

Masayori Inouye

List of Publications by Year in descending order

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360
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4370

86
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10708

138
g-index

364
all docs

364
docs citations

364
times ranked

14106
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein production and purification. <i>Nature Methods</i> , 2008, 5, 135-146.	9.0	763
2	CspA, 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
3	Toxin-Antitoxin Systems in Bacteria and Archaea. <i>Annual Review of Genetics</i> , 2011, 45, 61-79.	3.2	557
4	MazF Cleaves Cellular mRNAs Specifically at ACA to Block Protein Synthesis in <i>Escherichia coli</i> . <i>Molecular Cell</i> , 2003, 12, 913-923.	4.5	511
5	Secretion and Membrane Localization of Proteins in <i>Escherichia Coli</i> . <i>Critical Reviews in Biochemistry</i> , 1980, 7, 339-371.	7.5	429
6	The cold-shock response ? a hot topic. <i>Molecular Microbiology</i> , 1994, 11, 811-818.	1.2	420
7	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
8	A single amino acid determinant of the membrane localization of lipoproteins in <i>E. coli</i> . <i>Cell</i> , 1988, 53, 423-432.	13.5	349
9	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
10	Cold-shock response and cold-shock proteins. <i>Current Opinion in Microbiology</i> , 1999, 2, 175-180.	2.3	330
11	Cold shock and adaptation. <i>BioEssays</i> , 1998, 20, 49-57.	1.2	326
12	The CspA family in <i>Escherichia coli</i> : multiple gene duplication for stress adaptation. <i>Molecular Microbiology</i> , 1998, 27, 247-255.	1.2	309
13	Cold-shock induced high-yield protein production in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 2004, 22, 877-882.	9.4	307
14	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
15	EnvZ-OmpR Interaction and Osmoregulation in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 24155-24161.	1.6	253
16	NMR structure of the histidine kinase domain of the <i>E. coli</i> osmosensor EnvZ. <i>Nature</i> , 1998, 396, 88-92.	13.7	248
17	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
18	Antisense RNA: its functions and applications in gene regulation – a review. <i>Gene</i> , 1988, 72, 25-34.	1.0	235

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19	The expression profile of microRNAs in mouse embryos. <i>Nucleic Acids Research</i> , 2006, 34, 1765-1771.	6.5	232
20	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
21	Histidine kinases: diversity of domain organization. <i>Molecular Microbiology</i> , 1999, 34, 633-640.	1.2	227
22	MazF, an mRNA Interferase, Mediates Programmed Cell Death during Multicellular <i>Myxococcus</i> Development. <i>Cell</i> , 2008, 132, 55-66.	13.5	226
23	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
24	DNA sequence of the gene for the outer membrane lipoprotein of <i>E. coli</i> : an extremely AT-rich promoter. <i>Cell</i> , 1979, 18, 1109-1117.	13.5	216
25	Acquirement of cold sensitivity by quadruple deletion of the <i>cspA</i> family and its suppression by PNPase S1 domain in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2001, 40, 179-188.	1.2	211
26	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
27	Insights into the mRNA Cleavage Mechanism by MazF, an mRNA Interferase. <i>Journal of Biological Chemistry</i> , 2005, 280, 3143-3150.	1.6	204
28	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
29	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
30	Genome-Wide Transcriptional Analysis of the Cold Shock Response in Wild-Type and Cold-Sensitive, Quadruple- <i>csp</i> -Deletion Strains of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2004, 186, 7007-7014.	1.0	184
31	Signal transduction via the histidyl- ϵ -aspartyl phosphorelay. <i>Genes To Cells</i> , 1997, 2, 167-184.	0.5	172
32	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
33	Translocation and assembly of outer membrane proteins of <i>Escherichia coli</i> Selective accumulation of precursors and novel assembly intermediates caused by phenethyl alcohol. <i>Journal of Molecular Biology</i> , 1979, 130, 39-61.	2.0	167
34	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
35	Intramolecular chaperones and protein folding. <i>Trends in Biochemical Sciences</i> , 1993, 18, 442-446.	3.7	164
36	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

