

Jeff Errington

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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	The complete genome sequence of the gram-positive bacterium <i>Bacillus subtilis</i> . <i>Nature</i> , 1997 , 390, 249-564	56.4	3107
209	Essential <i>Bacillus subtilis</i> genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 4678-83	11.5	1115
208	Control of cell shape in bacteria: helical, actin-like filaments in <i>Bacillus subtilis</i> . <i>Cell</i> , 2001 , 104, 913-22	56.2	752
207	Control of cell morphogenesis in bacteria: two distinct ways to make a rod-shaped cell. <i>Cell</i> , 2003 , 113, 767-76	56.2	611
206	Bacterial cell division: assembly, maintenance and disassembly of the Z ring. <i>Nature Reviews Microbiology</i> , 2009 , 7, 642-53	22.2	597
205	Cytokinesis in bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2003 , 67, 52-65, table of contents	13.2	499
204	Regulation of endospore formation in <i>Bacillus subtilis</i> . <i>Nature Reviews Microbiology</i> , 2003 , 1, 117-26	22.2	445
203	An inhibitor of FtsZ with potent and selective anti-staphylococcal activity. <i>Science</i> , 2008 , 321, 1673-5	33.3	329
202	Coordination of cell division and chromosome segregation by a nucleoid occlusion protein in <i>Bacillus subtilis</i> . <i>Cell</i> , 2004 , 117, 915-25	56.2	310
201	Polar localization of the MinD protein of <i>Bacillus subtilis</i> and its role in selection of the mid-cell division site. <i>Genes and Development</i> , 1998 , 12, 3419-30	12.6	293
200	<i>Bacillus subtilis</i> SpoIIIE protein required for DNA segregation during asymmetric cell division. <i>Science</i> , 1994 , 264, 572-5	33.3	283
199	Dynamic, mitotic-like behavior of a bacterial protein required for accurate chromosome partitioning. <i>Genes and Development</i> , 1997 , 11, 1160-8	12.6	275
198	Export of active green fluorescent protein to the periplasm by the twin-arginine translocase (Tat) pathway in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2001 , 39, 47-53	4.1	248
197	The <i>Bacillus subtilis</i> DivIVA protein targets to the division septum and controls the site specificity of cell division. <i>Molecular Microbiology</i> , 1997 , 24, 905-15	4.1	240
196	Localisation of DivIVA by targeting to negatively curved membranes. <i>EMBO Journal</i> , 2009 , 28, 2272-82	13	237
195	Recruitment of condensin to replication origin regions by ParB/SpoOJ promotes chromosome segregation in <i>B. subtilis</i> . <i>Cell</i> , 2009 , 137, 685-96	56.2	233
194	Sigma F, the first compartment-specific transcription factor of <i>B. subtilis</i> , is regulated by an anti-sigma factor that is also a protein kinase. <i>Cell</i> , 1993 , 74, 735-42	56.2	231

193	Compartmentalization of transcription and translation in <i>Bacillus subtilis</i> . <i>EMBO Journal</i> , 2000 , 19, 710-813	204
192	Life without a wall or division machine in <i>Bacillus subtilis</i> . <i>Nature</i> , 2009 , 457, 849-53	50.4 199
191	Dispersed mode of <i>Staphylococcus aureus</i> cell wall synthesis in the absence of the division machinery. <i>Molecular Microbiology</i> , 2003 , 50, 871-81	4.1 192
190	A widespread family of bacterial cell wall assembly proteins. <i>EMBO Journal</i> , 2011 , 30, 4931-41	13 188
189	Dynamic movement of the ParA-like Soj protein of <i>B. subtilis</i> and its dual role in nucleoid organization and developmental regulation. <i>Molecular Cell</i> , 1999 , 4, 673-82	17.6 173
188	The bacterial cytoskeleton: in vivo dynamics of the actin-like protein Mbl of <i>Bacillus subtilis</i> . <i>Developmental Cell</i> , 2003 , 4, 19-28	10.2 169
187	RacA and the Soj-Spo0J system combine to effect polar chromosome segregation in sporulating <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2003 , 49, 1463-75	4.1 165
186	Dynamic control of the DNA replication initiation protein DnaA by Soj/ParA. <i>Cell</i> , 2008 , 135, 74-84	56.2 160
185	Actin homolog MreBH governs cell morphogenesis by localization of the cell wall hydrolase LytE. <i>Developmental Cell</i> , 2006 , 11, 399-409	10.2 160
