

# Tyler C Helmann

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226 papers	17,834 citations	76 h-index	128 g-index
274 ext. papers	20,076 ext. citations	7 avg, IF	7.19 L-index

#	Paper	IF	Citations
226	A Central Role for Magnesium Homeostasis during Adaptation to Osmotic Stress.. <i>MBio</i> , <b>2022</b> , e0009222	7.8	3
225	Genome-Wide Identification of Tomato Xylem Sap Fitness Factors for Three Plant-Pathogenic Species. <i>MSystems</i> , <b>2021</b> , e0122921	7.6	3
224	Complete Genome Sequence Resources for the Onion Pathogen, OC5a. <i>Phytopathology</i> , <b>2021</b> , PHYTO09380416A	7.5	3
223	Resource sharing between central metabolism and cell envelope synthesis. <i>Current Opinion in Microbiology</i> , <b>2021</b> , 60, 34-43	7.9	5
222	Mini Review: Bacterial Membrane Composition and Its Modulation in Response to Stress. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 634438	5.6	13
221	The Bacillus subtilis monothiol bacilliredoxin BrxC (YtxJ) and the Bdr (YpdA) disulfide reductase reduce S-bacillithiolated proteins. <i>Redox Biology</i> , <b>2021</b> , 42, 101935	11.3	3
220	Manganese impairs the QoxABCD terminal oxidase leading to respiration-associated toxicity. <i>Molecular Microbiology</i> , <b>2021</b> , 116, 729-742	4.1	3
219	Complete Genome Sequence Resource for the Necrotrophic Plant-Pathogenic Bacterium WPP14. <i>Plant Disease</i> , <b>2021</b> , 105, 196-198	1.5	1
218	Complete Genome Sequence Resource for the Necrotrophic Plant-Pathogenic Bacterium 67-19 Isolated From New Guinea Impatiens. <i>Plant Disease</i> , <b>2021</b> , 105, 1174-1176	1.5	3
217	A Simplified Method for CRISPR-Cas9 Engineering of Bacillus subtilis. <i>Microbiology Spectrum</i> , <b>2021</b> , 9, e0075421	8.9	0
216	Transcription   Sigma Factors <b>2021</b> , 379-382		
215	Bacillus subtilis Fur Is a Transcriptional Activator for the PerR-Repressed Gene, Encoding an Iron Efflux Pump. <i>Journal of Bacteriology</i> , <b>2020</b> , 202,	3.5	9
214	Group A Streptococcus AdcR Regulon Participates in Bacterial Defense against Host-Mediated Zinc Sequestration and Contributes to Virulence. <i>Infection and Immunity</i> , <b>2020</b> , 88,	3.7	7
213	Biphasic unbinding of a metalloregulator from DNA for transcription (de)repression in Live Bacteria. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 2199-2208	20.1	2
212	A regulatory pathway that selectively up-regulates elongasome function in the absence of class A PBPs. <i>ELife</i> , <b>2020</b> , 9,	8.9	11
211	TerC Family Proteins Help Prevent Manganese Intoxication. <i>Journal of Bacteriology</i> , <b>2020</b> , 202,	3.5	9
210	Distinctiveness of genes contributing to growth of Pseudomonas syringae in diverse host plant species. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239998	3.7	3

