C Georgopoulos

List of Publications by Year in Descending Order

160 papers	17,264 citations	75 h-index	129 g-index
160 ext. papers	17,795 ext. citations	8.4 avg, IF	6.12 L-index

#	Paper	IF	Citations
160	A novel mutation in the HSPD1 gene in a patient with hereditary spastic paraplegia. *Journal of Neurology*, **2007**, 254, 897-900	5.5	44
159	Trigger Factor can antagonize both SecB and DnaK/DnaJ chaperone functions in Escherichia coli. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 3101-6	11.5	66
158	SecB is a bona fide generalized chaperone in Escherichia coli. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 7583-8	11.5	94
157	The importance of a mobile loop in regulating chaperonin/ co-chaperonin interaction: humans versus Escherichia coli. *Journal of Biological Chemistry*, **2001**, 276, 4981-7	5.4	57
156	Pseudo-T-even bacteriophage RB49 encodes CocO, a cochaperonin for GroEL, which can substitute for Escherichia coli's GroES and bacteriophage T4's Gp31. *Journal of Biological Chemistry*, **2001**, 276, 8720-6	5.4	25
155	The djlA gene acts synergistically with dnaJ in promoting Escherichia coli growth. *Journal of Bacteriology*, **2001**, 183, 5747-50	3.5	27
154	Structure-function analysis of the zinc-binding region of the Clpx molecular chaperone. *Journal of Biological Chemistry*, **2001**, 276, 18843-8	5.4	35
153	DjlA is a third DnaK co-chaperone of Escherichia coli, and DjlA-mediated induction of colanic acid capsule requires DjlA-DnaK interaction. *Journal of Biological Chemistry*, **2001**, 276, 7906-12	5.4	53
152	Identification of important amino acid residues that modulate binding of Escherichia coli GroEL to its various cochaperones. *Genetics*, **2001**, 158, 507-17	4	20
151	Genetic analysis of bacteriophage-encoded cochaperonins. *Annual Review of Genetics*, **2000**, 34, 439-456	14.5	38
150	Compensatory changes in GroEL/Gp31 affinity as a mechanism for allele-specific genetic interaction. *Journal of Biological Chemistry*, **1999**, 274, 52-8	5.4	30
149	Recognition, targeting, and hydrolysis of the lambda O replication protein by the ClpP/ClpX protease. *Journal of Biological Chemistry*, **1999**, 274, 13999-4005	5.4	76
148	On the mechanism of FtsH-dependent degradation of the sigma 32 transcriptional regulator of Escherichia coli and the role of the Dnak chaperone machine. *Molecular Microbiology*, **1999**, 31, 157-66	4.1	74
147	Polypeptide flux through bacterial Hsp70: DnaK cooperates with trigger factor in chaperoning nascent chains. *Cell*, **1999**, 97, 755-65	56.2	344
146	Genetic analysis of the bacteriophage T4-encoded cochaperonin Gp31. *Genetics*, **1999**, 152, 1449-57	4	21
145	The oligomeric structure of GroEL/GroES is required for biologically significant chaperonin function in protein folding. *Nature Structural Biology*, **1998**, 5, 977-85		60
144	The ins and outs of a molecular chaperone machine. *Trends in Biochemical Sciences*, **1998**, 23, 138-43	10.3	100

143	Genetic and biochemical characterization of mutations affecting the carboxy-terminal domain of the Escherichia coli molecular chaperone DnaJ. *Molecular Microbiology*, **1998**, 30, 329-40	4.1	34
142	Function of Escherichia coli MsbA, an essential ABC family transporter, in lipid A and phospholipid biosynthesis. *Journal of Biological Chemistry*, **1998**, 273, 12466-75	5.4	268
141	Formation of the preprimosome protects lambda O from RNA transcription-dependent proteolysis by ClpP/ClpX. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 15259-63	11.5	26
140	The T/t common exon of simian virus 40, JC, and BK polyomavirus T antigens can functionally replace the J-domain of the Escherichia coli DnaJ molecular chaperone. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 3679-84	11.5	145
139	Purification and biochemical properties of Saccharomyces cerevisiae Mdj1p, the mitochondrial DnaJ homologue. *Journal of Biological Chemistry*, **1997**, 272, 28539-44	5.4	24
