Thomas J Silhavy

List of Publications by Year
in descending order

249 papers	21,679 citations	8755 77 h-index	12638 137 g-index
257 all docs	257 docs citations	257 times ranked	14373 citing authors

#	Article	IF	Citations
1	Physical properties of the bacterial outer membrane. Nature Reviews Microbiology, 2022, 20, 236-248.	13.6	111
2	The sacrificial adaptor protein Skp functions to remove stalled substrates from the Î²-barrel assembly machine. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
3	Border Control: Regulating LPS Biogenesis. Trends in Microbiology, 2021, 29, 334-345.	3.5	40
4	Phase separation in the outer membrane of <i>Escherichia coli</i>. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	53
5	The ASM Journals Committee Values the Contributions of Black Microbiologists. Infection and Immunity, 2020, 88, .	1.0	0
6	The ASM Journals Committee Values the Contributions of Black Microbiologists. Microbiology Spectrum, 2020, 8, .	1.2	0
7	The inner membrane protein YhdP modulates the rate of anterograde phospholipid flow in <i>Escherichia coli</i>. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26907-26914.	3.3	36
8	The gain-of-function allele <i>bamA</i> _{<i>E470K</i>} bypasses the essential requirement for BamD in Î²-barrel outer membrane protein assembly. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18737-18743.	3.3	23
9	The ASM Journals Committee Values the Contributions of Black Microbiologists. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	0
10	The ASM Journals Committee Values the Contributions of Black Microbiologists. Journal of Virology, 2020, 94, .	1.5	0
11	The ASM Journals Committee Values the Contributions of Black Microbiologists. Journal of Bacteriology, 2020, 202, .	1.0	0
12	The ASM Journals Committee Values the Contributions of Black Microbiologists. Microbiology and Molecular Biology Reviews, 2020, 84, .	2.9	0
13	The ASM Journals Committee Values the Contributions of Black Microbiologists. Journal of Microbiology and Biology Education, 2020, 21, .	0.5	2
14	The ASM Journals Committee Values the Contributions of Black Microbiologists. MSystems, 2020, 5, .	1.7	0
15	The ASM Journals Committee Values the Contributions of Black Microbiologists. Microbiology Resource Announcements, 2020, 9, .	0.3	0
16	The ASM Journals Committee Values the Contributions of Black Microbiologists. MBio, 2020, 11, .	1.8	3
17	Functions of the BamBCDE Lipoproteins Revealed by Bypass Mutations in BamA. Journal of Bacteriology, 2020, 202, .	1.0	19
18	The ASM Journals Committee Values the Contributions of Black Microbiologists. Journal of Clinical Microbiology, 2020, 58, .	1.8	1

#	Article	IF	Citations
19	The ASM Journals Committee Values the Contributions of Black Microbiologists. Applied and Environmental Microbiology, 2020, 86, .	1.4	1
20	YejM Modulates Activity of the YciM/FtsH Protease Complex To Prevent Lethal Accumulation of Lipopolysaccharide. MBio, 2020, 11, .	1.8	48
21	The ASM Journals Committee Values the Contributions of Black Microbiologists. MSphere, 2020, 5, .	1.3	1
22	The ASM Journals Committee Values the Contributions of Black Microbiologists. Molecular and Cellular Biology, 2020, 40, .	1.1	0
23	2020 Jack Kenney Award for Outstanding Service. Journal of Bacteriology, 2020, 203, .	1.0	0
24	Time To Go. Journal of Bacteriology, 2020, 203, .	1.0	1
25	The ASM Journals Committee Values the Contributions of Black Microbiologists. Clinical Microbiology Reviews, 2020, 33, .	5.7	1
26	Acknowledgment of <i>Ad Hoc</i> Reviewers. Journal of Bacteriology, 2020, 202, .	1.0	0
27	Olaf Schneewind, 1961â€"2019: Scientist, Mentor, Friend. Journal of Bacteriology, 2019, 201, .	1.0	0
28	A small-molecule inhibitor of BamA impervious to efflux and the outer membrane permeability barrier. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21748-21757.	3.3	136
29	Genetic Analysis of Protein Translocation. Protein Journal, 2019, 38, 217-228.	0.7	9
30	Envelope stress responses: balancing damage repair and toxicity. Nature Reviews Microbiology, 2019, 17, 417-428.	13.6	153
31	Outer Membrane Protein Insertion by the Î²-barrel Assembly Machine. EcoSal Plus, 2019, 8, .	2.1	29
32	Fine-Tuning of Ïƒ E Activation Suppresses Multiple Assembly-Defective Mutations in Escherichia coli. Journal of Bacteriology, 2019, 201, .	1.0	6
33	2019 Jack Kenney Award for Outstanding Service. Journal of Bacteriology, 2019, 202, .	1.0	0
34	Current Issues in Scientific Publishing. Journal of Bacteriology, 2019, 202, .	1.0	0
35	2018 Jack Kenney Award for Outstanding Service. Journal of Bacteriology, 2019, 201, .	1.0	0
36	State of the Journal. Journal of Bacteriology, 2019, 201, .	1.0	0

