

# Mark J Buttner

## 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.

121  
papers

8,841  
citations

58  
h-index

92  
g-index

124  
ext. papers

10,082  
ext. citations

8.2  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
121	<i>Streptomyces venezuelae</i> NRRL B-65442: genome sequence of a model strain used to study morphological differentiation in filamentous actinobacteria. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2021</b> ,	4.2	4
120	Expansion and re-classification of the extracytoplasmic function (ECF) $\sigma$ factor family. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 986-1005	20.1	12
119	Evolution of a $\sigma$ (c-di-GMP)-anti- $\sigma$ switch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
118	Developmentally regulated volatiles geosmin and 2-methylisoborneol attract a soil arthropod to <i>Streptomyces</i> bacteria promoting spore dispersal. <i>Nature Microbiology</i> , <b>2020</b> , 5, 821-829	26.6	46
117	When is a transcription factor a NAP?. <i>Current Opinion in Microbiology</i> , <b>2020</b> , 55, 26-33	7.9	21
116	Interaction of the Wbl protein WhiD with the principal sigma factor $\sigma$ depends on the WhiD [4Fe-4S] cluster. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 9752-9765	5.4	3
115	c-di-GMP Arms an Anti- $\sigma$ to Control Progression of Multicellular Differentiation in <i>Streptomyces</i> . <i>Molecular Cell</i> , <b>2020</b> , 77, 586-599.e6	17.6	36
114	Discovery of the extracytoplasmic function $\sigma$ factors. <i>Molecular Microbiology</i> , <b>2019</b> , 112, 348-355	4.1	11
113	Defining the regulon of genes controlled by $\sigma$ a key regulator of the cell envelope stress response in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>2019</b> , 112, 461-481	4.1	12
112	BldC Delays Entry into Development To Produce a Sustained Period of Vegetative Growth in <i>Streptomyces venezuelae</i> . <i>MBio</i> , <b>2019</b> , 10,	7.8	15
111	Structural insights into simocyclinone as an antibiotic, effector ligand and substrate. <i>FEMS Microbiology Reviews</i> , <b>2018</b> , 42,	15.1	3
110	The MerR-like protein BldC binds DNA direct repeats as cooperative multimers to regulate <i>Streptomyces</i> development. <i>Nature Communications</i> , <b>2018</b> , 9, 1139	17.4	12
109	The crystal structure of the RsbN-BldN complex from <i>Streptomyces venezuelae</i> defines a new structural class of anti- $\sigma$ factor. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 7405-7417	20.1	6
108	Multi-layered inhibition of <i>Streptomyces</i> development: BldO is a dedicated repressor of whiB. <i>Molecular Microbiology</i> , <b>2017</b> , 104, 700-711	4.1	14
107	The <i>Streptomyces</i> master regulator BldD binds c-di-GMP sequentially to create a functional BldD2-(c-di-GMP) <sub>4</sub> complex. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 6923-6933	20.1	22
106	Translational Control of the SigR-Directed Oxidative Stress Response in via IF3-Mediated Repression of a Noncanonical GTC Start Codon. <i>MBio</i> , <b>2017</b> , 8,	7.8	14
105	Actinoplanes Swims into the Molecular Age. <i>Journal of Bacteriology</i> , <b>2017</b> , 199,	3.5	3

