Jeff Errington

List of Publications by Year in Descending Order

210 papers	21,397 citations	77 h-index	143 g-index
223 ext. papers	23,762 ext. citations	10.5 avg, IF	7.01 L-index

#	Paper	IF	Citations
210	A novel bipartite antitermination system widespread in conjugative elements of Gram-positive bacteria. *Nucleic Acids Research*, **2021**, 49, 5553-5567	20.1	1
209	CTP regulates membrane-binding activity of the nucleoid occlusion protein Noc. *Molecular Cell*, **2021**, 81, 3623-3636.e6	17.6	4
208	Regulation of peptidoglycan synthesis and remodelling. *Nature Reviews Microbiology*, **2020**, 18, 446-460	22.2	119
207	Microbe Profile: : model organism for cellular development, and industrial workhorse. *Microbiology (United Kingdom)*, **2020**, 166, 425-427	2.9	18
206	A Small Molecule Inhibitor of CTP Synthetase Identified by Differential Activity on a Mutant Deficient in Class A Penicillin-Binding Proteins. *Frontiers in Microbiology*, **2020**, 11, 2001	5.7	0
205	Antibiotic tolerance. *PLoS Pathogens*, **2020**, 16, e1008892	7.6	10
204	Cohesion of Sister Chromosome Termini during the Early Stages of Sporulation in Bacillus subtilis. *Journal of Bacteriology*, **2020**, 202,	3.5	3
203	Geometric principles underlying the proliferation of a model cell system. *Nature Communications*, **2020**, 11, 4149	17.4	7
202	Cell Wall Deficiency as a Coping Strategy for Stress. *Trends in Microbiology*, **2019**, 27, 1025-1033	12.4	22
201	Crucial role for central carbon metabolism in the bacterial L-form switch and killing by β-lactam antibiotics. *Nature Microbiology*, **2019**, 4, 1716-1726	26.6	23
200	Microfluidic time-lapse analysis and reevaluation of the Bacillus subtilis cell cycle. *MicrobiologyOpen* , **2019**, 8, e876	3.4	6
199	Possible role of L-form switching in recurrent urinary tract infection. *Nature Communications*, **2019**, 10, 4379	17.4	27
198	Lysozyme Counteracts β-Lactam Antibiotics by Promoting the Emergence of L-Form Bacteria. *Cell*, **2018**, 172, 1038-1049.e10	56.2	47
197	Mode of Action and Heterologous Expression of the Natural Product Antibiotic Vancoresmycin. *ACS Chemical Biology*, **2018**, 13, 207-214	4.9	30
196	Type II Toxin-Antitoxin Systems and Persister Cells. *MBio*, **2018**, 9,	7.8	20
195	Mode of Action of Kanglemycin A, an Ansamycin Natural Product that Is Active against Rifampicin-Resistant Mycobacterium tuberculosis. *Molecular Cell*, **2018**, 72, 263-274.e5	17.6	33
194	RodA as the missing glycosyltransferase in Bacillus subtilis and antibiotic discovery for the peptidoglycan polymerase pathway. *Nature Microbiology*, **2017**, 2, 16253	26.6	95