209	Complete Genome Sequence of a Gram-Positive Bacterium, sp. Strain PS1209, a Potato Endophyte. <i>Microbiology Resource Announcements</i> , <b>2020</b> , 9,	1.3	2
208	Dysregulation of Magnesium Transport Protects <i>Bacillus subtilis</i> against Manganese and Cobalt Intoxication. <i>Journal of Bacteriology</i> , <b>2020</b> , 202,	3.5	8
207	Genome-wide identification of genes required for fitness during colonization of the leaf surface and apoplast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 18900-18910	11.5	37
206	<i>Bacillus subtilis</i> FolE is sustained by the ZagA zinc metallochaperone and the alarmone ZTP under conditions of zinc deficiency. <i>Molecular Microbiology</i> , <b>2019</b> , 112, 751-765	4.1	29
205	Metal sensing and regulation of adaptive responses to manganese limitation by MtsR is critical for group A streptococcus virulence. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 7476-7493	20.1	12
204	Where to begin? Sigma factors and the selectivity of transcription initiation in bacteria. <i>Molecular Microbiology</i> , <b>2019</b> , 112, 335-347	4.1	26
203	Identification of Novel Spx Regulatory Pathways in <i>Bacillus subtilis</i> Uncovers a Close Relationship between the CtsR and Spx Regulons. <i>Journal of Bacteriology</i> , <b>2019</b> , 201,	3.5	11
202	A bacterial checkpoint protein for ribosome assembly moonlights as an essential metabolite-proofreading enzyme. <i>Nature Communications</i> , <b>2019</b> , 10, 1526	17.4	17
201	Roles and regulation of Spx family transcription factors in <i>Bacillus subtilis</i> and related species. <i>Advances in Microbial Physiology</i> , <b>2019</b> , 75, 279-323	4.4	9
200	Mutations of the <i>Bacillus subtilis</i> YidC1 (SpoIIJ) insertase alleviate stress associated with M-dependent membrane protein overproduction. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008263	6	5
199	<i>Bacillus subtilis</i> PgcA moonlights as a phosphoglucosamine mutase in support of peptidoglycan synthesis. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008434	6	3
198	Deciphering the essentiality and function of the anti-IFactors in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>2019</b> , 112, 482-497	4.1	5
197	Genome-Wide Transposon Screen of a Mutant Reveals the Substrates of Efflux Transporters. <i>MBio</i> , <b>2019</b> , 10,	7.8	6
196	Induction of the Spx regulon by cell wall stress reveals novel regulatory mechanisms in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>2018</b> , 107, 659-674	4.1	20
195	Antagonism of Two Plant-Growth Promoting <i>Bacillus velezensis</i> Isolates Against <i>Ralstonia solanacearum</i> and <i>Fusarium oxysporum</i> . <i>Scientific Reports</i> , <b>2018</b> , 8, 4360	4.9	110
194	The Role of Bacillithiol in Gram-Positive Firmicutes. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 28, 445-462	8.4	59
193	Redox Sensing by Fe in Bacterial Fur Family Metalloregulators. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 29, 1858-1871	8.4	29
192	Aspartate deficiency limits peptidoglycan synthesis and sensitizes cells to antibiotics targeting cell wall synthesis in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>2018</b> , 109, 826-844	4.1	13

191	Stabilization of <i>Bacillus subtilis</i> Spx under cell wall stress requires the anti-adaptor protein YirB. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007531	6	11
190	A metabolic checkpoint protein GlmR is important for diverting carbon into peptidoglycan biosynthesis in <i>Bacillus subtilis</i> . <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007689	6	15
189	Genome-Wide Characterization of the Fur Regulatory Network Reveals a Link between Catechol Degradation and Bacillibactin Metabolism in <i>Bacillus subtilis</i> . <i>MBio</i> , <b>2018</b> , 9,	7.8	10
188	Modulation of extracytoplasmic function (ECF) sigma factor promoter selectivity by spacer region sequence. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 134-145	20.1	17
187	Metal homeostasis and resistance in bacteria. <i>Nature Reviews Microbiology</i> , <b>2017</b> , 15, 338-350	22.2	289
186	Iron Efflux by PmtA Is Critical for Oxidative Stress Resistance and Contributes Significantly to Group A <i>Streptococcus</i> Virulence. <i>Infection and Immunity</i> , <b>2017</b> , 85,	3.7	28
185	Don't let sleeping dogmas lie: new views of peptidoglycan synthesis and its regulation. <i>Molecular Microbiology</i> , <b>2017</b> , 106, 847-860	4.1	61
184	A Critical Role of Zinc Importer AdcABC in Group A <i>Streptococcus</i> -Host Interactions During Infection and Its Implications for Vaccine Development. <i>EBioMedicine</i> , <b>2017</b> , 21, 131-141	8.8	24
183	Sequential induction of Fur-regulated genes in response to iron limitation in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 12785-12790	11.5	51
182	Ferrous iron efflux systems in bacteria. <i>Metallomics</i> , <b>2017</b> , 9, 840-851	4.5	49
181	<i>Bacillus subtilis</i> MntR coordinates the transcriptional regulation of manganese uptake and efflux systems. <i>Molecular Microbiology</i> , <b>2017</b> , 103, 253-268	4.1	44
180	Lack of formylated methionyl-tRNA has pleiotropic effects on <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , <b>2017</b> , 163, 185-196	2.9	11
179	Depletion of Undecaprenyl Pyrophosphate Phosphatases Disrupts Cell Envelope Biogenesis in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2016</b> , 198, 2925-2935	3.5	40
178	<i>Bacillus subtilis</i> extracytoplasmic function (ECF) sigma factors and defense of the cell envelope. <i>Current Opinion in Microbiology</i> , <b>2016</b> , 30, 122-132	7.9	78
177	Intracellular Zn(II) Intoxication Leads to Dysregulation of the PerR Regulon Resulting in Heme Toxicity in <i>Bacillus subtilis</i> . <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006515	6	28
176	The <i>Listeria monocytogenes</i> Fur-regulated virulence protein FrvA is an Fe(II) efflux P1B4 -type ATPase. <i>Molecular Microbiology</i> , <b>2016</b> , 100, 1066-79	4.1	34
175	Molecular logic of the Zur-regulated zinc deprivation response in <i>Bacillus subtilis</i> . <i>Nature Communications</i> , <b>2016</b> , 7, 12612	17.4	50
174	Concentration- and chromosome-organization-dependent regulator unbinding from DNA for transcription regulation in living cells. <i>Nature Communications</i> , <b>2015</b> , 6, 7445	17.4	61

