

Masayori Inouye

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9331465/publications.pdf>

Version: 2024-02-01

360
papers

25,487
citations

4370

86
h-index

10708

138
g-index

364
all docs

364
docs citations

364
times ranked

14106
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of prediction methods for protein structures determined by <i>NMR</i> in <i>CASP14</i> : Impact of <i>AlphaFold2</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1959-1976.	1.5	30
2	Evolution of the genetic code; Evidence from serine codon use disparity in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28572-28575.	3.3	12
3	In-cell NMR as a sensitive tool to monitor physiological condition of <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2020, 10, 2466.	1.6	9
4	Mimicking cotranslational folding of prosubtilisin E in vitro. <i>Journal of Biochemistry</i> , 2020, 167, 473-482.	0.9	3
5	Genome-Wide Screening for Identification of Novel Toxin-Antitoxin Systems in <i>Staphylococcus aureus</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	11
6	Protein structure prediction assisted with sparse NMR data in <i>CASP13</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2019, 87, 1315-1332.	1.5	21
7	A CUGGU/UUGGU-specific MazF homologue from <i>Methanohalobium evestigatum</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 533-540.	1.0	8
8	Combining Evolutionary Covariance and NMR Data for Protein Structure Determination. <i>Methods in Enzymology</i> , 2019, 614, 363-392.	0.4	8
9	The role of the loop 1 region in MazFbs mRNA interferase from <i>Bacillus subtilis</i> in recognition of the 3' end of the RNA substrate. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 403-408.	1.0	1
10	Designing of a single gene encoding four functional proteins. <i>Journal of Theoretical Biology</i> , 2017, 419, 266-268.	0.8	4
11	Characterization of Yjjj toxin of <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	11
12	Translation-dependent mRNA cleavage by YhaV in <i>Escherichia coli</i> . <i>FEBS Letters</i> , 2017, 591, 1853-1861.	1.3	14
13	Deletion of mazF increases <i>Staphylococcus aureus</i> biofilm formation in an ica-dependent manner. <i>Pathogens and Disease</i> , 2017, 75, .	0.8	16
14	Preferential use of minor codons in the translation initiation region of human genes. <i>Human Genetics</i> , 2017, 136, 67-74.	1.8	6
15	The first discovery of RNA interference by RNA restriction enzymes to inhibit protein synthesis. <i>Gene</i> , 2017, 597, 78-79.	1.0	1
16	The first demonstration of the existence of reverse transcriptases in bacteria. <i>Gene</i> , 2017, 597, 76-77.	1.0	7
17	Toxins of Prokaryotic Toxin-Antitoxin Systems with Sequence-Specific Endoribonuclease Activity. <i>Toxins</i> , 2017, 9, 140.	1.5	56
18	The first application of site-directed mutagenesis using oligonucleotides for studying the function of a protein. <i>Gene</i> , 2016, 593, 342-343.	1.0	6

#	ARTICLE	IF	CITATIONS
19	The first demonstration of RNA interference to inhibit mRNA function. <i>Gene</i> , 2016, 592, 332-333.	1.0	8
20	The first attempt for the isolation of an intact mRNA for structure determination. <i>Gene</i> , 2016, 592, 331.	1.0	0
21	Suppression of the toxicity of Bac7 (1â€³35), a bovine peptide antibiotic, and its production in <i>E. coli</i> . <i>AMB Express</i> , 2016, 6, 19.	1.4	1
22	Highly efficient residue-selective labeling with isotope-labeled Ile, Leu, and Val using a new auxotrophic <i>E. coli</i> strain. <i>Journal of Biomolecular NMR</i> , 2016, 65, 109-119.	1.6	29
23	Exploiting <i>E. coli</i> auxotrophs for leucine, valine, and threonine specific methyl labeling of large proteins for NMR applications. <i>Journal of Biomolecular NMR</i> , 2016, 65, 99-108.	1.6	29
24	<i>ydfD</i> encodes a novel lytic protein in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2016, 363, fnw039.	0.7	7
25	The first determination of DNA sequence of a specific gene. <i>Gene</i> , 2016, 582, 94-95.	1.0	0
26	Structural analysis of the mechanism of phosphorylation of a critical autoregulatory tyrosine residue in <i>FGFR1</i> kinase domain. <i>Genes To Cells</i> , 2015, 20, 860-870.	0.5	7
27	An endogenous protein inhibitor, YjhX (TopAI), for topoisomerase I from <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2015, 43, gkv1197.	6.5	11
28	ACAâ€³specific RNA sequence recognition is acquired via the loop 2 region of MazF mRNA interferase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 874-883.	1.5	8
29	Structural Basis of mRNA Recognition and Cleavage by Toxin MazF and Its Regulation by Antitoxin MazE in <i>Bacillus subtilis</i> . <i>Molecular Cell</i> , 2013, 52, 447-458.	4.5	77
30	Characterization of a <i>mazEF</i> Toxin-Antitoxin Homologue from <i>Staphylococcus equorum</i> . <i>Journal of Bacteriology</i> , 2013, 195, 115-125.	1.0	33
31	Transcriptional Repressor HipB Regulates the Multiple Promoters in <i>Escherichia coli</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2013, 23, 440-447.	1.0	28
32	Replacement of All Arginine Residues with Canavanine in MazF-bs mRNA Interferase Changes Its Specificity. <i>Journal of Biological Chemistry</i> , 2013, 288, 7564-7571.	1.6	16
33	An Assay Suitable for High Throughput Screening of Anti-Influenza Drugs. <i>PLoS ONE</i> , 2013, 8, e54070.	1.1	5
34	Intramolecular Regulation of the Sequence-Specific mRNA Interferase Activity of MazF Fused to a MazE Fragment with a Linker Cleavable by Specific Proteases. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3794-3799.	1.4	29
35	Structure-based design and screening of inhibitors for an essential bacterial GTPase, Der. <i>Journal of Antibiotics</i> , 2012, 65, 237-243.	1.0	9
36	Defining Requirements for Collagenase Cleavage in Collagen Type III Using a Bacterial Collagen System. <i>Journal of Biological Chemistry</i> , 2012, 287, 22988-22997.	1.6	61

#	ARTICLE	IF	CITATIONS
37	Growth and Translation Inhibition through Sequence-specific RNA Binding by Mycobacterium tuberculosis VapC Toxin. <i>Journal of Biological Chemistry</i> , 2012, 287, 12835-12847.	1.6	60
38	Inhibition of specific gene expressions by protein-mediated mRNA interference. <i>Nature Communications</i> , 2012, 3, 607.	5.8	45
39	Identification of the First Functional Toxin-Antitoxin System in <i>Streptomyces</i> . <i>PLoS ONE</i> , 2012, 7, e32977.	1.1	40
40	Segmental isotope labeling of proteins for NMR structural study using a protein S tag for higher expression and solubility. <i>Journal of Biomolecular NMR</i> , 2012, 52, 303-313.	1.6	16
41	A novel membrane-bound toxin for cell division, CptA (YgfX), inhibits polymerization of cytoskeleton proteins, FtsZ and MreB, in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2012, 328, 174-181.	0.7	57
42	YeeU enhances the bundling of cytoskeletal polymers of MreB and FtsZ, antagonizing the CbtA (YeeV) toxicity in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2012, 84, 979-989.	1.2	204
43	Suppression of MazF toxicity by fusing a C-terminal segment of MazE to MazF, and its activation by sequence specific HIV-1 and HCV proteases. <i>FASEB Journal</i> , 2012, 26, 956.2.	0.2	0
44	Creation of a New protein by substituting all arginine residues by its toxic analogue, canavanine. <i>FASEB Journal</i> , 2012, 26, 581.8.	0.2	0
45	Acquisition of HIV-1 Resistance in T Lymphocytes Using an ACA-Specific <i>E. coli</i> mRNA Interferase. <i>Human Gene Therapy</i> , 2011, 22, 35-43.	1.4	44
46	YeeV is an <i>Escherichia coli</i> toxin that inhibits cell division by targeting the cytoskeleton proteins, FtsZ and MreB. <i>Molecular Microbiology</i> , 2011, 79, 109-118.	1.2	120
47	RatA (YfjC), an <i>Escherichia coli</i> toxin, inhibits 70S ribosome association to block translation initiation. <i>Molecular Microbiology</i> , 2011, 79, 1418-1429.	1.2	62
48	<i>Bacillus subtilis</i> MazF (EndoA) is a UACAU-specific mRNA interferase. <i>FEBS Letters</i> , 2011, 585, 2526-2532.	1.3	69
49	Toxin-Antitoxin Systems in Bacteria and Archaea. <i>Annual Review of Genetics</i> , 2011, 45, 61-79.	3.2	557
50	Regulation of growth and death in <i>Escherichia coli</i> by toxin-antitoxin systems. <i>Nature Reviews Microbiology</i> , 2011, 9, 779-790.	13.6	336
51	Suppression of phospholipid biosynthesis by cerulenin in the condensed Single-Protein-Production (cSPP) system. <i>Journal of Biomolecular NMR</i> , 2011, 49, 131-137.	1.6	23
52	The Use of the Condensed Single Protein Production System for Isotope-Labeled Outer Membrane Proteins, OmpA and OmpX in <i>E. coli</i> . <i>Molecular Biotechnology</i> , 2011, 47, 205-210.	1.3	16
53	Dissecting a Bacterial Collagen Domain from <i>Streptococcus pyogenes</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 18960-18968.	1.6	36
54	The <i>E. coli</i> single protein production system for production and structural analysis of membrane proteins. <i>Journal of Structural and Functional Genomics</i> , 2010, 11, 81-84.	1.2	15