#	Article	IF	Citations
37	The Synthetic Phenotype of Î” <i>bamB</i> Î” <i>bamE</i> Double Mutants Results from a Lethal Jamming of the Bam Complex by the Lipoprotein RcsF. MBio, 2019, 10, .	1.8	35
38	Acknowledgment of <i>Ad Hoc</i> Reviewers. Journal of Bacteriology, 2019, 201, .	1.0	0
39	Substrate binding to BamD triggers a conformational change in BamA to control membrane insertion. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2359-2364.	3.3	47
40	2017 Jack Kenney Award for Outstanding Service. Journal of Bacteriology, 2018, 200, .	1.0	0
41	The <i>Escherichia coli</i> Phospholipase PldA Regulates Outer Membrane Homeostasis via Lipid Signaling. MBio, 2018, 9, .	1.8	65
42	State of the Journal. Journal of Bacteriology, 2018, 200, .	1.0	0
43	Acknowledgment of <i>Ad Hoc</i> Reviewers. Journal of Bacteriology, 2018, 200, .	1.0	0
44	Cyclic Enterobacterial Common Antigen Maintains the Outer Membrane Permeability Barrier of Escherichia coli in a Manner Controlled by YhdP. MBio, 2018, 9, .	1.8	54
45	Inhibitor of intramembrane protease RseP blocks the Ïƒ ^E response causing lethal accumulation of unfolded outer membrane proteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6614-E6621.	3.3	51
46	Redefining the essential trafficking pathway for outer membrane lipoproteins. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4769-4774.	3.3	101
47	Classic Spotlight: Selected Highlights from the First 100 Years of the <i>Journal of Bacteriology</i>. Journal of Bacteriology, 2017, 199, .	1.0	0
48	Outer Membrane Biogenesis. Annual Review of Microbiology, 2017, 71, 539-556.	2.9	229
49	Sirtuin Lipoamidase Activity Is Conserved in Bacteria as a Regulator of Metabolic Enzyme Complexes. MBio, 2017, 8, .	1.8	28
50	Distinctive Roles for Periplasmic Proteases in the Maintenance of Essential Outer Membrane Protein Assembly. Journal of Bacteriology, 2017, 199, .	1.0	37
51	Conformational Changes That Coordinate the Activity of BamA and BamD Allowing Î²-Barrel Assembly. Journal of Bacteriology, 2017, 199, .	1.0	20
52	Novel RpoS-Dependent Mechanisms Strengthen the Envelope Permeability Barrier during Stationary Phase. Journal of Bacteriology, 2017, 199, .	1.0	40
53	Envelope Stress Responses: An Interconnected Safety Net. Trends in Biochemical Sciences, 2017, 42, 232-242.	3.7	112
54	Making a membrane on the other side of the wall. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 1386-1393.	1.2	55

#	Article	IF	Citations
55	State of the Journal. Journal of Bacteriology, 2017, 199, .	1.0	0
56	2016 Jack Kenney Award for Outstanding Service. Journal of Bacteriology, 2017, 199, .	1.0	0
57	Acknowledgment of <i>Ad Hoc</i> Reviewers. Journal of Bacteriology, 2017, 199, .	1.0	0
58	ASM Journals Eliminate Impact Factor Information from Journal Websites. Applied and Environmental Microbiology, 2016, 82, 5479-5480.	1.4	1
59	2015 Jack Kenney Award for Outstanding Service. Journal of Bacteriology, 2016, 198, 4-4.	1.0	0
60	ASM Journals Eliminate Impact Factor Information from Journal Websites. MSystems, 2016, 1, .	1.7	3
61	Lipopolysaccharide transport and assembly at the outer membrane: the PEZ model. Nature Reviews Microbiology, 2016, 14, 337-345.	13.6	299
62	Classifying Î²-Barrel Assembly Substrates by Manipulating Essential Bam Complex Members. Journal of Bacteriology, 2016, 198, 1984-1992.	1.0	38
63	The <i>Journal of Bacteriology</i> Is 100. Journal of Bacteriology, 2016, 198, 1-3.	1.0	2
64	ASM Journals Eliminate Impact Factor Information from Journal Websites. Microbiology and Molecular Biology Reviews, 2016, 80, i-ii.	2.9	1
65	ASM Journals Eliminate Impact Factor Information from Journal Websites. Antimicrobial Agents and Chemotherapy, 2016, 60, 5109-5110.	1.4	3
66	ASM Journals Eliminate Impact Factor Information from Journal Websites. Infection and Immunity, 2016, 84, 2407-2408.	1.0	9
67	ASM Journals Eliminate Impact Factor Information from Journal Websites. Journal of Clinical Microbiology, 2016, 54, 2216-2217.	1.8	7
68	ASM Journals Eliminate Impact Factor Information from Journal Websites. Clinical Microbiology Reviews, 2016, 29, i-ii.	5.7	4
69	ASM Journals Eliminate Impact Factor Information from Journal Websites. MBio, 2016, 7, .	1.8	16
70	Characterization of a stalled complex on the Î²-barrel assembly machine. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8717-8722.	3.3	77
71	ASM Journals Eliminate Impact Factor Information from Journal Websites. MSphere, 2016, 1, .	1.3	5
72	A Suppressor Mutation That Creates a Faster and More Robust ÏƒE Envelope Stress Response. Journal of Bacteriology, 2016, 198, 2345-2351.	1.0	14

