE	IF	CITATIONS
4709	Human immunodeficiency virus type 1 gp120 envelope glycoprotein regions important for association with the gp41 transmembrane glycoprotein. <i>Journal of Virology</i> , 1991, 65, 2119-2123.	3.4	316
4710	A domain of the hepadnavirus capsid protein is specifically required for DNA maturation and virus assembly. <i>Journal of Virology</i> , 1991, 65, 2511-2517.	3.4	109
4711	Deletion analysis of brome mosaic virus 2a protein: effects on RNA replication and systemic spread. <i>Journal of Virology</i> , 1991, 65, 2807-2815.	3.4	134
4712	Turnip yellow mosaic virus RNAs with anticodon loop substitutions that result in decreased valylation fail to replicate efficiently. <i>Journal of Virology</i> , 1991, 65, 3060-3067.	3.4	67
4713	Identification of lentivirus tat functional domains through generation of equine infectious anemia virus/human immunodeficiency virus type 1 tat gene chimeras. <i>Journal of Virology</i> , 1991, 65, 3460-3467.	3.4	104
4714	Mutational analysis of the equine infectious anemia virus Tat-responsive element. <i>Journal of Virology</i> , 1991, 65, 3468-3474.	3.4	65
4715	Suppression of retroviral MA deletions by the amino-terminal membrane-binding domain of p60src. <i>Journal of Virology</i> , 1991, 65, 3804-3812.	3.4	170
4716	Mutational analysis of hepatitis B surface antigen particle assembly and secretion. <i>Journal of Virology</i> , 1991, 65, 3813-3820.	3.4	103
4717	Identification of upstream promoter elements mediating early transcription from the 35,000-molecular-weight protein gene of Autographa californica nuclear polyhedrosis virus. <i>Journal of Virology</i> , 1991, 65, 4006-4016.	3.4	83
4718	In vitro mutagenesis of a full-length cDNA clone of Semliki Forest virus: the small 6,000-molecular-weight membrane protein modulates virus release. <i>Journal of Virology</i> , 1991, 65, 4107-4113.	3.4	467
4719	Absence of asparagine-linked oligosaccharides from glycoprotein D of herpes simplex virus type 1 results in a structurally altered but biologically active protein. <i>Journal of Virology</i> , 1991, 65, 4424-4431.	3.4	49
4720	Purification and characterization of human papillomavirus type 16 E7 protein with preferential binding capacity to the underphosphorylated form of retinoblastoma gene product. <i>Journal of Virology</i> , 1991, 65, 4966-4972.	3.4	88
4721	Induction of E1A-responsive negative factors for transcription of the fibronectin gene in adenovirus E1-transformed rat cells. <i>Journal of Virology</i> , 1992, 66, 6436-6450.	3.4	18
4722	Disulfide bond structure of glycoprotein D of herpes simplex virus types 1 and 2. <i>Journal of Virology</i> , 1992, 66, 6668-6685.	3.4	70
4723	The conserved helicase motifs of the herpes simplex virus type 1 origin-binding protein UL9 are important for function. <i>Journal of Virology</i> , 1992, 66, 6735-6746.	3.4	84
4724	In vitro enzymatic activity of human immunodeficiency virus type 1 reverse transcriptase mutants in the highly conserved YMDD amino acid motif correlates with the infectious potential of the proviral genome. <i>Journal of Virology</i> , 1992, 66, 6806-6812.	3.4	105
4725	The 5' end of the equine arteritis virus replicase gene encodes a papainlike cysteine protease. <i>Journal of Virology</i> , 1992, 66, 7040-7048.	3.4	100
4726	Alphavirus assembly and entry: role of the cytoplasmic tail of the E1 spike subunit. <i>Journal of Virology</i> , 1992, 66, 7560-7564.	3.4	40

#	ARTICLE	IF	CITATIONS
4727	Human T-cell leukemia virus type I envelope protein maturation process: requirements for syncytium formation. <i>Journal of Virology</i> , 1992, 66, 906-913.	3.4	88
4728	Mutational analysis of conserved N-linked glycosylation sites of human immunodeficiency virus type 1 gp41. <i>Journal of Virology</i> , 1992, 66, 1799-1803.	3.4	52
4729	Mutations in the principal neutralization determinant of human immunodeficiency virus type 1 affect syncytium formation, virus infectivity, growth kinetics, and neutralization. <i>Journal of Virology</i> , 1992, 66, 1875-1883.	3.4	118
4730	Inhibition of human immunodeficiency virus type 1 Tat activity by coexpression of heterologous trans activators. <i>Journal of Virology</i> , 1992, 66, 2000-2007.	3.4	85
4731	Target cell-specific determinants of membrane fusion within the human immunodeficiency virus type 1 gp120 third variable region and gp41 amino terminus. <i>Journal of Virology</i> , 1992, 66, 2389-2397.	3.4	125
4732	Effects of deletions in the cytoplasmic domain on biological functions of human immunodeficiency virus type 1 envelope glycoproteins. <i>Journal of Virology</i> , 1992, 66, 3306-3315.	3.4	215
4733	Two amino acid substitutions within the capsid are coordinately required for acquisition of fibrotropism by the lymphotropic strain of minute virus of mice. <i>Journal of Virology</i> , 1992, 66, 3415-3423.	3.4	100
4734	Protection of mice and swine from pseudorabies virus conferred by vaccinia virus-based recombinants. <i>Journal of Virology</i> , 1992, 66, 3424-3434.	3.4	58
4735	Transient expression and mutational analysis of the rotavirus intracellular receptor: the C-terminal methionine residue is essential for ligand binding. <i>Journal of Virology</i> , 1992, 66, 3566-3572.	3.4	31
4736	Structural basis of C3b binding by glycoprotein C of herpes simplex virus. <i>Journal of Virology</i> , 1992, 66, 4013-4027.	3.4	74
4737	Vesicular stomatitis virus matrix protein inhibits host cell-directed transcription of target genes in vivo. <i>Journal of Virology</i> , 1992, 66, 4058-4064.	3.4	141
4738	Mutational analysis of the N-linked glycosylation sites of the SU envelope protein of Moloney murine leukemia virus. <i>Journal of Virology</i> , 1992, 66, 4258-4264.	3.4	69
4739	Attenuation of influenza A virus by insertion of a foreign epitope into the neuraminidase. <i>Journal of Virology</i> , 1992, 66, 4647-4653.	3.4	76
4740	Genetic analysis of type-specific antigenic determinants of herpes simplex virus glycoprotein C. <i>Journal of Virology</i> , 1992, 66, 4864-4873.	3.4	24
4741	Control of human papillomavirus type 11 origin of replication by the E2 family of transcription regulatory proteins. <i>Journal of Virology</i> , 1992, 66, 5224-5231.	3.4	112
4742	Identification and characterization of fusion and processing domains of the human immunodeficiency virus type 2 envelope glycoprotein. <i>Journal of Virology</i> , 1992, 66, 5472-5478.	3.4	58
4743	Enzymatic activity of poliovirus RNA polymerases with mutations at the tyrosine residue of the conserved YGDD motif: isolation and characterization of polioviruses containing RNA polymerases with FGDD and MGDD sequences. <i>Journal of Virology</i> , 1993, 67, 373-381.	3.4	27
4744	Cell fusion induced by the murine leukemia virus envelope glycoprotein. <i>Journal of Virology</i> , 1993, 67, 67-74.	3.4	103



#	ARTICLE	IF	CITATIONS
4745	The hr5 transcriptional enhancer stimulates early expression from the Autographa californica nuclear polyhedrosis virus genome but is not required for virus replication. <i>Journal of Virology</i> , 1993, 67, 5776-5785.	3.4	125
4746	Spontaneous mutagenesis of a plant potyvirus genome after insertion of a foreign gene. <i>Journal of Virology</i> , 1993, 67, 5968-5975.	3.4	130
4747	Mapping of functionally important residues of a cysteine-histidine box in the human immunodeficiency virus type 1 nucleocapsid protein. <i>Journal of Virology</i> , 1993, 67, 6159-6169.	3.4	315
4748	Definition of a domain of GLVR1 which is necessary for infection by gibbon ape leukemia virus and which is highly polymorphic between species. <i>Journal of Virology</i> , 1993, 67, 6733-6736.	3.4	83
4749	Mutations in the cytoplasmic tail of influenza A virus neuraminidase affect incorporation into virions. <i>Journal of Virology</i> , 1993, 67, 6762-6767.	3.4	47
4750	Generation of a water-soluble oligomeric ectodomain of the Rous sarcoma virus envelope glycoprotein. <i>Journal of Virology</i> , 1993, 67, 6889-6892.	3.4	35
4751	Internal cleavage and trans-proteolytic activities of the VPg-proteinase (Nla) of tobacco etch potyvirus in vivo. <i>Journal of Virology</i> , 1993, 67, 6995-7000.	3.4	122
4752	Poliovirus capsid proteins derived from P1 precursors with glutamine-valine cleavage sites have defects in assembly and RNA encapsidation. <i>Journal of Virology</i> , 1993, 67, 7284-7297.	3.4	15
4753	Individual repeats of Drosophila Myb can function in transformation by v-Myb. <i>Journal of Virology</i> , 1993, 67, 7332-7339.	3.4	4
4754	Role of N-linked glycans in antigenicity, processing, and cell surface expression of bovine herpesvirus 1 glycoprotein gIV. <i>Journal of Virology</i> , 1993, 67, 726-733.	3.4	24
4755	Biologic importance of neuraminidase stalk length in influenza A virus. <i>Journal of Virology</i> , 1993, 67, 759-764.	3.4	206
4756	Structure of human rhinovirus complexed with Fab fragments from a neutralizing antibody. <i>Journal of Virology</i> , 1993, 67, 1148-1158.	3.4	140
4757	Genetic heterogeneity in human T-cell leukemia/lymphoma virus type II. <i>Journal of Virology</i> , 1993, 67, 1175-1184.	3.4	87
4758	Transdominant inhibition of wild-type human immunodeficiency virus type 2 replication by an envelope deletion mutant. <i>Journal of Virology</i> , 1993, 67, 1854-1859.	3.4	20
4759	Role of maturation cleavage in infectivity of picornaviruses: activation of an infectosome. <i>Journal of Virology</i> , 1993, 67, 2110-2122.	3.4	151
4760	Structure-function analysis of the maf oncogene product, a member of the b-Zip protein family. <i>Journal of Virology</i> , 1993, 67, 2133-2141.	3.4	154
4761	A poxvirus-encoded uracil DNA glycosylase is essential for virus viability. <i>Journal of Virology</i> , 1993, 67, 2503-2512.	3.4	96
4762	Effects of amino acid changes in the extracellular domain of the human immunodeficiency virus type 1 gp41 envelope glycoprotein. <i>Journal of Virology</i> , 1993, 67, 2747-2755.	3.4	258

#	ARTICLE	IF	CITATIONS
4763	Mutation of the C/EBP binding sites in the Rous sarcoma virus long terminal repeat and gag enhancers. Journal of Virology, 1993, 67, 2862-2870.	3.4	45
4764	Rotavirus protein NSP3 (NS34) is bound to the 3' end consensus sequence of viral mRNAs in infected cells. Journal of Virology, 1993, 67, 3159-3165.	3.4	98
4765	An RNA stem-loop structure directs hepatitis B virus genomic RNA encapsidation. Journal of Virology, 1993, 67, 3254-3263.	3.4	257
4766	cis-acting elements in the lytic origin of DNA replication of Epstein-Barr virus. Journal of Virology, 1993, 67, 4237-4245.	3.4	95
4767	Two distinct proteinase activities required for the processing of a putative nonstructural precursor protein of hepatitis C virus. Journal of Virology, 1993, 67, 4665-4675.	3.4	484
4768	The role of vesicular stomatitis virus matrix protein in inhibition of host-directed gene expression is genetically separable from its function in virus assembly. Journal of Virology, 1993, 67, 4814-4821.	3.4	99
4769	Effects of deletions in the carboxy-terminal hydrophobic region of herpes simplex virus glycoprotein gB on intracellular transport and membrane anchoring. Journal of Virology, 1993, 67, 4856-4866.	3.4	46
4770	Structural rearrangement of infecting Sindbis virions at the cell surface: mapping of newly accessible epitopes. Journal of Virology, 1993, 67, 5117-5125.	3.4	52
4771	Evidence that the structural conformation of envelope gp120 affects human immunodeficiency virus type 1 infectivity, host range, and syncytium-forming ability. Journal of Virology, 1993, 67, 5635-5639.	3.4	105
4772	Reverse transcription in hepatitis B viruses is primed by a tyrosine residue of the polymerase. Journal of Virology, 1994, 68, 6-13.	3.4	245
4773	Cleavage of p15 protein in vitro by human immunodeficiency virus type 1 protease is RNA dependent. Journal of Virology, 1994, 68, 6207-6214.	3.4	52
4774	Identification and characterization of a 3C-like protease from rabbit hemorrhagic disease virus, a calicivirus. Journal of Virology, 1994, 68, 6487-6495.	3.4	85
4775	Functional complementation of the adenovirus E1B 19-kilodalton protein with Bcl-2 in the inhibition of apoptosis in infected cells. Journal of Virology, 1994, 68, 6553-6566.	3.4	232
4776	Tyrosine kinase activity may be necessary but is not sufficient for c-erbB1-mediated tissue-specific tumorigenicity. Journal of Virology, 1994, 68, 6804-6810.	3.4	15
4777	Measles virus fusion: role of the cysteine-rich region of the fusion glycoprotein. Journal of Virology, 1994, 68, 7546-7548.	3.4	58
4778	The amino-terminal residue of Sindbis virus glycoprotein E2 influences virus maturation, specific infectivity for BHK cells, and virulence in mice. Journal of Virology, 1994, 68, 8064-8070.	3.4	27
4779	Two open reading frames (ORF1 and ORF2) within the 2.0-kilobase latency-associated transcript of herpes simplex virus type 1 are not essential for reactivation from latency. Journal of Virology, 1994, 68, 8071-8081.	3.4	37
4780	Functional domains of the capsid protein of human immunodeficiency virus type 1. Journal of Virology, 1994, 68, 8180-8187.	3.4	235