#	ARTICLE	IF	CITATIONS
55	Efficient condensed-phase production of perdeuterated soluble and membrane proteins. <i>Journal of Structural and Functional Genomics</i> , 2010, 11, 143-154.	1.2	18
56	The New York Consortium on Membrane Protein Structure (NYCOMPS): a high-throughput platform for structural genomics of integral membrane proteins. <i>Journal of Structural and Functional Genomics</i> , 2010, 11, 191-199.	1.2	57
57	Fully automated high-quality NMR structure determination of small ² H-enriched proteins. <i>Journal of Structural and Functional Genomics</i> , 2010, 11, 223-232.	1.2	12
58	Crystal Structures of Phd-Doc, HigA, and YeeU Establish Multiple Evolutionary Links between Microbial Growth-Regulating Toxin-Antitoxin Systems. <i>Structure</i> , 2010, 18, 996-1010.	1.6	65
59	A <i>Streptococcus pyogenes</i> derived collagen-like protein as a non-cytotoxic and non-immunogenic cross-linkable biomaterial. <i>Biomaterials</i> , 2010, 31, 2755-2761.	5.7	76
60	Noncollagenous region of the streptococcal collagen-like protein is a trimerization domain that supports refolding of adjacent homologous and heterologous collagenous domains. <i>Protein Science</i> , 2010, 19, 775-785.	3.1	23
61	Secretion of human superoxide dismutase in <i>Escherichia coli</i> using the condensed single-protein production system. <i>Protein Science</i> , 2010, 19, 2330-2335.	3.1	4
62	<i>Escherichia coli</i> RNase R Has Dual Activities, Helicase and RNase. <i>Journal of Bacteriology</i> , 2010, 192, 1344-1352.	1.0	64
63	Noncognate <i>Mycobacterium tuberculosis</i> Toxin-Antitoxins Can Physically and Functionally Interact. <i>Journal of Biological Chemistry</i> , 2010, 285, 39732-39738.	1.6	82
64	Use of Amino Acids as Inducers for High-Level Protein Expression in the Single-Protein Production System. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6063-6068.	1.4	15
65	Interaction of an Essential <i>Escherichia coli</i> GTPase, Der, with the 50S Ribosome via the KH-Like Domain. <i>Journal of Bacteriology</i> , 2010, 192, 2277-2283.	1.0	10
66	Expanding the Family of Collagen Proteins: Recombinant Bacterial Collagens of Varying Composition Form Triple-Helices of Similar Stability. <i>Biomacromolecules</i> , 2010, 11, 348-356.	2.6	59
67	A Bacterial GAP-Like Protein, YihI, Regulating the GTPase of Der, an Essential GTP-Binding Protein in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2010, 399, 759-772.	2.0	20
68	Inhibitory Mechanism of <i>Escherichia coli</i> RelE-RelB Toxin-Antitoxin Module Involves a Helix Displacement Near an mRNA Interferase Active Site. <i>Journal of Biological Chemistry</i> , 2009, 284, 14628-14636.	1.6	69
69	<i>Staphylococcus aureus</i> MazF Specifically Cleaves a Pentad Sequence, UACAU, Which Is Unusually Abundant in the mRNA for Pathogenic Adhesive Factor SraP. <i>Journal of Bacteriology</i> , 2009, 191, 3248-3255.	1.0	96
70	MqsR, a Crucial Regulator for Quorum Sensing and Biofilm Formation, Is a GCU-specific mRNA Interferase in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 28746-28753.	1.6	152
71	Characterization of YafO, an <i>Escherichia coli</i> Toxin. <i>Journal of Biological Chemistry</i> , 2009, 284, 25522-25531.	1.6	58
72	Significant Bias against the ACA Triplet in the tmRNA Sequence of <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2009, 191, 6157-6166.	1.0	14

#	ARTICLE	IF	CITATIONS
73	<i>Staphylococcus aureus</i> YoeB Homologues Inhibit Translation Initiation. <i>Journal of Bacteriology</i> , 2009, 191, 5868-5872.	1.0	52
74	Significant Enhanced Expression and Solubility of Human Proteins in <i>Escherichia coli</i> by Fusion with Protein S from <i>Myxococcus xanthus</i> . <i>Applied and Environmental Microbiology</i> , 2009, 75, 5356-5362.	1.4	25
75	Independently inducible system of gene expression for condensed single protein production (cSPP) suitable for high efficiency isotope enrichment. <i>Journal of Structural and Functional Genomics</i> , 2009, 10, 219-225.	1.2	18
76	Production of membrane proteins for NMR studies using the condensed single protein (cSPP) production system. <i>Journal of Structural and Functional Genomics</i> , 2009, 10, 281-289.	1.2	28
77	Self-association of <i>Streptococcus pyogenes</i> collagen-like constructs into higher order structures. <i>Protein Science</i> , 2009, 18, 1241-1251.	3.1	75
78	Bacterial toxin YafQ is an endoribonuclease that associates with the ribosome and blocks translation elongation through sequence-specific and frame-dependent mRNA cleavage. <i>Molecular Microbiology</i> , 2009, 71, 1071-1087.	1.2	142
79	The Inhibitory Mechanism of Protein Synthesis by YoeB, an <i>Escherichia coli</i> Toxin. <i>Journal of Biological Chemistry</i> , 2009, 284, 6627-6638.	1.6	97
80	Chapter 12 mRNA Interferases, Sequence-specific Endoribonucleases from the Toxin-Antitoxin Systems. <i>Progress in Molecular Biology and Translational Science</i> , 2009, 85, 467-500.	0.9	118
81	Backbone NMR assignments of DFP-inhibited mature subtilisin E. <i>Biomolecular NMR Assignments</i> , 2008, 2, 131-133.	0.4	5
82	Protein production and purification. <i>Nature Methods</i> , 2008, 5, 135-146.	9.0	763
83	The mRNA interferases, MazF ϵ 3 and MazF ϵ 7 from <i>Mycobacterium tuberculosis</i> target unique pentad sequences in single-stranded RNA. <i>Molecular Microbiology</i> , 2008, 69, 559-569.	1.2	95
84	Structural Mechanism of Transcriptional Autorepression of the <i>Escherichia coli</i> RelB/RelE Antitoxin/Toxin Module. <i>Journal of Molecular Biology</i> , 2008, 380, 107-119.	2.0	82
85	MazF, an mRNA Interferase, Mediates Programmed Cell Death during Multicellular <i>Myxococcus</i> Development. <i>Cell</i> , 2008, 132, 55-66.	13.5	226
86	Bacterial addiction module toxin Doc inhibits translation elongation through its association with the 30S ribosomal subunit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5885-5890.	3.3	118
87	RelA Functionally Suppresses the Growth Defect Caused by a Mutation in the G Domain of the Essential Der Protein. <i>Journal of Bacteriology</i> , 2008, 190, 3236-3243.	1.0	16
88	RNase Activity of Polynucleotide Phosphorylase Is Critical at Low Temperature in <i>Escherichia coli</i> and Is Complemented by RNase II. <i>Journal of Bacteriology</i> , 2008, 190, 5924-5933.	1.0	42
89	NBK/BIK antagonizes MCL-1 and BCL-XL and activates BAK-mediated apoptosis in response to protein synthesis inhibition. <i>Genes and Development</i> , 2007, 21, 929-941.	2.7	122
90	Mechanism of Stabilization of a Bacterial Collagen Triple Helix in the Absence of Hydroxyproline. <i>Journal of Biological Chemistry</i> , 2007, 282, 29757-29765.	1.6	114