184	An expanded view of bacterial DNA replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 8342-7	11.5 160
183	Direct evidence for active segregation of oriC regions of the <i>Bacillus subtilis</i> chromosome and co-localization with the Spo0J partitioning protein. <i>Molecular Microbiology</i> , 1997 , 25, 945-54	4.1 159
182	Selection of the midcell division site in <i>Bacillus subtilis</i> through MinD-dependent polar localization and activation of MinC. <i>Molecular Microbiology</i> , 1999 , 33, 84-96	4.1 157
181	Role of <i>Bacillus subtilis</i> SpoIIIE in DNA transport across the mother cell-prespore division septum. <i>Science</i> , 2000 , 290, 995-7	33.3 156
180	Control of the cell elongation-division cycle by shuttling of PBP1 protein in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2008 , 68, 1029-46	4.1 151
179	Role of interactions between SpoIIAA and SpoIIAB in regulating cell-specific transcription factor sigma F of <i>Bacillus subtilis</i> . <i>Genes and Development</i> , 1994 , 8, 2653-63	12.6 150
178	The importance of morphological events and intercellular interactions in the regulation of prespore-specific gene expression during sporulation in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 1993 , 8, 945-55	4.1 148
177	Nucleoid occlusion and bacterial cell division. <i>Nature Reviews Microbiology</i> , 2011 , 10, 8-12	22.2 142
176	A magnesium-dependent mreB null mutant: implications for the role of mreB in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2005 , 55, 1646-57	4.1 141

175	The <i>Bacillus subtilis</i> <i>soj-spo0J</i> locus is required for a centromere-like function involved in prespore chromosome partitioning. <i>Molecular Microbiology</i> , 1996 , 21, 501-9	4.1	136
174	Genetic regulation of morphogenesis in <i>Bacillus subtilis</i> : roles of sigma E and sigma F in prespore engulfment. <i>Journal of Bacteriology</i> , 1991 , 173, 3159-69	3.5	132
173	Roles for MreC and MreD proteins in helical growth of the cylindrical cell wall in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2005 , 57, 1196-209	4.1	131
172	Two essential DNA polymerases at the bacterial replication fork. <i>Science</i> , 2001 , 294, 1716-9	33.3	131
171	L-form bacteria, cell walls and the origins of life. <i>Open Biology</i> , 2013 , 3, 120143	7	130
170	Excess membrane synthesis drives a primitive mode of cell proliferation. <i>Cell</i> , 2013 , 152, 997-1007	56.2	128
169	Distinct and essential morphogenic functions for wall- and lipo-teichoic acids in <i>Bacillus subtilis</i> . <i>EMBO Journal</i> , 2009 , 28, 830-42	13	128
168	Septal localization of the SpoIIIE chromosome partitioning protein in <i>Bacillus subtilis</i> . <i>EMBO Journal</i> , 1997 , 16, 2161-9	13	128
167	A novel component of the division-site selection system of <i>Bacillus subtilis</i> and a new mode of action for the division inhibitor MinCD. <i>Molecular Microbiology</i> , 2008 , 70, 1556-69	4.1	127
166	Single-molecule force spectroscopy and imaging of the vancomycin/D-Ala-D-Ala interaction. <i>Nano Letters</i> , 2007 , 7, 796-801	11.5	125
165	Several distinct localization patterns for penicillin-binding proteins in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2004 , 51, 749-64	4.1	125
164	Recruitment of penicillin-binding protein PBP2 to the division site of <i>Staphylococcus aureus</i> is dependent on its transpeptidation substrates. <i>Molecular Microbiology</i> , 2005 , 55, 799-807	4.1	124
163	Noc protein binds to specific DNA sequences to coordinate cell division with chromosome segregation. <i>EMBO Journal</i> , 2009 , 28, 1940-52	13	120
162	SepF, a novel FtsZ-interacting protein required for a late step in cell division. <i>Molecular Microbiology</i> , 2006 , 59, 989-99	4.1	120
161	Regulation of peptidoglycan synthesis and remodelling. <i>Nature Reviews Microbiology</i> , 2020 , 18, 446-460	22.2	119
160	The bacterial chromosome segregation protein Spo0J spreads along DNA from <i>parS</i> nucleation sites. <i>Molecular Microbiology</i> , 2006 , 61, 1352-61	4.1	117