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37	Gene expression during development of <i>Myxococcus xanthus</i> : Pattern of protein synthesis. <i>Developmental Biology</i> , 1979, 68, 579-591.	0.9	157
38	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
39	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
40	The crystal structure of an autoprocessed Ser221Cys-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
41	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
42	Deletion analysis of cspA of <i>Escherichia coli</i> : requirement of the AT-rich UP element for cspA 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
43	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
44	The Nucleic Acid Melting Activity of <i>Escherichia coli</i> CspE Is Critical for Transcription Antitermination and Cold Acclimation of Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 7239-7245.	1.6	141
45	Single Protein Production in Living Cells Facilitated by an mRNA Interferase. <i>Molecular Cell</i> , 2005, 18, 253-261.	4.5	138
46	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
47	Transcription Regulation of ompF and ompC by a Single Transcription Factor, OmpR. <i>Journal of Biological Chemistry</i> , 2006, 281, 17114-17123.	1.6	133
48	Intramolecular chaperones: polypeptide extensions that modulate protein folding. <i>Seminars in Cell and Developmental Biology</i> , 2000, 11, 35-44.	2.3	129
49	Up-promoter mutations in the ppg gene of <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 1985, 13, 3101-3110.	6.5	128
50	CspI, the Ninth Member of the CspA Family of <i>Escherichia coli</i> , Is Induced upon Cold Shock. <i>Journal of Bacteriology</i> , 1999, 181, 1603-1609.	1.0	128
51	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
52	Gene structure of the OmpA protein, a major surface protein of <i>Escherichia coli</i> required for cell-cell interaction. <i>Journal of Molecular Biology</i> , 1980, 143, 317-328.	2.0	124
53	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
54	Characterization of mRNA Interferases from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 18638-18643.	1.6	124

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55	A novel immune system against bacteriophage infection using complementary RNA (micRNA). <i>Nature</i> , 1985, 315, 601-603.	13.7	123
56	Environmentally Regulated Gene Expression for Membrane Proteins in <i>Escherichia coli</i> . <i>Annual Review of Cell Biology</i> , 1988, 4, 21-42.	26.0	123
57	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
58	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
59	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
60	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
61	Tandem Binding of Six OmpR Proteins to the ompF Upstream Regulatory Sequence of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 26849-26856.	1.6	120
62	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
63	Robotic Cloning and Protein Production Platform of the Northeast Structural Genomics Consortium. <i>Methods in Enzymology</i> , 2005, 394, 210-243.	0.4	118
64	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
65	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
66	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
67	Interference of mRNA Function by Sequence-specific Endoribonuclease PemK. <i>Journal of Biological Chemistry</i> , 2004, 279, 20678-20684.	1.6	117
68	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
69	Multicopy single-stranded DNA isolated from a gram-negative bacterium, <i>Myxococcus xanthus</i> . <i>Cell</i> , 1984, 38, 203-209.	13.5	113
70	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
71	Acetaminophen Toxicity. <i>Journal of Biological Chemistry</i> , 1999, 274, 10349-10355.	1.6	109
72	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