138	Structure-function analyses of the Ssc1p, Mdj1p, and Mge1p Saccharomyces cerevisiae mitochondrial proteins in Escherichia coli. *Journal of Bacteriology*, **1997**, 179, 6066-75	3.5	48
137	Positive control of the two-component RcsC/B signal transduction network by DjlA: a member of the DnaJ family of molecular chaperones in Escherichia coli. *Molecular Microbiology*, **1997**, 25, 913-31	4.1	88
136	Modulation of the Escherichia coli sigmaE (RpoE) heat-shock transcription-factor activity by the RseA, RseB and RseC proteins. *Molecular Microbiology*, **1997**, 24, 355-71	4.1	296
135	NMR structure of the J-domain and the Gly/Phe-rich region of the Escherichia coli DnaJ chaperone. *Journal of Molecular Biology*, **1996**, 260, 236-50	6.5	164
134	In vivo protein folding: suppressor analysis of mutations in the groES cochaperone gene of Escherichia coli. *FASEB Journal*, **1996**, 10, 148-52	0.9	6
133	Structure-function analysis of the Escherichia coli GrpE heat shock protein.. *EMBO Journal*, **1996**, 15, 4806-4816	13	36
132	Interplay of structure and disorder in cochaperonin mobile loops. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 11622-7	11.5	72
131	Identification and characterization of HsIV HsIU (ClpQ ClpY) proteins involved in overall proteolysis of misfolded proteins in Escherichia coli.. *EMBO Journal*, **1996**, 15, 6899-6909	13	129
130	Mutational analysis and properties of the msbA gene of Escherichia coli, coding for an essential ABC family transporter. *Molecular Microbiology*, **1996**, 20, 1221-33	4.1	107
129	Purification and biochemical properties of Saccharomyces cerevisiae Mge1p, the mitochondrial cochaperone of Ssc1p. *Journal of Biological Chemistry*, **1996**, 271, 23960-6	5.4	30
128	Structure-function analysis of the zinc finger region of the DnaJ molecular chaperone. *Journal of Biological Chemistry*, **1996**, 271, 14840-8	5.4	119
127	Structure-function analysis of the Escherichia coli GrpE heat shock protein. *EMBO Journal*, **1996**, 15, 4806-16	13	14
126	Identification and characterization of HsIV HsIU (ClpQ ClpY) proteins involved in overall proteolysis of misfolded proteins in Escherichia coli. *EMBO Journal*, **1996**, 15, 6899-909	13	52

125	The Escherichia coli heat shock response and bacteriophage lambda development. *FEMS Microbiology Reviews*, **1995**, 17, 159-69	15.1	33
124	Both ambient temperature and the DnaK chaperone machine modulate the heat shock response in Escherichia coli by regulating the switch between sigma 70 and sigma 32 factors assembled with RNA polymerase.. *EMBO Journal*, **1995**, 14, 5085-5093	13	53
123	ATP hydrolysis is required for the DnaJ-dependent activation of DnaK chaperone for binding to both native and denatured protein substrates. *Journal of Biological Chemistry*, **1995**, 270, 19307-11	5.4	57
122	The rpoE gene encoding the sigma E (sigma 24) heat shock sigma factor of Escherichia coli.. *EMBO Journal*, **1995**, 14, 1043-1055	13	224
121	The ClpX heat-shock protein of Escherichia coli, the ATP-dependent substrate specificity component of the ClpP-ClpX protease, is a novel molecular chaperone.. *EMBO Journal*, **1995**, 14, 1867-1877	13	187
120	The conserved G/F motif of the DnaJ chaperone is necessary for the activation of the substrate binding properties of the DnaK chaperone. *Journal of Biological Chemistry*, **1995**, 270, 2139-44	5.4	105
119	The DnaJ chaperone catalytically activates the DnaK chaperone to preferentially bind the sigma 32 heat shock transcriptional regulator. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 6224-8	11.5	100
118	Both ambient temperature and the DnaK chaperone machine modulate the heat shock response in Escherichia coli by regulating the switch between sigma 70 and sigma 32 factors assembled with RNA polymerase. *EMBO Journal*, **1995**, 14, 5085-93	13	20
117	The rpoE gene encoding the sigma E (sigma 24) heat shock sigma factor of Escherichia coli. *EMBO Journal*, **1995**, 14, 1043-55	13	120
116	The ClpX heat-shock protein of Escherichia coli, the ATP-dependent substrate specificity component of the ClpP-ClpX protease, is a novel molecular chaperone. *EMBO Journal*, **1995**, 14, 1867-77	13	88