159	Cytological and biochemical characterization of the FtsA cell division protein of <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2001 , 40, 115-25	4.1	115
158	Use of asymmetric cell division and <i>spoIIIE</i> mutants to probe chromosome orientation and organization in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 1998 , 27, 777-86	4.1	107

157	Division site selection protein DivIVA of <i>Bacillus subtilis</i> has a second distinct function in chromosome segregation during sporulation. <i>Genes and Development</i> , 2001 , 15, 1662-73	12.6	105
156	DNA transport in bacteria. <i>Nature Reviews Molecular Cell Biology</i> , 2001 , 2, 538-45	48.7	104
155	Role of penicillin-binding protein PBP 2B in assembly and functioning of the division machinery of <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2000 , 35, 299-311	4.1	104
154	A dynamic bacterial cytoskeleton. <i>Trends in Cell Biology</i> , 2003 , 13, 577-83	18.3	102
153	Characterization of a sporulation gene, <i>spoIVA</i> , involved in spore coat morphogenesis in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1992 , 174, 586-94	3.5	100
152	Regulation of cell wall morphogenesis in <i>Bacillus subtilis</i> by recruitment of PBP1 to the MreB helix. <i>Molecular Microbiology</i> , 2009 , 71, 1131-44	4.1	99
151	Bacterial morphogenesis and the enigmatic MreB helix. <i>Nature Reviews Microbiology</i> , 2015 , 13, 241-8	22.2	97
150	Characterization of the essential cell division gene <i>ftsL</i> (yIIID) of <i>Bacillus subtilis</i> and its role in the assembly of the division apparatus. <i>Molecular Microbiology</i> , 1998 , 29, 593-604	4.1	97
149	Anticipating chromosomal replication fork arrest: SSB targets repair DNA helicases to active forks. <i>EMBO Journal</i> , 2007 , 26, 4239-51	13	96
148	RodA as the missing glycosyltransferase in <i>Bacillus subtilis</i> and antibiotic discovery for the peptidoglycan polymerase pathway. <i>Nature Microbiology</i> , 2017 , 2, 16253	26.6	95
147	A mechanism for cell cycle regulation of sporulation initiation in <i>Bacillus subtilis</i> . <i>Genes and Development</i> , 2009 , 23, 1959-70	12.6	95
146	Bifunctional protein required for asymmetric cell division and cell-specific transcription in <i>Bacillus subtilis</i> . <i>Genes and Development</i> , 1996 , 10, 794-803	12.6	95
145	Functional analysis of 11 putative essential genes in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2006 , 152, 2895-2907	2.9	93
144	Novel inhibitors of bacterial cytokinesis identified by a cell-based antibiotic screening assay. <i>Journal of Biological Chemistry</i> , 2005 , 280, 39709-15	5.4	92
143	Postseptational chromosome partitioning in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 8630-4	11.5	89
142	Bacterial Membranes: Structure, Domains, and Function. <i>Annual Review of Microbiology</i> , 2017 , 71, 519-538	17.5	87
141	The <i>Bacillus subtilis</i> <i>spoVD</i> gene encodes a mother-cell-specific penicillin-binding protein required for spore morphogenesis. <i>Journal of Molecular Biology</i> , 1994 , 235, 209-20	6.5	85
140	Sigma factors, asymmetry, and the determination of cell fate in <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 3849-53	11.5	82

139	Cloning and sequencing of the cell division gene <i>pbpB</i> , which encodes penicillin-binding protein 2B in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1993 , 175, 7604-16	3.5	80
138	Characterization of cell cycle events during the onset of sporulation in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1995 , 177, 3923-31	3.5	80
137	Structure and function of the <i>spoIIJ</i> gene of <i>Bacillus subtilis</i> : a vegetatively expressed gene that is essential for sigma G activity at an intermediate stage of sporulation. <i>Journal of General Microbiology</i> , 1992 , 138, 2609-18		80