#	Article	IF	Citations
73	The CpxQ sRNA Negatively Regulates Skp To Prevent Mistargeting of Î²-Barrel Outer Membrane Proteins into the Cytoplasmic Membrane. MBio, 2016, 7, e00312-16.	1.8	52
74	Classic Spotlight: a Very Pleiotropic Mutant. Journal of Bacteriology, 2016, 198, 371-371.	1.0	0
75	Classic Spotlight: the Birth of the Transcriptional Activator. Journal of Bacteriology, 2016, 198, 744-744.	1.0	0
76	The Activity of Escherichia coli Chaperone SurA Is Regulated by Conformational Changes Involving a Parvulin Domain. Journal of Bacteriology, 2016, 198, 921-929.	1.0	29
77	Disruption of lipid homeostasis in the Gram-negative cell envelope activates a novel cell death pathway. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1565-74.	3.3	142
78	Classic Spotlight: Gram-Negative Bacteria Have Two Membranes. Journal of Bacteriology, 2016, 198, 201-201.	1.0	10
79	A lipoprotein/Î²-barrel complex monitors lipopolysaccharide integrity transducing information across the outer membrane. ELife, 2016, 5, .	2.8	88
80	Acknowledgment of <i>Ad Hoc</i> Reviewers. Journal of Bacteriology, 2015, 197, 3744-3747.	1.0	0
81	2014 Jack Kenney Award for Outstanding Service. Journal of Bacteriology, 2015, 197, 3-3.	1.0	1
82	Editorial and Policy Changes for 2015. Journal of Bacteriology, 2015, 197, 2-2.	1.0	0
83	Outer membrane lipoprotein biogenesis: Lol is not the end. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20150030.	1.8	116
84	Bordetella pertussis BvgAS Virulence Control System. , 2014, , 333-349.		21
85	Genetic Approaches for Signaling Pathways and Proteins. , 2014, , 7-23.		25
86	Folding LacZ in the Periplasm of Escherichia coli. Journal of Bacteriology, 2014, 196, 3343-3350.	1.0	21
87	Sirtuins Are Evolutionarily Conserved Viral Restriction Factors. MBio, 2014, 5, .	1.8	122
88	LptE binds to and alters the physical state of LPS to catalyze its assembly at the cell surface. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9467-9472.	3.3	74
89	Transmembrane domain of surface-exposed outer membrane lipoprotein RcsF is threaded through the lumen of Î²-barrel proteins. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4350-8.	3.3	109
90	Transcriptional occlusion caused by overlapping promoters. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1557-1561.	3.3	41

#	Article	IF	Citations
91	Accumulation of Phosphatidic Acid Increases Vancomycin Resistance in Escherichia coli. Journal of Bacteriology, 2014, 196, 3214-3220.	1.0	36
92	A mutant Escherichia coli that attaches peptidoglycan to lipopolysaccharide and displays cell wall on its surface. ELife, 2014, 3, e05334.	2.8	23
93	Metabolite turns master regulator. Nature, 2013, 500, 283-284.	13.7	23
94	Dominant Negative lptE Mutation That Supports a Role for LptE as a Plug in the LptD Barrel. Journal of Bacteriology, 2013, 195, 1327-1334.	1.0	35
95	The Activity and Specificity of the Outer Membrane Protein Chaperone SurA Are Modulated by a Proline Isomerase Domain. MBio, 2013, 4, .	1.8	34
96	Conformation-specific labeling of BamA and suppressor analysis suggest a cyclic mechanism for Î²-barrel assembly in <i>Escherichia coli</i>. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5151-5156.	3.3	94
97	Role for Skp in LptD Assembly in Escherichia coli. Journal of Bacteriology, 2013, 195, 3734-3742.	1.0	40
98	The Cpx Stress Response Confers Resistance to Some, but Not All, Bactericidal Antibiotics. Journal of Bacteriology, 2013, 195, 1869-1874.	1.0	103
99	Predicting Functionally Informative Mutations in<i>Escherichia coli</i>BamA Using Evolutionary Covariance Analysis. Genetics, 2013, 195, 443-455.	1.2	42
100	Activation of the <i>Escherichia coli</i> Î²-barrel assembly machine (Bam) is required for essential components to interact properly with substrate. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3487-3491.	3.3	76
101	RpoS proteolysis is controlled directly by ATP levels in <i>Escherichia coli</i>. Genes and Development, 2012, 26, 548-553.	2.7	52
102	BamE Modulates the Escherichia coli Beta-Barrel Assembly Machine Component BamA. Journal of Bacteriology, 2012, 194, 1002-1008.	1.0	72
103	Making a beta-barrel: assembly of outer membrane proteins in Gram-negative bacteria. Current Opinion in Microbiology, 2012, 15, 189-193.	2.3	67
104	The Bam machine: A molecular cooper. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1067-1084.	1.4	145
105	Dissecting the <i>Escherichia coli</i> periplasmic chaperone network using differential proteomics. Proteomics, 2012, 12, 1391-1401.	1.3	58
106	Assembly of Outer Membrane Î²-Barrel Proteins: the Bam Complex. EcoSal Plus, 2011, 4, .	2.1	26
107	The free and bound forms of Lpp occupy distinct subcellular locations in <i>Escherichia coli</i>. Molecular Microbiology, 2011, 79, 1168-1181.	1.2	109
108	Î²-Barrel Membrane Protein Assembly by the Bam Complex. Annual Review of Biochemistry, 2011, 80, 189-210.	5.0	290