#	ARTICLE	IF	CITATIONS
91	Structural and Functional Studies of the HAMP Domain of EnvZ, an Osmosensing Transmembrane Histidine Kinase in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 26401-26408.	1.6	30
92	Dissection of 16S rRNA Methyltransferase (KsgA) Function in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2007, 189, 8510-8518.	1.0	28
93	Complementation Analysis of the Cold-Sensitive Phenotype of the <i>Escherichia coli</i> <i>csdA</i> Deletion Strain. <i>Journal of Bacteriology</i> , 2007, 189, 5808-5815.	1.0	69
94	Autotomic Behavior of the Propeptide in Propeptide-mediated Folding of Prosubtilisin E. <i>Journal of Molecular Biology</i> , 2007, 366, 494-503.	2.0	16
95	Functional and Structural Characterization of EnvZ, an Osmosensing Histidine Kinase of <i>E. coli</i> . <i>Methods in Enzymology</i> , 2007, 423, 184-202.	0.4	15
96	The Design and Development of EnvZ Chimeric Receptors. <i>Methods in Enzymology</i> , 2007, 423, 166-183.	0.4	26
97	Single protein production (SPP) system in <i>Escherichia coli</i> . <i>Nature Protocols</i> , 2007, 2, 1802-1810.	5.5	62
98	Signaling by Transmembrane Proteins Shifts Gears. <i>Cell</i> , 2006, 126, 829-831.	13.5	16
99	Characterization of Dual Substrate Binding Sites in the Homodimeric Structure of <i>Escherichia coli</i> mRNA Interferase MazF. <i>Journal of Molecular Biology</i> , 2006, 357, 139-150.	2.0	54
100	The tandem GTPase, Der, is essential for the biogenesis of 50S ribosomal subunits in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2006, 61, 1660-1672.	1.2	85
101	Finding one of a kind: advances in single-protein production. <i>Current Opinion in Biotechnology</i> , 2006, 17, 347-352.	3.3	9
102	The discovery of mRNA interferases: Implication in bacterial physiology and application to biotechnology. <i>Journal of Cellular Physiology</i> , 2006, 209, 670-676.	2.0	46
103	The expression profile of microRNAs in mouse embryos. <i>Nucleic Acids Research</i> , 2006, 34, 1765-1771.	6.5	232
104	Superoxide Dismutase Expression Attenuates Cigarette Smoke- or Elastase-generated Emphysema in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 173, 623-631.	2.5	133
105	Characterization of mRNA Interferases from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 18638-18643.	1.6	124
106	Bacterial Bioreactors for High Yield Production of Recombinant Protein. <i>Journal of Biological Chemistry</i> , 2006, 281, 37559-37565.	1.6	50
107	Transcription Regulation of <i>ompF</i> and <i>ompC</i> by a Single Transcription Factor, <i>OmpR</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 17114-17123.	1.6	133
108	Robotic Cloning and Protein Production Platform of the Northeast Structural Genomics Consortium. <i>Methods in Enzymology</i> , 2005, 394, 210-243.	0.4	118

#	ARTICLE	IF	CITATIONS
109	IRIP, a New Ischemia/Reperfusion-Inducible Protein That Participates in the Regulation of Transporter Activity. <i>Molecular and Cellular Biology</i> , 2005, 25, 6496-6508.	1.1	32
110	Characterization of ChpBK, an mRNA Interferase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 26080-26088.	1.6	103
111	Human Organic Anion Transporter hOAT1 Forms Homooligomers. <i>Journal of Biological Chemistry</i> , 2005, 280, 32285-32290.	1.6	42
112	Insights into the mRNA Cleavage Mechanism by MazF, an mRNA Interferase. <i>Journal of Biological Chemistry</i> , 2005, 280, 3143-3150.	1.6	204
113	Single Protein Production in Living Cells Facilitated by an mRNA Interferase. <i>Molecular Cell</i> , 2005, 18, 253-261.	4.5	138
114	Complex Formation between a Putative 66-Residue Thumb Domain of Bacterial Reverse Transcriptase RT-Ec86 and the Primer Recognition RNA. <i>Journal of Biological Chemistry</i> , 2004, 279, 50735-50742.	1.6	5
115	The HAMP Linker in Histidine Kinase Dimeric Receptors Is Critical for Symmetric Transmembrane Signal Transduction. <i>Journal of Biological Chemistry</i> , 2004, 279, 48152-48158.	1.6	19
116	Interference of mRNA Function by Sequence-specific Endoribonuclease PemK. <i>Journal of Biological Chemistry</i> , 2004, 279, 20678-20684.	1.6	117
117	Cold-shock induced high-yield protein production in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 2004, 22, 877-882.	9.4	307
118	Genome-Wide Transcriptional Analysis of the Cold Shock Response in Wild-Type and Cold-Sensitive, Quadruple-csp-Deletion Strains of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2004, 186, 7007-7014.	1.0	184
119	Cold Shock Response and Adaptation at Near-Freezing Temperature in Microorganisms. <i>Science Signaling</i> , 2004, 2004, pe26-pe26.	1.6	37
120	The Mechanism of Nucleic Acid Melting by a CspA Family Protein. <i>Journal of Molecular Biology</i> , 2004, 337, 147-155.	2.0	30
121	CspB and CspL, thermostable cold-shock proteins from <i>Thermotoga maritima</i> . <i>Genes To Cells</i> , 2003, 8, 801-810.	0.5	29
122	Suppression of defective ribosome assembly in a rbfA deletion mutant by overexpression of Era, an essential GTPase in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2003, 48, 1005-1016.	1.2	117
123	Solution NMR Structure of Ribosome-binding Factor A (RbfA), A Cold-shock Adaptation Protein from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2003, 327, 521-536.	2.0	75
124	Probing Catalytically Essential Domain Orientation in Histidine Kinase EnvZ by Targeted Disulfide Crosslinking. <i>Journal of Molecular Biology</i> , 2003, 328, 409-418.	2.0	23
125	Spontaneous Subunit Exchange and Biochemical Evidence for Trans-autophosphorylation in a Dimer of <i>Escherichia coli</i> Histidine Kinase (EnvZ). <i>Journal of Molecular Biology</i> , 2003, 329, 495-503.	2.0	40
126	The Role of RbfA in 16S rRNA Processing and Cell Growth at Low Temperature in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2003, 332, 575-584.	2.0	83