193	Structural Reassignment and Absolute Stereochemistry of Madurastatin C1 (MBJ-0034) and the Related Aziridine Siderophores: Madurastatins A1, B1, and MBJ-0035. *Journal of Natural Products*, **2017**, 80, 1558-1562	4.9	13
192	Cell wall-deficient, L-form bacteria in the 21st century: a personal perspective. *Biochemical Society Transactions*, **2017**, 45, 287-295	5.1	18
191	Cell Cycle Machinery in Bacillus subtilis. *Sub-Cellular Biochemistry*, **2017**, 84, 67-101	5.5	34
190	Designer chemistry. *Environmental Microbiology Reports*, **2017**, 9, 36-37	3.7	
189	Production of 17-O-demethyl-geldanamycin, a cytotoxic ansamycin polyketide, by Streptomyces hygroscopicus DEM20745. *Natural Product Research*, **2017**, 31, 1895-1900	2.3	4
188	Screening and purification of natural products from actinomycetes that affect the cell shape of fission yeast. *Journal of Cell Science*, **2017**, 130, 3173-3185	5.3	6
187	Functional redundancy of division specific penicillin-binding proteins in Bacillus subtilis. *Molecular Microbiology*, **2017**, 106, 304-318	4.1	20
186	A mechanism for FtsZ-independent proliferation in Streptomyces. *Nature Communications*, **2017**, 8, 1378	17.4	16
185	Green fluorescent protein as a reporter for the spatial and temporal expression of actIII in Streptomyces coelicolor. *Archives of Microbiology*, **2017**, 199, 875-880	3	0
184	Bacterial Membranes: Structure, Domains, and Function. *Annual Review of Microbiology*, **2017**, 71, 519-538	17.5	87
183	and genes are dispensable for growth, cross-wall formation and sporulation in. *Heliyon*, **2017**, 3, e00459	3.6	4
182	L-form bacteria, chronic diseases and the origins of life. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	47
181	Wall proficient E. coli capable of sustained growth in the absence of the Z-ring division machine. *Nature Microbiology*, **2016**, 1, 16091	26.6	19
180	Complex polar machinery required for proper chromosome segregation in vegetative and sporulating cells of Bacillus subtilis. *Molecular Microbiology*, **2016**, 101, 333-50	4.1	29
179	A benzamide-dependent ftsZ mutant reveals residues crucial for Z-ring assembly. *Molecular Microbiology*, **2016**, 99, 1028-42	4.1	14
178	Nucleoid occlusion protein Noc recruits DNA to the bacterial cell membrane. *EMBO Journal*, **2015**, 34, 491-501	13	63
177	Cell growth of wall-free L-form bacteria is limited by oxidative damage. *Current Biology*, **2015**, 25, 1613-8	6.3	53
176	Bacterial morphogenesis and the enigmatic MreB helix. *Nature Reviews Microbiology*, **2015**, 13, 241-8	22.2	97

175	Bacterial cell morphogenesis does not require a preexisting template structure. *Current Biology*, **2014**, 24, 863-7	6.3	38
174	Cell cycle regulation by the bacterial nucleoid. *Current Opinion in Microbiology*, **2014**, 22, 94-101	7.9	56
173	General principles for the formation and proliferation of a wall-free (L-form) state in bacteria. *ELife*, **2014**, 3,	8.9	72
172	Cell Division during Growth and Sporulation **2014**, 97-109		7
171	Interlinked sister chromosomes arise in the absence of condensin during fast replication in B. subtilis. *Current Biology*, **2014**, 24, 293-8	6.3	60
170	Excess membrane synthesis drives a primitive mode of cell proliferation. *Cell*, **2013**, 152, 997-1007	56.2	128
169	The conserved DNA-binding protein WhiA is involved in cell division in Bacillus subtilis. *Journal of Bacteriology*, **2013**, 195, 5450-60	3.5	24
168	L-form bacteria, cell walls and the origins of life. *Open Biology*, **2013**, 3, 120143	7	130
167	Balanced transcription of cell division genes in Bacillus subtilis as revealed by single cell analysis. *Environmental Microbiology*, **2013**, 15, 3196-209	5.2	6
166	Differentiated roles for MreB-actin isologues and autolytic enzymes in Bacillus subtilis morphogenesis. *Molecular Microbiology*, **2013**, 89, 1084-98	4.1	61
165	Soj/ParA stalls DNA replication by inhibiting helix formation of the initiator protein DnaA. *EMBO Journal*, **2012**, 31, 1542-55	13	71
164	Crucial role for membrane fluidity in proliferation of primitive cells. *Cell Reports*, **2012**, 1, 417-23	10.6	53
163	The rod to L-form transition of Bacillus subtilis is limited by a requirement for the protoplast to escape from the cell wall sacculus. *Molecular Microbiology*, **2012**, 83, 52-66	4.1	39
162	Nucleoid occlusion and bacterial cell division. *Nature Reviews Microbiology*, **2011**, 10, 8-12	22.2	142
161	The replicase sliding clamp dynamically accumulates behind progressing replication forks in Bacillus subtilis cells. *Molecular Cell*, **2011**, 41, 720-32	17.6	38
160	Spo0J regulates the oligomeric state of Soj to trigger its switch from an activator to an inhibitor of DNA replication initiation. *Molecular Microbiology*, **2011**, 79, 1089-100	4.1	75
159	Multiple effects of benzamide antibiotics on FtsZ function. *Molecular Microbiology*, **2011**, 80, 68-84	4.1	66
158	Large ring polymers align FtsZ polymers for normal septum formation. *EMBO Journal*, **2011**, 30, 617-26	13	57