#	Article	IF	Citations
109	Robert A. Weisberg (1937â€"2011). Journal of Bacteriology, 2011, 193, 6807-6807.	1.0	0
110	Lipoprotein LptE is required for the assembly of LptD by the Î²-barrel assembly machine in the outer membrane of <i>Escherichia coli</i>. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2492-2497.	3.3	116
111	The Response Regulator SprE (RssB) Is Required for Maintaining Poly(A) Polymerase I-Degradosome Association during Stationary Phase. Journal of Bacteriology, 2010, 192, 3713-3721.	1.0	46
112	Nonconsecutive disulfide bond formation in an essential integral outer membrane protein. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12245-12250.	3.3	96
113	Characterization of the two-protein complex in <i>Escherichia coli</i> responsible for lipopolysaccharide assembly at the outer membrane. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5363-5368.	3.3	184
114	The Bacterial Cell Envelope. Cold Spring Harbor Perspectives in Biology, 2010, 2, a000414-a000414.	2.3	2,408
115	An ABC transport system that maintains lipid asymmetry in the Gram-negative outer membrane. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8009-8014.	3.3	411
116	The Response Regulator SprE (RssB) Modulates Polyadenylation and mRNA Stability in<i>Escherichia coli</i>. Journal of Bacteriology, 2009, 191, 6812-6821.	1.0	19
117	Characterization of the role of the <i>Escherichia coli</i> periplasmic chaperone SurA using differential proteomics. Proteomics, 2009, 9, 2432-2443.	1.3	128
118	Transport of lipopolysaccharide across the cell envelope: the long road of discovery. Nature Reviews Microbiology, 2009, 7, 677-683.	13.6	232
119	Effects of Antibiotics and a Proto-Oncogene Homolog on Destruction of Protein Translocator SecY. Science, 2009, 325, 753-756.	6.0	105
120	Sex to the rescue. Nature Methods, 2008, 5, 759-760.	9.0	2
121	Contactâ€dependent growth inhibition requires the essential outer membrane protein BamA (YaeT) as the receptor and the inner membrane transport protein AcrB. Molecular Microbiology, 2008, 70, 323-340.	1.2	173
122	Identification of two inner-membrane proteins required for the transport of lipopolysaccharide to the outer membrane of <i>Escherichia coli</i>. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5537-5542.	3.3	225
123	Functional Analysis of the Protein Machinery Required for Transport of Lipopolysaccharide to the Outer Membrane of <i>Escherichia coli</i>. Journal of Bacteriology, 2008, 190, 4460-4469.	1.0	218
124	Structure and Function of an Essential Component of the Outer Membrane Protein Assembly Machine. Science, 2007, 317, 961-964.	6.0	327
125	Lipoprotein SmpA is a component of the YaeT complex that assembles outer membrane proteins in Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6400-6405.	3.3	267
126	Kinetic Analysis of the Assembly of the Outer Membrane Protein LamB in Escherichia coli Mutants Each Lacking a Secretion or Targeting Factor in a Different Cellular Compartment. Journal of Bacteriology, 2007, 189, 446-454.	1.0	83