#	ARTICLE	IF	CITATIONS
127	MazF Cleaves Cellular mRNAs Specifically at ACA to Block Protein Synthesis in Escherichia coli. <i>Molecular Cell</i> , 2003, 12, 913-923.	4.5	511
128	Assay of Transcription Antitermination by Proteins of the CspA Family. <i>Methods in Enzymology</i> , 2003, 371, 460-471.	0.4	7
129	Characterization of the Interactions within the mazEF Addiction Module of Escherichia coli. <i>Journal of Biological Chemistry</i> , 2003, 278, 32300-32306.	1.6	90
130	Cysteine-Scanning Analysis of the Dimerization Domain of EnvZ, an Osmosensing Histidine Kinase. <i>Journal of Bacteriology</i> , 2003, 185, 3429-3435.	1.0	29
131	Thermotoga maritima MazG Protein Has Both Nucleoside Triphosphate Pyrophosphohydrolase and Pyrophosphatase Activities. <i>Journal of Biological Chemistry</i> , 2003, 278, 21408-21414.	1.6	22
132	Analysis of the Role of the EnvZ Linker Region in Signal Transduction Using a Chimeric Tar/EnvZ Receptor Protein, Tez1. <i>Journal of Biological Chemistry</i> , 2003, 278, 22812-22819.	1.6	38
133	The Cold Box Stem-loop Proximal to the 5' End of the Escherichia coli cspA Gene Stabilizes Its mRNA at Low Temperature. <i>Journal of Biological Chemistry</i> , 2002, 277, 6005-6011.	1.6	32
134	The Nucleic Acid Melting Activity of Escherichia coli CspE Is Critical for Transcription Antitermination and Cold Acclimation of Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 7239-7245.	1.6	141
135	Folding Pathway Mediated by an Intramolecular Chaperone: Dissecting Conformational Changes Coincident with Autoprocessing and the Role of Ca ²⁺ in Subtilisin Maturation. <i>Journal of Biochemistry</i> , 2002, 131, 31-37.	0.9	45
136	EnvZ-OmpR Interaction and Osmoregulation in Escherichia coli. <i>Journal of Biological Chemistry</i> , 2002, 277, 24155-24161.	1.6	253
137	DNA Microarray Analysis of the Expression Profile of Escherichia coli in Response to Treatment with 4,5-Dihydroxy-2-Cyclopenten-1-One. <i>Journal of Bacteriology</i> , 2002, 184, 6725-6729.	1.0	27
138	Three Amino Acids in Escherichia coli CspE Surface-exposed Aromatic Patch Are Critical for Nucleic Acid Melting Activity Leading to Transcription Antitermination and Cold Acclimation of Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 46706-46711.	1.6	66
139	MazG, a Nucleoside Triphosphate Pyrophosphohydrolase, Interacts with Era, an Essential GTPase in Escherichia coli. <i>Journal of Bacteriology</i> , 2002, 184, 5323-5329.	1.0	72
140	Domain Arrangement of Der, a Switch Protein Containing Two GTPase Domains. <i>Structure</i> , 2002, 10, 1649-1658.	1.6	64
141	The role of the G2 box, a conserved motif in the histidine kinase superfamily, in modulating the function of EnvZ. <i>Molecular Microbiology</i> , 2002, 45, 653-663.	1.2	45
142	Formation of the stoichiometric complex of EnvZ, a histidine kinase, with its response regulator, OmpR. <i>Molecular Microbiology</i> , 2002, 46, 1273-1282.	1.2	26
143	Interaction of EnvZ, a sensory histidine kinase, with phosphorylated OmpR, the cognate response regulator. <i>Molecular Microbiology</i> , 2002, 46, 1283-1294.	1.2	53
144	Specific growth inhibition by acetate of an Escherichia coli strain expressing Era-dE, a dominant negative Era mutant. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2002, 4, 379-88.	1.0	4

#	ARTICLE	IF	CITATIONS
145	Enhancement of the solubility of proteins overexpressed in <i>Escherichia coli</i> by heat shock. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2002, 4, 519-24.	1.0	19
146	Functional analysis of the propeptides of subtilisin E and aqualysin I as intramolecular chaperones. <i>FEBS Letters</i> , 2001, 508, 210-214.	1.3	22
147	Folding Pathway Mediated by an Intramolecular Chaperone. <i>Journal of Biological Chemistry</i> , 2001, 276, 44427-44434.	1.6	99
148	Role of CspC and CspE in Regulation of Expression of RpoS and UspA, the Stress Response Proteins in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2001, 183, 1205-1214.	1.0	150
149	Induction of CspA, an <i>E. coli</i> major cold-shock protein, upon nutritional upshift at 37°C. <i>Genes To Cells</i> , 2001, 6, 279-290.	0.5	41
150	CspD, a novel DNA replication inhibitor induced during the stationary phase in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2001, 39, 1572-1584.	1.2	111
151	Acquirement of cold sensitivity by quadruple deletion of the cspA family and its suppression by PNPase S1 domain in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2001, 40, 179-188.	1.2	211
152	Backbone dynamics of the natively unfolded pro-peptide of subtilisin by heteronuclear NMR relaxation studies. <i>Journal of Biomolecular NMR</i> , 2001, 20, 233-249.	1.6	68
153	Resonance assignments for cold-shock protein ribosome-binding factor A (RbfA) from <i>Escherichia coli</i> . <i>Journal of Biomolecular NMR</i> , 2001, 21, 389-390.	1.6	7
154	Substrate-induced activation of a trapped IMC-mediated protein folding intermediate. <i>Nature Structural Biology</i> , 2001, 8, 321-325.	9.7	20
155	Nonsense Mutations in cspA Cause Ribosome Trapping Leading to Complete Growth Inhibition and Cell Death at Low Temperature in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 35581-35588.	1.6	27
156	Selective mRNA Degradation by Polynucleotide Phosphorylase in Cold Shock Adaptation in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2001, 183, 2808-2816.	1.0	121
157	An Essential GTPase, Der, Containing Double GTP-binding Domains from <i>Escherichia coli</i> and <i>Thermotoga maritima</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 31415-31421.	1.6	61
158	Antisense RNA and DNA in <i>Escherichia coli</i> . <i>Methods in Enzymology</i> , 2000, 313, 467-485.	0.4	3
159	A monomeric histidine kinase derived from EnvZ, an <i>Escherichia coli</i> osmosensor. <i>Molecular Microbiology</i> , 2000, 36, 24-32.	1.2	38
160	Acquisition of double-stranded DNA-binding ability in a hybrid protein between <i>Escherichia coli</i> CspA and the cold shock domain of human YB-1. <i>Molecular Microbiology</i> , 2000, 38, 526-534.	1.2	17
161	Characterization of GTPase Activity of TrmE, a Member of a Novel GTPase Superfamily, from <i>Thermotoga maritima</i> . <i>Journal of Bacteriology</i> , 2000, 182, 7078-7082.	1.0	46
162	Folding Pathway Mediated by an Intramolecular Chaperone. <i>Journal of Biological Chemistry</i> , 2000, 275, 16871-16878.	1.6	65

#	ARTICLE	IF	CITATIONS
163	The Critical Role of the Conserved Thr247 Residue in the Functioning of the Osmosensor EnvZ, a Histidine Kinase/Phosphatase, in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 38645-38653.	1.6	71
164	A Large Family of Eukaryotic-Like Protein Ser/Thr Kinases of <i>Myxococcus xanthus</i> , a Developmental Bacterium. <i>Microbial & Comparative Genomics</i> , 2000, 5, 103-120.	0.6	41
165	Endotoxemia in Transgenic Mice Overexpressing Human Glutathione Peroxidases. <i>Circulation Research</i> , 2000, 87, 289-295.	2.0	35
166	Intramolecular chaperones: polypeptide extensions that modulate protein folding. <i>Seminars in Cell and Developmental Biology</i> , 2000, 11, 35-44.	2.3	129
167	Acetaminophen Toxicity. <i>Journal of Biological Chemistry</i> , 1999, 274, 10349-10355.	1.6	109
168	Highly Specific Recognition of Primer RNA Structures for 2'-OH Priming Reaction by Bacterial Reverse Transcriptases. <i>Journal of Biological Chemistry</i> , 1999, 274, 31236-31244.	1.6	23
169	Translational Enhancement by an Element Downstream of the Initiation Codon in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 10079-10085.	1.6	92
170	A Pathway for Conformational Diversity in Proteins Mediated by Intramolecular Chaperones. <i>Journal of Biological Chemistry</i> , 1999, 274, 15615-15621.	1.6	67
171	Characterization of <i>Escherichia coli</i> cspE, whose product negatively regulates transcription of cspA, the gene for the major cold shock protein. <i>Molecular Microbiology</i> , 1999, 31, 1429-1441.	1.2	77
172	DB or not DB in translation?. <i>Molecular Microbiology</i> , 1999, 33, 438-439.	1.2	16
173	A retroelement in <i>Vibrio cholerae</i> . <i>Molecular Microbiology</i> , 1999, 34, 631-632.	1.2	14
174	Sequence-selective interactions with RNA by CspB, CspC and CspE, members of the CspA family of <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1999, 33, 1004-1014.	1.2	124
175	Histidine kinases: diversity of domain organization. <i>Molecular Microbiology</i> , 1999, 34, 633-640.	1.2	227
176	DB or not DB in translation?. <i>Molecular Microbiology</i> , 1999, 34, 865-865.	1.2	0
177	Solution structure of the homodimeric core domain of <i>Escherichia coli</i> histidine kinase EnvZ. <i>Nature Structural Biology</i> , 1999, 6, 729-734.	9.7	228
178	Expression and Secretion of Proteins in <i>E. coli</i> . <i>Molecular Biotechnology</i> , 1999, 12, 25-34.	1.3	45
179	Cold-shock response and cold-shock proteins. <i>Current Opinion in Microbiology</i> , 1999, 2, 175-180.	2.3	330
180	Era, an Essential <i>Escherichia coli</i> Small G-Protein, Binds to the 30S Ribosomal Subunit. <i>Biochemical and Biophysical Research Communications</i> , 1999, 264, 51-54.	1.0	94