#	ARTICLE	IF	CITATIONS
4781	Priming of duck hepatitis B virus reverse transcription in vitro: premature termination of primer DNA induced by the 5'-triphosphate of fialuridine. <i>Journal of Virology</i> , 1994, 68, 8265-8269.	3.4	35
4782	Integrase mutants of human immunodeficiency virus type 1 with a specific defect in integration. <i>Journal of Virology</i> , 1994, 68, 8401-8405.	3.4	91
4783	Sequence specificity of furin, a proprotein-processing endoprotease, for the hemagglutinin of a virulent avian influenza virus. <i>Journal of Virology</i> , 1994, 68, 1213-1218.	3.4	108
4784	Resistance to neutralization by broadly reactive antibodies to the human immunodeficiency virus type 1 gp120 glycoprotein conferred by a gp41 amino acid change. <i>Journal of Virology</i> , 1994, 68, 674-680.	3.4	68
4785	Subcellular localization of the Vif protein of human immunodeficiency virus type 1. <i>Journal of Virology</i> , 1994, 68, 704-712.	3.4	138
4786	Functional analysis of N-linked glycosylation mutants of the measles virus fusion protein synthesized by recombinant vaccinia virus vectors. <i>Journal of Virology</i> , 1994, 68, 1522-1531.	3.4	38
4787	Genetic analysis of the human immunodeficiency virus type 1 integrase protein. <i>Journal of Virology</i> , 1994, 68, 1633-1642.	3.4	141
4788	Two regions of an avian hepadnavirus RNA pregenome are required in cis for encapsidation. <i>Journal of Virology</i> , 1994, 68, 2084-2090.	3.4	99
4789	Mutation of either of two cysteine residues or deletion of the amino or carboxy terminus of nonstructural protein NS1 of bluetongue virus abrogates virus-specified tubule formation in insect cells. <i>Journal of Virology</i> , 1994, 68, 2169-2178.	3.4	20
4790	Characterization of the putative fusogenic domain in vesicular stomatitis virus glycoprotein G. <i>Journal of Virology</i> , 1994, 68, 2186-2193.	3.4	101
4791	Functional role of the V1/V2 region of human immunodeficiency virus type 1 envelope glycoprotein gp120 in infection of primary macrophages and soluble CD4 neutralization. <i>Journal of Virology</i> , 1994, 68, 2253-2259.	3.4	188
4792	Membrane anchoring domain of herpes simplex virus glycoprotein gB is sufficient for nuclear envelope localization. <i>Journal of Virology</i> , 1994, 68, 2272-2285.	3.4	48
4793	Isolation and characterization of nonsense mutations in gene 10 of bacteriophage phi 6. <i>Journal of Virology</i> , 1994, 68, 2331-2338.	3.4	12
4794	The tobacco etch potyvirus 6-kilodalton protein is membrane associated and involved in viral replication. <i>Journal of Virology</i> , 1994, 68, 2388-2397.	3.4	126
4795	Identification of functional regions of herpes simplex virus glycoprotein gD by using linker-insertion mutagenesis. <i>Journal of Virology</i> , 1994, 68, 2529-2543.	3.4	97
4796	Temperature-sensitive mutations in the gene encoding the small subunit of the vaccinia virus early transcription factor impair promoter binding, transcription activation, and packaging of multiple virion components. <i>Journal of Virology</i> , 1994, 68, 2605-2614.	3.4	22
4797	Lethality of PE2 incorporation into Sindbis virus can be suppressed by second-site mutations in E3 and E2. <i>Journal of Virology</i> , 1994, 68, 2683-2692.	3.4	47
4798	The Bel1 protein of human foamy virus contains one positive and two negative control regions which regulate a distinct activation domain of 30 amino acids. <i>Journal of Virology</i> , 1994, 68, 2708-2719.	3.4	27

#	ARTICLE	IF	CITATIONS
4799	Phosphorylation of the duck hepatitis B virus capsid protein associated with conformational changes in the C terminus. <i>Journal of Virology</i> , 1994, 68, 2965-2969.	3.4	69
4800	Reverse genetics provides direct evidence for a correlation of hemagglutinin cleavability and virulence of an avian influenza A virus. <i>Journal of Virology</i> , 1994, 68, 3120-3128.	3.4	246
4801	The apoptotic suppressor P35 is required early during baculovirus replication and is targeted to the cytosol of infected cells. <i>Journal of Virology</i> , 1994, 68, 3467-3477.	3.4	103
4802	Protection against lethal lymphocytic choriomeningitis virus (LCMV) infection by immunization of mice with an influenza virus containing an LCMV epitope recognized by cytotoxic T lymphocytes. <i>Journal of Virology</i> , 1994, 68, 3486-3490.	3.4	60
4803	Identification of functional regions in the human T-cell leukemia virus type I SU glycoprotein. <i>Journal of Virology</i> , 1994, 68, 3544-3549.	3.4	56
4804	Alphaherpesvirus origin-binding protein homolog encoded by human herpesvirus 6B, a betaherpesvirus, binds to nucleotide sequences that are similar to ori regions of alphaherpesviruses. <i>Journal of Virology</i> , 1994, 68, 4126-4136.	3.4	58
4805	Complex functional interactions at the early enhancer of the PQ strain of BK virus. <i>Journal of Virology</i> , 1994, 68, 4274-4286.	3.4	13
4806	Multiple functions of capsid protein phosphorylation in duck hepatitis B virus replication. <i>Journal of Virology</i> , 1994, 68, 4341-4348.	3.4	94
4807	Coordinate regulation of replication and virus assembly by the large envelope protein of an avian hepadnavirus. <i>Journal of Virology</i> , 1994, 68, 4565-4571.	3.4	158
4808	Postassembly cleavage of a retroviral glycoprotein cytoplasmic domain removes a necessary incorporation signal and activates fusion activity. <i>Journal of Virology</i> , 1994, 68, 4620-4627.	3.4	95
4809	Role of the major homology region of human immunodeficiency virus type 1 in virion morphogenesis. <i>Journal of Virology</i> , 1994, 68, 4927-4936.	3.4	253
4810	Single amino acid changes in the human immunodeficiency virus type 1 matrix protein block virus particle production. <i>Journal of Virology</i> , 1994, 68, 5311-5320.	3.4	308
4811	Site-specific RNA binding by a hepatitis B virus reverse transcriptase initiates two distinct reactions: RNA packaging and DNA synthesis. <i>Journal of Virology</i> , 1994, 68, 5579-5587.	3.4	190
4812	Construction of avian hepadnavirus variants with enhanced replication and cytopathicity in primary hepatocytes. <i>Journal of Virology</i> , 1994, 68, 5706-5713.	3.4	87
4813	Proteolytic processing of the replicase ORF1a protein of equine arteritis virus. <i>Journal of Virology</i> , 1994, 68, 5755-5764.	3.4	160
4814	Early transcription of the ie-1 transregulator gene of <i>Autographa californica</i> nuclear polyhedrosis virus is regulated by DNA sequences within its 5' noncoding leader region. <i>Journal of Virology</i> , 1995, 69, 156-165.	3.4	67
4815	Determinants of human immunodeficiency virus type 1 entry in the CDR2 loop of the CD4 glycoprotein. <i>Journal of Virology</i> , 1995, 69, 166-171.	3.4	37
4816	cis-acting sequences involved in human immunodeficiency virus type 1 RNA packaging. <i>Journal of Virology</i> , 1995, 69, 6588-6592.	3.4	63

#	ARTICLE	IF	CITATIONS
4817	Studies of the membrane fusion activities of fusion peptide mutants of influenza virus hemagglutinin. <i>Journal of Virology</i> , 1995, 69, 6643-6651.	3.4	165
4818	p6Gag is required for particle production from full-length human immunodeficiency virus type 1 molecular clones expressing protease. <i>Journal of Virology</i> , 1995, 69, 6810-6818.	3.4	453
4819	Transfer of the minus strand of DNA during hepadnavirus replication is not invariable but prefers a specific location. <i>Journal of Virology</i> , 1995, 69, 6886-6891.	3.4	43
4820	Biological activity of human immunodeficiency virus type 1 Vif requires membrane targeting by C-terminal basic domains. <i>Journal of Virology</i> , 1995, 69, 7196-7204.	3.4	69
4821	Both the changes of six amino acids and the C-terminal truncation caused by a one-base insertion in the defective env gene of Friend spleen focus-forming virus significantly affect the pathogenic activity of the encoded leukemogenic membrane glycoprotein (gp55). <i>Journal of Virology</i> , 1995, 69, 7606-7611.	3.4	11
4822	Cooperative binding of multimeric phosphoprotein (P) of vesicular stomatitis virus to polymerase (L) and template: pathways of assembly. <i>Journal of Virology</i> , 1995, 69, 7718-7723.	3.4	70
4823	Two herpes simplex virus type 1 latency-active promoters differ in their contributions to latency-associated transcript expression during lytic and latent infections. <i>Journal of Virology</i> , 1995, 69, 7899-7908.	3.4	105
4824	Effects of second-site mutations on dominant interference by a human immunodeficiency virus type 1 envelope glycoprotein mutant. <i>Journal of Virology</i> , 1995, 69, 1344-1348.	3.4	22
4825	Mokola virus glycoprotein and chimeric proteins can replace rabies virus glycoprotein in the rescue of infectious defective rabies virus particles. <i>Journal of Virology</i> , 1995, 69, 1444-1451.	3.4	48
4826	Debilitation of plant potyvirus infectivity by P1 proteinase-inactivating mutations and restoration by second-site modifications. <i>Journal of Virology</i> , 1995, 69, 1582-1590.	3.4	63
4827	Chimeras of receptors for gibbon ape leukemia virus/feline leukemia virus B and amphotropic murine leukemia virus reveal different modes of receptor recognition by retrovirus. <i>Journal of Virology</i> , 1995, 69, 2401-2405.	3.4	69
4828	Reverse genetics system for generation of an influenza A virus mutant containing a deletion of the carboxyl-terminal residue of M2 protein. <i>Journal of Virology</i> , 1995, 69, 2725-2728.	3.4	43
4829	Defining the level of human immunodeficiency virus type 1 (HIV-1) protease activity required for HIV-1 particle maturation and infectivity. <i>Journal of Virology</i> , 1995, 69, 2751-2758.	3.4	127
4830	Adaptation of human immunodeficiency virus type 1 to cells expressing a binding-deficient CD4 mutant (lysine 46 to aspartic acid). <i>Journal of Virology</i> , 1995, 69, 2801-2810.	3.4	19
4831	Mutations in the epsilon sequences of human hepatitis B virus affect both RNA encapsidation and reverse transcription. <i>Journal of Virology</i> , 1995, 69, 3067-3073.	3.4	99
4832	Reduced replication of human immunodeficiency virus type 1 mutants that use reverse transcription primers other than the natural tRNA(3Lys). <i>Journal of Virology</i> , 1995, 69, 3090-3097.	3.4	155
4833	Integration is required for productive infection of monocyte-derived macrophages by human immunodeficiency virus type 1. <i>Journal of Virology</i> , 1995, 69, 3216-3219.	3.4	150
4834	The CAGT motif functions as an initiator element during early transcription of the baculovirus transregulator ie-1. <i>Journal of Virology</i> , 1995, 69, 3575-3583.	3.4	59

#	ARTICLE	IF	CITATIONS
4835	Amino-terminal regions of polyomavirus middle T antigen are required for interactions with protein phosphatase 2A. <i>Journal of Virology</i> , 1995, 69, 3729-3736.	3.4	41
4836	Genetic analysis of the major homology region of the Rous sarcoma virus Gag protein. <i>Journal of Virology</i> , 1995, 69, 4213-4227.	3.4	163
4837	The C-terminal 25 amino acids of the protease and its substrate ICP35 of herpes simplex virus type 1 are involved in the formation of sealed capsids. <i>Journal of Virology</i> , 1995, 69, 4347-4356.	3.4	68
4838	Processing and evolution of the N-terminal region of the arterivirus replicase ORF1a protein: identification of two papainlike cysteine proteases. <i>Journal of Virology</i> , 1995, 69, 4500-4505.	3.4	174
4839	A molecular determinant of human immunodeficiency virus particle assembly located in matrix antigen p17. <i>Journal of Virology</i> , 1995, 69, 4519-4523.	3.4	51
4840	Mutational analysis of vaccinia virus nucleoside triphosphate phosphohydrolase II, a DExH box RNA helicase. <i>Journal of Virology</i> , 1995, 69, 4727-4736.	3.4	88
4841	In vitro selection and characterization of human immunodeficiency virus type 1 (HIV-1) isolates with reduced sensitivity to hydroxyethylamino sulfonamide inhibitors of HIV-1 aspartyl protease. <i>Journal of Virology</i> , 1995, 69, 5228-5235.	3.4	177
4842	Transcriptional enhancer activity of hr5 requires dual-palindrome half sites that mediate binding of a dimeric form of the baculovirus transregulator IE1. <i>Journal of Virology</i> , 1995, 69, 5368-5375.	3.4	104
4843	Involvement of the V1/V2 variable loop structure in the exposure of human immunodeficiency virus type 1 gp120 epitopes induced by receptor binding. <i>Journal of Virology</i> , 1995, 69, 5723-5733.	3.4	415
4844	A conserved LXXLF sequence is the major determinant in p6gag required for the incorporation of human immunodeficiency virus type 1 Vpr. <i>Journal of Virology</i> , 1996, 70, 159-164.	3.4	109
4845	Domains of the human immunodeficiency virus type 1 matrix and gp41 cytoplasmic tail required for envelope incorporation into virions. <i>Journal of Virology</i> , 1996, 70, 341-351.	3.4	338
4846	Lack of integrase can markedly affect human immunodeficiency virus type 1 particle production in the presence of an active viral protease. <i>Journal of Virology</i> , 1996, 70, 6820-6825.	3.4	116
4847	Effects of mutations in the gene-start and gene-end sequence motifs on transcription of monocistronic and dicistronic minigenomes of respiratory syncytial virus. <i>Journal of Virology</i> , 1996, 70, 6892-6901.	3.4	110
4848	Bovine viral diarrhea virus: characterization of a cytopathogenic defective interfering particle with two internal deletions. <i>Journal of Virology</i> , 1996, 70, 8175-8181.	3.4	46
4849	Previously unsuspected cis-acting sequences for DNA replication revealed by characterization of a chimeric heron/duck hepatitis B virus. <i>Journal of Virology</i> , 1996, 70, 8310-8317.	3.4	18
4850	Recovery of cytopathogenic and noncytopathogenic bovine viral diarrhea viruses from cDNA constructs. <i>Journal of Virology</i> , 1996, 70, 8606-8613.	3.4	156
4851	Mutations within DR2 independently reduce the amount of both minus- and plus-strand DNA synthesized during duck hepatitis B virus replication. <i>Journal of Virology</i> , 1996, 70, 8684-8690.	3.4	17
4852	Expression and function of the equine herpesvirus 1 virion-associated host shutoff homolog. <i>Journal of Virology</i> , 1996, 70, 8710-8718.	3.4	26



#	ARTICLE	IF	CITATIONS
4853	Brome mosaic virus helicase- and polymerase-like proteins colocalize on the endoplasmic reticulum at sites of viral RNA synthesis. <i>Journal of Virology</i> , 1996, 70, 8908-8916.	3.4	209
4854	Evidence for a second function of the MA sequence in the Rous sarcoma virus Gag protein. <i>Journal of Virology</i> , 1996, 70, 1016-1026.	3.4	63
4855	Human immunodeficiency virus type 1 integrase mutants retain in vitro integrase activity yet fail to integrate viral DNA efficiently during infection. <i>Journal of Virology</i> , 1996, 70, 721-728.	3.4	228
4856	The cytoplasmic tail of influenza A virus neuraminidase (NA) affects NA incorporation into virions, virion morphology, and virulence in mice but is not essential for virus replication. <i>Journal of Virology</i> , 1996, 70, 873-879.	3.4	125
4857	The human immunodeficiency virus type 1 5' packaging signal structure affects translation but does not function as an internal ribosome entry site structure. <i>Journal of Virology</i> , 1996, 70, 944-951.	3.4	94
4858	Properties of the adenovirus IVa2 gene product, an effector of late-phase-dependent activation of the major late promoter. <i>Journal of Virology</i> , 1996, 70, 1396-1405.	3.4	80
4859	Classical swine fever virus: recovery of infectious viruses from cDNA constructs and generation of recombinant cytopathogenic defective interfering particles. <i>Journal of Virology</i> , 1996, 70, 1588-1595.	3.4	153
4860	The QRxGRxGRxxxG motif of the vaccinia virus DEXH box RNA helicase NPH-II is required for ATP hydrolysis and RNA unwinding but not for RNA binding. <i>Journal of Virology</i> , 1996, 70, 1706-1713.	3.4	75
4861	Deduced consensus sequence of Sindbis virus strain AR339: mutations contained in laboratory strains which affect cell culture and in vivo phenotypes. <i>Journal of Virology</i> , 1996, 70, 1981-1989.	3.4	86
4862	Effects of zidovudine-selected human immunodeficiency virus type 1 reverse transcriptase amino acid substitutions on processive DNA synthesis and viral replication. <i>Journal of Virology</i> , 1996, 70, 2146-2153.	3.4	94
4863	Characterization of chimeras between the ecotropic Moloney murine leukemia virus and the amphotropic 4070A envelope proteins. <i>Journal of Virology</i> , 1996, 70, 3142-3152.	3.4	29
4864	Nucleoplasmic and nucleolar distribution of the adenovirus IVa2 gene product. <i>Journal of Virology</i> , 1996, 70, 3449-3460.	3.4	44
4865	Roles of the sequence encoding tobacco etch virus capsid protein in genome amplification: requirements for the translation process and a cis-active element. <i>Journal of Virology</i> , 1996, 70, 4370-4379.	3.4	72
4866	Functional domains of Moloney murine leukemia virus integrase defined by mutation and complementation analysis. <i>Journal of Virology</i> , 1996, 70, 4585-4597.	3.4	51
4867	The polymerase-like core of brome mosaic virus 2a protein, lacking a region interacting with viral 1a protein in vitro, maintains activity and 1a selectivity in RNA replication. <i>Journal of Virology</i> , 1996, 70, 4729-4736.	3.4	33
4868	FAETL motif required for leukemic transformation by v-Myb. <i>Journal of Virology</i> , 1996, 70, 5600-5610.	3.4	37
4869	Apoptotic suppression by baculovirus P35 involves cleavage by and inhibition of a virus-induced CED-3/ICE-like protease. <i>Journal of Virology</i> , 1996, 70, 6251-6259.	3.4	172
4870	Sequence identity of the terminal redundancies on the minus-strand DNA template is necessary but not sufficient for the template switch during hepadnavirus plus-strand DNA synthesis. <i>Journal of Virology</i> , 1997, 71, 152-160.	3.4	32