#	Article	IF	Citations
127	Decline in ribosomal fidelity contributes to the accumulation and stabilization of the master stress response regulator ÂS upon carbon starvation. Genes and Development, 2007, 21, 862-874.	2.7	52
128	A Suppressor of Cell Death Caused by the Loss of Ïƒ E Downregulates Extracytoplasmic Stress Responses and Outer Membrane Vesicle Production in Escherichia coli. Journal of Bacteriology, 2007, 189, 1523-1530.	1.0	68
129	Defining the roles of the periplasmic chaperones SurA, Skp, and DegP in <i>Escherichia coli</i>. Genes and Development, 2007, 21, 2473-2484.	2.7	409
130	The Identification of the YaeT Complex and Its Role in the Assembly of Bacterial Outer Membrane Î²â€Barrel Proteins. The Enzymes, 2007, , 129-149.	0.7	1
131	prlF and yhaV Encode a New Toxinâ€"Antitoxin System in Escherichia coli. Journal of Molecular Biology, 2007, 372, 894-905.	2.0	87
132	Probing the Barrier Function of the Outer Membrane with Chemical Conditionality. ACS Chemical Biology, 2006, 1, 385-395.	1.6	72
133	YfiO stabilizes the YaeT complex and is essential for outer membrane protein assembly inEscherichiaâ€ƒcoli. Molecular Microbiology, 2006, 61, 151-164.	1.2	278
134	Advances in understanding bacterial outer-membrane biogenesis. Nature Reviews Microbiology, 2006, 4, 57-66.	13.6	405
135	LrhA Regulates rpoS Translation in Response to the Rcs Phosphorelay System in Escherichia coli. Journal of Bacteriology, 2006, 188, 3175-3181.	1.0	52
136	Identification of a protein complex that assembles lipopolysaccharide in the outer membrane of Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11754-11759.	3.3	322
137	Crl Facilitates RNA Polymerase Holoenzyme Formation. Journal of Bacteriology, 2006, 188, 7966-7970.	1.0	45
138	The extracytoplasmic adaptor protein CpxP is degraded with substrate by DegP. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17775-17779.	3.3	142
139	Escherichia coli Starvation Diets: Essential Nutrients Weigh in Distinctly. Journal of Bacteriology, 2005, 187, 7549-7553.	1.0	107
140	Periplasmic Peptidyl Prolyl cis-trans Isomerases Are Not Essential for Viability, but SurA Is Required for Pilus Biogenesis in Escherichia coli. Journal of Bacteriology, 2005, 187, 7680-7686.	1.0	126
141	Starvation for Different Nutrients in Escherichia coli Results in Differential Modulation of RpoS Levels and Stability. Journal of Bacteriology, 2005, 187, 434-442.	1.0	85
142	Sensing external stress: watchdogs of the Escherichia coli cell envelope. Current Opinion in Microbiology, 2005, 8, 122-126.	2.3	281
143	Chemical Conditionality. Cell, 2005, 121, 307-317.	13.5	287
144	Identification of a Multicomponent Complex Required for Outer Membrane Biogenesis in Escherichia coli. Cell, 2005, 121, 235-245.	13.5	656

#	Article	IF	Citations
145	P Pilus Assembly Motif Necessary for Activation of the CpxRA Pathway by PapE in Escherichia coli. Journal of Bacteriology, 2004, 186, 4326-4337.	1.0	33
146	RpoS Proteolysis Is Regulated by a Mechanism That Does Not Require the SprE (RssB) Response Regulator Phosphorylation Site. Journal of Bacteriology, 2004, 186, 7403-7410.	1.0	56
147	Continuous Control in Bacterial Regulatory Circuits. Journal of Bacteriology, 2004, 186, 7618-7625.	1.0	39
148	Complex spatial distribution and dynamics of an abundant Escherichia coli outer membrane protein, LamB. Molecular Microbiology, 2004, 53, 1771-1783.	1.2	82
149	Quality control in the bacterial periplasm. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1694, 121-134.	1.9	143
150	The art and design of genetic screens: Escherichia coli. Nature Reviews Genetics, 2003, 4, 419-431.	7.7	84
151	Secretion of LamB-LacZ by the Signal Recognition Particle Pathway of Escherichia coli. Journal of Bacteriology, 2003, 185, 5697-5705.	1.0	64
152	Constitutive Activation of the Escherichia coli Pho Regulon Upregulates rpoS Translation in an Hfq-Dependent Fashion. Journal of Bacteriology, 2003, 185, 5984-5992.	1.0	60
153	Null Mutations in a Nudix Gene, ygdP , Implicate an Alarmone Response in a Novel Suppression of Hybrid Jamming. Journal of Bacteriology, 2003, 185, 6530-6539.	1.0	7
154	Signal Detection and Target Gene Induction by the CpxRA Two-Component System. Journal of Bacteriology, 2003, 185, 2432-2440.	1.0	198
155	Surface sensing and adhesion of Escherichia coli controlled by the Cpx-signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2287-2292.	3.3	368
156	Signal Sequence Mutations as Tools for the Characterization of LamB Folding Intermediates. Journal of Bacteriology, 2002, 184, 6918-6928.	1.0	8
157	Imp/OstA is required for cell envelope biogenesis in Escherichia coli. Molecular Microbiology, 2002, 45, 1289-1302.	1.2	232
158	Periplasmic Stress and ECF Sigma Factors. Annual Review of Microbiology, 2001, 55, 591-624.	2.9	342
159	Genetic Evidence for Parallel Pathways of Chaperone Activity in the Periplasm of Escherichia coli. Journal of Bacteriology, 2001, 183, 6794-6800.	1.0	219
160	Absence of the Outer Membrane Phospholipase A Suppresses the Temperature-Sensitive Phenotype of Escherichia coli degP Mutants and Induces the Cpx and Ï, E Extracytoplasmic Stress Responses. Journal of Bacteriology, 2001, 183, 5230-5238.	1.0	20
161	Germ Warfare: The Mechanisms of Virulence Factor Delivery. , 2001, , 43-74.		4
162	Genetic Basis for Activity Differences Between Vancomycin and Glycolipid Derivatives of Vancomycin. Science, 2001, 294, 361-364.	6.0	127