#	ARTICLE	IF	CITATIONS
181	A Sequence Downstream of the Initiation Codon Is Essential for Cold Shock Induction of <i>cspB</i> of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1999, 181, 5852-5854.	1.0	26
182	Mutation Analysis of the 5' Untranslated Region of the Cold Shock <i>cspA</i> mRNA of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1999, 181, 6284-6291.	1.0	79
183	<i>CspI</i> , the Ninth Member of the <i>CspA</i> Family of <i>Escherichia coli</i> , Is Induced upon Cold Shock. <i>Journal of Bacteriology</i> , 1999, 181, 1603-1609.	1.0	128
184	<i>CspA</i> , <i>CspB</i> , and <i>CspG</i> , Major Cold Shock Proteins of <i>Escherichia coli</i> , Are Induced at Low Temperature under Conditions That Completely Block Protein Synthesis. <i>Journal of Bacteriology</i> , 1999, 181, 1827-1830.	1.0	93
185	NMR structure of the histidine kinase domain of the <i>E. coli</i> osmosensor <i>EnvZ</i> . <i>Nature</i> , 1998, 396, 88-92.	13.7	248
186	Cold shock and adaptation. <i>BioEssays</i> , 1998, 20, 49-57.	1.2	326
187	Hierarchical and co-operative binding of <i>OmpR</i> to a fusion construct containing the <i>ompC</i> and <i>ompF</i> upstream regulatory sequences of <i>Escherichia coli</i> . <i>Genes To Cells</i> , 1998, 3, 777-788.	0.5	33
188	The <i>CspA</i> family in <i>Escherichia coli</i> : multiple gene duplication for stress adaptation. <i>Molecular Microbiology</i> , 1998, 27, 247-255.	1.2	309
189	Downstream box: a hidden translational enhancer. <i>Molecular Microbiology</i> , 1998, 27, 873-874.	1.2	10
190	Overexpression of human glutathione peroxidase protects transgenic mice against focal cerebral ischemia/reperfusion damage. <i>Molecular Brain Research</i> , 1998, 53, 333-338.	2.5	166
191	The crystal structure of an autoprocessed <i>Ser221Cys</i> -subtilisin E-propeptide complex at 2.0 Å resolution. Edited by I. A. Wilson. <i>Journal of Molecular Biology</i> , 1998, 284, 137-144.	2.0	151
192	Cold shock and adaptation. , 1998, 20, 49.		4
193	Role of the Cold-Box Region in the 5' Untranslated Region of the <i>cspA</i> mRNA in Its Transient Expression at Low Temperature in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1998, 180, 90-95.	1.0	60
194	In Vitro Synthesis of Multicopy Single-Stranded DNA, Using Separate Primer and Template RNAs, by <i>Escherichia coli</i> Reverse Transcriptase. <i>Journal of Bacteriology</i> , 1998, 180, 2999-3002.	1.0	8
195	The Gene for 16S rRNA Methyltransferase (<i>ksgA</i>) Functions as a Multicopy Suppressor for a Cold-Sensitive Mutant of <i>Era</i> , an Essential RAS-Like GTP-Binding Protein in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1998, 180, 5243-5246.	1.0	53
196	<i>CspA</i> , the Major Cold-shock Protein of <i>Escherichia coli</i> , Is an RNA Chaperone. <i>Journal of Biological Chemistry</i> , 1997, 272, 196-202.	1.6	570
197	Purification and Characterization of the Periplasmic Domain of <i>EnvZ</i> Osmosensor in <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 1997, 231, 68-72.	1.0	16
198	Overexpression of Antioxidant Enzymes in Transgenic Mice Decreases Cellular Ploidy during Liver Regeneration. <i>Experimental Cell Research</i> , 1997, 236, 137-146.	1.2	47

#	ARTICLE	IF	CITATIONS
199	Biochemical characterization of Pkn2, a protein Ser/Thr kinase from <i>Myxococcus xanthus</i> , a Gram-negative developmental bacterium. <i>FEBS Letters</i> , 1997, 400, 188-192.	1.3	22
200	Demonstration of dimer formation of the cytoplasmic domain of a transmembrane osmosensor protein, EnvZ, of <i>Escherichia coli</i> using Ni-histidine tag affinity chromatography. <i>FEBS Letters</i> , 1997, 400, 238-242.	1.3	29
201	Signal transduction via the histidyl- ϵ -aspartyl phosphorelay. <i>Genes To Cells</i> , 1997, 2, 167-184.	0.5	172
202	Promoter-independent cold-shock induction of <i>cspA</i> and its derepression at 37°C by mRNA stabilization. <i>Molecular Microbiology</i> , 1997, 23, 355-364.	1.2	172
203	Deletion analysis of <i>cspA</i> of <i>Escherichia coli</i> : requirement of the AT-rich UP element for <i>cspA</i> transcription and the downstream box in the coding region for its cold shock induction. <i>Molecular Microbiology</i> , 1997, 26, 321-335.	1.2	147
204	Pkn9, a Ser/Thr protein kinase involved in the development of <i>Myxococcus xanthus</i> . <i>Molecular Microbiology</i> , 1997, 23, 459-471.	1.2	61
205	The Mechanism of Autoprocessing of the Propeptide of Prosubtilisin E: Intramolecular or Intermolecular Event?. <i>Journal of Molecular Biology</i> , 1996, 262, 591-594.	2.0	25
206	An Unusual Bacterial Reverse Transcriptase Having LVDD in the YXDD Box from <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 1996, 227, 489-493.	1.0	4
207	Positive-negative KG cassettes for construction of multi-gene deletions using a single drug marker. <i>Gene</i> , 1996, 183, 153-157.	1.0	125
208	Complete growth inhibition of <i>Escherichia coli</i> by ribosome trapping with truncated <i>cspA</i> mRNA at low temperature. <i>Genes To Cells</i> , 1996, 1, 965-976.	0.5	26
209	Differential thermoregulation of two highly homologous cold-shock genes, <i>cspA</i> and <i>cspB</i> , of <i>Escherichia coli</i> . <i>Genes To Cells</i> , 1996, 1, 171-178.	0.5	76
210	The 19-residue pro-peptide of staphylococcal nuclease has a profound secretion-enhancing ability in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1996, 21, 181-195.	1.2	29
211	Crystallization, X-ray studies, and site-directed cysteine mutagenesis of the DNA-binding domain of OmpR. <i>Protein Science</i> , 1996, 5, 1429-1433.	3.1	15
212	Mutational analysis of Era, an essential GTP-binding protein of <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 1996, 136, 57-62.	0.7	14
213	Deletion of the putative effector region of Era, an essential GTP-binding protein in <i>Escherichia coli</i> , causes a dominant-negative phenotype. <i>FEMS Microbiology Letters</i> , 1996, 143, 47-55.	0.7	19
214	Enhancement of frame-shift mutation by the overproduction of <i>msDNA</i> in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 1996, 144, 109-115.	0.7	14
215	RbfA, a 30S ribosomal binding factor, is a cold-shock protein whose absence triggers the cold-shock response. <i>Molecular Microbiology</i> , 1996, 21, 1207-1218.	1.2	204
216	Reverse Phosphotransfer from OmpR to EnvZ in a Kinase~/Phosphatase+ Mutant of EnvZ (EnvZ Δ CN347D), a Bifunctional Signal Transducer of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 1424-1429.	1.6	66