173	Staphylococcus aureus PerR Is a Hypersensitive Hydrogen Peroxide Sensor using Iron-mediated Histidine Oxidation. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 20374-86	5.4	37
172	Mn(2+)-sensing mechanisms of yybP-ykoY orphan riboswitches. <i>Molecular Cell</i> , <b>2015</b> , 57, 1110-1123	17.6	71
171	Metalloregulator CueR biases RNA polymerase kinetic sampling of dead-end or open complex to repress or activate transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 13467-72	11.5	21
170	Lipid-linked cell wall precursors regulate membrane association of bacterial actin MreB. <i>Nature Chemical Biology</i> , <b>2015</b> , 11, 38-45	11.7	58
169	PfeT, a P1B4 -type ATPase, effluxes ferrous iron and protects Bacillus subtilis against iron intoxication. <i>Molecular Microbiology</i> , <b>2015</b> , 98, 787-803	4.1	57
168	MntR(Rv2788): a transcriptional regulator that controls manganese homeostasis in Mycobacterium tuberculosis. <i>Molecular Microbiology</i> , <b>2015</b> , 98, 1168-83	4.1	24
167	Pseudomonas syringae pv. tomato DC3000 Type III Secretion Effector Polymutants Reveal an Interplay between HopAD1 and AvrPtoB. <i>Cell Host and Microbe</i> , <b>2015</b> , 17, 752-62	23.4	66
166	Chemical proteomics reveals a second family of cyclic-di-AMP hydrolases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 1921-2	11.5	1
165	Methylglyoxal resistance in Bacillus subtilis: contributions of bacillithiol-dependent and independent pathways. <i>Molecular Microbiology</i> , <b>2014</b> , 91, 706-15	4.1	51
164	Redox regulation in Bacillus subtilis: The bacilliredoxins BrxA(YphP) and BrxB(YqiW) function in de-bacillithiolation of S-bacillithiolated OhrR and MetE. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 357-67	8.4	46
163	Bacillithiol is a major buffer of the labile zinc pool in Bacillus subtilis. <i>Molecular Microbiology</i> , <b>2014</b> , 94, 756-70	4.1	70
162	Specificity of metal sensing: iron and manganese homeostasis in Bacillus subtilis. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 28112-20	5.4	94
161	Accumulation of heptaprenyl diphosphate sensitizes Bacillus subtilis to bacitracin: implications for the mechanism of resistance mediated by the BceAB transporter. <i>Molecular Microbiology</i> , <b>2014</b> , 93, 37-49	4.1	34
160	Regulation by Alternative Sigma Factors <b>2014</b> , 31-43		6
159	RNA Polymerase and Sigma Factors <b>2014</b> , 287-312		72
158	Cu(I)-mediated allosteric switching in a copper-sensing operon repressor (CsoR). <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 19204-17	5.4	43
157	Peptidoglycan recognition proteins kill bacteria by inducing oxidative, thiol, and metal stress. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004280	7.6	67
156	Mutations in the primary sigma factor $\sigma^A$ and termination factor rho that reduce susceptibility to cell wall antibiotics. <i>Journal of Bacteriology</i> , <b>2014</b> , 196, 3700-11	3.5	13