#	ARTICLE	IF	CITATIONS
4871	The ectodomain of the human T-cell leukemia virus type 1 TM glycoprotein is involved in postfusion events. <i>Journal of Virology</i> , 1997, 71, 7180-7186.	3.4	33
4872	Fungal phosphate transporter serves as a receptor backbone for gibbon ape leukemia virus. <i>Journal of Virology</i> , 1997, 71, 7619-7622.	3.4	28
4873	In vivo DNA expression of functional brome mosaic virus RNA replicons in <i>Saccharomyces cerevisiae</i> . <i>Journal of Virology</i> , 1997, 71, 7781-7790.	3.4	83
4874	The nucleocapsid-binding spike subunit E2 of Semliki Forest virus requires complex formation with the E1 subunit for activity. <i>Journal of Virology</i> , 1997, 71, 7857-7865.	3.4	21
4875	VPg of tobacco etch potyvirus is a host genotype-specific determinant for long-distance movement. <i>Journal of Virology</i> , 1997, 71, 8624-8631.	3.4	135
4876	Structural and functional determinants in adenovirus type 2 penton base recombinant protein. <i>Journal of Virology</i> , 1997, 71, 8678-8689.	3.4	42
4877	A mutation in tomato aspermy cucumovirus that abolishes cell-to-cell movement is maintained to high levels in the viral RNA population by complementation. <i>Journal of Virology</i> , 1997, 71, 9157-9162.	3.4	51
4878	DNA-dependent transregulation by IE1 of <i>Autographa californica</i> nuclear polyhedrosis virus: IE1 domains required for transactivation and DNA binding. <i>Journal of Virology</i> , 1997, 71, 9270-9277.	3.4	57
4879	Functions of the tobacco etch virus RNA polymerase (Nlb): subcellular transport and protein-protein interaction with VPg/proteinase (Nla). <i>Journal of Virology</i> , 1997, 71, 1598-1607.	3.4	103
4881	A conserved hairpin motif in the R-U5 region of the human immunodeficiency virus type 1 RNA genome is essential for replication. <i>Journal of Virology</i> , 1997, 71, 2346-2356.	3.4	128
4882	Characterization of the interaction between the baculovirus replication factors LEF-1 and LEF-2. <i>Journal of Virology</i> , 1997, 71, 3114-3119.	3.4	56
4883	The baculovirus single-stranded DNA binding protein, LEF-3, forms a homotrimer in solution. <i>Journal of Virology</i> , 1997, 71, 3574-3579.	3.4	40
4884	Biological properties of pseudorecombinant and recombinant strains created with cucumber mosaic virus and tomato aspermy virus. <i>Journal of Virology</i> , 1997, 71, 3597-3602.	3.4	49
4885	Location of cis-acting signals important for RNA encapsidation in the leader sequence of human immunodeficiency virus type 2. <i>Journal of Virology</i> , 1997, 71, 4133-4137.	3.4	64
4886	Analysis of the gene start and gene end signals of human respiratory syncytial virus: quasi-templated initiation at position 1 of the encoded mRNA. <i>Journal of Virology</i> , 1997, 71, 4944-4953.	3.4	91
4887	A mechanism for negative gene regulation in <i>Autographa californica</i> multinucleocapsid nuclear polyhedrosis virus. <i>Journal of Virology</i> , 1997, 71, 5088-5094.	3.4	36
4888	cis-Acting sequences in addition to donor and acceptor sites are required for template switching during synthesis of plus-strand DNA for duck hepatitis B virus. <i>Journal of Virology</i> , 1997, 71, 5336-5344.	3.4	38
4889	Two distinct oncornaviruses harbor an intracytoplasmic tyrosine-based basolateral targeting signal in their viral envelope glycoprotein. <i>Journal of Virology</i> , 1997, 71, 5696-5702.	3.4	46

#	ARTICLE	IF	CITATIONS
4890	Proteolytic Processing and Assembly of gag and gag-pol Proteins of TED, a Baculovirus-Associated Retrotransposon of the Gypsy Family. <i>Journal of Virology</i> , 1998, 72, 8718-8724.	3.4	11
4891	Effects of Mutations in the Rubella Virus E1 Glycoprotein on E1-E2 Interaction and Membrane Fusion Activity. <i>Journal of Virology</i> , 1998, 72, 8747-8755.	3.4	28
4892	Mutational Analysis of the Role of Nucleoside Triphosphatase P4 in the Assembly of the RNA Polymerase Complex of Bacteriophage $\phi$ 6. <i>Journal of Virology</i> , 1998, 72, 10058-10065.	3.4	33
4893	Immunization with a Single Major Histocompatibility Complex Class I-Restricted Cytotoxic T-Lymphocyte Recognition Epitope of Herpes Simplex Virus Type 2 Confers Protective Immunity. <i>Journal of Virology</i> , 1998, 72, 9567-9574.	3.4	105
4894	WIN 52035-Dependent Human Rhinovirus 16: Assembly Deficiency Caused by Mutations near the Canyon Surface. <i>Journal of Virology</i> , 1998, 72, 1210-1218.	3.4	37
4895	Construction and Characterization of a Temperature-Sensitive Human Immunodeficiency Virus Type 1 Reverse Transcriptase Mutant. <i>Journal of Virology</i> , 1998, 72, 2047-2054.	3.4	14
4896	A Putative $\alpha$ -Helical Structure Which Overlaps the Capsid-p2 Boundary in the Human Immunodeficiency Virus Type 1 Gag Precursor Is Crucial for Viral Particle Assembly. <i>Journal of Virology</i> , 1998, 72, 2072-2078.	3.4	180
4897	Signal Peptidase Cleavage at the Flavivirus C-prM Junction: Dependence on the Viral NS2B-3 Protease for Efficient Processing Requires Determinants in C, the Signal Peptide, and prM. <i>Journal of Virology</i> , 1998, 72, 2141-2149.	3.4	125
4898	Suppressors of Cleavage-Site Mutations in the p62 Envelope Protein of Semliki Forest Virus Reveal Dynamics in Spike Structure and Function. <i>Journal of Virology</i> , 1998, 72, 2825-2831.	3.4	19
4899	Mutational Analysis of the Candidate Internal Fusion Peptide of the Avian Leukosis and Sarcoma Virus Subgroup A Envelope Glycoprotein. <i>Journal of Virology</i> , 1998, 72, 3259-3267.	3.4	43
4900	Secondary Structures in the Capsid Protein Coding Sequence and 3' Nontranslated Region Involved in Amplification of the Tobacco Etch Virus Genome. <i>Journal of Virology</i> , 1998, 72, 4072-4079.	3.4	60
4901	Bovine Viral Diarrhea Virus Strain Oregon: a Novel Mechanism for Processing of NS2-3 Based on Point Mutations. <i>Journal of Virology</i> , 1998, 72, 4127-4138.	3.4	52
4902	Insertion of a Sequence Encoding Light Chain 3 of Microtubule-Associated Proteins 1A and 1B in a Pestivirus Genome: Connection with Virus Cytopathogenicity and Induction of Lethal Disease in Cattle. <i>Journal of Virology</i> , 1998, 72, 4139-4148.	3.4	57
4903	Cleavage of Rhesus Rotavirus VP4 after Arginine 247 Is Essential for Rotavirus-Like Particle-Induced Fusion from Without. <i>Journal of Virology</i> , 1998, 72, 5323-5327.	3.4	61
4904	Role of the Pre-S2 Domain of the Large Envelope Protein in Hepatitis B Virus Assembly and Infectivity. <i>Journal of Virology</i> , 1998, 72, 5573-5578.	3.4	107
4905	Genes Required for Replication of the 15.5-Kilobase RNA Genome of a Plant Closterovirus. <i>Journal of Virology</i> , 1998, 72, 5870-5876.	3.4	87
4906	Nonreciprocal Packaging of Human Immunodeficiency Virus Type 1 and Type 2 RNA: a Possible Role for the p2 Domain of Gag in RNA Encapsidation. <i>Journal of Virology</i> , 1998, 72, 5877-5885.	3.4	106
4907	Functional Analysis of the Core Human Immunodeficiency Virus Type 1 Packaging Signal in a Permissive Cell Line. <i>Journal of Virology</i> , 1998, 72, 5886-5896.	3.4	86

#	ARTICLE	IF	CITATIONS
4908	Role of the Transcription Start Site Core Region and Transcription Factor YY1 in Rous Sarcoma Virus Long Terminal Repeat Promoter Activity. <i>Journal of Virology</i> , 1998, 72, 6592-6601.	3.4	10
4909	Regions of Human Immunodeficiency Virus Type 1 <i>nef</i> Required for Function In Vivo. <i>Journal of Virology</i> , 1998, 72, 7032-7039.	3.4	56
4910	Altered Growth Characteristics of Recombinant Respiratory Syncytial Viruses Which Do Not Produce NS2 Protein. <i>Journal of Virology</i> , 1999, 73, 466-473.	3.4	96
4911	The Major Neutralizing Antigenic Site on Herpes Simplex Virus Glycoprotein D Overlaps a Receptor-Binding Domain. <i>Journal of Virology</i> , 1999, 73, 9879-9890.	3.4	80
4912	A Conserved Dileucine-Containing Motif in p6 <sup>gag</sup> Governs the Particle Association of Vpx and Vpr of Simian Immunodeficiency Viruses SIV <sub>mac</sub> and SIV <sub>agm</sub> . <i>Journal of Virology</i> , 1999, 73, 9992-9999.	3.4	84
4913	Addition of a Missense Mutation Present in the L Gene of Respiratory Syncytial Virus (RSV) <i>cpts</i> 530/1030 to RSV Vaccine Candidate <i>cpts</i> 248/404 Increases Its Attenuation and Temperature Sensitivity. <i>Journal of Virology</i> , 1999, 73, 871-877.	3.4	81
4914	Mutant Influenza Viruses with a Defective NS1 Protein Cannot Block the Activation of PKR in Infected Cells. <i>Journal of Virology</i> , 1999, 73, 2425-2433.	3.4	157
4915	Amphotropic Murine Leukemia Virus Entry Is Determined by Specific Combinations of Residues from Receptor Loops 2 and 4. <i>Journal of Virology</i> , 1999, 73, 3169-3175.	3.4	17
4916	The P236L Delavirdine-Resistant Human Immunodeficiency Virus Type 1 Mutant Is Replication Defective and Demonstrates Alterations in both RNA 5'→3'- and DNA 3'→5'-Directed RNase H Activities. <i>Journal of Virology</i> , 1999, 73, 5803-5813.	3.4	81
4917	High-Fidelity Correction of Mutations at Multiple Chromosomal Positions by Adeno-Associated Virus Vectors. <i>Journal of Virology</i> , 1999, 73, 7376-7380.	3.4	62
4918	Overexpression of the STE4 gene leads to mating response in haploid <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1990, 10, 217-222.	2.3	99
4919	Translation to Near the Distal End of the Penultimate Exon Is Required for Normal Levels of Spliced Triosephosphate Isomerase mRNA. <i>Molecular and Cellular Biology</i> , 1990, 10, 5215-5225.	2.3	90
4920	<i>cis</i> and <i>trans</i> -Acting Regulatory Elements of the Yeast <i>URA3</i> Promoter. <i>Molecular and Cellular Biology</i> , 1990, 10, 5257-5270.	2.3	62
4921	Transcriptional Initiation Is Controlled by Upstream GC-Box Interactions in a TATAA-Less Promoter. <i>Molecular and Cellular Biology</i> , 1990, 10, 6632-6641.	2.3	98
4922	RNA Polymerase II Subunit Composition, Stoichiometry, and Phosphorylation. <i>Molecular and Cellular Biology</i> , 1990, 10, 1915-1920.	2.3	63
4923	Transcriptional Regulation of <i>SSA3</i> , an HSP70 Gene from <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1990, 10, 3262-3267.	2.3	76
4924	A Nucleosome-Positioning Sequence Is Required for GCN4 To Activate Transcription in the Absence of a TATA Element. <i>Molecular and Cellular Biology</i> , 1990, 10, 4256-4265.	2.3	27
4925	AGP/EBP(LAP) expressed in rat hepatoma cells interacts with multiple promoter sites and is necessary for maximal glucocorticoid induction of the rat alpha-1 acid glycoprotein gene. <i>Molecular and Cellular Biology</i> , 1991, 11, 4959-4965.	2.3	16