#	ARTICLE	IF	CITATIONS
235	Family of the major cold-shock protein, CspA (CS7.4), of <i>Escherichia coli</i> , whose members show a high sequence similarity with the eukaryotic Y-box binding proteins. <i>Molecular Microbiology</i> , 1994, 11, 833-839.	1.2	152
236	Transmembrane Signaling. <i>Journal of Molecular Biology</i> , 1994, 244, 477-481.	2.0	26
237	Identification of the <i>Myxococcus xanthus</i> 59-kDa membrane-associated GTP-binding protein as a proton-translocating ATPase. <i>Gene</i> , 1994, 138, 133-137.	1.0	1
238	The Structural and Functional Organization of Intramolecular Chaperones: The N-Terminal Propeptides Which Mediate Protein Folding. <i>Journal of Biochemistry</i> , 1994, 115, 629-636.	0.9	53
239	Eukaryotic-like protein serine/threonine kinases in <i>Myxococcus xanthus</i> , a developmental bacterium exhibiting social behavior. <i>Journal of Cellular Biochemistry</i> , 1993, 51, 29-33.	1.2	33
240	Identification of a phosphorylation site and functional analysis of conserved aspartic acid residues of OmpR, a transcriptional activator for ompF and ompC in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1993, 10, 1037-1047.	1.2	98
241	Requirement of Both Kinase and Phosphatase Activities of an <i>Escherichia coli</i> Receptor (Taz1) for Ligand-dependent Signal Transduction. <i>Journal of Molecular Biology</i> , 1993, 231, 335-342.	2.0	79
242	Ligand Binding to the Receptor Domain Regulates the Ratio of Kinase to Phosphatase Activities of the Signaling Domain of the Hybrid <i>Escherichia coli</i> Transmembrane Receptor, Taz1. <i>Journal of Molecular Biology</i> , 1993, 232, 484-492.	2.0	81
243	Ligand Binding Induces an Asymmetrical Transmembrane Signal through a Receptor Dimer. <i>Journal of Molecular Biology</i> , 1993, 232, 493-498.	2.0	45
244	Crystal Structure of <i>Myxococcus xanthus</i> Nucleoside Diphosphate Kinase and its Interaction with a Nucleotide Substrate at 2.0 Å Resolution. <i>Journal of Molecular Biology</i> , 1993, 234, 1230-1247.	2.0	122
245	The retron: a bacterial retroelement required for the synthesis of msDNA. <i>Current Opinion in Genetics and Development</i> , 1993, 3, 713-718.	1.5	34
246	Intramolecular chaperones and protein folding. <i>Trends in Biochemical Sciences</i> , 1993, 18, 442-446.	3.7	164
247	Evaluation of the Use of Antisense tRNA as an Inhibitor for Eukaryotic Protein Synthesis. <i>Antisense Research and Development</i> , 1993, 3, 171-179.	3.3	2
248	The Backbone Structure of the Major Cold-Shock Protein CS7.4 of <i>Escherichia coli</i> in Solution Includes Extensive β -Sheet Structure. <i>Journal of Biochemistry</i> , 1993, 114, 663-669.	0.9	39
249	Functional analysis of the intramolecular chaperone. <i>Journal of Molecular Biology</i> , 1992, 226, 931-933.	2.0	49
250	The Effect of Amino Acid Deletion in Subtilisin E, Based on Structural Comparison with a Microbial Alkaline Elastase, on Its Substrate Specificity and Catalysis. <i>Journal of Biochemistry</i> , 1992, 111, 584-588.	0.9	21
251	Cold-sensitive growth and decreased GTP-hydrolytic activity from substitution of Pro17 for Val in Era, an essential <i>Escherichia coli</i> GTPase. <i>FEMS Microbiology Letters</i> , 1992, 95, 137-142.	0.7	17
252	Overproduction of a selenocysteine-containing polypeptide in <i>Escherichia coli</i> : the fdhF gene product. <i>Molecular Microbiology</i> , 1992, 6, 781-785.	1.2	24

#	ARTICLE	IF	CITATIONS
253	Studies on the Structure and Function of Subtilisin E by Protein Engineering. <i>Annals of the New York Academy of Sciences</i> , 1992, 672, 52-59.	1.8	2
254	Crystallization and preliminary X-ray diffraction analysis of nucleoside diphosphate kinase from <i>Myxococcus xanthus</i> . <i>Journal of Molecular Biology</i> , 1991, 220, 5-7.	2.0	7
255	Retroelements in bacteria. <i>Trends in Biochemical Sciences</i> , 1991, 16, 18-21.	3.7	27
256	A gene encoding a protein serine/threonine kinase is required for normal development of <i>M. xanthus</i> , a gram-negative bacterium. <i>Cell</i> , 1991, 67, 995-1006.	13.5	264
257	Nucleoside diphosphate kinase from <i>Escherichia coli</i> ; its overproduction and sequence comparison with eukaryotic enzymes. <i>Gene</i> , 1991, 105, 31-36.	1.0	79
258	Intramolecular Chaperone: The Role of the Pro-Peptide in Protein Folding. <i>Enzyme</i> , 1991, 45, 314-321.	0.7	93
259	msDNA of Bacteria. <i>Progress in Molecular Biology and Translational Science</i> , 1991, 40, 1-24.	1.9	19
260	Protein secretion in bacteria. <i>Current Opinion in Biotechnology</i> , 1991, 2, 661-667.	3.3	9
261	msDNA and Bacterial Reverse Transcriptase. <i>Annual Review of Microbiology</i> , 1991, 45, 163-186.	2.9	50
262	Signal peptide mutants of <i>Escherichia coli</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 1990, 22, 233-269.	1.0	100
263	Suppression of the negative effect of minor arginine codons on gene expression; preferential usage of minor codons within the first 25 codons of the <i>Escherichia coli</i> genes. <i>Nucleic Acids Research</i> , 1990, 18, 1465-1473.	6.5	236
264	Artificial Immune System against Viral Infection Involving Antisense RNA Targeted to the 5'-Terminal Noncoding Region of Coliphage SP RNA1. <i>Journal of Biochemistry</i> , 1989, 106, 163-166.	0.9	10
265	The Role of Pro-239 in the Catalysis and Heat Stability of Subtilisin E. <i>Journal of Biochemistry</i> , 1989, 105, 953-956.	0.9	19
266	Pro-sequence of subtilisin can guide the refolding of denatured subtilisin in an intermolecular process. <i>Nature</i> , 1989, 339, 483-484.	13.7	400
267	Reverse transcriptase associated with the biosynthesis of the branched RNA-linked msDNA in <i>Myxococcus xanthus</i> . <i>Cell</i> , 1989, 56, 709-717.	13.5	122
268	Reverse transcriptase with concomitant ribonuclease H activity in the cell-free synthesis of branched RNA-linked msDNA of <i>Myxococcus xanthus</i> . <i>Cell</i> , 1989, 56, 701-707.	13.5	83
269	A novel method for the cloning of chromosomal mutations in a single step: Isolation of two mutant alleles of <i>envZ</i> , an osmoregulatory gene from <i>Escherichia coli</i> . <i>Molecular Genetics and Genomics</i> , 1988, 213, 166-169.	2.4	3
270	A dominant mutation in <i>Escherichia coli</i> <i>OmpR</i> lies within a domain which is highly conserved in a large family of bacterial regulatory proteins. <i>Molecular Genetics and Genomics</i> , 1988, 211, 538-540.	2.4	17