136	A fixed distance for separation of newly replicated copies of <i>oriC</i> in <i>Bacillus subtilis</i> : implications for co-ordination of chromosome segregation and cell division. <i>Molecular Microbiology</i> , 1998 , 28, 981-90 ^{4.1}		79
135	Dimeric structure of the cell shape protein MreC and its functional implications. <i>Molecular Microbiology</i> , 2006 , 62, 1631-42	4.1	79
134	Cloning, DNA sequence, functional analysis and transcriptional regulation of the genes encoding dipicolinic acid synthetase required for sporulation in <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 1993 , 232, 468-83	6.5	79
133	Systematic localisation of proteins fused to the green fluorescent protein in <i>Bacillus subtilis</i> : identification of new proteins at the DNA replication factory. <i>Proteomics</i> , 2006 , 6, 2135-46	4.8	77
132	Partial functional redundancy of MreB isoforms, MreB, Mbl and MreBH, in cell morphogenesis of <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2009 , 73, 719-31	4.1	76
131	Spo0J regulates the oligomeric state of Soj to trigger its switch from an activator to an inhibitor of DNA replication initiation. <i>Molecular Microbiology</i> , 2011 , 79, 1089-100	4.1	75
130	Genetic analysis of the chromosome segregation protein Spo0J of <i>Bacillus subtilis</i> : evidence for separate domains involved in DNA binding and interactions with Soj protein. <i>Molecular Microbiology</i> , 2001 , 41, 743-55	4.1	73
129	General principles for the formation and proliferation of a wall-free (L-form) state in bacteria. <i>ELife</i> , 2014 , 3,	8.9	72
128	Soj/ParA stalls DNA replication by inhibiting helix formation of the initiator protein DnaA. <i>EMBO Journal</i> , 2012 , 31, 1542-55	13	71
127	Localization and interactions of teichoic acid synthetic enzymes in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2008 , 190, 1812-21	3.5	71
126	A complex four-gene operon containing essential cell division gene <i>pbpB</i> in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1996 , 178, 2343-50	3.5	69
125	Intrinsic instability of the essential cell division protein FtsL of <i>Bacillus subtilis</i> and a role for DivIB protein in FtsL turnover. <i>Molecular Microbiology</i> , 2000 , 36, 278-89	4.1	68
124	The <i>spoIIA</i> operon of <i>Bacillus subtilis</i> defines a new temporal class of mother-cell-specific sporulation genes under the control of the sigma E form of RNA polymerase. <i>Molecular Microbiology</i> , 1991 , 5, 1927-40	4.1	68
123	Multiple effects of benzamide antibiotics on FtsZ function. <i>Molecular Microbiology</i> , 2011 , 80, 68-84	4.1	66
122	Dynamic proteins and a cytoskeleton in bacteria. <i>Nature Cell Biology</i> , 2003 , 5, 175-8	23.4	66

121	Nucleoid occlusion protein Noc recruits DNA to the bacterial cell membrane. <i>EMBO Journal</i> , 2015 , 34, 491-501	13	63
120	Multiple interactions between the transmembrane division proteins of <i>Bacillus subtilis</i> and the role of FtsL instability in divisome assembly. <i>Journal of Bacteriology</i> , 2006 , 188, 7396-404	3.5	63
119	Differentiated roles for MreB-actin isologues and autolytic enzymes in <i>Bacillus subtilis</i> morphogenesis. <i>Molecular Microbiology</i> , 2013 , 89, 1084-98	4.1	61
118	Cellular localization of choline-utilization proteins in <i>Streptococcus pneumoniae</i> using novel fluorescent reporter systems. <i>Molecular Microbiology</i> , 2009 , 74, 395-408	4.1	61
117	Interlinked sister chromosomes arise in the absence of condensin during fast replication in <i>B. subtilis</i> . <i>Current Biology</i> , 2014 , 24, 293-8	6.3	60
116	Identification of sporulation genes by genome-wide analysis of the sigmaE regulon of <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2003 , 149, 3023-3034	2.9	60
115	Upheaval in the bacterial nucleoid. An active chromosome segregation mechanism. <i>Trends in Genetics</i> , 1999 , 15, 70-4	8.5	60
114	Prespore-specific gene expression in <i>Bacillus subtilis</i> is driven by sequestration of SpoIIE phosphatase to the prespore side of the asymmetric septum. <i>Genes and Development</i> , 1998 , 12, 1371-80 ^{12.6}	59	