#	ARTICLE	IF	CITATIONS
4926	Recombinant 43-kDa USF Binds to DNA and Activates Transcription in a Manner Indistinguishable from That of Natural 43/44-kDa USF. <i>Molecular and Cellular Biology</i> , 1991, 11, 5125-5136.	2.3	59
4927	Pseudouridine Modification of U5 RNA in Ribonucleoprotein Particles Assembled In Vitro. <i>Molecular and Cellular Biology</i> , 1991, 11, 5998-6006.	2.3	22
4928	Selection of Splice Sites in Pre-mRNAs with Short Internal Exons. <i>Molecular and Cellular Biology</i> , 1991, 11, 6075-6083.	2.3	140
4929	Newt Satellite 2 Transcripts Self-Cleave by Using an Extended Hammerhead Structure. <i>Molecular and Cellular Biology</i> , 1991, 11, 6109-6115.	2.3	13
4930	Mutations at Sites Involved in Suc1 Binding Inactivate Cdc2. <i>Molecular and Cellular Biology</i> , 1991, 11, 6177-6184.	2.3	24
4931	The Role of RAP1 in the Regulation of the <i>MAT1±</i> Locus. <i>Molecular and Cellular Biology</i> , 1991, 11, 1069-1079.	2.3	58
4932	Two Types of TATA Elements for the <i>CYC1</i> Gene of the Yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1991, 11, 666-676.	2.3	54
4933	An In Vitro Transcription Analysis of Early Responses of the Human Immunodeficiency Virus Type 1 Long Terminal Repeat to Different Transcriptional Activators. <i>Molecular and Cellular Biology</i> , 1991, 11, 1883-1893.	2.3	43
4934	<i>MOD5</i> Translation Initiation Sites Determine <i>N</i> <sup>6</sup> -Isopentenyladenosine Modification of Mitochondrial and Cytoplasmic tRNA. <i>Molecular and Cellular Biology</i> , 1991, 11, 2382-2390.	2.3	49
4935	Pheromone Response Elements Are Necessary and Sufficient for Basal and Pheromone-Induced Transcription of the <i>FUS1</i> Gene of <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1991, 11, 2952-2961.	2.3	91
4936	Phosphorylation of <i>Xenopus</i> Cyclins B1 and B2 Is Not Required for Cell Cycle Transitions. <i>Molecular and Cellular Biology</i> , 1991, 11, 3860-3867.	2.3	43
4937	<i>trans</i> -Dominant Mutants of E1A Provide Genetic Evidence that the Zinc Finger of the <i>trans</i> -Activating Domain Binds a Transcription Factor. <i>Molecular and Cellular Biology</i> , 1991, 11, 4287-4296.	2.3	66
4938	Mutations in the Three Largest Subunits of Yeast RNA Polymerase II That Affect Enzyme Assembly. <i>Molecular and Cellular Biology</i> , 1991, 11, 4669-4678.	2.3	50
4939	E2F Mediates Dihydrofolate Reductase Promoter Activation and Multiprotein Complex Formation in Human Cytomegalovirus Infection. <i>Molecular and Cellular Biology</i> , 1992, 12, 4364-4374.	2.3	95
4940	The Yeast <i>EUG1</i> Gene Encodes an Endoplasmic Reticulum Protein That Is Functionally Related to Protein Disulfide Isomerase. <i>Molecular and Cellular Biology</i> , 1992, 12, 4601-4611.	2.3	54
4941	Definition of the Transcriptional Activation Domain of Recombinant 43-Kilodalton USF. <i>Molecular and Cellular Biology</i> , 1992, 12, 5094-5101.	2.3	36
4942	Synthetic Lethal Mutations Suggest Interactions between U5 Small Nuclear RNA and Four Proteins Required for the Second Step of Splicing. <i>Molecular and Cellular Biology</i> , 1992, 12, 5197-5205.	2.3	78
4943	Hypoxic Induction of the Human Erythropoietin Gene: Cooperation between the Promoter and Enhancer, Each of Which Contains Steroid Receptor Response Elements. <i>Molecular and Cellular Biology</i> , 1992, 12, 5373-5385.	2.3	65

#	ARTICLE	IF	CITATIONS
4944	Multiple Functional Domains of Human U2 Small Nuclear RNA: Strengthening Conserved Stem I Can Block Splicing. <i>Molecular and Cellular Biology</i> , 1992, 12, 5464-5473.	2.3	18
4945	Separate Information Required for Nuclear and Subnuclear Localization: Additional Complexity in Localizing an Enzyme Shared by Mitochondria and Nuclei. <i>Molecular and Cellular Biology</i> , 1992, 12, 5652-5658.	2.3	19
4946	The HIP1 Binding Site Is Required for Growth Regulation of the Dihydrofolate Reductase Gene Promoter. <i>Molecular and Cellular Biology</i> , 1992, 12, 1054-1063.	2.3	128
4947	Effect of Mutations in a Zinc-Binding Domain of Yeast RNA Polymerase C (III) on Enzyme Function and Subunit Association. <i>Molecular and Cellular Biology</i> , 1992, 12, 1087-1095.	2.3	56
4948	Nonsense Codons in Human $\hat{1}^2$ -Globin mRNA Result in the Production of mRNA Degradation Products. <i>Molecular and Cellular Biology</i> , 1992, 12, 1149-1161.	2.3	84
4949	Expression of the CD4 Gene Requires a Myb Transcription Factor. <i>Molecular and Cellular Biology</i> , 1992, 12, 1592-1604.	2.3	69
4950	Effects of SH2 and SH3 Deletions on the Functional Activities of Wild-Type and Transforming Variants of c-Src. <i>Molecular and Cellular Biology</i> , 1992, 12, 1835-1845.	2.3	90
4951	Cooperation of Pre-mRNA Sequence Elements in Splice Site Selection. <i>Molecular and Cellular Biology</i> , 1992, 12, 2108-2114.	2.3	66
4952	Biochemical and Genetic Characterization of a Yeast TFIID Mutant That Alters Transcription In Vivo and DNA Binding In Vitro. <i>Molecular and Cellular Biology</i> , 1992, 12, 2372-2382.	2.3	28
4953	E1A-Responsive Elements for Repression of Rat Fibronectin Gene Transcription. <i>Molecular and Cellular Biology</i> , 1992, 12, 2837-2846.	2.3	22
4954	The N-Terminal 96 Residues of MCM1, a Regulator of Cell Type-Specific Genes in <i>Saccharomyces cerevisiae</i> , Are Sufficient for DNA Binding, Transcription Activation, and Interaction with $\hat{1}\pm$ l. <i>Molecular and Cellular Biology</i> , 1992, 12, 3563-3572.	2.3	23
4955	<i>PRP38</i> Encodes a Yeast Protein Required for Pre-mRNA Splicing and Maintenance of Stable U6 Small Nuclear RNA Levels. <i>Molecular and Cellular Biology</i> , 1992, 12, 3939-3947.	2.3	59
4956	Identification of Amino Acids Essential for DNA Binding and Dimerization in p67 <sup>SRF</sup> : Implications for a Novel DNA-Binding Motif. <i>Molecular and Cellular Biology</i> , 1993, 13, 123-132.	2.3	36
4957	Identification of a Retinoic Acid Response Element Upstream of the Murine <i>Hox-4.2</i> Gene. <i>Molecular and Cellular Biology</i> , 1993, 13, 257-265.	2.3	31
4958	Discrimination Among Potential Activators of the $\hat{1}^2$ -Globin CACCC Element by Correlation of Binding and Transcriptional Properties. <i>Molecular and Cellular Biology</i> , 1993, 13, 44-56.	2.3	40
4959	Transcriptional Activation by the Adenovirus Larger E1a Product is Mediated by Members of the Cellular Transcription Factor ATF Family Which Can Directly Associate with E1a. <i>Molecular and Cellular Biology</i> , 1993, 13, 561-570.	2.3	73
4960	Transcription of $\hat{1}\pm$ -Specific Genes in <i>Saccharomyces cerevisiae</i> : DNA Sequence Requirements for Activity of the Coregulator $\hat{1}\pm$ l. <i>Molecular and Cellular Biology</i> , 1993, 13, 6866-6875.	2.3	22
4961	Transformation by Fos Proteins Requires a C-Terminal Transactivation Domain. <i>Molecular and Cellular Biology</i> , 1993, 13, 7429-7438.	2.3	37



#	ARTICLE	IF	CITATIONS
4962	Signals That Produce 3' Termini in CYC1 mRNA of the Yeast <i>Saccharomyces cerevisiae</i> . Molecular and Cellular Biology, 1993, 13, 7836-7849.	2.3	34
4963	Molecular Cloning, Expression, and Characterization of the <i>Drosophila</i> 85-Kilodalton TFIID Subunit. Molecular and Cellular Biology, 1993, 13, 7859-7863.	2.3	21
4964	Species-Specific Signals for the Splicing of a Short <i>Drosophila</i> Intron in Vitro. Molecular and Cellular Biology, 1993, 13, 1104-1118.	2.3	31
4965	An Alternative Helix in the 26S rRNA Promotes Excision and Integration of the <i>Tetrahymena</i> Intervening Sequence. Molecular and Cellular Biology, 1993, 13, 1137-1145.	2.3	24
4966	Phosphorylation of the <i>TAL1</i> Oncoprotein by the Extracellular-Signal-Regulated Protein Kinase ERK1. Molecular and Cellular Biology, 1993, 13, 801-808.	2.3	29
4967	A Dosage-Dependent Suppressor of a Temperature-Sensitive Calmodulin Mutant Encodes a Protein Related to the <i>fork head</i> Family of DNA-Binding Proteins. Molecular and Cellular Biology, 1993, 13, 1779-1787.	2.3	38
4968	COUP-TF Acts as a Competitive Repressor for Estrogen Receptor-Mediated Activation of the Mouse Lactoferrin Gene. Molecular and Cellular Biology, 1993, 13, 1836-1846.	2.3	36
4969	Nonsense Codons Can Reduce the Abundance of Nuclear mRNA without Affecting the Abundance of Pre-mRNA or the Half-Life of Cytoplasmic mRNA. Molecular and Cellular Biology, 1993, 13, 1892-1902.	2.3	111
4970	Multiple Regulatory Elements Contribute Differentially to Muscle Creatine Kinase Enhancer Activity in Skeletal and Cardiac Muscle. Molecular and Cellular Biology, 1993, 13, 2753-2764.	2.3	53
4971	(CT) <sub>n</sub> (GA) <sub>n</sub> Repeats and Heat Shock Elements Have Distinct Roles in Chromatin Structure and Transcriptional Activation of the <i>Drosophila hsp26</i> Gene. Molecular and Cellular Biology, 1993, 13, 2802-2814.	2.3	109
4972	Yeast Ribosomal Protein L1 is Required for the Stability of Newly Synthesized 5S rRNA and the Assembly of 60S Ribosomal Subunits. Molecular and Cellular Biology, 1993, 13, 2835-2845.	2.3	96
4973	Architecture of a Yeast U6 RNA Gene Promoter. Molecular and Cellular Biology, 1993, 13, 3015-3026.	2.3	64
4974	A Yeast Mitogen-Activated Protein Kinase Homolog (Mpk1p) Mediates Signalling by Protein Kinase C. Molecular and Cellular Biology, 1993, 13, 3067-3075.	2.3	207
4975	Sequences Within the Last Intron function in RNA 3'-End Formation in Cultured Cells. Molecular and Cellular Biology, 1993, 13, 3359-3369.	2.3	60
4976	The Lung-Specific CC10 Gene Is Regulated by Transcription Factors from the AP-1, Octamer, and Hepatocyte Nuclear Factor 3 Families. Molecular and Cellular Biology, 1993, 13, 3860-3871.	2.3	43
4977	Identification and characterization of a beta-globin promoter-binding factor from murine erythroleukemia cells. Molecular and Cellular Biology, 1993, 13, 4311-4322.	2.3	6
4978	ADH2 expression is repressed by REG1 independently of mutations that alter the phosphorylation of the yeast transcription factor ADR1. Molecular and Cellular Biology, 1993, 13, 4391-4399.	2.3	37
4979	Suppression of a Defect in the 5' Untranslated Leader of Mitochondrial <i>COX3</i> mRNA by a Mutation Affecting an mRNA-Specific Translational Activator Protein. Molecular and Cellular Biology, 1993, 13, 4806-4813.	2.3	36

#	ARTICLE	IF	CITATIONS
4980	A Small Segment of the <i>MAT1</i> Transcript Promotes mRNA Decay in <i>Saccharomyces cerevisiae</i> : a Stimulatory Role for Rare Codons. <i>Molecular and Cellular Biology</i> , 1993, 13, 5141-5148.	2.3	119
4981	A Phylogenetically Conserved Sequence within Viral 3' Untranslated RNA Pseudoknots Regulates Translation. <i>Molecular and Cellular Biology</i> , 1993, 13, 5331-5347.	2.3	68
4982	Mutational and Functional Analysis of Dominant <i>SPT2</i> ( <i>SIN1</i> ) Suppressor Alleles in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1993, 13, 5393-5407.	2.3	16
4983	Two upstream activation sequences control the expression of the XPR2 gene in the yeast <i>Yarrowia lipolytica</i> . <i>Molecular and Cellular Biology</i> , 1994, 14, 327-338.	2.3	19
4984	A library of yeast genomic MCM1 binding sites contains genes involved in cell cycle control, cell wall and membrane structure, and metabolism. <i>Molecular and Cellular Biology</i> , 1994, 14, 348-359.	2.3	40
4985	Maf nuclear oncoprotein recognizes sequences related to an AP-1 site and forms heterodimers with both Fos and Jun. <i>Molecular and Cellular Biology</i> , 1994, 14, 700-712.	2.3	173
4986	Elf-1 Binds to a Critical Element in a Second CD4 Enhancer. <i>Molecular and Cellular Biology</i> , 1994, 14, 6452-6463.	2.3	46
4987	The Fps/Fes Protein-Tyrosine Kinase Promotes Angiogenesis in Transgenic Mice. <i>Molecular and Cellular Biology</i> , 1994, 14, 6755-6763.	2.3	27
4988	Transcriptional Regulation of the Phosphoenolpyruvate Carboxykinase Gene by Cooperation Between Hepatic Nuclear Factors. <i>Molecular and Cellular Biology</i> , 1994, 14, 7124-7133.	2.3	11
4989	Identification and Characterization by Antisense Oligonucleotides of Exon and Intron Sequences Required for Splicing. <i>Molecular and Cellular Biology</i> , 1994, 14, 7445-7454.	2.3	16
4990	MafB, a New Maf Family Transcription Activator That Can Associate with Maf and Fos but Not with Jun. <i>Molecular and Cellular Biology</i> , 1994, 14, 7581-7591.	2.3	95
4991	The <i>Saccharomyces cerevisiae</i> Checkpoint Gene <i>BUB1</i> Encodes a Novel Protein Kinase. <i>Molecular and Cellular Biology</i> , 1994, 14, 8282-8291.	2.3	97
4992	Interactions among Three Proteins That Specifically Activate Translation of the Mitochondrial <i>COX3</i> mRNA in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1994, 14, 1045-1053.	2.3	49
4993	ATBF1, a Multiple-Homeodomain Zinc Finger Protein, Selectively Down-Regulates AT-Rich Elements of the Human $\beta$ -Fetoprotein Gene. <i>Molecular and Cellular Biology</i> , 1994, 14, 1395-1401.	2.3	46
4994	Characterization of a Family of Related Cellular Transcription Factors Which Can Modulate Human Immunodeficiency Virus Type 1 Transcription In Vitro. <i>Molecular and Cellular Biology</i> , 1994, 14, 1776-1785.	2.3	59
4995	Lck-Dependent Tyrosyl Phosphorylation of the Phosphotyrosine Phosphatase SH-PTP1 in Murine T Cells. <i>Molecular and Cellular Biology</i> , 1994, 14, 1824-1834.	2.3	55
4996	Induction of Pseudohyphal Growth by Overexpression of <i>PHD1</i> , a <i>Saccharomyces cerevisiae</i> Gene Related to Transcriptional Regulators of Fungal Development. <i>Molecular and Cellular Biology</i> , 1994, 14, 2100-2112.	2.3	174
4997	Subcellular Locations of <i>MOD5</i> Proteins: Mapping of Sequences Sufficient for Targeting to Mitochondria and Demonstration that Mitochondrial and Nuclear Isoforms Commingle in the Cytosol. <i>Molecular and Cellular Biology</i> , 1994, 14, 2298-2306.	2.3	38