#	Article	IF	Citations
163	RpoS-Dependent Transcriptional Control of sprE : Regulatory Feedback Loop. Journal of Bacteriology, 2001, 183, 5974-5981.	1.0	40
164	Tethering of CpxP to the inner membrane prevents spheroplast induction of the Cpx envelope stress response. Molecular Microbiology, 2000, 37, 1186-1197.	1.2	91
165	Gene Fusions. Journal of Bacteriology, 2000, 182, 5935-5938.	1.0	20
166	[2] A practical guide to the construction and use of lac fusions in Escherichia coli. Methods in Enzymology, 2000, 326, 11-35.	0.4	21
167	SprE Levels Are Growth Phase Regulated in a Ï,S-Dependent Manner at the Level of Translation. Journal of Bacteriology, 2000, 182, 4117-4120.	1.0	8
168	The ÏƒE and Cpx regulatory pathways: Overlapping but distinct envelope stress responses. Current Opinion in Microbiology, 1999, 2, 159-165.	2.3	167
169	Mapping an Interface of SecY (PrlA) and SecE (PrlG) by Using Synthetic Phenotypes and In Vivo Cross-Linking. Journal of Bacteriology, 1999, 181, 3438-3444.	1.0	96
170	The Cpx Envelope Stress Response Is Controlled by Amplification and Feedback Inhibition. Journal of Bacteriology, 1999, 181, 5263-5272.	1.0	209
171	The LysR Homolog LrhA Promotes RpoS Degradation by Modulating Activity of the Response Regulator SprE. Journal of Bacteriology, 1999, 181, 563-571.	1.0	65
172	Cell regulation: continually redefining the rules. Current Opinion in Microbiology, 1998, 1, 141-144.	2.3	0
173	TARGETING AND ASSEMBLY OF PERIPLASMIC AND OUTER-MEMBRANE PROTEINS INESCHERICHIA COLI. Annual Review of Genetics, 1998, 32, 59-94.	3.2	206
174	Crl stimulates RpoS activity during stationary phase. Molecular Microbiology, 1998, 29, 1225-1236.	1.2	114
175	Folding-Based Suppression of Extracytoplasmic Toxicity Conferred by Processing-Defective LamB. Journal of Bacteriology, 1998, 180, 3120-3130.	1.0	7
176	Mutations That Alter the Kinase and Phosphatase Activities of the Two-Component Sensor EnvZ. Journal of Bacteriology, 1998, 180, 4538-4546.	1.0	141
177	Accumulation of the Enterobacterial Common Antigen Lipid II Biosynthetic Intermediate Stimulates <i>degP</i> Transcription in <i>Escherichia coli</i>. Journal of Bacteriology, 1998, 180, 5875-5884.	1.0	90
178	CpxP, a Stress-Combative Member of the Cpx Regulon. Journal of Bacteriology, 1998, 180, 831-839.	1.0	265
179	Hisâ€"Asp Phosphorelay: Two Components or More?. Cell, 1996, 85, 13-14.	13.5	21
180	From acids to osmZ: multiple factors influence synthesis of the OmpF and OmpC porins in Escherichia coli. Molecular Microbiology, 1996, 20, 911-917.	1.2	298