157	A widespread family of bacterial cell wall assembly proteins. *EMBO Journal*, **2011**, 30, 4931-41	13	188
156	Transformation of environmental Bacillus subtilis isolates by transiently inducing genetic competence. *PLoS ONE*, **2010**, 5, e9724	3.7	28
155	From spores to antibiotics via the cell cycle. *Microbiology (United Kingdom)*, **2010**, 156, 1-13	2.9	17
154	Functional and morphological adaptation to peptidoglycan precursor alteration in Lactococcus lactis. *Journal of Biological Chemistry*, **2010**, 285, 24003-13	5.4	8
153	Influence of heterologous MreB proteins on cell morphology of Bacillus subtilis. *Microbiology (United Kingdom)*, **2009**, 155, 3611-3621	2.9	19
152	The cell wall regulator {sigma}I specifically suppresses the lethal phenotype of mbl mutants in Bacillus subtilis. *Journal of Bacteriology*, **2009**, 191, 1404-13	3.5	36
151	Effects of oriC relocation on control of replication initiation in Bacillus subtilis. *Microbiology (United Kingdom)*, **2009**, 155, 3070-3082	2.9	4
150	The actin-like MreB cytoskeleton organizes viral DNA replication in bacteria. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13347-52	11.5	42
149	Regulation of cell wall morphogenesis in Bacillus subtilis by recruitment of PBP1 to the MreB helix. *Molecular Microbiology*, **2009**, 71, 1131-44	4.1	99
148	In vivo localizations of membrane stress controllers PspA and PspG in Escherichia coli. *Molecular Microbiology*, **2009**, 73, 382-96	4.1	57
147	Partial functional redundancy of MreB isoforms, MreB, Mbl and MreBH, in cell morphogenesis of Bacillus subtilis. *Molecular Microbiology*, **2009**, 73, 719-31	4.1	76
146	Cellular localization of choline-utilization proteins in Streptococcus pneumoniae using novel fluorescent reporter systems. *Molecular Microbiology*, **2009**, 74, 395-408	4.1	61
145	Localisation of DivIVA by targeting to negatively curved membranes. *EMBO Journal*, **2009**, 28, 2272-82	13	237
144	Noc protein binds to specific DNA sequences to coordinate cell division with chromosome segregation. *EMBO Journal*, **2009**, 28, 1940-52	13	120
143	Distinct and essential morphogenic functions for wall- and lipo-teichoic acids in Bacillus subtilis. *EMBO Journal*, **2009**, 28, 830-42	13	128
142	Life without a wall or division machine in Bacillus subtilis. *Nature*, **2009**, 457, 849-53	50.4	199
141	Bacterial cell division: assembly, maintenance and disassembly of the Z ring. *Nature Reviews Microbiology*, **2009**, 7, 642-53	22.2	597
140	A mechanism for cell cycle regulation of sporulation initiation in Bacillus subtilis. *Genes and Development*, **2009**, 23, 1959-70	12.6	95