#	ARTICLE	IF	CITATIONS
4998	MCM1 Point Mutants Deficient in Expression of $\hat{1}\pm$ -Specific Genes: Residues Important for Interaction with $\hat{1}\pm$ . Molecular and Cellular Biology, 1994, 14, 2534-2544.	2.3	22
4999	xUBF, an RNA Polymerase I Transcription Factor, Binds Crossover DNA with Low Sequence Specificity. Molecular and Cellular Biology, 1994, 14, 2871-2882.	2.3	39
5000	Function of NF- $\hat{1}$ B/Rel Binding Sites in the Major Histocompatibility Complex Class II Invariant Chain Promoter Is Dependent on Cell-Specific Binding of Different NF- $\hat{1}$ B/Rel Subunits. Molecular and Cellular Biology, 1994, 14, 2926-2935.	2.3	25
5001	A Carbon Source-Responsive Promoter Element Necessary for Activation of the Isocitrate Lyase Gene <i>&lt;i&gt;ICL1&lt;/i&gt;</i> Is Common to Genes of the Gluconeogenic Pathway in the Yeast <i>&lt;i&gt;Saccharomyces cerevisiae&lt;/i&gt;</i> . Molecular and Cellular Biology, 1994, 14, 3613-3622.	2.3	47
5002	Commitment of yeast pre-mRNA to the splicing pathway requires a novel U1 small nuclear ribonucleoprotein polypeptide, Prp39p. Molecular and Cellular Biology, 1994, 14, 3623-3633.	2.3	42
5003	Participation of Ets Transcription Factors in the Glucocorticoid Response of the Rat Tyrosine Aminotransferase Gene. Molecular and Cellular Biology, 1994, 14, 4116-4125.	2.3	35
5004	Mutations That Alter Ligand-induced Switches and Dimerization Activities in the Retinoid X Receptor. Molecular and Cellular Biology, 1994, 14, 4311-4323.	2.3	26
5005	Type 1 Protein Phosphatase Acts in Opposition to Ipl1 Protein Kinase in Regulating Yeast Chromosome Segregation. Molecular and Cellular Biology, 1994, 14, 4731-4740.	2.3	115
5006	Tyrosine 569 in the c-Fms Juxtamembrane Domain Is Essential for Kinase Activity and Macrophage Colony-Stimulating Factor-Dependent Internalization. Molecular and Cellular Biology, 1994, 14, 4843-4854.	2.3	11
5007	Functional Differences between HOX Proteins Conferred by Two Residues in the Homeodomain N-Terminal Arm. Molecular and Cellular Biology, 1994, 14, 5066-5075.	2.3	20
5008	Sequence and Structural Requirements of a Herpes Simplex Viral DNA Replication Origin. Molecular and Cellular Biology, 1988, 8, 4018-4027.	2.3	54
5009	Efficiency of Translation Initiation by Non-AUG Codons in <i>&lt;i&gt;Saccharomyces cerevisiae&lt;/i&gt;</i> . Molecular and Cellular Biology, 1988, 8, 4533-4536.	2.3	51
5010	Cysteine Residues in the Zinc Finger and Amino Acids Adjacent to the Finger Are Necessary for DNA Binding by the LAC9 Regulatory Protein of <i>&lt;i&gt;Kluyveromyces lactis&lt;/i&gt;</i> . Molecular and Cellular Biology, 1988, 8, 3726-3733.	2.3	22
5011	Molecular and Biochemical Characterization of the Human <i>&lt;i&gt;trk&lt;/i&gt;</i> Proto-Oncogene. Molecular and Cellular Biology, 1989, 9, 24-33.	2.3	187
5012	The Common <i>&lt;i&gt;src&lt;/i&gt;</i> Homology Region 2 Domain of Cytoplasmic Signaling Proteins Is a Positive Effector of v- <i>&lt;i&gt;fps&lt;/i&gt;</i> Tyrosine Kinase Function. Molecular and Cellular Biology, 1989, 9, 4131-4140.	2.3	58
5013	Novel N-Terminal Amino Acid Sequence Required for Retention of a Hepatitis B Virus Glycoprotein in the Endoplasmic Reticulum. Molecular and Cellular Biology, 1989, 9, 4459-4466.	2.3	78
5014	Role of Intron Splicing in the Function of the <i>&lt;i&gt;MATa&lt;/i&gt;</i> Gene of <i>&lt;i&gt;Saccharomyces cerevisiae&lt;/i&gt;</i> . Molecular and Cellular Biology, 1989, 9, 4613-4620.	2.3	10
5015	Transcription Factor E2F Is Required for Efficient Expression of the Hamster Dihydrofolate Reductase Gene In Vitro and In Vivo. Molecular and Cellular Biology, 1989, 9, 4994-5002.	2.3	219

#	ARTICLE	IF	CITATIONS
5016	RNA Polymerase II Subunit RPB3 Is an Essential Component of the mRNA Transcription Apparatus. Molecular and Cellular Biology, 1989, 9, 5387-5394.	2.3	74
5017	Avian Retroviral Long Terminal Repeats Bind CCAAT/Enhancer-Binding Protein. Molecular and Cellular Biology, 1989, 9, 1155-1164.	2.3	98
5018	Sequences Downstream of AATAAA Signals Affect Pre-mRNA Cleavage and Polyadenylation In Vitro Both Directly and Indirectly. Molecular and Cellular Biology, 1989, 9, 1759-1771.	2.3	54
5019	Positive and Negative Regulation of Basal Expression of a Yeast HSP70 Gene. Molecular and Cellular Biology, 1989, 9, 2025-2033.	2.3	52
5020	Notes: <i>Kluyveromyces lactis</i> Maintains <i>Saccharomyces cerevisiae</i> Intron-Encoded Splicing Signals. Molecular and Cellular Biology, 1989, 9, 2208-2213.	2.3	27
5021	Structural and Functional Analyses of <i>Saccharomyces cerevisiae</i> Wild-Type and Mutant <i>rRNA1</i> Genes. Molecular and Cellular Biology, 1989, 9, 2989-2999.	2.3	45
5022	Expression of virus-encoded proteinases: functional and structural similarities with cellular enzymes. Microbiological Reviews, 1993, 57, 781-822.	10.1	343
5023	"Mirror image" antagonists of thrombin-induced platelet activation based on thrombin receptor structure.. Journal of Clinical Investigation, 1992, 89, 444-450.	8.2	51
5024	Molecular genetics of steroid 5 alpha-reductase 2 deficiency.. Journal of Clinical Investigation, 1992, 90, 799-809.	8.2	362
5025	Entactin stimulates neutrophil adhesion and chemotaxis through interactions between its Arg-Gly-Asp (RGD) domain and the leukocyte response integrin.. Journal of Clinical Investigation, 1992, 90, 2251-2257.	8.2	118
5026	Predominant expression of beta 1-adrenergic receptor in the thick ascending limb of rat kidney. Absolute mRNA quantitation by reverse transcription and polymerase chain reaction.. Journal of Clinical Investigation, 1993, 91, 264-272.	8.2	69
5027	Expression of the phenotypic abnormality of platelet-type von Willebrand disease in a recombinant glycoprotein Ib alpha fragment.. Journal of Clinical Investigation, 1993, 91, 2133-2137.	8.2	37
5028	von Willebrand factor mutation enhancing interaction with platelets in patients with normal multimeric structure.. Journal of Clinical Investigation, 1993, 91, 2169-2177.	8.2	74
5029	Point mutation in a leucine-rich repeat of platelet glycoprotein Ib alpha resulting in the Bernard-Soulier syndrome.. Journal of Clinical Investigation, 1993, 92, 1213-1220.	8.2	108
5030	Characterization of the deoxycytidine kinase promoter in human lymphoblast cell lines.. Journal of Clinical Investigation, 1995, 95, 1660-1668.	8.2	38
5031	Local anesthetics as effectors of allosteric gating. Lidocaine effects on inactivation-deficient rat skeletal muscle Na channels.. Journal of Clinical Investigation, 1996, 98, 2874-2886.	8.2	85
5032	Characterization of mutant myosins of Dictyostelium discoideum equivalent to human familial hypertrophic cardiomyopathy mutants. Molecular force level of mutant myosins may have a prognostic implication.. Journal of Clinical Investigation, 1997, 99, 1010-1015.	8.2	67
5033	Growth factor activation of the estrogen receptor in vascular cells occurs via a mitogen-activated protein kinase-independent pathway.. Journal of Clinical Investigation, 1998, 101, 2851-2861.	8.2	59

#	ARTICLE	IF	CITATIONS
5034	Intracellular calcium homeostasis in human primary muscle cells from malignant hyperthermia-susceptible and normal individuals. Effect Of overexpression of recombinant wild-type and Arg163Cys mutated ryanodine receptors.. Journal of Clinical Investigation, 1998, 101, 1233-1242.	8.2	87
5035	The defective interaction between von Willebrand factor and factor VIII in a patient with type 1 von Willebrand disease is caused by substitution of Arg19 and His54 in mature von Willebrand factor. Blood, 1996, 87, 1013-1021.	1.4	46
5036	Activation of Human Plasminogen by Staphylokinase. Direct Evidence That Preformed Plasmin Is Necessary for Activation to Occur. Blood, 1997, 89, 1585-1589.	1.4	11
5037	Pyridoxine Refractory X-Linked Sideroblastic Anemia Caused by a Point Mutation in the Erythroid 5-Aminolevulinate Synthase Gene. Blood, 1997, 90, 822-830.	1.4	3
5038	The AML1/ETO(MTG8) and AML1/Evi-1 Leukemia-Associated Chimeric Oncoproteins Accumulate PEBP2 $\beta$ (CBF $\beta$ ) in the Nucleus More Efficiently Than Wild-Type AML1. Blood, 1998, 91, 1688-1699.	1.4	5
5039	Localization of vasa, a component of <i>Drosophila</i> polar granules, in maternal-effect mutants that alter embryonic anteroposterior polarity. Development (Cambridge), 1990, 109, 425-433.	2.5	199
5040	Spatial regulation of <i>Drosophila</i> Snake protease activity in the generation of dorsal-ventral polarity. Development (Cambridge), 1995, 121, 4127-4135.	2.5	29
5041	XCtBP is a XTcf-3 co-repressor with roles throughout <i>Xenopus</i> development. Development (Cambridge), 1999, 126, 3159-3170.	2.5	224
5042	Hhex and Scl function in parallel to regulate early endothelial and blood differentiation in zebrafish. Development (Cambridge), 2000, 127, 4303-4313.	2.5	122
5043	In vitro assembly properties of vimentin mutagenized at the-site tail motif. Journal of Cell Science, 1993, 106, 919-928.	2.0	24
5044	An LI and ML motif in the cytoplasmic tail of the MHC-associated invariant chain mediate rapid internalization. Journal of Cell Science, 1994, 107, 2021-2032.	2.0	118
5045	Identification of a key integrin-binding sequence in VCAM-1 homologous to the LDV active site in fibronectin. Journal of Cell Science, 1994, 107, 2127-2135.	2.0	98
5046	Identification and cDNA cloning of a <i>Xenopus</i> nucleolar phosphoprotein, xNopp180, that is the homolog of the rat nucleolar protein Nopp140. Journal of Cell Science, 1995, 108, 3339-3347.	2.0	34
5047	Role of the carboxyl-terminal <i>Fib2</i> domain in fibronectin matrix assembly. Journal of Cell Science, 1995, 108, 907-915.	2.0	16
5048	Lysine residues in the C-terminal lobe and lysosomal targeting of procathepsin D. Journal of Cell Science, 1995, 108, 2007-2015.	2.0	12
5049	Regulation of cell migration by the integrin $\beta$ 2 subunit ectodomain. Journal of Cell Science, 1996, 109, 1615-1622.	2.0	35
5050	Evidence for colocalization and interaction between 37 and 39 kDa isoforms of secretory carrier membrane proteins (SCAMPs). Journal of Cell Science, 1997, 110, 1533-1541.	2.0	32
5051	Calmodulin localizes to the spindle pole body of <i>Schizosaccharomyces pombe</i> and performs an essential function in chromosome segregation. Journal of Cell Science, 1997, 110, 1805-1812.	2.0	92

#	ARTICLE	IF	CITATIONS
5052	Cloning of <i>SEC61</i> homologues from <i>Schizosaccharomyces pombe</i> and <i>Yarrowia lipolytica</i> reveals the extent of functional conservation within this core component of the ER translocation machinery. <i>Journal of Cell Science</i> , 1997, 110, 2715-2727.	2.0	30
5053	Sorting of MHC class II molecules and the associated invariant chain (Ii) in polarized MDCK cells. <i>Journal of Cell Science</i> , 1997, 110, 597-609.	2.0	40
5054	Novel functions of clathrin light chains: clathrin heavy chain trimerization is defective in light chain-deficient yeast. <i>Journal of Cell Science</i> , 1997, 110, 899-910.	2.0	52
5055	Intracellular localization and membrane topology of 11-cis retinol dehydrogenase in the retinal pigment epithelium suggest a compartmentalized synthesis of 11-cis retinaldehyde. <i>Journal of Cell Science</i> , 1999, 112, 549-558.	2.0	53
5056	Human Cdc5, a regulator of mitotic entry, can act as a site-specific DNA binding protein. <i>Journal of Cell Science</i> , 2000, 113, 4523-4531.	2.0	37
5057	Comparison of the glycosyl-phosphatidylinositol cleavage/attachment site between mammalian cells and parasitic protozoa. <i>Journal of Cell Science</i> , 2000, 113, 721-727.	2.0	13
5058	Alteration of the stability of Bag-1 protein in the control of olfactory neuronal apoptosis. <i>Journal of Cell Science</i> , 2001, 114, 1409-1416.	2.0	38
5059	Ectopic expression of <i>Drosophila</i> ELAV and human HuD in <i>Drosophila</i> wing disc cells reveals functional distinctions and similarities. <i>Journal of Cell Science</i> , 2002, 115, 2413-2421.	2.0	21
5060	Effects Of Antifreeze Proteins on Red Blood Cell Survival During Cryopreservation. <i>Journal of Experimental Biology</i> , 1996, 199, 2071-2076.	1.7	115
5061	High Affinity Antigen Recognition of the Dual Specific Variants of Herceptin Is Entropy-Driven in Spite of Structural Plasticity. <i>PLoS ONE</i> , 2011, 6, e17887.	2.5	69
5062	Proximity of Transmembrane Segments 5 and 8 of the Glutamate Transporter GLT-1 Inferred from Paired Cysteine Mutagenesis. <i>PLoS ONE</i> , 2011, 6, e21288.	2.5	7
5063	Targeting the fungal plasma membrane proton pump.. <i>Acta Biochimica Polonica</i> , 1995, 42, 481-496.	0.5	17
5064	Phage display of proteins.. <i>Acta Biochimica Polonica</i> , 1998, 45, 705-720.	0.5	5
5065	A cell-free yellow lupin extract containing activities of pseudouridine 35 and 55 synthases.. <i>Acta Biochimica Polonica</i> , 1998, 45, 745-754.	0.5	3
5066	The Role of Herpes Simplex Virus-1 Thymidine Kinase Alanine 168 in Substrate Specificity. <i>The Open Biochemistry Journal</i> , 2008, 2, 60-66.	0.5	10
5067	FINE TUNING OF THE SPECIFICITY OF THE PERIPLASMIC PHOSPHATE TRANSPORT RECEPTOR: SITE-DIRECTED MUTAGENESIS, LIGAND BINDING, AND CRYSTALLOGRAPHIC STUDIES. , 1994, 269, 25091-4.		50
5068	Auto-cleavable Ribozyme Sequence Attached to Brome Mosaic Virus cDNAs Enhances Accumulation of Viral RNAs Transcribed In Vivo from the cDNAs.. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1997, 63, 95-98.	0.1	4
5069	Cotranslational microRNA mediated messenger RNA destabilization. <i>ELife</i> , 2016, 5, .	6.0	38