115	Heat shock proteins as carrier molecules: in vivo helper effect mediated by Escherichia coli GroEL and DnaK proteins requires cross-linking with antigen. *Clinical and Experimental Immunology*, **1994**, 98, 229-33	6.2	30
114	Two classes of extragenic suppressor mutations identify functionally distinct regions of the GroEL chaperone of Escherichia coli. *Journal of Bacteriology*, **1994**, 176, 6558-65	3.5	18
113	Isolation and characterization of point mutations in the Escherichia coli grpE heat shock gene. *Journal of Bacteriology*, **1994**, 176, 6965-73	3.5	34
112	A mitochondrial homolog of bacterial GrpE interacts with mitochondrial hsp70 and is essential for viability.. *EMBO Journal*, **1994**, 13, 1998-2006	13	138
111	Bacteriophage T4 encodes a co-chaperonin that can substitute for Escherichia coli GroES in protein folding. *Nature*, **1994**, 368, 654-6	50.4	98
110	NMR structure determination of the Escherichia coli DnaJ molecular chaperone: secondary structure and backbone fold of the N-terminal region (residues 2-108) containing the highly conserved J domain. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 11343-7	11.5	138
109	The NH2-terminal 108 amino acids of the Escherichia coli DnaJ protein stimulate the ATPase activity of DnaK and are sufficient for lambda replication. *Journal of Biological Chemistry*, **1994**, 269, 5446-51	5.4	220
108	A mitochondrial homolog of bacterial GrpE interacts with mitochondrial hsp70 and is essential for viability. *EMBO Journal*, **1994**, 13, 1998-2006	13	51

107	The Escherichia coli dsbC (xprA) gene encodes a periplasmic protein involved in disulfide bond formation. *EMBO Journal*, **1994**, 13, 2013-20	13	74
106	The NH2-terminal 108 amino acids of the Escherichia coli DnaJ protein stimulate the ATPase activity of DnaK and are sufficient for lambda replication.. *Journal of Biological Chemistry*, **1994**, 269, 5446-5451	5.4	216
105	Sequence analysis and phenotypic characterization of groEL mutations that block lambda and T4 bacteriophage growth. *Journal of Bacteriology*, **1993**, 175, 1134-43	3.5	62
104	The Escherichia coli heat shock gene htpY: mutational analysis, cloning, sequencing, and transcriptional regulation. *Journal of Bacteriology*, **1993**, 175, 2613-24	3.5	51
103	Identification and characterization of the Escherichia coli gene dsbB, whose product is involved in the formation of disulfide bonds in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 7084-8	11.5	218
102	Autoregulation of the Escherichia coli heat shock response by the DnaK and DnaJ heat shock proteins. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 11019-23	11.5	113
101	Identification and transcriptional analysis of the Escherichia coli htrE operon which is homologous to pap and related pilin operons. *Journal of Bacteriology*, **1993**, 175, 5009-21	3.5	36
100	Molecular characterization of the Escherichia coli htrD gene: cloning, sequence, regulation, and involvement with cytochrome d oxidase. *Journal of Bacteriology*, **1993**, 175, 166-75	3.5	32
99	Characterization of a functionally important mobile domain of GroES. *Nature*, **1993**, 364, 255-8	50.4	213
98	The essential Escherichia coli msbA gene, a multicopy suppressor of null mutations in the htrB gene, is related to the universally conserved family of ATP-dependent translocators. *Molecular Microbiology*, **1993**, 7, 69-79	4.1	130
97	Role of the major heat shock proteins as molecular chaperones. *Annual Review of Cell Biology*, **1993**, 9, 601-34		900
96	Both the Escherichia coli chaperone systems, GroEL/GroES and DnaK/DnaJ/GrpE, can reactivate heat-treated RNA polymerase. Different mechanisms for the same activity. *Journal of Biological Chemistry*, **1993**, 268, 25425-31	5.4	95
95	Isolation and characterization of ClpX, a new ATP-dependent specificity component of the Clp protease of Escherichia coli. *Journal of Biological Chemistry*, **1993**, 268, 22609-17	5.4	186