113	Large ring polymers align FtsZ polymers for normal septum formation. <i>EMBO Journal</i> , 2011 , 30, 617-26	13	57
112	In vivo localizations of membrane stress controllers PspA and PspG in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2009 , 73, 382-96	4.1	57
111	Regulated intramembrane proteolysis of FtsL protein and the control of cell division in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2006 , 62, 580-91	4.1	57
110	Cell cycle regulation by the bacterial nucleoid. <i>Current Opinion in Microbiology</i> , 2014 , 22, 94-101	7.9	56
109	Chromosome partitioning in bacteria. <i>Annual Review of Genetics</i> , 1995 , 29, 41-67	14.5	56
108	The role of sigma F in prespore-specific transcription in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 1991 , 5, 757-67	4.1	56
107	Use of green fluorescent protein for detection of cell-specific gene expression and subcellular protein localization during sporulation in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 1996 , 142 (Pt 4), 733-740	2.9	54
106	Cell growth of wall-free L-form bacteria is limited by oxidative damage. <i>Current Biology</i> , 2015 , 25, 1613-8 ^{6.3}	53	
105	Crucial role for membrane fluidity in proliferation of primitive cells. <i>Cell Reports</i> , 2012 , 1, 417-23	10.6	53
104	Isolation and characterization of the lacA gene encoding beta-galactosidase in <i>Bacillus subtilis</i> and a regulator gene, lacR. <i>Journal of Bacteriology</i> , 1997 , 179, 5636-8	3.5	52

103	The role of the sporulation gene spoIIIE in the regulation of prespore-specific gene expression in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 1989 , 3, 1247-55	4.1	51
102	Determination of cell fate in <i>Bacillus subtilis</i> . <i>Trends in Genetics</i> , 1996 , 12, 31-4	8.5	49
101	Lysozyme Counteracts β -Lactam Antibiotics by Promoting the Emergence of L-Form Bacteria. <i>Cell</i> , 2018 , 172, 1038-1049.e10	56.2	47
100	L-form bacteria, chronic diseases and the origins of life. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	47
99	Duplicated sporulation genes in bacteria. <i>FEBS Letters</i> , 1985 , 188, 184-188	3.8	47
98	Essential bacterial functions encoded by gene pairs. <i>Journal of Bacteriology</i> , 2007 , 189, 591-602	3.5	45
97	The <i>Bacillus subtilis</i> cell division protein FtsL localizes to sites of septation and interacts with DivIC. <i>Molecular Microbiology</i> , 2000 , 36, 846-55	4.1	45
96	A large dispersed chromosomal region required for chromosome segregation in sporulating cells of <i>Bacillus subtilis</i> . <i>EMBO Journal</i> , 2002 , 21, 4001-11	13	44
95	PBP1 is a component of the <i>Bacillus subtilis</i> cell division machinery. <i>Journal of Bacteriology</i> , 2004 , 186, 5153-6	3.5	43
94	Compartmentalized distribution of the proteins controlling the prespore-specific transcription factor sigmaF of <i>Bacillus subtilis</i> . <i>Genes To Cells</i> , 1996 , 1, 881-94	2.3	43
93	The actin-like MreB cytoskeleton organizes viral DNA replication in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13347-52	11.5	42
92	Sequential activation of dual promoters by different sigma factors maintains spoVJ expression during successive developmental stages of <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 1991 , 5, 1363-73	4.1	42
91	Differential gene expression during sporulation in <i>Bacillus subtilis</i> : structure and regulation of the spoIIID gene. <i>Molecular Microbiology</i> , 1990 , 4, 543-51	4.1	42
90	Polar targeting of DivIVA in <i>Bacillus subtilis</i> is not directly dependent on FtsZ or PBP 2B. <i>Journal of Bacteriology</i> , 2003 , 185, 693-7	3.5	40
89	Characterization of a morphological checkpoint coupling cell-specific transcription to septation in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 1999 , 33, 1015-26	4.1	40
88	The rod to L-form transition of <i>Bacillus subtilis</i> is limited by a requirement for the protoplast to escape from the cell wall sacculus. <i>Molecular Microbiology</i> , 2012 , 83, 52-66	4.1	39