139	Recruitment of condensin to replication origin regions by ParB/SpoOJ promotes chromosome segregation in B. subtilis. *Cell*, **2009**, 137, 685-96	56.2	233
138	Control of the cell elongation-division cycle by shuttling of PBP1 protein in Bacillus subtilis. *Molecular Microbiology*, **2008**, 68, 1029-46	4.1	151
137	A novel component of the division-site selection system of Bacillus subtilis and a new mode of action for the division inhibitor MinCD. *Molecular Microbiology*, **2008**, 70, 1556-69	4.1	127
136	Dynamic control of the DNA replication initiation protein DnaA by Soj/ParA. *Cell*, **2008**, 135, 74-84	56.2	160
135	Localization and interactions of teichoic acid synthetic enzymes in Bacillus subtilis. *Journal of Bacteriology*, **2008**, 190, 1812-21	3.5	71
134	An inhibitor of FtsZ with potent and selective anti-staphylococcal activity. *Science*, **2008**, 321, 1673-5	33.3	329
133	Crystal structure of S. aureus YlaN, an essential leucine rich protein involved in the control of cell shape. *Proteins: Structure, Function and Bioinformatics*, **2007**, 68, 438-45	4.2	5
132	Anticipating chromosomal replication fork arrest: SSB targets repair DNA helicases to active forks. *EMBO Journal*, **2007**, 26, 4239-51	13	96
131	Single-molecule force spectroscopy and imaging of the vancomycin/D-Ala-D-Ala interaction. *Nano Letters*, **2007**, 7, 796-801	11.5	125
130	Selectivity for D-lactate incorporation into the peptidoglycan precursors of Lactobacillus plantarum: role of Aad, a VanX-like D-alanyl-D-alanine dipeptidase. *Journal of Bacteriology*, **2007**, 189, 4332-7	3.5	25
129	Essential bacterial functions encoded by gene pairs. *Journal of Bacteriology*, **2007**, 189, 591-602	3.5	45
128	Multiple interactions between the transmembrane division proteins of Bacillus subtilis and the role of FtsL instability in divisome assembly. *Journal of Bacteriology*, **2006**, 188, 7396-404	3.5	63
127	Functional analysis of 11 putative essential genes in Bacillus subtilis. *Microbiology (United Kingdom)*, **2006**, 152, 2895-2907	2.9	93
126	Actin homolog MreBH governs cell morphogenesis by localization of the cell wall hydrolase LytE. *Developmental Cell*, **2006**, 11, 399-409	10.2	160
125	Systematic localisation of proteins fused to the green fluorescent protein in Bacillus subtilis: identification of new proteins at the DNA replication factory. *Proteomics*, **2006**, 6, 2135-46	4.8	77
124	SepF, a novel FtsZ-interacting protein required for a late step in cell division. *Molecular Microbiology*, **2006**, 59, 989-99	4.1	120
123	The bacterial chromosome segregation protein Spo0J spreads along DNA from parS nucleation sites. *Molecular Microbiology*, **2006**, 61, 1352-61	4.1	117
122	Regulated intramembrane proteolysis of FtsL protein and the control of cell division in Bacillus subtilis. *Molecular Microbiology*, **2006**, 62, 580-91	4.1	57

121	Dimeric structure of the cell shape protein MreC and its functional implications. *Molecular Microbiology*, **2006**, 62, 1631-42	4.1	79
120	Novel inhibitors of bacterial cytokinesis identified by a cell-based antibiotic screening assay. *Journal of Biological Chemistry*, **2005**, 280, 39709-15	5.4	92
119	Cell division protein DivIB influences the Spo0J/Soj system of chromosome segregation in Bacillus subtilis. *Molecular Microbiology*, **2005**, 55, 349-67	4.1	22
118	Recruitment of penicillin-binding protein PBP2 to the division site of Staphylococcus aureus is dependent on its transpeptidation substrates. *Molecular Microbiology*, **2005**, 55, 799-807	4.1	124
117	A magnesium-dependent mreB null mutant: implications for the role of mreB in Bacillus subtilis. *Molecular Microbiology*, **2005**, 55, 1646-57	4.1	141
116	Roles for MreC and MreD proteins in helical growth of the cylindrical cell wall in Bacillus subtilis. *Molecular Microbiology*, **2005**, 57, 1196-209	4.1	131
115	Molecular basis for the exploitation of spore formation as survival mechanism by virulent phage phi29. *EMBO Journal*, **2005**, 24, 3647-57	13	23
114	ftsZ mutations affecting cell division frequency, placement and morphology in Bacillus subtilis. *Microbiology (United Kingdom)*, **2005**, 151, 2053-2064	2.9	30
113	Diversity and redundancy in bacterial chromosome segregation mechanisms. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2005**, 360, 497-505	5.8	33
112	PBP1 is a component of the Bacillus subtilis cell division machinery. *Journal of Bacteriology*, **2004**, 186, 5153-6	3.5	43
111	Genetic analysis of the Bacillus subtilis sigG promoter, which controls the sporulation-specific transcription factor sigma G. *Microbiology (United Kingdom)*, **2004**, 150, 2277-2287	2.9	10
110	A divIVA null mutant of Staphylococcus aureus undergoes normal cell division. *FEMS Microbiology Letters*, **2004**, 240, 145-9	2.9	39
109	Several distinct localization patterns for penicillin-binding proteins in Bacillus subtilis. *Molecular Microbiology*, **2004**, 51, 749-64	4.1	125
108	Coordination of cell division and chromosome segregation by a nucleoid occlusion protein in Bacillus subtilis. *Cell*, **2004**, 117, 915-25	56.2	310
107	Cytokinesis in bacteria. *Microbiology and Molecular Biology Reviews*, **2003**, 67, 52-65, table of contents	13.2	499
106	Analysis of the interaction between the transcription factor sigmaG and the anti-sigma factor SpoIIAB of Bacillus subtilis. *Journal of Bacteriology*, **2003**, 185, 4615-9	3.5	15
105	A dynamic bacterial cytoskeleton. *Trends in Cell Biology*, **2003**, 13, 577-83	18.3	102
104	RacA and the Soj-Spo0J system combine to effect polar chromosome segregation in sporulating Bacillus subtilis. *Molecular Microbiology*, **2003**, 49, 1463-75	4.1	165