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73	Complete primary structure of phage lysozyme from <i>Escherichia coli</i> T4. <i>Journal of Molecular Biology</i> , 1968, 37, 201-212.	2.0	103
74	Characterization of ChpBK, an mRNA Interferase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 26080-26088.	1.6	103
75	Unlinking of Cell Division from Deoxyribonucleic Acid Replication in a Temperature-sensitive Deoxyribonucleic Acid Synthesis Mutant of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1969, 99, 842-850.	1.0	103
76	The Gene for Nucleoside Diphosphate Kinase Functions as a Mutator Gene in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1995, 254, 337-341.	2.0	101
77	Signal peptide mutants of <i>Escherichia coli</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 1990, 22, 233-269.	1.0	100
78	Improvement Of Oligonucleotide-Directed Site-Specific Mutagenesis Using Double-Stranded Plasmid DNA. <i>Nature Biotechnology</i> , 1984, 2, 636-639.	9.4	99
79	Folding Pathway Mediated by an Intramolecular Chaperone. <i>Journal of Biological Chemistry</i> , 2001, 276, 44427-44434.	1.6	99
80	Lipid fluidity-dependent biosynthesis and assembly of the outer membrane proteins of <i>E. coli</i> . <i>Cell</i> , 1979, 17, 155-161.	13.5	98
81	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
82	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
83	<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
84	The mRNA interferases, MazF Δ 3 and MazF Δ 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
85	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
86	Intramolecular Chaperone: The Role of the Pro-Peptide in Protein Folding. <i>Enzyme</i> , 1991, 45, 314-321.	0.7	93
87	CspA, CspB, and CspG, 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
88	Functional Analysis of the Propeptide of Subtilisin E as an Intramolecular Chaperone for Protein Folding. <i>Journal of Biological Chemistry</i> , 1995, 270, 25127-25132.	1.6	92
89	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
90	Precursors of major outer membrane proteins of <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 1977, 77, 1126-1133.	1.0	90

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91	Characterization of the Interactions within the mazEF Addiction Module of Escherichia coli. Journal of Biological Chemistry, 2003, 278, 32300-32306.	1.6	90
92	Molecular Basis of a Mutational Hot Spot in the Lysozyme Gene of Bacteriophage T4. Nature, 1972, 236, 338-341.	13.7	87
93	Cold-shock induction of a family of TIP1-related proteins associated with the membrane in Saccharomyces cerevisiae. Molecular Microbiology, 1995, 15, 341-353.	1.2	87
94	Homology of the Gene Coding for Outer Membrane Lipoprotein Within Various Gram-Negative Bacteria. Journal of Bacteriology, 1979, 137, 595-604.	1.0	87
95	The tandem GTPase, Der, is essential for the biogenesis of 50S ribosomal subunits in Escherichia coli. Molecular Microbiology, 2006, 61, 1660-1672.	1.2	85
96	Reverse transcriptase with concomitant ribonuclease H activity in the cell-free synthesis of branched RNA-linked msDNA of Myxococcus xanthus. Cell, 1989, 56, 701-707.	13.5	83
97	The Role of RbfA in 16S rRNA Processing and Cell Growth at Low Temperature in Escherichia coli. Journal of Molecular Biology, 2003, 332, 575-584.	2.0	83
98	Structural Mechanism of Transcriptional Autorepression of the Escherichia coli RelB/RelE Antitoxin/Toxin Module. Journal of Molecular Biology, 2008, 380, 107-119.	2.0	82
99	Noncognate Mycobacterium tuberculosis Toxin-Antitoxins Can Physically and Functionally Interact. Journal of Biological Chemistry, 2010, 285, 39732-39738.	1.6	82
100	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
101	The isolation and characterization of RNA coded by the msd gene in Escherichia coli. Nucleic Acids Research, 1987, 15, 2089-2101.	6.5	81
102	Ligand Binding to the Receptor Domain Regulates the Ratio of Kinase to Phosphatase Activities of the Signaling Domain of the Hybrid Escherichia coli Transmembrane Receptor, Taz1. Journal of Molecular Biology, 1993, 232, 484-492.	2.0	81
103	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
104	Nucleoside diphosphate kinase from Escherichia coli; its overproduction and sequence comparison with eukaryotic enzymes. Gene, 1991, 105, 31-36.	1.0	79
105	Requirement of Both Kinase and Phosphatase Activities of an Escherichia coli Receptor (Taz1) for Ligand-dependent Signal Transduction. Journal of Molecular Biology, 1993, 231, 335-342.	2.0	79
106	Mutation Analysis of the 5' Untranslated Region of the Cold Shock cspA mRNA of Escherichia coli. Journal of Bacteriology, 1999, 181, 6284-6291.	1.0	79
107	Characterization of Escherichia coli cspE, whose product negatively regulates transcription of cspA, the gene for the major cold shock protein. Molecular Microbiology, 1999, 31, 1429-1441.	1.2	77
108	Structural Basis of mRNA Recognition and Cleavage by Toxin MazF and Its Regulation by Antitoxin MazE in Bacillus subtilis. Molecular Cell, 2013, 52, 447-458.	4.5	77