#	ARTICLE	IF	CITATIONS
5070	A Fyn biosensor reveals pulsatile, spatially localized kinase activity and signaling crosstalk in live mammalian cells. <i>ELife</i> , 2020, 9, .	6.0	14
5071	<i>Biochemical Genetics.</i> , 2001, , 1473-1527.		0
5072	The Alanine-Scanning Mutagenesis of Dictyostelium Myosin II at the Ionic Interface with Actin. Results and Problems in Cell Differentiation, 2002, 36, 65-74.	0.7	0
5073	The cytoplasmic domain of Mpl receptor transduces exclusive signals in embryonic and fetal hematopoietic cells. <i>Blood</i> , 2002, 100, 2063-2070.	1.4	0
5074	The Proline Rule. , 2003, , .		0
5075	Overexpression of the get Gene Encoding 4-Î±-Glucanotransferase of a Hyperthermophilic Archaeon, <i>Thermococcus litoralis</i> . <i>Journal of Life Science</i> , 2004, 14, 435-440.	0.2	0
5077	Mutagenesis and Structural Analysis of <i>Thermoactinomyces vulgaris</i> R-47 .ALPHA.-Amylase II (TVA II). <i>Journal of Applied Glycoscience</i> (1999), 2005, 52, 225-231.	0.7	1
5078	Mechanism of Activation of the Human <i>trk</i> Oncogene. <i>Molecular and Cellular Biology</i> , 1989, 9, 15-23.	2.3	25
5079	Effect of Alterations of the ATG Translation Start Codon of the APRT Gene. <i>Advances in Experimental Medicine and Biology</i> , 1989, 253A, 475-480.	1.6	0
5080	CHARACTERIZATION OF A REGULATORY IDIOTOPE BY ANTIBODY ENGINEERING. , 1990, , 129-138.		0
5081	How Well is Cytochrome c Engineered?. , 1990, , 125-145.		1
5082	In Vitro Analysis of Promoter Elements Regulating Transcription of the Phosphoenolpyruvate Carboxykinase (GTP) Gene. <i>Molecular and Cellular Biology</i> , 1990, 10, 480-485.	2.3	16
5083	Genetic and Biochemical Evaluation of Eucaryotic Membrane Protein Topology: Multiple Transmembrane Domains of <i>Saccharomyces cerevisiae</i> 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase. <i>Molecular and Cellular Biology</i> , 1990, 10, 672-680.	2.3	38
5084	A Directly Repeated Sequence in the Î²-Globin Promoter Regulates Transcription in Murine Erythroleukemia Cells. <i>Molecular and Cellular Biology</i> , 1990, 10, 972-981.	2.3	26
5085	Efficient Site-Specific Cleavage by RNase MRP Requires Interaction with Two Evolutionarily Conserved Mitochondrial RNA Sequences. <i>Molecular and Cellular Biology</i> , 1990, 10, 2191-2201.	2.3	21
5086	Activation of the proto-oncogene p60c-src by point mutations in the SH2 domain. <i>Molecular and Cellular Biology</i> , 1990, 10, 2855-2862.	2.3	57
5087	Structural determinants of the noncatalytic chain of tissue-type plasminogen activator that modulate its association rate with plasminogen activator inhibitor-1.. <i>Journal of Biological Chemistry</i> , 1990, 265, 10473-10478.	3.4	12
5088	The Permissive Role of Glucocorticoids on Interleukin-1 Stimulation of Angiotensinogen Gene Transcription Is Mediated by an Interaction between Inducible Enhancers. <i>Molecular and Cellular Biology</i> , 1990, 10, 4389-4395.	2.3	28

#	ARTICLE	IF	CITATIONS
5089	trans activation of human alcohol dehydrogenase gene expression in hepatoma cells by C/EBP molecules bound in a novel arrangement just 5' and 3' to the TATA box. Molecular and Cellular Biology, 1990, 10, 5007-5010.	2.3	13
5090	The C6 Zinc Finger and Adjacent Amino Acids Determine DNA-Binding Specificity and Affinity in the Yeast Activator Proteins LAC9 and PPR1. Molecular and Cellular Biology, 1990, 10, 5128-5137.	2.3	18
5091	Fine-Structure Mutational Analysis of a Stage- and Tissue-Specific Promoter Element of the <i>Drosophila</i> Glue Gene <i>Sgs-3</i> . Molecular and Cellular Biology, 1990, 10, 5991-6002.	2.3	12
5092	The K-fgf/hst oncogene induces transformation through an autocrine mechanism that requires extracellular stimulation of the mitogenic pathway. Molecular and Cellular Biology, 1991, 11, 1138-1145.	2.3	18
5093	Analysis of the significance of two single-base-pair differences in the SL3-3 and Akv virus long terminal repeats. Journal of Virology, 1991, 65, 1019-1022.	3.4	7
5094	UHF-1, a Factor Required for Maximal Transcription of Early and Late Sea Urchin Histone H4 Genes: Analysis of Promoter-Binding Sites. Molecular and Cellular Biology, 1991, 11, 1048-1061.	2.3	7
5095	Further analysis of the sequence of the S1 subunit of pertussis toxin. Infection and Immunity, 1991, 59, 1177-1179.	2.2	1
5096	Retinoic Acid Response Element in the Human Alcohol Dehydrogenase Gene <i>ADH3</i> : Implications for Regulation of Retinoic Acid Synthesis. Molecular and Cellular Biology, 1991, 11, 1638-1646.	2.3	45
5097	Biosynthesis of Human Fibroblast Growth Factor-5. Molecular and Cellular Biology, 1991, 11, 1840-1845.	2.3	23
5098	Modular Recognition of 5-Base-Pair DNA Sequence Motifs by Human Heat Shock Transcription Factor. Molecular and Cellular Biology, 1991, 11, 3504-3514.	2.3	16
5099	Exon Recognition and Nucleocytoplasmic Partitioning Determine <i>AMPD1</i> Alternative Transcript Production. Molecular and Cellular Biology, 1991, 11, 5356-5363.	2.3	7
5100	Site-Directed Mutagenesis to Probe the Role of the D2 Protein in Photosystem II. , 1992, , 567-574.		0
5101	A single nucleotide change within a plant virus satellite RNA alters the host specificity of disease induction. Plant Journal, 1992, 2, 43-49.	5.7	0
5102	Resolution and Characterization of Polymorphic DNA by SSCP and Chemical Cleavage Methodologies. Journal of Radiation Research, 1992, 33, 95-108.	1.6	2
5103	Temporal Expression of the Human Alcohol Dehydrogenase Gene Family during Liver Development Correlates with Differential Promoter Activation by Hepatocyte Nuclear Factor 1, CCAAT/Enhancer-Binding Protein $\beta$ , Liver Activator Protein, and D-Element-Binding Protein. Molecular and Cellular Biology, 1992, 12, 3023-3031.	2.3	16
5104	Repression and Activation of the <i>Drosophila</i> Dopa Decarboxylase Gene in Glia. Molecular and Cellular Biology, 1992, 12, 5659-5666.	2.3	6
5105	Activation of the HLA-DRA Gene in Primary Human T Lymphocytes: Novel Usage of TATA and the X and Y Promoter Elements. Molecular and Cellular Biology, 1992, 12, 5610-5619.	2.3	12
5106	Misreading of the <i>argI</i> message in <i>Escherichia coli</i> . FEMS Microbiology Letters, 1992, 100, 141-145.	1.8	1

#	ARTICLE	IF	CITATIONS
5107	Three-Dimensional Structure of the Human Retinoic Acid Receptor-Î² DNA Binding Domain: Implications for DNA-Binding. , 1993, , 153-168.		0
5108	Histidine Residues Involved in Heme Binding by Prostaglandin Endoperoxide Synthase. , 1993, , 55-57.		0
5109	Mutagenesis of Six Conserved Histidines in Human 5-Lipoxygenase, Effects on Enzyme Activity. , 1993, , 3-6.		0
5110	Polytene Chromosomes in Mutagenesis. Advances in Mutagenesis Research, 1993, , 115-149.	0.2	0
5111	Proto-Oncogene FosB: the Amino Terminus Encodes a Regulatory Function Required for Transformation. Molecular and Cellular Biology, 1993, 13, 2635-2643.	2.3	14
5112	Reversion of Autocrine Transformation by a Dominant Negative Platelet-Derived Growth Factor Mutant. Molecular and Cellular Biology, 1993, 13, 4066-4076.	2.3	15
5113	Elements Controlling Follicular Expression of the <i>36</i> Chorion Gene during <i>Drosophila</i> Oogenesis. Molecular and Cellular Biology, 1993, 13, 5898-5906.	2.3	9
5114	The essential mitotic target of calmodulin is the 110-kilodalton component of the spindle pole body in <i>Saccharomyces cerevisiae</i> . Molecular and Cellular Biology, 1993, 13, 7913-7924.	2.3	73
5115	Identifying and Characterizing the TATA Box Promoter Sequence Element in a Maize Nuclear Gene. , 1994, , 630-633.		0
5116	Engineering of Bovine Seminal Ribonuclease: Expression of the Secreted Recombinant Protein. Topics in Molecular Organization and Engineering, 1994, , 187-192.	0.1	0
5117	Mutational Analysis of ERCC3, Which Is Involved in DNA Repair and Transcription Initiation: Identification of Domains Essential for the DNA Repair Function. Molecular and Cellular Biology, 1994, 14, 4126-4134.	2.3	26
5118	Immortalization-Susceptible Elements and Their Binding Factors Mediate Rejuvenation of Regulation of the Type I Collagenase Gene in Simian Virus 40 Large T Antigen-Transformed Immortal Human Fibroblasts. Molecular and Cellular Biology, 1994, 14, 7182-7194.	2.3	8
5119	Involvement of JunD in Transcriptional Activation of the Orphan Receptor Gene <i>nur77</i> by Nerve Growth Factor and Membrane Depolarization in PC12 Cells. Molecular and Cellular Biology, 1994, 14, 7731-7743.	2.3	18
5120	psbA-2 Gene Expression in D1 Polypeptide Mutants of <i>Synechocystis</i> sp. PCC 6803. , 1995, , 2385-2388.		0
5121	Construction and Initial Characterisation of a D2-LEU205TYR Mutant of <i>Chlamydomonas Reinhardtii</i> . , 1995, , 839-842.		0
5122	Regulation of Myosin Light Chain Kinase Activity in Smooth Muscle. , 1995, , 139-158.		2
5124	In Vitro Mutagenesis. , 1996, , 155-179.		0
5125	Altered Domain Closure and Iron Binding in Lactoferrin Mutants. , 1997, , 25-38.		0

#	ARTICLE	IF	CITATIONS
5126	Expression and Functional Characterization of an Abnormal Platelet Membrane Glycoprotein Ib/IX (Met239 → Val) Reported in Patients With Platelet-Type von Willebrand Disease. <i>Blood</i> , 1997, 90, 698-705.	1.4	1
5127	Site-directed mutagenesis of the cytochrome subunit in the photosynthetic reaction center from <i>Rps. viridis</i> . , 1998, , 905-908.		0
5128	Mutagenesis and characterization of specific residues in fatty acid ethyl ester synthase: A gene for alcohol-induced cardiomyopathy. , 1998, , 111-115.		0
5129	The role of A1583 in the mRNA target of the ribosomal protein L10 is critical for the autogenous control of the <i>Escherichia coli</i> rplJ gene expression. <i>Biopolymers and Cell</i> , 1999, 15, 442-444.	0.4	0
5132	The function of Spt3, a subunit of the SAGA complex, in <i>PGK1</i> transcription is restored only partially when reintroduced by plasmid into <i>taf1 spt3</i> double mutant yeast strains. <i>Genes and Genetic Systems</i> , 2020, 95, 151-163.	0.7	1
5134	GTP Hydrolysis by HypB is Essential for Nickel Insertion into Hydrogenases of <i>Escherichia Coli</i> . <i>FEBS Journal</i> , 1995, 230, 133-138.	0.2	2
5135	Mutations at the C-Terminal Isoleucine and Other Potential Iron Ligands of 5-Lipoxygenase. <i>FEBS Journal</i> , 1995, 230, 401-407.	0.2	0
5136	High-level Production, Chemical Modification and Site-directed Mutagenesis of a Cephalosporin C Acylase from <i>Pseudomonas</i> Strain N176. <i>FEBS Journal</i> , 1995, 230, 773-778.	0.2	0
5137	Inter-Species DNA Polymerase delta Chimeras are Functional in <i>Saccharomyces Cerevisiae</i> . <i>FEBS Journal</i> , 1995, 231, 45-49.	0.2	0
5138	Structure and Function of Mutant Arg44Lys of 4-Hydroxybenzoate Hydroxylase. Implications for NADPH Binding. <i>FEBS Journal</i> , 1995, 231, 157-165.	0.2	0
5139	Competition between neighboring topogenic signals during membrane protein insertion into the ER. <i>FEBS Journal</i> , 2005, 272, 28-36.	4.7	12
5216	Photosystem II peripheral accessory chlorophyll mutants in <i>Chlamydomonas reinhardtii</i> . <i>Biochemical characterization and sensitivity to photo-inhibition</i> . <i>Plant Physiology</i> , 2001, 127, 633-44.	4.8	9
5471	Functionality and specific membrane localization of transport GTPases carrying C-terminal membrane anchors of synaptobrevin-like proteins. <i>EMBO Journal</i> , 1995, 14, 3645-53.	7.8	16
5472	Crystal structure of the phosphatidylinositol-specific phospholipase C from <i>Bacillus cereus</i> in complex with myo-inositol. <i>EMBO Journal</i> , 1995, 14, 3855-63.	7.8	45
5473	The PMR2 gene cluster encodes functionally distinct isoforms of a putative Na <sup>+</sup> pump in the yeast plasma membrane. <i>EMBO Journal</i> , 1995, 14, 3870-82.	7.8	83
5474	Membrane insertion of the bacterial signal transduction protein ToxR and requirements of transcription activation studied by modular replacement of different protein substructures. <i>EMBO Journal</i> , 1995, 14, 3895-904.	7.8	28
5475	Functional analysis of the chromo domain of HP1. <i>EMBO Journal</i> , 1995, 14, 3977-86.	7.8	119
5476	Insulin stimulates the kinase activity of RAC-PK, a pleckstrin homology domain containing ser/thr kinase. <i>EMBO Journal</i> , 1995, 14, 4288-95.	7.8	91

#	ARTICLE	IF	CITATIONS
5477	Transducin-alpha C-terminal mutations prevent activation by rhodopsin: a new assay using recombinant proteins expressed in cultured cells. EMBO Journal, 1995, 14, 4460-9.	7.8	23
5478	Protein ligands of the human adenovirus type 2 outer capsid identified by biopanning of a phage-displayed peptide library on separate domains of wild-type and mutant penton capsomers. EMBO Journal, 1995, 14, 4714-27.	7.8	36
5479	Tyrosine 114 is essential for the trimeric structure and the functional activities of human proliferating cell nuclear antigen. EMBO Journal, 1995, 14, 5745-51.	7.8	29
5480	Fission yeast rad17: a homologue of budding yeast RAD24 that shares regions of sequence similarity with DNA polymerase accessory proteins. EMBO Journal, 1995, 14, 5812-23.	7.8	89
5481	Poly(A) site selection in the yeast Ty retroelement requires an upstream region and sequence-specific titratable factor(s) in vitro. EMBO Journal, 1994, 13, 446-52.	7.8	16
5482	Mutational analysis of the [4Fe-4S]-cluster converting iron regulatory factor from its RNA-binding form to cytoplasmic aconitase. EMBO Journal, 1994, 13, 453-61.	7.8	46
5483	A dominant negative mutation in the conserved RNA helicase motif 'SAT' causes splicing factor PRP2 to stall in spliceosomes. EMBO Journal, 1994, 13, 879-87.	7.8	66
5484	Mutations in eukaryotic 18S ribosomal RNA affect translational fidelity and resistance to aminoglycoside antibiotics. EMBO Journal, 1994, 13, 906-13.	7.8	74
5485	The assembly of cytochrome b6/f complexes: an approach using genetic transformation of the green alga Chlamydomonas reinhardtii. EMBO Journal, 1994, 13, 1019-27.	7.8	94
5486	Distinct functions of capsid protein in assembly and movement of tobacco etch potyvirus in plants. EMBO Journal, 1994, 13, 1482-91.	7.8	110
5487	Neuronal differentiation signals are controlled by nerve growth factor receptor/Trk binding sites for SHC and PLC gamma. EMBO Journal, 1994, 13, 1585-90.	7.8	84
5488	Role of phospholipase C in Dictyostelium: formation of inositol 1,4,5-trisphosphate and normal development in cells lacking phospholipase C activity. EMBO Journal, 1994, 13, 1601-9.	7.8	46
5489	Correction of xeroderma pigmentosum repair defect by basal transcription factor BTF2 (TFIIH). EMBO Journal, 1994, 13, 1645-53.	7.8	41
5490	A conserved secondary structural motif in 23S rRNA defines the site of interaction of amicitin, a universal inhibitor of peptide bond formation. EMBO Journal, 1994, 13, 1682-6.	7.8	19
5491	The Escherichia coli dsbC (xprA) gene encodes a periplasmic protein involved in disulfide bond formation. EMBO Journal, 1994, 13, 2013-20.	7.8	81
5492	A C-terminal domain conserved in precursor processing proteases is required for intramolecular N-terminal maturation of pro-Kex2 protease. EMBO Journal, 1994, 13, 2280-8.	7.8	27
5493	The site of 3' end formation of histone messenger RNA is a fixed distance from the downstream element recognized by the U7 snRNP. EMBO Journal, 1994, 13, 2432-40.	7.8	41
5494	A short element required for turning off heat shock transcription factor: evidence that phosphorylation enhances deactivation. EMBO Journal, 1994, 13, 2617-24.	7.8	43