87	A divIVA null mutant of <i>Staphylococcus aureus</i> undergoes normal cell division. <i>FEMS Microbiology Letters</i> , 2004 , 240, 145-9	2.9	39
86	Bacterial cell morphogenesis does not require a preexisting template structure. <i>Current Biology</i> , 2014 , 24, 863-7	6.3	38

85	The replicase sliding clamp dynamically accumulates behind progressing replication forks in <i>Bacillus subtilis</i> cells. <i>Molecular Cell</i> , 2011 , 41, 720-32	17.6	38
84	Establishing differential gene expression in sporulating <i>Bacillus subtilis</i> : phosphorylation of SpoIIAA (anti-anti-sigmaF) alters its conformation and prevents formation of a SpoIIAA/SpoIIAB/ADP complex. <i>Molecular Microbiology</i> , 1996 , 19, 901-7	4.1	38
83	The <i>Bacillus subtilis</i> spo0J gene: evidence for involvement in catabolite repression of sporulation. <i>Journal of Bacteriology</i> , 1991 , 173, 1911-9	3.5	37
82	The cell wall regulator {sigma}I specifically suppresses the lethal phenotype of mbl mutants in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2009 , 191, 1404-13	3.5	36
81	Septation and chromosome segregation during sporulation in <i>Bacillus subtilis</i> . <i>Current Opinion in Microbiology</i> , 2001 , 4, 660-6	7.9	36
80	A role for division-site-selection protein MinD in regulation of internucleoid jumping of Soj (ParA) protein in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2003 , 47, 159-69	4.1	35
79	Isolation and characterization of mutations in the gene encoding an endogenous <i>Bacillus subtilis</i> beta-galactosidase and its regulator. <i>Journal of Bacteriology</i> , 1990 , 172, 488-90	3.5	35
78	Cell Cycle Machinery in <i>Bacillus subtilis</i> . <i>Sub-Cellular Biochemistry</i> , 2017 , 84, 67-101	5.5	34
77	Use of digitized video microscopy with a fluorogenic enzyme substrate to demonstrate cell- and compartment-specific gene expression in <i>Salmonella enteritidis</i> and <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 1994 , 13, 655-62	4.1	34
76	Diversity and redundancy in bacterial chromosome segregation mechanisms. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005 , 360, 497-505	5.8	33
75	Establishment of cell-specific transcription during sporulation in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 1992 , 6, 689-95	4.1	33
74	Mode of Action of Kanglemycin A, an Ansamycin Natural Product that Is Active against Rifampicin-Resistant <i>Mycobacterium tuberculosis</i> . <i>Molecular Cell</i> , 2018 , 72, 263-274.e5	17.6	33
73	The cell differentiation protein SpoIIIE contains a regulatory site that controls its phosphatase activity in response to asymmetric septation. <i>Molecular Microbiology</i> , 2002 , 45, 1119-30	4.1	32
72	ftsZ mutations affecting cell division frequency, placement and morphology in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2005 , 151, 2053-2064	2.9	30
71	DNA sequence of the murE-murD region of <i>Bacillus subtilis</i> 168. <i>Journal of General Microbiology</i> , 1993 , 139, 361-70		30
70	Mode of Action and Heterologous Expression of the Natural Product Antibiotic Vancoresmycin. <i>ACS Chemical Biology</i> , 2018 , 13, 207-214	4.9	30
69	Complex polar machinery required for proper chromosome segregation in vegetative and sporulating cells of <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2016 , 101, 333-50	4.1	29
68	A new bacteriophage vector for cloning in <i>Bacillus subtilis</i> and the use of phi 105 for protein synthesis in maxicells. <i>Gene</i> , 1989 , 81, 35-43	3.8	29

67	Transformation of environmental <i>Bacillus subtilis</i> isolates by transiently inducing genetic competence. <i>PLoS ONE</i> , 2010 , 5, e9724	3.7	28
66	Timing and genetic regulation of commitment to sporulation in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 1996 , 142 (Pt 12), 3445-52	2.9	27
65	Transcriptional regulation and structure of the <i>Bacillus subtilis</i> sporulation locus <i>spoIIIC</i> . <i>Journal of Bacteriology</i> , 1988 , 170, 1162-7	3.5	27
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