94	Initiation of lambda DNA replication. The Escherichia coli small heat shock proteins, DnaJ and GrpE, increase DnaK's affinity for the lambda P protein. *Journal of Biological Chemistry*, **1993**, 268, 4821-7	5.4	57
93	Isolation and characterization of ClpX, a new ATP-dependent specificity component of the Clp protease of Escherichia coli.. *Journal of Biological Chemistry*, **1993**, 268, 22609-22617	5.4	192
92	Initiation of lambda DNA replication. The Escherichia coli small heat shock proteins, DnaJ and GrpE, increase DnaK's affinity for the lambda P protein.. *Journal of Biological Chemistry*, **1993**, 268, 4821-4827	5.4	57
91	Both the Escherichia coli chaperone systems, GroEL/GroES and DnaK/DnaJ/GrpE, can reactivate heat-treated RNA polymerase. Different mechanisms for the same activity.. *Journal of Biological Chemistry*, **1993**, 268, 25425-25431	5.4	99
90	Function of the GrpE heat shock protein in bidirectional unwinding and replication from the origin of phage lambda.. *Journal of Biological Chemistry*, **1993**, 268, 25192-25196	5.4	11

89	The DnaK chaperone modulates the heat shock response of Escherichia coli by binding to the sigma 32 transcription factor. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 3516-20	11.5	173
88	The emergence of the chaperone machines. *Trends in Biochemical Sciences*, **1992**, 17, 295-9	10.3	213
87	The lethal phenotype caused by null mutations in the Escherichia coli htrB gene is suppressed by mutations in the accBC operon, encoding two subunits of acetyl coenzyme A carboxylase. *Journal of Bacteriology*, **1992**, 174, 7407-18	3.5	46
86	Physical map locations of the trxB, htrD, cydC, and cydD genes of Escherichia coli. *Journal of Bacteriology*, **1992**, 174, 3824-5	3.5	15
85	The essential Escherichia coli msgB gene, a multicopy suppressor of a temperature-sensitive allele of the heat shock gene grpE, is identical to dapE. *Journal of Bacteriology*, **1992**, 174, 5258-64	3.5	16
84	Isolation and characterization of the Escherichia coli htrD gene, whose product is required for growth at high temperatures. *Journal of Bacteriology*, **1992**, 174, 1240-7	3.5	21
83	Isolation and characterization of the Escherichia coli msbB gene, a multicopy suppressor of null mutations in the high-temperature requirement gene htrB. *Journal of Bacteriology*, **1992**, 174, 702-10	3.5	99
82	arc-dependent thermal regulation and extragenic suppression of the Escherichia coli cytochrome d operon. *Journal of Bacteriology*, **1992**, 174, 6554-62	3.5	56
81	The purification and properties of the scaffolding protein of bacteriophage lambda.. *Journal of Biological Chemistry*, **1992**, 267, 455-461	5.4	18
80	Bacteriophage DNA Replication and the Role of the Universally Conserved dnaK, dnaJ and grpE Heat Shock Proteins **1992**, 359-368		
79	Sequencing, mutational analysis, and transcriptional regulation of the Escherichia coli htrB gene. *Molecular Microbiology*, **1991**, 5, 2285-92	4.1	41
78	Escherichia coli DnaJ and GrpE heat shock proteins jointly stimulate ATPase activity of DnaK. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 2874-8	11.5	750
77	The htrM gene, whose product is essential for Escherichia coli viability only at elevated temperatures, is identical to the rfaD gene. *Nucleic Acids Research*, **1991**, 19, 3811-9	20.1	46
76	Complex phenotypes of null mutations in the htr genes, whose products are essential for Escherichia coli growth at elevated temperatures. *Research in Microbiology*, **1991**, 142, 289-94	4	20
75	The universally conserved GroE (Hsp60) chaperonins. *Annual Review of Microbiology*, **1991**, 45, 301-25	17.5	249
74	The Escherichia coli htrP gene product is essential for bacterial growth at high temperatures: mapping, cloning, sequencing, and transcriptional regulation of htrP. *Journal of Bacteriology*, **1991**, 173, 5999-6008	3.5	23
73	Isolation and characterization of the Escherichia coli htrB gene, whose product is essential for bacterial viability above 33 degrees C in rich media. *Journal of Bacteriology*, **1991**, 173, 741-50	3.5	85