104	Two dynamin-like proteins stabilize FtsZ rings during sporulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E6176-E6183	11.5	36
103	Fluorescence Time-lapse Imaging of the Complete <i>S. venezuelae</i> Life Cycle Using a Microfluidic Device. <i>Journal of Visualized Experiments</i> , <b>2016</b> , 53863	1.6	25
102	Genome-Wide Chromatin Immunoprecipitation Sequencing Analysis Shows that WhiB Is a Transcription Factor That Cocontrols Its Regulon with WhiA To Initiate Developmental Cell Division in <i>Streptomyces</i> . <i>MBio</i> , <b>2016</b> , 7, e00523-16	7.8	64
101	Substrate-Assisted Catalysis in Polyketide Reduction Proceeds via a Phenolate Intermediate. <i>Cell Chemical Biology</i> , <b>2016</b> , 23, 1091-1097	8.2	6
100	SimC7 Is a Novel NAD(P)H-Dependent Ketoreductase Essential for the Antibiotic Activity of the DNA Gyrase Inhibitor Simocyclinone. <i>Journal of Molecular Biology</i> , <b>2015</b> , 427, 2192-204	6.5	6
99	c-di-GMP signalling and the regulation of developmental transitions in streptomycetes. <i>Nature Reviews Microbiology</i> , <b>2015</b> , 13, 749-60	22.2	92
98	Discovery of a family of $\beta$ -aminobutyrate ureas via rational derepression of a silent bacterial gene cluster. <i>Chemical Science</i> , <b>2014</b> , 5, 86-89	9.4	34
97	Tetrameric c-di-GMP mediates effective transcription factor dimerization to control <i>Streptomyces</i> development. <i>Cell</i> , <b>2014</b> , 158, 1136-1147	56.2	157
96	Multicellular Development in <i>Streptomyces</i> <b>2014</b> , 419-438		24
95	Response regulator heterodimer formation controls a key stage in <i>Streptomyces</i> development. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004554	6	58
94	A sporulation-specific, sigF-dependent protein, SspA, affects septum positioning in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>2014</b> , 91, 363-80	4.1	7
93	Evolutionary relationships among actinophages and a putative adaptation for growth in <i>Streptomyces</i> spp. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 4924-35	3.5	26
92	Determination of phosphorylation sites in the DivIVA cytoskeletal protein of <i>Streptomyces coelicolor</i> by targeted LC-MS/MS. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 4187-92	5.6	9
91	Genes required for aerial growth, cell division, and chromosome segregation are targets of WhiA before sporulation in <i>Streptomyces venezuelae</i> . <i>MBio</i> , <b>2013</b> , 4, e00684-13	7.8	79
90	Phage p1-derived artificial chromosomes facilitate heterologous expression of the FK506 gene cluster. <i>PLoS ONE</i> , <b>2013</b> , 8, e69319	3.7	64
89	Expression of the chaplin and rodlin hydrophobic sheath proteins in <i>Streptomyces venezuelae</i> is controlled by $\beta$ (BldN) and a cognate anti-sigma factor, RsbN. <i>Molecular Microbiology</i> , <b>2012</b> , 84, 1033-49	4.1	77
88	Regulation of apical growth and hyphal branching in <i>Streptomyces</i> . <i>Current Opinion in Microbiology</i> , <b>2012</b> , 15, 737-43	7.9	68
87	Mechanistic basis of branch-site selection in filamentous bacteria. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002423	5	37

86	The Ser/Thr protein kinase AfsK regulates polar growth and hyphal branching in the filamentous bacteria <i>Streptomyces</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E2371-9	11.5	83
85	Structures of the TetR-like simocyclinone efflux pump repressor, SimR, and the mechanism of ligand-mediated derepression. <i>Journal of Molecular Biology</i> , <b>2011</b> , 408, 40-56	6.5	28
84	Crystallization and preliminary X-ray analysis of the TetR-like efflux pump regulator SimR. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2011</b> , 67, 307-9		2
83	Mechanistic insight into the nitrosylation of the [4Fe-4S] cluster of WhiB-like proteins. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 1112-21	16.4	109
82	Identification and characterization of CdgB, a diguanylate cyclase involved in developmental processes in <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 3100-8	3.5	39
81	The crystal structure of the TetR family transcriptional repressor SimR bound to DNA and the role of a flexible N-terminal extension in minor groove binding. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 9433-47	20.1	49
80	Genes essential for morphological development and antibiotic production in <i>Streptomyces coelicolor</i> are targets of BldD during vegetative growth. <i>Molecular Microbiology</i> , <b>2010</b> , 78, 361-79	4.1	132
79	A vancomycin photoprobe identifies the histidine kinase VanSsc as a vancomycin receptor. <i>Nature Chemical Biology</i> , <b>2010</b> , 6, 327-9	11.7	105
78	A crystal structure of the bifunctional antibiotic simocyclinone D8, bound to DNA gyrase. <i>Science</i> , <b>2009</b> , 326, 1415-8	33.3	74
77	Coupling of the biosynthesis and export of the DNA gyrase inhibitor simocyclinone in <i>Streptomyces antibioticus</i> . <i>Molecular Microbiology</i> , <b>2009</b> , 72, 1462-74	4.1	40
76	<i>Streptomyces</i> morphogenetics: dissecting differentiation in a filamentous bacterium. <i>Nature Reviews Microbiology</i> , <b>2009</b> , 7, 36-49	22.2	451
75	Characterization of [4Fe-4S]-containing and cluster-free forms of <i>Streptomyces</i> WhiD. <i>Biochemistry</i> , <b>2009</b> , 48, 12252-64	3.2	58
74	A signal transduction system in <i>Streptomyces coelicolor</i> that activates expression of a putative cell wall glycan operon in response to vancomycin and other cell wall-specific antibiotics. <i>Molecular Microbiology</i> , <b>2008</b> , 69, 1069-1069	4.1	1
73	Redox control in actinobacteria. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2008</b> , 1780, 1201-16	4	92
72	Function and redundancy of the chaplin cell surface proteins in aerial hypha formation, rodlet assembly, and viability in <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 5879-89	3.5	50
71	The IE Cell Envelope Stress Response of <i>Streptomyces coelicolor</i> Is Influenced by a Novel Lipoprotein, CseA. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 6037-6037	3.5	78
70	The gene encoding RNase III in <i>Streptomyces coelicolor</i> is transcribed during exponential phase and is required for antibiotic production and for proper sporulation. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 4079-83	3.5	25
69	The oligoribonuclease gene in <i>Streptomyces coelicolor</i> is not transcriptionally or translationally coupled to <i>adpA</i> , a key <i>bldA</i> target. <i>FEMS Microbiology Letters</i> , <b>2008</b> , 286, 60-5	2.9	7