103	Dispersed mode of Staphylococcus aureus cell wall synthesis in the absence of the division machinery. *Molecular Microbiology*, **2003**, 50, 871-81	4.1	192
102	A role for division-site-selection protein MinD in regulation of internucleoid jumping of Soj (ParA) protein in Bacillus subtilis. *Molecular Microbiology*, **2003**, 47, 159-69	4.1	35
101	Dynamic proteins and a cytoskeleton in bacteria. *Nature Cell Biology*, **2003**, 5, 175-8	23.4	66
100	Regulation of endospore formation in Bacillus subtilis. *Nature Reviews Microbiology*, **2003**, 1, 117-26	22.2	445
99	Essential Bacillus subtilis genes. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 4678-83	11.5	1115
98	Control of cell morphogenesis in bacteria: two distinct ways to make a rod-shaped cell. *Cell*, **2003**, 113, 767-76	56.2	611
97	The bacterial cytoskeleton: in vivo dynamics of the actin-like protein Mbl of Bacillus subtilis. *Developmental Cell*, **2003**, 4, 19-28	10.2	169
96	Identification of sporulation genes by genome-wide analysis of the sigmaE regulon of Bacillus subtilis. *Microbiology (United Kingdom)*, **2003**, 149, 3023-3034	2.9	60
95	Polar targeting of DivIVA in Bacillus subtilis is not directly dependent on FtsZ or PBP 2B. *Journal of Bacteriology*, **2003**, 185, 693-7	3.5	40
94	The cell differentiation protein SpoIIE contains a regulatory site that controls its phosphatase activity in response to asymmetric septation. *Molecular Microbiology*, **2002**, 45, 1119-30	4.1	32
93	A large dispersed chromosomal region required for chromosome segregation in sporulating cells of Bacillus subtilis. *EMBO Journal*, **2002**, 21, 4001-11	13	44
92	Characterization of the parB-like yyaA gene of Bacillus subtilis. *Journal of Bacteriology*, **2002**, 184, 1102-11	3.5	19
91	An expanded view of bacterial DNA replication. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 8342-7	11.5	160
90	Isolation and characterization of topological specificity mutants of minD in Bacillus subtilis. *Molecular Microbiology*, **2001**, 42, 1211-21	4.1	22
89	Export of active green fluorescent protein to the periplasm by the twin-arginine translocase (Tat) pathway in Escherichia coli. *Molecular Microbiology*, **2001**, 39, 47-53	4.1	248
88	Cytological and biochemical characterization of the FtsA cell division protein of Bacillus subtilis. *Molecular Microbiology*, **2001**, 40, 115-25	4.1	115
87	Genetic analysis of the chromosome segregation protein Spo0J of Bacillus subtilis: evidence for separate domains involved in DNA binding and interactions with Soj protein. *Molecular Microbiology* , **2001**, 41, 743-55	4.1	73
86	DNA transport in bacteria. *Nature Reviews Molecular Cell Biology*, **2001**, 2, 538-45	48.7	104