72	Identification of the Escherichia coli sohB gene, a multicopy suppressor of the HtrA (DegP) null phenotype. *Journal of Bacteriology*, **1991**, 173, 5763-70	3.5	35

71	Biological role and regulation of the universally conserved heat shock proteins. *Journal of Biological Chemistry*, **1991**, 266, 24233-6	5.4	201
70	The Escherichia coli DnaK chaperone, the 70-kDa heat shock protein eukaryotic equivalent, changes conformation upon ATP hydrolysis, thus triggering its dissociation from a bound target protein. *Journal of Biological Chemistry*, **1991**, 266, 14491-6	5.4	184
69	The Biological Role of the Universally Conserved E. coli Heat Shock Proteins **1991**, 45-53		2
68	Biological role and regulation of the universally conserved heat shock proteins.. *Journal of Biological Chemistry*, **1991**, 266, 24233-24236	5.4	221
67	The Escherichia coli DnaK chaperone, the 70-kDa heat shock protein eukaryotic equivalent, changes conformation upon ATP hydrolysis, thus triggering its dissociation from a bound target protein. *Journal of Biological Chemistry*, **1991**, 266, 14491-14496	5.4	187
66	Analysis of an Escherichia coli dnaB temperature-sensitive insertion mutation and its cold-sensitive extragenic suppressor. *Journal of Biological Chemistry*, **1991**, 266, 3654-3660	5.4	16
65	The HtrA (DegP) protein, essential for Escherichia coli survival at high temperatures, is an endopeptidase. *Journal of Bacteriology*, **1990**, 172, 1791-7	3.5	273
64	Isolation and characterization of dnaJ null mutants of Escherichia coli. *Journal of Bacteriology*, **1990** , 172, 4827-35	3.5	88
63	A new Escherichia coli heat shock gene, htrC, whose product is essential for viability only at high temperatures. *Journal of Bacteriology*, **1990**, 172, 3417-26	3.5	52
62	Identification, cloning, and characterization of the Escherichia coli sohA gene, a suppressor of the htrA (degP) null phenotype. *Journal of Bacteriology*, **1990**, 172, 1587-94	3.5	21
61	The Escherichia coli heat shock proteins GroEL and GroES modulate the folding of the beta-lactamase precursor.. *EMBO Journal*, **1990**, 9, 2315-2319	13	206
60	Role of Escherichia coli heat shock proteins DnaK and HtpG (C62.5) in response to nutritional deprivation. *Journal of Bacteriology*, **1990**, 172, 7157-66	3.5	89
59	Mutational analysis of the phage T4 morphogenetic 31 gene, whose product interacts with the Escherichia coli GroEL protein. *Gene*, **1990**, 86, 19-25	3.8	30
58	The E. coli dnaK gene product, the hsp70 homolog, can reactivate heat-inactivated RNA polymerase in an ATP hydrolysis-dependent manner. *Cell*, **1990**, 62, 939-44	56.2	403
57	The Escherichia coli groE chaperonins. *Seminars in Cell Biology*, **1990**, 1, 19-25		58
56	Physical interactions between bacteriophage and Escherichia coli proteins required for initiation of lambda DNA replication. *Journal of Biological Chemistry*, **1990**, 265, 3022-9	5.4	61
55	Synthesis of a select group of proteins by Neisseria gonorrhoeae in response to thermal stress. *Infection and Immunity*, **1990**, 58, 719-25	3.7	16
54	The Escherichia coli heat shock proteins GroEL and GroES modulate the folding of the beta-lactamase precursor. *EMBO Journal*, **1990**, 9, 2315-9	13	51

53	Physical interactions between bacteriophage and Escherichia coli proteins required for initiation of lambda DNA replication.. *Journal of Biological Chemistry*, **1990**, 265, 3022-3029	5.4	51
52	Modulation of stability of the Escherichia coli heat shock regulatory factor sigma. *Journal of Bacteriology*, **1989**, 171, 1585-9	3.5	167
51	Escherichia coli DnaK and GrpE heat shock proteins interact both in vivo and in vitro. *Journal of Bacteriology*, **1989**, 171, 1590-6	3.5	54
50	The heat-shock-regulated grpE gene of Escherichia coli is required for bacterial growth at all temperatures but is dispensable in certain mutant backgrounds. *Journal of Bacteriology*, **1989**, 171, 2748-55	3.5	100
49	The E. coli dnaA initiation protein: a protein for all seasons. *Trends in Genetics*, **1989**, 5, 319-21	8.5	28