#	ARTICLE	IF	CITATIONS
271	Environmentally Regulated Gene Expression for Membrane Proteins in Escherichia coli. Annual Review of Cell Biology, 1988, 4, 21-42.	26.0	123
272	Antisense RNA: its functions and applications in gene regulation – a review. Gene, 1988, 72, 25-34.	1.0	235
273	Small RNAs in the prokaryotes: A growing list of diverse roles. Cell, 1988, 53, 5-7.	13.5	69
274	A single amino acid determinant of the membrane localization of lipoproteins in E. coli. Cell, 1988, 53, 423-432.	13.5	349
275	[31]Cloning of the gene for protein S: A development-specific Ca^{2+} -binding protein from Myxococcus xanthus. Methods in Enzymology, 1987, 139, 380-390.	0.4	0
276	[31] Expression and secretion of foreign proteins in Escherichia coli. Methods in Enzymology, 1987, 153, 492-507.	0.4	55
277	The isolation and characterization of RNA coded by thematic gene in Escherichia coli. Nucleic Acids Research, 1987, 15, 2089-2101.	6.5	81
278	Biosynthesis and structure of stable branched RNA covalently linked to the 5' end of multicopy single-stranded DNA of Stigmatella aurantiaca. Cell, 1987, 48, 55-62.	13.5	62
279	Export and secretion of overproduced OmpA- β -lactamase in Escherichia coli. FEBS Letters, 1987, 224, 213-218.	1.3	13
280	Structure of msDNA from myxococcus xanthus: Evidence for a long, self-annealing RNA precursor for the covalently linked, branched RNA. Cell, 1987, 51, 1105-1112.	13.5	79
281	Branched RNA covalently linked to the 5' end of a single-stranded DNA in Stigmatella aurantiaca: Structure of msDNA. Cell, 1987, 48, 47-53.	13.5	74
282	Overproduction of an antisense RNA containing the oop RNA sequence of bacteriophage λ induces clear plaque formation. Molecular Genetics and Genomics, 1987, 210, 184-186.	2.4	16
283	[11] Use of secretion cloning vectors for guiding the localization of proteins in Escherichia coli. Methods in Enzymology, 1986, 125, 138-149.	0.4	11
284	Antisense RNA regulation in prokaryotes. Trends in Genetics, 1986, 2, 284-287.	2.9	20
285	Functional complementation between the two homologous genes, ops and tps, during differentiation of Myxococcus xanthus. Molecular Genetics and Genomics, 1985, 199, 434-439.	2.4	13
286	Binding of penicillin to thiol-penicillin-binding protein 3 of Escherichia coli: identification of its active site. Molecular Genetics and Genomics, 1985, 201, 499-504.	2.4	18
287	A novel immune system against bacteriophage infection using complementary RNA (micRNA). Nature, 1985, 315, 601-603.	13.7	123
288	The DNA sequence of the gene (rnc) encoding ribonuclease III of Escherichia coli. Nucleic Acids Research, 1985, 13, 4677-4685.	6.5	73

#	ARTICLE	IF	CITATIONS
289	Up-promoter mutations in the <i>lpp</i> gene of <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 1985, 13, 3101-3110.	6.5	128
290	Chapter 2 Structure and Function of the Signal Peptide. <i>Current Topics in Membranes and Transport</i> , 1985, 24, 65-104.	0.6	72
291	Mutations upstream of the ribosome-binding site affect translational efficiency. <i>Journal of Molecular Biology</i> , 1985, 181, 139-143.	2.0	44
292	Evolution of the lipoprotein gene in the enterobacteriaceae. <i>Journal of Molecular Biology</i> , 1985, 185, 501-507.	2.0	14
293	Improvement Of Oligonucleotide-Directed Site-Specific Mutagenesis Using Double-Stranded Plasmid DNA. <i>Nature Biotechnology</i> , 1984, 2, 636-639.	9.4	99
294	Novel High-level Expression Cloning Vehicles: 104-fold Amplification of <i>Escherichia coli</i> Minor Protein. <i>Nature Biotechnology</i> , 1984, 2, 81-85.	9.4	71
295	The use of RNAs complementary to specific mRNAs to regulate the expression of individual bacterial genes. <i>Cell</i> , 1984, 37, 429-436.	13.5	219
296	Roles of the 5' leader region of the <i>ompA</i> mRNA. <i>Journal of Molecular Biology</i> , 1984, 176, 431-442.	2.0	37
297	Multicopy single-stranded DNA isolated from a gram-negative bacterium, <i>Myxococcus xanthus</i> . <i>Cell</i> , 1984, 38, 203-209.	13.5	113
298	Specific stable RNA species of <i>Escherichia coli</i> affected by chloramphenicol. <i>FEMS Microbiology Letters</i> , 1983, 17, 31-34.	0.7	1
299	Effect of reduced membrane lipid fluidity on the biosynthesis of lipopolysaccharide of <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1983, 135, 351-357.	0.2	8
300	DNA sequence of the promoter region of the <i>ompC</i> gene and the amino acid sequence of the signal peptide of pro-OmpC protein in <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1983, 151, 159-164.	1.3	40
301	Further improvement on the phosphotriester synthesis of deoxyribonucleotides and the oligonucleotide directed site-specific mutagenesis of <i>E. coli</i> lipoprotein gene. <i>Nucleic Acids Research</i> , 1983, 11, 3227-3239.	6.5	30
302	Regulation of gene expression by a small RNA transcript (micRNA) in <i>Escherichia coli</i> K-12. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1983, 59, 335-338.	1.6	37
303	[12] Isolation of mutants of the major outer membrane lipoprotein of <i>Escherichia coli</i> for the study of its assembly. <i>Methods in Enzymology</i> , 1983, 97, 124-129.	0.4	3
304	[5] In Vivo and in Vitro systems for studying bacterial membrane biogenesis. <i>Methods in Enzymology</i> , 1983, 96, 74-84.	0.4	3
305	Association of the Lipoprotein Accumulated in the Presence of Globomycin with the Outer Membrane of <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1983, 130, 27-32.	0.2	34
306	Bacteriophage MS2 Lysis Protein Does Not Require Coat Protein to Mediate Cell Lysis. <i>Journal of Bacteriology</i> , 1983, 153, 1098-1100.	1.0	22

#	ARTICLE	IF	CITATIONS
307	Existence of several homologous sequences in the Escherichia coli chromosome to the gene for the major outer membrane lipoprotein. FEBS Letters, 1982, 137, 168-170.	1.3	5
308	Two-dimensional DNA electrophoresis applied to the study of DNA methylation and the analysis of genome size in Myxococcus xanthus. Journal of Molecular Biology, 1982, 154, 181-196.	2.0	59
309	Interactions of cAMP receptor protein with the ompA gene, a gene for a major outer membrane protein of Escherichia coli. FEBS Letters, 1981, 128, 186-190.	1.3	81
310	Inactivation of the Serratia marcescens gene for the lipoprotein in Escherichia coli by insertion sequences, IS1 and IS5; sequence analysis of junction points. Molecular Genetics and Genomics, 1981, 183, 107-114.	2.4	32
311	Secretion and Membrane Localization of Proteins in Escherichia Coli. Critical Reviews in Biochemistry, 1980, 7, 339-371.	7.5	429
312	Gene structure of the OmpA protein, a major surface protein of Escherichia coli required for cell-cell interaction. Journal of Molecular Biology, 1980, 143, 317-328.	2.0	124
313	SECRETION OF OUTER MEMBRANE PROTEINS OF ESCHERICHIA COLI ACROSS THE CYTOPLASMIC MEMBRANE. Annals of the New York Academy of Sciences, 1980, 343, 362-367.	1.8	5
314	Patterns of Protein Production in Myxococcus xanthus During Spore Formation Induced by Glycerol, Dimethyl Sulfoxide, and Phenethyl Alcohol. Journal of Bacteriology, 1980, 144, 1076-1082.	1.0	40
315	DNA sequence of the gene for the outer membrane lipoprotein of E. coli: an extremely AT-rich promoter. Cell, 1979, 18, 1109-1117.	13.5	216
316	Purification of the messenger ribonucleic acid for the lipoprotein of the Escherichia coli outer membrane. Biochemistry, 1979, 18, 4270-4277.	1.2	8
317	Lipid fluidity-dependent biosynthesis and assembly of the outer membrane proteins of E. coli. Cell, 1979, 17, 155-161.	13.5	98
318	Gene expression during development of Myxococcus xanthus: Pattern of protein synthesis. Developmental Biology, 1979, 68, 579-591.	0.9	157
319	Translocation and assembly of outer membrane proteins of Escherichia coli Selective accumulation of precursors and novel assembly intermediates caused by phenethyl alcohol. Journal of Molecular Biology, 1979, 130, 39-61.	2.0	167
320	Homology of the Gene Coding for Outer Membrane Lipoprotein Within Various Gram-Negative Bacteria. Journal of Bacteriology, 1979, 137, 595-604.	1.0	87
321	¹⁹ F- and ¹³ C-NMR studies of a specifically labelled lipoprotein in the Escherichia coli membrane. Biochemical and Biophysical Research Communications, 1977, 78, 1211-1218.	1.0	7
322	Synthetic ColE1 plasmids carrying genes for cell division in Escherichia coli. Plasmid, 1977, 1, 67-77.	0.4	57
323	Precursors of major outer membrane proteins of Escherichia coli. Biochemical and Biophysical Research Communications, 1977, 77, 1126-1133.	1.0	90
324	Translation of a specific mRNA from Escherichia coli in a eukaryotic cell-free system. Biochemical and Biophysical Research Communications, 1976, 68, 1194-1200.	1.0	28