85	Division site selection protein DivIVA of Bacillus subtilis has a second distinct function in chromosome segregation during sporulation. *Genes and Development*, **2001**, 15, 1662-73	12.6	105
84	Two essential DNA polymerases at the bacterial replication fork. *Science*, **2001**, 294, 1716-9	33.3	131
83	Dynamic proteins in bacteria. *Developmental Cell*, **2001**, 1, 10-1	10.2	11
82	Septation and chromosome segregation during sporulation in Bacillus subtilis. *Current Opinion in Microbiology*, **2001**, 4, 660-6	7.9	36
81	Control of cell shape in bacteria: helical, actin-like filaments in Bacillus subtilis. *Cell*, **2001**, 104, 913-22	56.2	752
80	Role of penicillin-binding protein PBP 2B in assembly and functioning of the division machinery of Bacillus subtilis. *Molecular Microbiology*, **2000**, 35, 299-311	4.1	104
79	Intrinsic instability of the essential cell division protein FtsL of Bacillus subtilis and a role for DivIB protein in FtsL turnover. *Molecular Microbiology*, **2000**, 36, 278-89	4.1	68
78	The Bacillus subtilis cell division protein FtsL localizes to sites of septation and interacts with DivIC. *Molecular Microbiology*, **2000**, 36, 846-55	4.1	45
77	Dynamic relocalization of phage phi 29 DNA during replication and the role of the viral protein p16.7. *EMBO Journal*, **2000**, 19, 4182-90	13	17
76	Compartmentalization of transcription and translation in Bacillus subtilis. *EMBO Journal*, **2000**, 19, 710-813		204
75	Analysis of the essential cell division gene ftsL of Bacillus subtilis by mutagenesis and heterologous complementation. *Journal of Bacteriology*, **2000**, 182, 5572-9	3.5	15
74	Role of Bacillus subtilis SpoIIIE in DNA transport across the mother cell-prespore division septum. *Science*, **2000**, 290, 995-7	33.3	156
73	Identification and characterization of a new prespore-specific regulatory gene, rsfA, of Bacillus subtilis. *Journal of Bacteriology*, **2000**, 182, 418-24	3.5	21
72	Selection of the midcell division site in Bacillus subtilis through MinD-dependent polar localization and activation of MinC. *Molecular Microbiology*, **1999**, 33, 84-96	4.1	157
71	Characterization of a morphological checkpoint coupling cell-specific transcription to septation in Bacillus subtilis. *Molecular Microbiology*, **1999**, 33, 1015-26	4.1	40
70	Upheaval in the bacterial nucleoid. An active chromosome segregation mechanism. *Trends in Genetics*, **1999**, 15, 70-4	8.5	60
69	Dynamic movement of the ParA-like Soj protein of B. subtilis and its dual role in nucleoid organization and developmental regulation. *Molecular Cell*, **1999**, 4, 673-82	17.6	173
68	Use of asymmetric cell division and spoIIIE mutants to probe chromosome orientation and organization in Bacillus subtilis. *Molecular Microbiology*, **1998**, 27, 777-86	4.1	107

67	A fixed distance for separation of newly replicated copies of oriC in Bacillus subtilis: implications for co-ordination of chromosome segregation and cell division. *Molecular Microbiology*, **1998**, 28, 981-90	4.1	79
66	Characterization of the essential cell division gene ftsL(yIID) of Bacillus subtilis and its role in the assembly of the division apparatus. *Molecular Microbiology*, **1998**, 29, 593-604	4.1	97
65	A 28 kbp segment from the spoVM region of the Bacillus subtilis 168 genome. *Microbiology (United Kingdom)*, **1998**, 144 (Pt 3), 801-805	2.9	8
64	Polar localization of the MinD protein of Bacillus subtilis and its role in selection of the mid-cell division site. *Genes and Development*, **1998**, 12, 3419-30	12.6	293
63	Prespore-specific gene expression in Bacillus subtilis is driven by sequestration of SpoIIE phosphatase to the prespore side of the asymmetric septum. *Genes and Development*, **1998**, 12, 1371-80	12.6	59
62	Dynamic, mitotic-like behavior of a bacterial protein required for accurate chromosome partitioning. *Genes and Development*, **1997**, 11, 1160-8	12.6	275
61	Isolation and characterization of the lacA gene encoding beta-galactosidase in Bacillus subtilis and a regulator gene, lacR. *Journal of Bacteriology*, **1997**, 179, 5636-8	3.5	52
60	Bacillus subtilis SpoIIID protein binds to two sites in the spoVD promoter and represses transcription by sigmaE RNA polymerase. *Journal of Bacteriology*, **1997**, 179, 972-5	3.5	18
59	Direct evidence for active segregation of oriC regions of the Bacillus subtilis chromosome and co-localization with the SpoOJ partitioning protein. *Molecular Microbiology*, **1997**, 25, 945-54	4.1	159
58	The complete genome sequence of the gram-positive bacterium Bacillus subtilis. *Nature*, **1997**, 390, 249-56	36.4	3107
57	Septal localization of the SpoIIIE chromosome partitioning protein in Bacillus subtilis. *EMBO Journal* , **1997**, 16, 2161-9	13	128
56	The Bacillus subtilis DivIVA protein targets to the division septum and controls the site specificity of cell division. *Molecular Microbiology*, **1997**, 24, 905-15	4.1	240
55	Control of the cell-specificity of sigma F activity in Bacillus subtilis. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1996**, 351, 537-42	5.8	7
54	Use of green fluorescent protein for detection of cell-specific gene expression and subcellular protein localization during sporulation in Bacillus subtilis. *Microbiology (United Kingdom)*, **1996**, 142 (Pt 4), 733-740	2.9	54
53	A complex four-gene operon containing essential cell division gene pbpB in Bacillus subtilis. *Journal of Bacteriology*, **1996**, 178, 2343-50	3.5	69
52	Determination of cell fate in Bacillus subtilis. *Trends in Genetics*, **1996**, 12, 31-4	8.5	49
51	Compartmentalized distribution of the proteins controlling the prespore-specific transcription factor sigmaF of Bacillus subtilis. *Genes To Cells*, **1996**, 1, 881-94	2.3	43
50	Establishing differential gene expression in sporulating Bacillus subtilis: phosphorylation of SpoIIAA (anti-anti-sigmaF) alters its conformation and prevents formation of a SpoIIAA/SpoIIAB/ADP complex. *Molecular Microbiology*, **1996**, 19, 901-7	4.1	38