48	Biochemical properties of the Escherichia coli dnaK heat shock protein and its mutant derivatives. *Biochimie*, **1989**, 71, 1071-7	4.6	7
47	The groES and groEL heat shock gene products of Escherichia coli are essential for bacterial growth at all temperatures. *Journal of Bacteriology*, **1989**, 171, 1379-85	3.5	600
46	Identification, characterization, and mapping of the Escherichia coli htrA gene, whose product is essential for bacterial growth only at elevated temperatures. *Journal of Bacteriology*, **1989**, 171, 1574-84	3.5	297
45	Initiation of lambda DNA replication with purified host- and bacteriophage-encoded proteins: the role of the dnaK, dnaJ and grpE heat shock proteins.. *EMBO Journal*, **1989**, 8, 1601-1608	13	226
44	Three pure chaperone proteins of Escherichia coli--SecB, trigger factor and GroEL--form soluble complexes with precursor proteins in vitro.. *EMBO Journal*, **1989**, 8, 2703-2709	13	243
43	Functional domains of the Escherichia coli dnaK heat shock protein as revealed by mutational analysis. *Journal of Biological Chemistry*, **1989**, 264, 21122-30	5.4	58
42	Purification and properties of the Escherichia coli heat shock protein, HtpG. *Journal of Biological Chemistry*, **1989**, 264, 4398-403	5.4	32
41	Initiation of lambda DNA replication with purified host- and bacteriophage-encoded proteins: the role of the dnaK, dnaJ and grpE heat shock proteins. *EMBO Journal*, **1989**, 8, 1601-8	13	109
40	Three pure chaperone proteins of Escherichia coli--SecB, trigger factor and GroEL--form soluble complexes with precursor proteins in vitro. *EMBO Journal*, **1989**, 8, 2703-9	13	104
39	Purification and properties of the Escherichia coli heat shock protein, HtpG. *Journal of Biological Chemistry*, **1989**, 264, 4398-4403	5.4	34
38	Functional domains of the Escherichia coli dnaK heat shock protein as revealed by mutational analysis. *Journal of Biological Chemistry*, **1989**, 264, 21122-21130	5.4	62
37	Initiation of lambda DNA replication reconstituted with purified lambda and Escherichia coli replication proteins. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1988**, 951, 344-50		14
36	Sequence analysis and transcriptional regulation of the Escherichia coli grpE gene, encoding a heat shock protein. *Nucleic Acids Research*, **1988**, 16, 7545-62	20.1	61

35	Sequence analysis and regulation of the htrA gene of Escherichia coli: a sigma 32-independent mechanism of heat-inducible transcription. *Nucleic Acids Research*, **1988**, 16, 10053-67	20.1	220
34	Role of the Escherichia coli DnaK and DnaJ heat shock proteins in the initiation of bacteriophage lambda DNA replication. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 6632-6	11.5	188
33	Purification and properties of the NusB protein of Escherichia coli.. *Journal of Biological Chemistry*, **1988**, 263, 10229-10235	5.4	23
32	The grpE protein of Escherichia coli. Purification and properties. *Journal of Biological Chemistry*, **1987**, 262, 17437-42	5.4	114
31	Enzymology of the pre-priming steps in lambda dv DNA replication in vitro. *Journal of Biological Chemistry*, **1987**, 262, 7996-9	5.4	25
30	The grpE protein of Escherichia coli. Purification and properties.. *Journal of Biological Chemistry*, **1987**, 262, 17437-17442	5.4	116
29	Enzymology of the pre-priming steps in lambda dv DNA replication in vitro.. *Journal of Biological Chemistry*, **1987**, 262, 7996-7999	5.4	16
28	Suppression of the Escherichia coli dnaA46 mutation by amplification of the groES and groEL genes. *Molecular Genetics and Genomics*, **1986**, 202, 435-45		151
27	Escherichia coli DnaK protein possesses a 5Snucleotidase activity that is inhibited by AppppA. *Journal of Bacteriology*, **1986**, 168, 931-5	3.5	39
26	Escherichia coli grpE gene codes for heat shock protein B25.3, essential for both lambda DNA replication at all temperatures and host growth at high temperature. *Journal of Bacteriology*, **1986**, 167, 25-9	3.5	84