#	ARTICLE	IF	CITATIONS
325	Protein Synthesis in Toluene-Treated <i>Escherichia coli</i> Exclusive Synthesis of Membrane Proteins. <i>FEBS Journal</i> , 1976, 69, 163-167.	0.2	37
326	Effect of neighboring nucleotide sequences on suppression efficiency in amber mutants of T4 phage lysozyme. <i>Molecular Genetics and Genomics</i> , 1976, 149, 1-4.	2.4	31
327	Biosynthesis of a Specific Lipoprotein of the <i>Escherichia coli</i> Outer Membrane on Polyribosomes. <i>FEBS Journal</i> , 1975, 60, 395-398.	0.2	10
328	Studies on the role of bacteriophage T7 lysozyme during phage infection. <i>Journal of Molecular Biology</i> , 1975, 96, 1-11.	2.0	44
329	DISCUSSION PAPER: BIOSYNTHESIS AND ASSEMBLY OF A STRUCTURAL LIPOPROTEIN IN THE ENVELOPE OF <i>ESCHERICHIA COLI</i> . <i>Annals of the New York Academy of Sciences</i> , 1974, 235, 83-90.	1.8	16
330	Outer membrane proteins of <i>Escherichia coli</i> : Biosynthesis and assembly. <i>FEBS Letters</i> , 1974, 39, 167-170.	1.3	69
331	Temperature-Sensitive Modification and Restriction Phenotypes of an <i>Escherichia coli dnaD</i> Mutant. <i>Journal of Bacteriology</i> , 1974, 119, 907-912.	1.0	8
332	Existence of a Free Form of a Specific Membrane Lipoprotein in Gram-Negative Bacteria. <i>Journal of Bacteriology</i> , 1974, 120, 1204-1208.	1.0	58
333	Specific Biosynthesis of an Envelope Protein of <i>Escherichia coli</i> . <i>Nature</i> , 1973, 242, 405-407.	13.7	70
334	Differential inhibitory effects of antibiotics on the biosynthesis of envelope proteins of <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1973, 79, 373-389.	2.0	188
335	Homogeneity of Envelope Proteins of <i>Escherichia coli</i> Separated by Gel Electrophoresis in Sodium Dodecyl Sulfate. <i>Journal of Bacteriology</i> , 1973, 113, 304-312.	1.0	108
336	Reversal by sodium chloride of envelope protein changes related to DNA replication and cell division of <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1972, 63, 597-600.	2.0	30
337	Cell division in <i>Escherichia coli</i> : Evidence for regulation of septation by effector molecules. <i>Journal of Molecular Biology</i> , 1972, 69, 119-136.	2.0	68
338	Molecular Basis of a Mutational Hot Spot in the Lysozyme Gene of Bacteriophage T4. <i>Nature</i> , 1972, 236, 338-341.	13.7	87
339	Specific Removal of Proteins from the Envelope of <i>Escherichia coli</i> by Protease Treatments. <i>Journal of Bacteriology</i> , 1972, 112, 585-592.	1.0	39
340	Pleiotropic Effect of the <i>recA</i> Gene of <i>Escherichia coli</i> : Uncoupling of Cell Division from Deoxyribonucleic Acid Replication. <i>Journal of Bacteriology</i> , 1971, 106, 539-542.	1.0	161
341	The Amino Acid Sequence of T4 Phage Lysozyme. <i>Journal of Biological Chemistry</i> , 1971, 246, 4100.	1.6	2
342	Frameshift mutation in the lysozyme gene of bacteriophage T4: Demonstration of the insertion of four bases and the preferential occurrence of base addition in acridine mutagenesis. <i>Journal of Molecular Biology</i> , 1970, 54, 199-217.	2.0	31

#	ARTICLE	IF	CITATIONS
343	Replacement of all tryptophan residues in T4 bacteriophage lysozyme by tyrosine residues. Journal of Molecular Biology, 1970, 50, 71-81.	2.0	14
344	Requirement of Polyamines for Bacterial Division. Journal of Bacteriology, 1970, 101, 770-776.	1.0	33
345	The lysozyme of a triple frame-shift mutant strain of bacteriophage T4. Journal of Molecular Biology, 1969, 40, 299-304.	2.0	8
346	Frameshift mutations resulting in the changes of the same amino acid residue (140) in T4 bacteriophage lysozyme and in vivo codons for Trp, Tyr, Met, Val and Ile. Journal of Molecular Biology, 1969, 41, 349-364.	2.0	24
347	Unlinking of Cell Division from Deoxyribonucleic Acid Replication in a Temperature-sensitive Deoxyribonucleic Acid Synthesis Mutant of <i>Escherichia coli</i> . Journal of Bacteriology, 1969, 99, 842-850.	1.0	103
348	Direction of translation of the lysozyme gene of bacteriophage T4 relative to the linkage map. Journal of Molecular Biology, 1968, 31, 607-612.	2.0	21
349	Amino acid sequence of T2 phage lysozyme. Journal of Molecular Biology, 1968, 37, 213-223.	2.0	44
350	Change of tryptophan residue at the 158th position of T4 bacteriophage lysozyme into a tyrosine residue by suppression and spontaneous reversion of an amber mutant. Journal of Molecular Biology, 1968, 33, 957-961.	2.0	8
351	Complete primary structure of phage lysozyme from <i>Escherichia coli</i> T4. Journal of Molecular Biology, 1968, 37, 201-212.	2.0	103
352	A frame-shift mutation resulting in the deletion of two base pairs in the lysozyme gene of bacteriophage T4. Journal of Molecular Biology, 1967, 30, 39-47.	2.0	26
353	The amino acid sequence of T4 bacteriophage lysozyme. Journal of Molecular Biology, 1966, 22, 193-196.	2.0	38
354	Glycogen Phosphorylase Activities of Tumors, Regenerating Rat Liver and Suckling Rat Liver. Journal of Biochemistry, 1961, 49, 303-306.	0.9	5
355	APPENDIX: Some Properties of DNP-Amines*. Journal of Biochemistry, 1961, 50, 157-158.	0.9	8
356	STUDIES ON TAKA-ACYLASE. Journal of Biochemistry, 1960, 48, 603-616.	0.9	2
357	STUDIES ON TAKA-ACYLASE. Journal of Biochemistry, 1960, 48, 745-757.	0.9	0
358	Cold shock and adaptation. , 0, .		4
359	Enhancement of frame-shift mutation by the overproduction of msDNA in <i>Escherichia coli</i> . , 0, .		2
360	The Cold-Shock Response. , 0, , 180-193.		7