#	ARTICLE	IF	CITATIONS
5495	Two major tertiary folding transitions of the Tetrahymena catalytic RNA. EMBO Journal, 1994, 13, 2669-76.	7.8	25
5496	Molecular characterization of SIG1, a <i>Saccharomyces cerevisiae</i> gene involved in negative regulation of G-protein-mediated signal transduction. EMBO Journal, 1994, 13, 3050-64.	7.8	11
5497	An E box in the desmin promoter cooperates with the E box and MEF-2 sites of a distal enhancer to direct muscle-specific transcription. EMBO Journal, 1994, 13, 3580-9.	7.8	32
5498	Molecular characterization of a family of ligands for eph-related tyrosine kinase receptors. EMBO Journal, 1994, 13, 3757-62.	7.8	38
5499	The <i>Aspergillus nidulans</i> CREA protein mediates glucose repression of the ethanol regulon at various levels through competition with the ALCR-specific transactivator. EMBO Journal, 1994, 13, 4022-7.	7.8	48
5500	A tyrosine-based motif in the cytoplasmic domain of the alphavirus envelope protein is essential for budding. EMBO Journal, 1994, 13, 4204-11.	7.8	96
5501	Active site of the replication protein of the rolling circle plasmid pC194. EMBO Journal, 1994, 13, 4412-20.	7.8	30
5502	CRP induces the repositioning of MalT at the <i>Escherichia coli</i> malKp promoter primarily through DNA bending. EMBO Journal, 1994, 13, 4558-67.	7.8	27
5503	Intron-dependent formation of pseudouridines in the anticodon of <i>Saccharomyces cerevisiae</i> minor tRNA(Ile). EMBO Journal, 1994, 13, 4636-44.	7.8	34
5504	p40MO15 associates with a p36 subunit and requires both nuclear translocation and Thr176 phosphorylation to generate cdk-activating kinase activity in <i>Xenopus</i> oocytes. EMBO Journal, 1994, 13, 5155-64.	7.8	30
5505	Yeast Skn7p functions in a eukaryotic two-component regulatory pathway. EMBO Journal, 1994, 13, 5186-94.	7.8	82
5506	An acute myeloid leukemia gene, AML1, regulates hemopoietic myeloid cell differentiation and transcriptional activation antagonistically by two alternative spliced forms. EMBO Journal, 1995, 14, 341-50.	7.8	68
5507	A mutation in the C31 subunit of <i>Saccharomyces cerevisiae</i> RNA polymerase III affects transcription initiation. EMBO Journal, 1995, 14, 351-9.	7.8	48
5508	Aphid transmission of beet western yellows luteovirus requires the minor capsid read-through protein P74. EMBO Journal, 1995, 14, 650-9.	7.8	86
5509	Ecdysone regulation of the <i>Drosophila</i> Sgs-4 gene is mediated by the synergistic action of ecdysone receptor and SEBP 3. EMBO Journal, 1995, 14, 716-26.	7.8	22
5510	Multimerization and transcriptional activation of the phosphoprotein (P) of vesicular stomatitis virus by casein kinase-II. EMBO Journal, 1995, 14, 1240-7.	7.8	55
5511	A change in gating mode leading to increased intrinsic Cl <sup>-</sup> channel activity compensates for defective processing in a cystic fibrosis mutant corresponding to a mild form of the disease. EMBO Journal, 1995, 14, 2417-23.	7.8	13
5512	Involvement of the MAP kinase cascade in <i>Xenopus</i> mesoderm induction. EMBO Journal, 1995, 14, 2491-8.	7.8	38



#	ARTICLE	IF	CITATIONS
5513	Macromolecular recognition through electrostatic repulsion. EMBO Journal, 1995, 14, 2945-50.	7.8	4
5514	The unique insert of cellular and viral fms protein tyrosine kinase domains is dispensable for enzymatic and transforming activities. EMBO Journal, 1989, 8, 2029-37.	7.8	35
5515	tRNA-like structures and gene regulation at the translational level: a case of molecular mimicry in Escherichia coli. EMBO Journal, 1989, 8, 2417-24.	7.8	29
5516	Dual translational initiation sites control function of the lambda S gene. EMBO Journal, 1989, 8, 3501-10.	7.8	47
5517	Modification of nuclear lamin proteins by a mevalonic acid derivative occurs in reticulocyte lysates and requires the cysteine residue of the C-terminal CXXM motif. EMBO Journal, 1989, 8, 4007-13.	7.8	68
5518	Origin recognition specificity in pT181 plasmids is determined by a functionally asymmetric palindromic DNA element. EMBO Journal, 1993, 12, 45-52.	7.8	24
5519	An ATP transporter is required for protein translocation into the yeast endoplasmic reticulum. EMBO Journal, 1993, 12, 659-66.	7.8	25
5520	cDNA cloning of MAP kinase kinase reveals kinase cascade pathways in yeasts to vertebrates. EMBO Journal, 1993, 12, 787-94.	7.8	62
5521	The low abundance of U7 snRNA is partly determined by its Sm binding site. EMBO Journal, 1993, 12, 1229-38.	7.8	49
5522	Protein-protein interactions directing resolvase site-specific recombination: a structure-function analysis. EMBO Journal, 1993, 12, 1447-58.	7.8	18
5523	The SH2/SH3 domain-containing protein GRB2 interacts with tyrosine-phosphorylated IRS1 and Shc: implications for insulin control of ras signalling. EMBO Journal, 1993, 12, 1929-36.	7.8	216
5524	Mutational analysis of the human KDEL receptor: distinct structural requirements for Golgi retention, ligand binding and retrograde transport. EMBO Journal, 1993, 12, 2821-9.	7.8	53
5525	Properties of bacteriorhodopsin derivatives constructed by insertion of an exogenous epitope into extra-membrane loops. EMBO Journal, 1993, 12, 3399-408.	7.8	3
5526	Charged amino acids required for signal transduction by the m3 muscarinic acetylcholine receptor. EMBO Journal, 1993, 12, 3809-15.	7.8	9
5527	A critical role for heat shock transcription factor in establishing a nucleosome-free region over the TATA-initiation site of the yeast HSP82 heat shock gene. EMBO Journal, 1993, 12, 3931-45.	7.8	42
5528	Synthesis of staphylococcal virulence factors is controlled by a regulatory RNA molecule. EMBO Journal, 1993, 12, 3967-75.	7.8	507
5529	DNA and redox state induced conformational changes in the DNA-binding domain of the Myb oncoprotein. EMBO Journal, 1993, 12, 4625-33.	7.8	40
5530	The C-terminal helix in subdomain 4 of the regulatory light chain is essential for myosin regulation. EMBO Journal, 1993, 12, 4877-84.	7.8	8

#	ARTICLE	IF	CITATIONS
5531	A specific targeting domain in mature exotoxin A is required for its extracellular secretion from <i>Pseudomonas aeruginosa</i> . EMBO Journal, 1996, 15, 429-36.	7.8	20
5532	Mutations in the alpha-amanitin conserved domain of the largest subunit of yeast RNA polymerase III affect pausing, RNA cleavage and transcriptional transitions. EMBO Journal, 1996, 15, 618-29.	7.8	25
5533	Cleavage of sterol regulatory element binding proteins (SREBPs) by CPP32 during apoptosis. EMBO Journal, 1996, 15, 1012-20.	7.8	100
5534	Identification of a subdomain within DNA-(cytosine-C5)-methyltransferases responsible for the recognition of the 5' part of their DNA target. EMBO Journal, 1996, 15, 1443-50.	7.8	11
5535	A splice hepadnavirus RNA that is essential for virus replication. EMBO Journal, 1996, 15, 2565-74.	7.8	32
5536	A long-range pseudoknot is required for activity of the <i>Neurospora</i> VS ribozyme. EMBO Journal, 1996, 15, 2820-5.	7.8	58
5537	Oligomerization and phosphorylation of the Ire1p kinase during intracellular signaling from the endoplasmic reticulum to the nucleus. EMBO Journal, 1996, 15, 3028-39.	7.8	263
5538	Transcriptional pulse-chase analysis reveals a role for a novel snRNP-associated protein in the manufacture of spliceosomal snRNPs. EMBO Journal, 1996, 15, 4368-79.	7.8	30
5539	A long-range RNA-RNA interaction forms a pseudoknot required for translational control of the IF3-L35-L20 ribosomal protein operon in <i>Escherichia coli</i> . EMBO Journal, 1996, 15, 4402-13.	7.8	11
5540	Spc110p: assembly properties and role in the connection of nuclear microtubules to the yeast spindle pole body. EMBO Journal, 1996, 15, 4592-602.	7.8	46
5541	Downstream box-anti-downstream box interactions are dispensable for translation initiation of leaderless mRNAs. EMBO Journal, 1996, 15, 4740-8.	7.8	22
5542	The fork head product directly specifies the tissue-specific hormone responsiveness of the <i>Drosophila</i> Sgs-4 gene. EMBO Journal, 1996, 15, 4825-34.	7.8	25
5543	Hoxb-2 transcriptional activation in rhombomeres 3 and 5 requires an evolutionarily conserved cis-acting element in addition to the Krox-20 binding site. EMBO Journal, 1996, 15, 5383-96.	7.8	17
5544	Counteracting the mutagenic effect of hydrolytic deamination of DNA 5-methylcytosine residues at high temperature: DNA mismatch N-glycosylase Mig.Mth of the thermophilic archaeon <i>Methanobacterium thermoautotrophicum</i> THF. EMBO Journal, 1996, 15, 5459-69.	7.8	35
5545	The expression of <i>E.coli</i> threonyl-tRNA synthetase is regulated at the translational level by symmetrical operator-repressor interactions. EMBO Journal, 1996, 15, 5976-87.	7.8	17
5546	Ligand interactions with eukaryotic translation initiation factor 2: role of the gamma-subunit. EMBO Journal, 1996, 15, 6311-20.	7.8	49
5547	The Exocyst is a multiprotein complex required for exocytosis in <i>Saccharomyces cerevisiae</i> . EMBO Journal, 1996, 15, 6483-94.	7.8	404
5548	Identification and characterization of HslV HslU (ClpQ ClpY) proteins involved in overall proteolysis of misfolded proteins in <i>Escherichia coli</i> . EMBO Journal, 1996, 15, 6899-909.	7.8	63

#	ARTICLE	IF	CITATIONS
5549	Mutational analysis of VAMP domains implicated in Ca <sup>2+</sup> -induced insulin exocytosis. EMBO Journal, 1996, 15, 6951-9.	7.8	40
5550	The 3'-5' exonuclease of DNA polymerase I of Escherichia coli: contribution of each amino acid at the active site to the reaction. EMBO Journal, 1991, 10, 17-24.	7.8	91
5551	A conserved heptapeptide restrains the activity of the yeast heat shock transcription factor. EMBO Journal, 1991, 10, 369-75.	7.8	74
5552	Distinct cis-acting signals enhance 3' endpoint formation of CYC1 mRNA in the yeast Saccharomyces cerevisiae. EMBO Journal, 1991, 10, 563-71.	7.8	81
5553	An upstream XylR- and IHF-induced nucleoprotein complex regulates the sigma 54-dependent Pu promoter of TOL plasmid. EMBO Journal, 1991, 10, 1159-67.	7.8	68
5554	Structure-function analysis of interleukin-5 utilizing mouse/human chimeric molecules. EMBO Journal, 1991, 10, 1193-9.	7.8	16
5555	Disassembly of in vitro formed lamin head-to-tail polymers by CDC2 kinase. EMBO Journal, 1991, 10, 1535-44.	7.8	53
5556	Site directed mutagenesis of the heme axial ligands of cytochrome b559 affects the stability of the photosystem II complex. EMBO Journal, 1991, 10, 1619-27.	7.8	30
5557	The 3' to 5' exonuclease activity located in the DNA polymerase delta subunit of Saccharomyces cerevisiae is required for accurate replication. EMBO Journal, 1991, 10, 2165-70.	7.8	113
5558	An intact Box C sequence in the U3 snRNA is required for binding of fibrillarin, the protein common to the major family of nucleolar snRNPs. EMBO Journal, 1991, 10, 2645-51.	7.8	88
5559	cdc2 phosphorylation is required for its interaction with cyclin. EMBO Journal, 1991, 10, 3311-9.	7.8	145
5560	Anatomy of the parp gene promoter of Trypanosoma brucei. EMBO Journal, 1991, 10, 3379-86.	7.8	46
5561	RNA polymerase I can mediate expression of CAT and neo protein-coding genes in Trypanosoma brucei. EMBO Journal, 1991, 10, 3387-97.	7.8	49
5562	Sequence-independent RNA cleavages generate the primers for plus strand DNA synthesis in hepatitis B viruses: implications for other reverse transcribing elements. EMBO Journal, 1991, 10, 3533-40.	7.8	80
5563	Intramolecular base pairing between the nematode spliced leader and its 5' splice site is not essential for trans-splicing in vitro. EMBO Journal, 1991, 10, 3869-75.	7.8	14
5564	The surface-exposed tyrosine residue Tyr83 of pea plastocyanin is involved in both binding and electron transfer reactions with cytochrome f. EMBO Journal, 1991, 10, 4011-6.	7.8	31
5565	A genetic and structural analysis of the yeast Vps15 protein kinase: evidence for a direct role of Vps15p in vacuolar protein delivery. EMBO Journal, 1991, 10, 4049-60.	7.8	45
5566	The amino-terminal helix of GM-CSF and IL-5 governs high affinity binding to their receptors. EMBO Journal, 1991, 10, 4105-12.	7.8	24