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109	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
110	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
111	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
112	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
113	Branched RNA covalently linked to the 5' end of a single-stranded DNA in <i>Stigmatella aurantiaca</i> : Structure of msDNA. <i>Cell</i> , 1987, 48, 47-53.	13.5	74
114	The DNA sequence of the gene (<i>rnc</i>) encoding ribonuclease III of <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 1985, 13, 4677-4685.	6.5	73
115	Chapter 2 Structure and Function of the Signal Peptide. <i>Current Topics in Membranes and Transport</i> , 1985, 24, 65-104.	0.6	72
116	MazG, a Nucleoside Triphosphate Pyrophosphohydrolase, Interacts with Era, an Essential GTPase in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2002, 184, 5323-5329.	1.0	72
117	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
118	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
119	Specific Biosynthesis of an Envelope Protein of <i>Escherichia coli</i> . <i>Nature</i> , 1973, 242, 405-407.	13.7	70
120	Outer membrane proteins of <i>Escherichia coli</i> : Biosynthesis and assembly. <i>FEBS Letters</i> , 1974, 39, 167-170.	1.3	69
121	Small RNAs in the prokaryotes: A growing list of diverse roles. <i>Cell</i> , 1988, 53, 5-7.	13.5	69
122	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
123	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
124	<i>Bacillus subtilis</i> MazF (EndoA) is a UACAU-specific mRNA interferase. <i>FEBS Letters</i> , 2011, 585, 2526-2532.	1.3	69
125	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
126	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

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127	Nucleoside-diphosphate Kinase-mediated Signal Transduction via Histidyl-Aspartyl Phosphorelay Systems in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 32886-32893.	1.6	67
128	A Pathway for Conformational Diversity in Proteins Mediated by Intramolecular Chaperones. <i>Journal of Biological Chemistry</i> , 1999, 274, 15615-15621.	1.6	67
129	Reverse Phosphotransfer from OmpR to EnvZ in a Kinase ⁺ /Phosphatase ⁻ Mutant of EnvZ (EnvZ ^{N347D}), a Bifunctional Signal Transducer of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 1424-1429.	1.6	66
130	Three Amino Acids in <i>Escherichia coli</i> 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
131	Folding Pathway Mediated by an Intramolecular Chaperone. <i>Journal of Biological Chemistry</i> , 2000, 275, 16871-16878.	1.6	65
132	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
133	Domain Arrangement of Der, a Switch Protein Containing Two GTPase Domains. <i>Structure</i> , 2002, 10, 1649-1658.	1.6	64
134	<i>Escherichia coli</i> RNase R Has Dual Activities, Helicase and RNase. <i>Journal of Bacteriology</i> , 2010, 192, 1344-1352.	1.0	64
135	Biosynthesis and structure of stable branched RNA covalently linked to the 5' end of multicopy single-stranded DNA of <i>Stigmatella aurantiaca</i> . <i>Cell</i> , 1987, 48, 55-62.	13.5	62
136	Single protein production (SPP) system in <i>Escherichia coli</i> . <i>Nature Protocols</i> , 2007, 2, 1802-1810.	5.5	62
137	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
138	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
139	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
140	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
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142	Growth and Translation Inhibition through Sequence-specific RNA Binding by <i>Mycobacterium tuberculosis</i> VapC Toxin. <i>Journal of Biological Chemistry</i> , 2012, 287, 12835-12847.	1.6	60
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