155	Roles of the A and C sites in the manganese-specific activation of MntR. <i>Biochemistry</i> , <b>2013</b> , 52, 701-13	3.2	27
154	RaoN, a small RNA encoded within Salmonella pathogenicity island-11, confers resistance to macrophage-induced stress. <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 1366-1378	2.9	15
153	How antibiotics kill bacteria: new models needed?. <i>Nature Medicine</i> , <b>2013</b> , 19, 544-5	50.5	12
152	Prokaryotic Redox Switches <b>2013</b> , 233-276		2
151	Contributions of the $\sigma^W$ , $\sigma^M$ and $\sigma^X$ regulons to the lantibiotic resistome of <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>2013</b> , 90, 502-18	4.1	46
150	Regulation of <i>Bacillus subtilis</i> bacillithiol biosynthesis operons by Spx. <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 2025-2035	2.9	36
149	Crystal structure of peroxide stress regulator from <i>Streptococcus pyogenes</i> provides functional insights into the mechanism of oxidative stress sensing. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 18311-24	5.4	43
148	Fluoro-phenyl-styrene-sulfonamide, a novel inhibitor of B activity, prevents the activation of B by environmental and energy stresses in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 2509-17	3.5	9
147	A mutation of the RNA polymerase $\beta$ subunit (rpoC) confers cephalosporin resistance in <i>Bacillus subtilis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 56-65	5.9	22
146	Reducing the Level of Undecaprenyl Pyrophosphate Synthase Has Complex Effects on Susceptibility to Cell Wall Antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 4267-4275	5.9	18
145	Elemental economy: microbial strategies for optimizing growth in the face of nutrient limitation. <i>Advances in Microbial Physiology</i> , <b>2012</b> , 60, 91-210	4.4	111
144	Origins of specificity and cross-talk in metal ion sensing by <i>Bacillus subtilis</i> Fur. <i>Molecular Microbiology</i> , <b>2012</b> , 86, 1144-55	4.1	42
143	Derepression of the <i>Bacillus subtilis</i> PerR peroxide stress response leads to iron deficiency. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 1226-35	3.5	47
142	Analysis of the role of <i>Bacillus subtilis</i> $\sigma^M$ in $\beta$ -lactam resistance reveals an essential role for c-di-AMP in peptidoglycan homeostasis. <i>Molecular Microbiology</i> , <b>2012</b> , 83, 623-39	4.1	168
141	A D-dependent antisense transcript modulates expression of the cyclic-di-AMP hydrolase GdpP in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , <b>2012</b> , 158, 2732-2741	2.9	26
140	The FsrA sRNA and FbpB protein mediate the iron-dependent induction of the <i>Bacillus subtilis</i> lutABC iron-sulfur-containing oxidases. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 2586-93	3.5	45
139	Direct substitution and assisted dissociation pathways for turning off transcription by a MerR-family metalloregulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15121-6	11.5	55
138	Glutamate dehydrogenase affects resistance to cell wall antibiotics in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 993-1001	3.5	31

137	A global investigation of the <i>Bacillus subtilis</i> iron-sparing response identifies major changes in metabolism. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 2594-605	3.5	57
136	Transcription activation by the siderophore sensor Btr is mediated by ligand-dependent stimulation of promoter clearance. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 3585-95	20.1	11
135	Thiol-based redox switches and gene regulation. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 14, 1049-63	8.4	269
134	A $\text{Mn}^{2+}$ -dependent stress response in <i>Bacillus subtilis</i> that reduces membrane fluidity. <i>Molecular Microbiology</i> , <b>2011</b> , 81, 69-79	4.1	52
133	<i>Bacillus subtilis</i> $\sigma^{\text{M}}$ confers lysozyme resistance by activation of two cell wall modification pathways, peptidoglycan O-acetylation and D-alanylation of teichoic acids. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 6223-32	3.5	76
132	Peroxide stress elicits adaptive changes in bacterial metal ion homeostasis. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 15, 175-89	8.4	103
131	Bacillithiol, a new player in bacterial redox homeostasis. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 15, 123-34	8.4	84
130	Sequential binding and sensing of $\text{Zn(II)}$ by <i>Bacillus subtilis</i> Zur. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 9130-8	20.1	79
129	The <i>Bacillus subtilis</i> GntR family repressor YtrA responds to cell wall antibiotics. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 5793-801	3.5	24
128	Identification of altered function alleles that affect <i>Bacillus subtilis</i> PerR metal ion selectivity. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 5036-44	20.1	28
127	DNA-binding properties of the <i>Bacillus subtilis</i> and <i>Aeribacillus pallidus</i> AC6 $\sigma^{\text{D}}$ proteins. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 575-9	3.5	7
126	Reduction in membrane phosphatidylglycerol content leads to daptomycin resistance in <i>Bacillus subtilis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 4326-37	5.9	92
125	<i>Bacillus subtilis</i> Fur represses one of two paralogous haem-degrading monooxygenases. <i>Microbiology (United Kingdom)</i> , <b>2011</b> , 157, 3221-3231	2.9	16
124	Characterization of the Fur regulon in <i>Pseudomonas syringae</i> pv. tomato DC3000. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 4598-611	3.5	42
123	Biosynthesis and functions of bacillithiol, a major low-molecular-weight thiol in Bacilli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 6482-6	11.5	179
122	Transcriptomic and phenotypic characterization of a <i>Bacillus subtilis</i> strain without extracytoplasmic function $\sigma$ -factors. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 5736-45	3.5	42
121	Extracytoplasmic function sigma factors with overlapping promoter specificity regulate sublancin production in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 4951-8	3.5	35
120	A two-subunit bacterial sigma-factor activates transcription in <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 21323-8	11.5	12