49	The Bacillus subtilis soj-spo0J locus is required for a centromere-like function involved in prespore chromosome partitioning. *Molecular Microbiology*, **1996**, 21, 501-9	4.1	136
48	Timing and genetic regulation of commitment to sporulation in Bacillus subtilis. *Microbiology (United Kingdom)*, **1996**, 142 (Pt 12), 3445-52	2.9	27
47	Bifunctional protein required for asymmetric cell division and cell-specific transcription in Bacillus subtilis. *Genes and Development*, **1996**, 10, 794-803	12.6	95
46	Chromosome partitioning in bacteria. *Annual Review of Genetics*, **1995**, 29, 41-67	14.5	56
45	Medium-dependent sporulation resulting from a mutation in the spollAB gene of Bacillus subtilis. *Microbiology (United Kingdom)*, **1995**, 141, 1763-1769	2.9	2
44	Characterization of an insertion in the phage phi 105 genome that blocks host Bacillus subtilis lysis and provides strong expression of heterologous genes. *Gene*, **1995**, 154, 1-6	3.8	14
43	Characterization of cell cycle events during the onset of sporulation in Bacillus subtilis. *Journal of Bacteriology*, **1995**, 177, 3923-31	3.5	80
42	Postseptational chromosome partitioning in bacteria. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 8630-4	11.5	89
41	Bacillus subtilis SpoIIIE protein required for DNA segregation during asymmetric cell division. *Science*, **1994**, 264, 572-5	33.3	283
40	Role of interactions between SpoIIAA and SpoIIAB in regulating cell-specific transcription factor sigma F of Bacillus subtilis. *Genes and Development*, **1994**, 8, 2653-63	12.6	150
39	Use of digitized video microscopy with a fluorogenic enzyme substrate to demonstrate cell- and compartment-specific gene expression in Salmonella enteritidis and Bacillus subtilis. *Molecular Microbiology*, **1994**, 13, 655-62	4.1	34
38	The Bacillus subtilis spoVD gene encodes a mother-cell-specific penicillin-binding protein required for spore morphogenesis. *Journal of Molecular Biology*, **1994**, 235, 209-20	6.5	85
37	Sigma factors, asymmetry, and the determination of cell fate in Bacillus subtilis. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 3849-53	11.5	82
36	Cloning, DNA sequence, functional analysis and transcriptional regulation of the genes encoding dipicolinic acid synthetase required for sporulation in Bacillus subtilis. *Journal of Molecular Biology*, **1993**, 232, 468-83	6.5	79
35	An efficient expression and secretion system based on Bacillus subtilis phage phi 105 and its use for the production of B. cereus beta-lactamase I. *Gene*, **1993**, 133, 47-53	3.8	25
34	Sigma F, the first compartment-specific transcription factor of B. subtilis, is regulated by an anti-sigma factor that is also a protein kinase. *Cell*, **1993**, 74, 735-42	56.2	231
33	Effects of new mutations in the spoIIAB gene of Bacillus subtilis on the regulation of sigma F and sigma G activities. *Journal of General Microbiology*, **1993**, 139, 3197-203		13
32	DNA sequence of the murE-murD region of Bacillus subtilis 168. *Journal of General Microbiology*, **1993**, 139, 361-70		30

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