#	Article	IF	Citations
181	The Porin Regulon: A Paradigm for the Two-Component Regulatory Systems. , 1996, , 383-417.		16
182	Identification of base pairs important for OmpR-DNA interaction. Molecular Microbiology, 1995, 17, 565-573.	1.2	57
183	Mutational activation of the Cpx signal transduction pathway of Escherichia coli suppresses the toxicity conferred by certain envelope-associated stresses. Molecular Microbiology, 1995, 18, 491-505.	1.2	98
184	OmpR mutants specifically defective for transcriptional activation. Journal of Molecular Biology, 1994, 243, 579-594.	2.0	65
185	Mutations that Affect Separate Functions of OmpR the Phosphorylated Regulator of Porin Transcription in Escherichia coli. Journal of Molecular Biology, 1993, 231, 261-273.	2.0	80
186	The essential tension: opposed reactions in bacterial two-component regulatory systems. Trends in Microbiology, 1993, 1, 306-310.	3.5	111
187	The E. coli ffh gene is necessary for viability and efficient protein export. Nature, 1992, 359, 744-746.	13.7	285
188	Protein secretion in bacteria: a chemotherapeutic target?. , 1992, , 163-175.		4
189	EnvZ controls the concentration of phosphorylated OmpR to mediate osmoregulation of the porin genes. Journal of Molecular Biology, 1991, 222, 567-580.	2.0	194
190	[9] Genetic fusions as experimental tools. Methods in Enzymology, 1991, 204, 213-248.	0.4	64
191	Heat-shock proteins DnaK and GroEL facilitate export of LacZ hybrid proteins in E. coli. Nature, 1990, 344, 882-884.	13.7	195
192	The genetics of protein secretion in E. coli. Trends in Genetics, 1990, 6, 329-334.	2.9	33
193	Thesec andprl genes ofEscherichia coli. Journal of Bioenergetics and Biomembranes, 1990, 22, 291-310.	1.0	190
194	PrlA (SecY) and PrlG (SecE) interact directly and function sequentially during protein translocation in E. coli. Cell, 1990, 61, 833-842.	13.5	143
195	[15] Engineering Escherchia coli to secrete heterologous gene products. Methods in Enzymology, 1990, 185, 166-187.	0.4	63
196	The genetics of protein targeting in Escherichia coli K12. Journal of Cell Science, 1989, 1989, 13-28.	1.2	10
197	PrlC, a suppressor of signal sequence mutations in Escherichia coli, can direct the insertion of the signal sequence into the membrane. Journal of Molecular Biology, 1989, 205, 665-676.	2.0	27
198	Genetic analysis of the switch that controls porin gene expression in Escherichia coli K-12. Journal of Molecular Biology, 1989, 210, 281-292.	2.0	123

#	Article	IF	Citations
199	Transposition of Î»placMu is mediated by the A protein altered at its carboxy-terminal end. Gene, 1988, 71, 177-186.	1.0	25
200	Characterization and <i>in Vivo</i> Cloning of <i>prlC</i>, a Suppressor of Signal Sequence Mutations in <i>Escherichia coli</i> K12. Genetics, 1987, 116, 513-521.	1.2	50
201	Gene fusions to the ptsM/pel locus of Escherichia coli. Molecular Genetics and Genomics, 1985, 199, 427-433.	2.4	18
202	lacZ fusions to genes that specify exported proteins: A general technique. Molecular Genetics and Genomics, 1984, 194, 388-394.	2.4	16
203	Information within the mature LamB protein necessary for localization to the outer membrane of E coli K12. Cell, 1983, 32, 1325-1335.	13.5	80
204	Isolation and characterization of mutations altering expression of the major outer membrane porin proteins using the local anaesthetic procaine. Journal of Molecular Biology, 1983, 166, 273-282.	2.0	69
205	[1] Genetic analysis of protein export in Escherichia coli. Methods in Enzymology, 1983, 97, 3-11.	0.4	25
206	[2] Isolation and characterization of mutants of Escherichia coli K12 affected in protein localization. Methods in Enzymology, 1983, 97, 11-40.	0.4	18
207	A previously unidentified gene in the spc operon of Escherichia coli K12 specifies a component of the protein export machinery. Cell, 1982, 31, 227-235.	13.5	142
208	Sequence information within the lamB gene is required for proper routing of the bacteriophage Î» receptor protein to the outer membrane of Escherichia coli K-12. Journal of Molecular Biology, 1982, 156, 93-112.	2.0	94
209	Genetic analysis of the ompB locus in Escherichia coli K-12. Journal of Molecular Biology, 1981, 151, 1-15.	2.0	341
210	The ompB locus and the regulation of the major outer membrane porin proteins of Escherichia coli K12. Journal of Molecular Biology, 1981, 146, 23-43.	2.0	358
211	Suppressor mutations that restore export of a protein with a defective signal sequence. Cell, 1981, 23, 79-88.	13.5	435
212	Chapter 3 The Genetics of Protein Secretion in Escherichia coli. Methods in Cell Biology, 1981, 23, 27-38.	0.5	11
213	Genetic studies on mechanisms of protein localization in escherichia coli K-12. Journal of Supramolecular Structure, 1980, 13, 147-163.	2.3	13
214	Sequence analysis of mutations that prevent export of Î» receptor, an Escherichia coli outer membrane protein. Nature, 1980, 285, 82-85.	13.7	224
215	A signal sequence is not sufficient to lead Î²-galactosidase out of the cytoplasm. Nature, 1980, 286, 356-359.	13.7	165
216	Conferral of transposable properties to a chromosomal gene in Escherichia coli. Journal of Molecular Biology, 1980, 141, 235-248.	2.0	23