#	ARTICLE	IF	CITATIONS
5567	Two PDGF-B chain residues, arginine 27 and isoleucine 30, mediate receptor binding and activation. EMBO Journal, 1991, 10, 4113-20.	7.8	18
5568	Amino acids determining operator binding specificity in the helix-turn-helix motif of Tn10 Tet repressor. EMBO Journal, 1991, 10, 4145-52.	7.8	24
5569	The MinD protein is a membrane ATPase required for the correct placement of the Escherichia coli division site. EMBO Journal, 1991, 10, 4371-80.	7.8	144
5570	Mutations affecting primer RNA interaction with the replication repressor RNA I in plasmid ColE1: potential RNA folding pathway mutants. EMBO Journal, 1990, 9, 295-304.	7.8	7
5571	The lethal lambda S gene encodes its own inhibitor. EMBO Journal, 1990, 9, 981-9.	7.8	48
5572	Structure-function studies of nerve growth factor: functional importance of highly conserved amino acid residues. EMBO Journal, 1990, 9, 1477-83.	7.8	17
5573	Transcription of a nematode trans-spliced leader RNA requires internal elements for both initiation and 3' end-formation. EMBO Journal, 1990, 9, 1915-21.	7.8	17
5574	The nematode spliced leader RNA participates in trans-splicing as an Sm snRNP. EMBO Journal, 1990, 9, 3667-73.	7.8	19
5575	The Xenopus laevis poly(A) binding protein is composed of multiple functionally independent RNA binding domains. EMBO Journal, 1990, 9, 3699-705.	7.8	73
5576	Fatty acids on the A/Japan/305/57 influenza virus hemagglutinin have a role in membrane fusion. EMBO Journal, 1990, 9, 3857-66.	7.8	58
5577	A family of constitutive C/EBP-like DNA binding proteins attenuate the IL-1 alpha induced, NF kappa B mediated trans-activation of the angiotensinogen gene acute-phase response element. EMBO Journal, 1990, 9, 3933-44.	7.8	71
5578	Identification of a region in segment 1 of gelsolin critical for actin binding. EMBO Journal, 1990, 9, 4103-9.	7.8	69
5579	Distinct sequence elements control the specificity of G protein activation by muscarinic acetylcholine receptor subtypes. EMBO Journal, 1990, 9, 4381-90.	7.8	45
5580	Identification of essential elements in U14 RNA of Saccharomyces cerevisiae. EMBO Journal, 1990, 9, 4503-9.	7.8	41
5581	Regulation of a yeast HSP70 gene by a cAMP responsive transcriptional control element. EMBO Journal, 1990, 9, 2543-53.	7.8	47
5582	Unexpected flexibility in an evolutionarily conserved protein-RNA interaction: genetic analysis of the Sm binding site. EMBO Journal, 1990, 9, 2555-61.	7.8	54
5583	Coordinate genetic control of yeast fatty acid synthase genes FAS1 and FAS2 by an upstream activation site common to genes involved in membrane lipid biosynthesis. EMBO Journal, 1992, 11, 107-14.	7.8	56
5584	A subdomain in the transmembrane domain is necessary for p185neu* activation. EMBO Journal, 1992, 11, 923-32.	7.8	30

#	ARTICLE	IF	CITATIONS
5585	Non-glycosylated recombinant pro-concanavalin A is active without polypeptide cleavage. EMBO Journal, 1992, 11, 1303-7.	7.8	18
5586	Human p68 kinase exhibits growth suppression in yeast and homology to the translational regulator GCN2. EMBO Journal, 1992, 11, 1553-62.	7.8	143
5587	Intramolecular relationships in cholinesterases revealed by oocyte expression of site-directed and natural variants of human BCHE. EMBO Journal, 1992, 11, 1641-9.	7.8	12
5588	Identification of three adjacent amino acids of interleukin-2 receptor beta chain which control the affinity and the specificity of the interaction with interleukin-2. EMBO Journal, 1992, 11, 2047-53.	7.8	6
5589	Structure-function analysis of hepatocyte growth factor: identification of variants that lack mitogenic activity yet retain high affinity receptor binding. EMBO Journal, 1992, 11, 2503-10.	7.8	88
5590	Critical cytoplasmic domains of the common beta subunit of the human GM-CSF, IL-3 and IL-5 receptors for growth signal transduction and tyrosine phosphorylation. EMBO Journal, 1992, 11, 3541-9.	7.8	96
5591	An autoregulatory element of the murine Hox-4.2 gene. EMBO Journal, 1992, 11, 3673-80.	7.8	43
5592	Coding from a distance: dissection of the mRNA determinants required for the incorporation of selenocysteine into protein. EMBO Journal, 1992, 11, 3759-66.	7.8	72
5593	Characterization of the bacteriophage lambda excisionase (Xis) protein: the C-terminus is required for Xis-integrase cooperativity but not for DNA binding. EMBO Journal, 1992, 11, 3797-806.	7.8	33
5594	X-ray structure of nucleoside diphosphate kinase. EMBO Journal, 1992, 11, 3203-8.	7.8	49
5595	Site-directed mutagenesis at the Exo III motif of phi 29 DNA polymerase; overlapping structural domains for the 3'-5' exonuclease and strand-displacement activities. EMBO Journal, 1992, 11, 4227-37.	7.8	30
5596	Chimeric myosin regulatory light chains identify the subdomain responsible for regulatory function. EMBO Journal, 1992, 11, 4715-22.	7.8	11
5597	Dominant-negative mutants of a yeast G-protein beta subunit identify two functional regions involved in pheromone signalling. EMBO Journal, 1992, 11, 4805-13.	7.8	40
5598	High plasticity of multispecific DNA methyltransferases in the region carrying DNA target recognizing enzyme modules. EMBO Journal, 1992, 11, 4445-50.	7.8	14
5599	Domain organization of penicillin-binding protein 5 from Escherichia coli analysed by C-terminal truncation. Biochemical Journal, 1993, 289 ( Pt 2), 593-8.	3.7	3
5619	Dual coupling of the alpha-thrombin receptor to signal-transduction pathways involving phosphatidylinositol and phosphatidylcholine metabolism. Biochemical Journal, 1999, 337 ( Pt 1), 97-104.	3.7	1
5620	Alteration of substrate specificity by a naturally-occurring aldolase B mutation (Ala337->Val) in fructose intolerance. Biochemical Journal, 1999, 340 ( Pt 1), 321-7.	3.7	4
5621	Characterization of the membrane quinoprotein glucose dehydrogenase from Escherichia coli and characterization of a site-directed mutant in which histidine-262 has been changed to tyrosine. Biochemical Journal, 1999, 340 ( Pt 3), 639-47.	3.7	8

#	ARTICLE	IF	CITATIONS
5622	alpha3beta3gamma complex of F1-ATPase from thermophilic Bacillus PS3 can maintain steady-state ATP hydrolysis activity depending on the number of non-catalytic sites. Biochemical Journal, 1999, 343 Pt 1, 135-8.	3.7	7
5623	Evidence that pyruvate dehydrogenase kinase belongs to the ATPase/kinase superfamily. Biochemical Journal, 1999, 344 Pt 1, 47-53.	3.7	16
5624	Functional and conformational characterization of new mutants of heart fatty acid-binding protein. Biochemical Journal, 1999, 344 Pt 2, 495-501.	3.7	9
5625	Fine mapping of inhibitory anti-alpha5 monoclonal antibody epitopes that differentially affect integrin-ligand binding. Biochemical Journal, 1999, 344 Pt 2, 527-33.	3.7	21
5626	Transcription from the P2 promoter of the growth hormone receptor gene involves members of the Sp transcription factor family. Biochemical Journal, 1999, 344 Pt 3, 867-72.	3.7	3
5627	Evidence that serine 304 is not a key ligand-binding residue in the active site of cytochrome P450 2D6. Biochemical Journal, 2000, 345 Pt 3, 565-71.	3.7	3
5628	Conversion of Escherichia coli pyruvate oxidase to an 'alpha-ketobutyrate oxidase'. Biochemical Journal, 2000, 352 Pt 3, 717-24.	3.7	4
5629	Escherichia coli engineered to synthesize isopentenyl diphosphate and dimethylallyl diphosphate from mevalonate: a novel system for the genetic analysis of the 2-C-methyl-d-erythritol 4-phosphate pathway for isoprenoid biosynthesis. Biochemical Journal, 2001, 353, 59-67.	3.7	34
5630	Evidence that the decay of nucleus-associated nonsense mRNA for human triosephosphate isomerase involves nonsense codon recognition after splicing. Rna, 1996, 2, 235-43.	3.5	28
5645	RNA structural patterns and splicing: molecular basis for an RNA-based enhancer. Rna, 1995, 1, 425-36.	3.5	44
5646	The conformation of 23S rRNA nucleotide A2058 determines its recognition by the ErmE methyltransferase. Rna, 1995, 1, 501-9.	3.5	17
5647	Molecular analysis of Hurler syndrome in Druze and Muslim Arab patients in Israel: multiple allelic mutations of the IDUA gene in a small geographic area. American Journal of Human Genetics, 1993, 53, 330-8.	6.2	67
5648	Tay-Sachs disease in Moroccan Jews: deletion of a phenylalanine in the alpha-subunit of beta-hexosaminidase. American Journal of Human Genetics, 1991, 48, 412-9.	6.2	25
5649	A third mutation at the CpG dinucleotide of codon 504 and a silent mutation at codon 506 of the HEX A gene. American Journal of Human Genetics, 1991, 48, 1139-46.	6.2	27
5650	Construction of a novel bifunctional biogenic amine receptor by two point mutations of the H2-histamine receptor. Molecular Medicine, 1995, 1, 280-6.	4.4	0
5651	High-throughput sample preparation for protein or peptide structural characterization. Journal of Biomolecular Techniques, 1999, 10, 21-40.	1.5	0
5652	A molecular mechanism for autoinhibition of myosin light chain kinases. Journal of Biological Chemistry, 1993, 268, 26578-82.	3.4	45
5657	Role of Saccharomyces cerevisiae Rap1 protein in Ty1 and Ty1-mediated transcription. Gene Expression, 1993, 3, 237-51.	1.2	16



#	ARTICLE	IF	CITATIONS
5659	Mutagenesis and characterization of specific residues in fatty acid ethyl ester synthase: a gene for alcohol-induced cardiomyopathy. <i>Molecular and Cellular Biochemistry</i> , 1998, 180, 111-5.	3.1	1
5660	Fragment-Directed Random Mutagenesis by the Reverse Kunkel Method. <i>ACS Synthetic Biology</i> , 2022, , .	3.8	1
5662	Site-Directed Mutagenesis Using a Uracil-Containing Phagemid Template. , 0, , 827-833.		0
5664	Detection of antagonistic cellular regulatory functions by the gene-gene interference method in yeast. <i>Current Genetics</i> , 1996, 29, 114-121.	1.7	0
5665	The 3-phosphoglycerate kinase gene of the yeast <i>Yarrowia lipolytica</i> de-represses on gluconeogenic substrates. <i>Current Genetics</i> , 1996, 29, 446-456.	1.7	1
5666	Mitosis-specific phosphorylation of gar2, a fission yeast nucleolar protein structurally related to nucleolin. <i>Chromosoma</i> , 1997, 105, 532-541.	2.2	1
5667	Ultrastructural changes in the <i>Schizosaccharomyces pombe</i> nucleolus following the disruption of the gar2 + gene, which encodes a nucleolar protein structurally related to nucleolin. <i>Chromosoma</i> , 1997, 105, 542-552.	2.2	0
5668	The effect of water activity on the association constant and the enthalpy of reaction between lysozyme and the specific antibodies D1.3 and D44.1. <i>Journal of Molecular Recognition</i> , 1996, 9, 6-12.	2.1	12
5669	High level expression in <i>Escherichia coli</i> of a fungal gene under the control of strong promoters. <i>FEMS Microbiology Letters</i> , 1990, 68, 45-51.	1.8	1
5670	Charge-Sensitive Optical Detection of Binding Kinetics between Phage-Displayed Peptide Ligands and Protein Targets. <i>Biosensors</i> , 2022, 12, 394.	4.7	0
5671	Generation of synthetic antibody fragments with optimal complementarity determining region lengths for Notch-1 recognition. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
5672	Structural basis of interleukin-17B receptor in complex with a neutralizing antibody for guiding humanization and affinity maturation. <i>Cell Reports</i> , 2022, 41, 111555.	6.4	1
5673	Involvement of adaptor protein, phosphotyrosine interacting with PH domain and leucine zipper 1 in diallyl trisulfide-induced cytotoxicity in hepatocellular carcinoma cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2022, 26, 457-468.	1.2	1
5674	Directed evolution identifies high-affinity cystine-knot peptide agonists and antagonists of Wnt/ $\beta$ -catenin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	7
5675	An efficient and cost-effective method for directed mutagenesis at multiple dispersed sites “a case study with Omicron Spike DNA. <i>Biology Methods and Protocols</i> , 0, , .	2.2	0
5676	T Cell Priming Enhances IL-4 Gene Expression by Increasing Nuclear Factor of Activated T Cells. <i>Journal of Immunology</i> , 1999, 162, 860-870.	0.8	42
5677	Analysis of BR96 Binding Sites for Antigen and Anti-Idiotypic by Codon-Based Scanning Mutagenesis. <i>Journal of Immunology</i> , 1998, 160, 2353-2359.	0.8	10
5678	Effect of Antigen-Processing Efficiency on In Vivo T Cell Response Magnitudes. <i>Journal of Immunology</i> , 1998, 160, 3971-3977.	0.8	51

#	ARTICLE	IF	CITATIONS
5679	Functional Characterization of the Somatic Hypermutation Process Leading to Antibody D1.3, a High Affinity Antibody Directed Against Lysozyme. <i>Journal of Immunology</i> , 1999, 162, 2129-2136.	0.8	35
5680	Polymerization of IgA and IgM: Roles of Cys309/Cys414 and the Secretory Tailpiece. <i>Journal of Immunology</i> , 1999, 162, 3448-3455.	0.8	46
5681	Determination of Residues Involved in Ligand Binding and Signal Transmission in the Human IFN- $\gamma$ Receptor 2. <i>Journal of Immunology</i> , 1999, 163, 766-773.	0.8	20
5682	Polarized Transport of MHC Class II Molecules in Madin-Darby Canine Kidney Cells Is Directed by a Leucine-Based Signal in the Cytoplasmic Tail of the $\beta$ -Chain. <i>Journal of Immunology</i> , 1999, 163, 2540-2548.	0.8	15
5683	Posttranscriptional Regulation of Acute Phase Serum Amyloid A2 Expression by the 5' and 3'-Untranslated Regions of Its mRNA. <i>Journal of Immunology</i> , 1999, 163, 4537-4545.	0.8	12
5684	In Vitro Site Directed Mutagenesis. <i>Methods in Molecular Biology</i> , 2023, , 87-95.	0.9	1
5685	Development of anti-aflatoxin B1 nanobodies from a novel mutagenesis-derived synthetic library for traditional Chinese medicine and foods safety testing. <i>Journal of Biological Engineering</i> , 2023, 17, .	4.7	3
5686	Specific base catalysis by yeast alcohol dehydrogenase I with substitutions of histidine-48 by glutamate or serine residues in the proton relay system. <i>Chemico-Biological Interactions</i> , 2023, 382, 110558.	4.0	0
5687	Construction of Synthetic Antibody Phage Display Libraries. <i>Methods in Molecular Biology</i> , 2023, , 59-75.	0.9	0
5688	Construction of an Ultra-Large Phage Display Library by Kunkel Mutagenesis and Rolling Circle Amplification. <i>Methods in Molecular Biology</i> , 2023, , 205-226.	0.9	0
5689	Molecular Properties of Recombinant Human $\alpha$ 1-Antitrypsin Produced in <i>Escherichia coli</i> and in Vitro Translation System. <i>Molecules and Cells</i> , 1993, 3, 71-74.	2.6	1
5690	Mutational Analysis of Human Foamy Virus Bel1 Activation Domain. <i>Molecules and Cells</i> , 1995, 5, 467-474.	2.6	0
5691	Mutational Analysis on the RNA Helicase Domain of the Yeast ROK1 Gene. <i>Molecules and Cells</i> , 1996, 6, 547-551.	2.6	1