25	Heat shock regulatory gene rpoH mRNA level increases after heat shock in Escherichia coli. *Journal of Bacteriology*, **1986**, 168, 1155-8	3.5	57
24	The nucleotide sequence of the Escherichia coli K12 dnaJ+ gene. A gene that encodes a heat shock protein. *Journal of Biological Chemistry*, **1986**, 261, 1782-5	5.4	128
23	Purification and properties of the groES morphogenetic protein of Escherichia coli. *Journal of Biological Chemistry*, **1986**, 261, 12414-9	5.4	242
22	The nucleotide sequence of the Escherichia coli K12 dnaJ+ gene. A gene that encodes a heat shock protein.. *Journal of Biological Chemistry*, **1986**, 261, 1782-1785	5.4	114
21	Purification and properties of the groES morphogenetic protein of Escherichia coli.. *Journal of Biological Chemistry*, **1986**, 261, 12414-12419	5.4	272
20	Initiation of DNA replication on single-stranded DNA templates catalyzed by purified replication proteins of bacteriophage lambda and Escherichia coli. *Proceedings of the National Academy of Sciences of the United States of America*, **1985**, 82, 3988-92	11.5	84
19	Purification and properties of the dnaJ replication protein of Escherichia coli. *Journal of Biological Chemistry*, **1985**, 260, 7591-8	5.4	135
18	Purification and properties of the dnaJ replication protein of Escherichia coli.. *Journal of Biological Chemistry*, **1985**, 260, 7591-7598	5.4	129

17	The nucleotide sequence of the Escherichia coli K12 nusB (groNB) gene. *Nucleic Acids Research*, **1984**, 12, 4977-85	20.1	13
16	Bacteriophage lambda replication proteins: formation of a mixed oligomer and binding to the origin of lambda DNA. *Molecular Genetics and Genomics*, **1984**, 196, 401-6		48
15	Purification and properties of the Escherichia coli dnaK replication protein. *Journal of Biological Chemistry*, **1984**, 259, 8820-5	5.4	106
14	Interactions of bacteriophage and host macromolecules in the growth of bacteriophage lambda.. *Microbiological Reviews*, **1984**, 48, 299-325		115
13	Interactions of bacteriophage and host macromolecules in the growth of bacteriophage lambda. *Microbiological Reviews*, **1984**, 48, 299-325		208
12	Purification and properties of the Escherichia coli dnaK replication protein.. *Journal of Biological Chemistry*, **1984**, 259, 8820-8825	5.4	105
11	The dnaK protein modulates the heat-shock response of Escherichia coli. *Cell*, **1983**, 34, 641-6	56.2	311
10	The dnaK protein of Escherichia coli possesses an ATPase and autophosphorylating activity and is essential in an in vitro DNA replication system. *Proceedings of the National Academy of Sciences of the United States of America*, **1983**, 80, 6431-5	11.5	260
9	Identification of the heat-inducible protein C15.4 as the groES gene product in Escherichia coli. *Journal of Bacteriology*, **1983**, 154, 1505-7	3.5	36
8	An IS4 transposition causes a 13-bp duplication of phage lambda DNA and results in the constitutive expression of the cI and cro gene products. *Gene*, **1982**, 20, 83-90	3.8	12
7	Mutants in the y region of bacteriophage lambda constitutive for repressor synthesis: their isolation and the characterization of the Hyp phenotype. *Gene*, **1982**, 20, 71-81	3.8	9
6	Evidence that the two Escherichia coli groE morphogenetic gene products interact in vivo. *Journal of Bacteriology*, **1982**, 149, 1082-8	3.5	68
5	The B66.0 protein of Escherichia coli is the product of the dnaK+ gene. *Journal of Bacteriology*, **1982** , 149, 1175-7	3.5	56
4	Identification of a second Escherichia coli groE gene whose product is necessary for bacteriophage morphogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **1981**, 78, 1629-33	11.5	157
3	Identification of the E. coli groNB(nusB) gene product. *Molecular Genetics and Genomics*, **1981**, 182, 409-13		14
2	Studies on Escherichia coli mutants which block bacteriophage morphogenesis. *Progress in Clinical and Biological Research*, **1981**, 64, 35-45		7
1	Bacteriophage lambda cloning vehicles for studies of genetic recombination. *Gene*, **1980**, 10, 261-71	3.8	12