#	Article	IF	Citations
217	Mutations affecting localization of an Escherichia coli outer membrane protein, the bacteriophage Î» receptor. Journal of Molecular Biology, 1980, 141, 63-90.	2.0	166
218	Structure of the malB region in Escherichia coli K12. Molecular Genetics and Genomics, 1979, 174, 249-259.	2.4	157
219	The "Hidden Ligand" of the Galactose-Binding Protein. FEBS Journal, 1975, 54, 163-167.	0.2	11
220	Involvement of a tryptophan residue in the binding site of Escherichia coli galactose-binding protein. Biochemistry, 1974, 13, 993-999.	1.2	32
221	Selection Procedure for Mutants Defective in the Î²-Methylgalactoside Transport System of <i>Escherichia coli</i> Utilizing the Compound 2R-Glyceryl-Î²- <scp>d</scp> -Galactopyranoside. Journal of Bacteriology, 1974, 120, 424-432.	1.0	8
222	Synthesis and Pharmacological Activity of 1-(arylsulfonyl)-3,5-dialkyl-s-triazine-2,4,6-(1H,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (	1.6	4
223	Synthesis of 1-(p-iodobenzenesulfonyl)-3,5-dipropyl isocyanurate. Journal of Organic Chemistry, 1972, 37, 3357-3358.	1.7	5
224	Two-Component Signal Transduction Systems: Structure-Function Relationships and Mechanisms of Catalysis. , 0, , 25-51.		164
225	Control of Cellular Development in Sporulating Bacteria by the Phosphorelay Two-Component Signal Transduction System. , 0, , 129-144.		45
226	Outer Membrane Protein Insertion by the Î²-barrel Assembly Machine. , 0, , 91-101.		4
227	Transcription Regulation by the<i>Bacillus subtilis</i>Response Regulator Spo0A. , 0, , 159-179.		19
228	Flagellar Switch. , 0, , 181-199.		23
229	Signal Transduction and Cross Regulation in the Escherichia coli Phosphate Regulon by PhoR, CreC, and Acetyl Phosphate. , 0, , 201-221.		24
230	Signal Transduction in the Arc System for Control of Operons Encoding Aerobic Respiratory Enzymes. , 0, , 223-231.		17
231	Dual Sensors and Dual Response Regulators Interact to Control Nitrate- and Nitrite-Responsive Gene Expression in Escherichia coli. , 0, , 233-252.		40
232	Regulation of Capsule Synthesis: Modification of the Two-Component Paradigm by an Accessory Unstable Regulator. , 0, , 253-262.		49
233	Expression of the Uhp Sugar-Phosphate Transport System of Escherichia coli. , 0, , 263-274.		16
234	Complex Phosphate Regulation by Sequential Switches in Bacillus subtilis. , 0, , 289-302.		14

#	Article	IF	Citations
235	Two-Component Signal Transduction and Its Role in the Expression of Bacterial Virulence Factors. , 0, , 303-317.		25
236	Regulation of Salmonella Virulence by Two-Component Regulatory Systems. , 0, , 319-332.		26
237	Three-Component Regulatory System Controlling Virulence in Vibrio cholerae. , 0, , 351-365.		10
238	Ti Plasmid and Chromosomally Encoded Two-Component Systems Important in Plant Cell Transformation by<i>Agrobacterium</i>Species. , 0, , 367-385.		32
239	Regulation of Glycopeptide Resistance Genes of Enterococcal Transposon Tn1546 by the VanR-VanS Two-Component Regulatory System. , 0, , 387-391.		2
240	Tetracycline Regulation of Conjugal Transfer Genes. , 0, , 393-400.		13
241	The frz Signal Transduction System Controls Multicellular Behavior in Myxococcus xanthus. , 0, , 419-430.		14
242	Intercellular Communication in Marine Vibrio Species: Density-Dependent Regulation of the Expression of Bioluminescence. , 0, , 431-445.		10
243	A Signal Transduction Network in Bacillus subtilis Includes the DegS/DegU and ComP/ComA Two-Component Systems. , 0, , 447-471.		27
244	Structural and Functional Conservation in Response Regulators. , 0, , 53-64.		25
245	Control of Nitrogen Assimilation by the NRI-NRII Two-Component System of Enteric Bacteria. , 0, , 65-88.		25
246	Chemotactic Signal Transduction in Escherichia coli and Salmonella typhimurium. , 0, , 89-103.		14
247	Porin Regulon of Escherichia coli. , 0, , 105-127.		70
248	Mechanism of Transcriptional Activation by NtrC. , 0, , 145-158.		21
249	Symbiotic Expression of Rhizobium meliloti Nitrogen Fixation Genes Is Regulated by Oxygen. , 0, , 275-287.		6