119	The YvrI alternative sigma factor is essential for acid stress induction of oxalate decarboxylase in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 931-9	3.5	20
118	Extracytoplasmic function sigma factors regulate expression of the <i>Bacillus subtilis</i> yabE gene via a cis-acting antisense RNA. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 1101-5	3.5	37
117	Contributions of Zur-controlled ribosomal proteins to growth under zinc starvation conditions. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 6116-22	3.5	97
116	Zinc-independent folate biosynthesis: genetic, biochemical, and structural investigations reveal new metal dependence for GTP cyclohydrolase IB. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 6936-49	3.5	54
115	Oxidation of a single active site suffices for the functional inactivation of the dimeric <i>Bacillus subtilis</i> OhrR repressor in vitro. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 1174-81	20.1	19
114	Genetic analysis of factors affecting susceptibility of <i>Bacillus subtilis</i> to daptomycin. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 1598-609	5.9	122
113	Genome-wide responses to carbonyl electrophiles in <i>Bacillus subtilis</i> : control of the thiol-dependent formaldehyde dehydrogenase AdhA and cysteine proteinase YraA by the MerR-family regulator YraB (AdhR). <i>Molecular Microbiology</i> , <b>2009</b> , 71, 876-94	4.1	77
112	Direct stimulus perception and transcription activation by a membrane-bound DNA binding protein. <i>Molecular Microbiology</i> , <b>2009</b> , 73, 482-91	4.1	19
111	Bacillithiol is an antioxidant thiol produced in Bacilli. <i>Nature Chemical Biology</i> , <b>2009</b> , 5, 625-7	11.7	208
110	ROMA: an in vitro approach to defining target genes for transcription regulators. <i>Methods</i> , <b>2009</b> , 47, 73-7	4.6	4
109	RNA polymerase: a nexus of gene regulation. <i>Methods</i> , <b>2009</b> , 47, 1-5	4.6	17
108	The <i>Bacillus subtilis</i> sigma(M) regulon and its contribution to cell envelope stress responses. <i>Molecular Microbiology</i> , <b>2008</b> , 67, 830-48	4.1	140
107	Oxidant-dependent switching between reversible and sacrificial oxidation pathways for <i>Bacillus subtilis</i> OhrR. <i>Molecular Microbiology</i> , <b>2008</b> , 68, 978-86	4.1	47
106	A previously unidentified sigma factor and two accessory proteins regulate oxalate decarboxylase expression in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>2008</b> , 69, 954-67	4.1	30
105	Environmental Sensing and the Role of Extracytoplasmic Function Sigma Factors <b>2008</b> , 233-261		14
104	Conversion of <i>Bacillus subtilis</i> OhrR from a 1-Cys to a 2-Cys peroxide sensor. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 5738-45	3.5	29
103	In vitro mutagenesis of <i>Bacillus subtilis</i> by using a modified Tn7 transposon with an outward-facing inducible promoter. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 3419-25	4.8	9
102	The <i>Bacillus subtilis</i> iron-sparing response is mediated by a Fur-regulated small RNA and three small, basic proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 11927-32	11.5	178



101	Regulation of the <i>Bacillus subtilis</i> yciC gene and insights into the DNA-binding specificity of the zinc-sensing metalloregulator Zur. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 3482-8	3.5	38
100	Phenotypic and transcriptomic characterization of <i>Bacillus subtilis</i> mutants with grossly altered membrane composition. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 7797-807	3.5	73
99	Substrate induction of siderophore transport in <i>Bacillus subtilis</i> mediated by a novel one-component regulator. <i>Molecular Microbiology</i> , <b>2007</b> , 66, 164-73	4.1	22
98	Functional specialization within the Fur family of metalloregulators. <i>BioMetals</i> , <b>2007</b> , 20, 485-99	3.4	340
97	Metalloregulators: Arbiters of Metal Sufficiency <b>2007</b> , 37-71		17
96	A complex thiolate switch regulates the <i>Bacillus subtilis</i> organic peroxide sensor OhrR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 8743-8	11.5	208
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