68	Vancomycin resistance VanS/VanR two-component systems. <i>Advances in Experimental Medicine and Biology</i> , <b>2008</b> , 631, 200-13	3.6	75
67	SapB and the chaplins: connections between morphogenetic proteins in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>2007</b> , 64, 602-13	4.1	65
66	SmeA, a small membrane protein with multiple functions in <i>Streptomyces</i> sporulation including targeting of a SpoIIIE/FtsK-like protein to cell division septa. <i>Molecular Microbiology</i> , <b>2007</b> , 65, 1458-73	4.1	42
65	DevA, a GntR-like transcriptional regulator required for development in <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 5014-23	3.5	45
64	The sigma(E) cell envelope stress response of <i>Streptomyces coelicolor</i> is influenced by a novel lipoprotein, CseA. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 7222-9	3.5	41
63	Characterisation of <i>Streptomyces spheroides</i> NovW and revision of its functional assignment to a dTDP-6-deoxy-D-xylo-4-hexulose 3-epimerase. <i>Chemical Communications</i> , <b>2006</b> , 1079-81	5.8	21
62	Assignment of the zinc ligands in RsrA, a redox-sensing ZAS protein from <i>Streptomyces coelicolor</i> . <i>Biochemistry</i> , <b>2006</b> , 45, 8294-300	3.2	62
61	The 1.6-A resolution crystal structure of NovW: a 4-keto-6-deoxy sugar epimerase from the novobiocin biosynthetic gene cluster of <i>Streptomyces spheroides</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2006</b> , 63, 261-5	4.2	17
60	The vancomycin resistance VanRS two-component signal transduction system of <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>2006</b> , 59, 923-35	4.1	107
59	The role of the novel Fem protein VanK in vancomycin resistance in <i>Streptomyces coelicolor</i> . <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 13055-61	5.4	116
58	Cross-regulation among disparate antibiotic biosynthetic pathways of <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>2005</b> , 58, 1276-87	4.1	144
57	The bldC developmental locus of <i>Streptomyces coelicolor</i> encodes a member of a family of small DNA-binding proteins related to the DNA-binding domains of the MerR family. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 716-28	3.5	26
56	Evidence that the <i>Streptomyces</i> developmental protein WhiD, a member of the WhiB family, binds a [4Fe-4S] cluster. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 8309-15	5.4	91
55	Sensing and responding to diverse extracellular signals? Analysis of the sensor kinases and response regulators of <i>Streptomyces coelicolor</i> A3(2). <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 2795-2806	2.0	125
54	Characterization of an inducible vancomycin resistance system in <i>Streptomyces coelicolor</i> reveals a novel gene (vanK) required for drug resistance. <i>Molecular Microbiology</i> , <b>2004</b> , 52, 1107-21	4.1	107
53	The SapB morphogen is a lantibiotic-like peptide derived from the product of the developmental gene ramS in <i>Streptomyces coelicolor</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 11448-53	11.5	242
52	The <i>Streptomyces coelicolor</i> developmental transcription factor sigmaBldN is synthesized as a proprotein. <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 2338-45	3.5	22
51	A rare leucine codon in adpA is implicated in the morphological defect of bldA mutants of <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>2003</b> , 50, 475-86	4.1	106

50	Specialized osmotic stress response systems involve multiple SigB-like sigma factors in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>2003</b> , 47, 699-714	4.1	63
49	Crystallization and preliminary X-ray studies on the putative dTDP sugar epimerase NovW from the novobiocin biosynthetic cluster of <i>Streptomyces spheroides</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2003</b> , 59, 1507-9		3
48	The Role of zinc in the disulphide stress-regulated anti-sigma factor RsrA from <i>Streptomyces coelicolor</i> . <i>Journal of Molecular Biology</i> , <b>2003</b> , 333, 461-72	6.5	94
47	Thiol-based regulatory switches. <i>Annual Review of Genetics</i> , <b>2003</b> , 37, 91-121	14.5	256
46	The chaplins: a family of hydrophobic cell-surface proteins involved in aerial mycelium formation in <i>Streptomyces coelicolor</i> . <i>Genes and Development</i> , <b>2003</b> , 17, 1727-40	12.6	200
45	A signal transduction system in <i>Streptomyces coelicolor</i> that activates the expression of a putative cell wall glycan operon in response to vancomycin and other cell wall-specific antibiotics. <i>Molecular Microbiology</i> , <b>2002</b> , 44, 1199-1211	4.1	87
44	Identification and structure of the anti-sigma factor-binding domain of the disulphide-stress regulated sigma factor sigma(R) from <i>Streptomyces coelicolor</i> . <i>Journal of Molecular Biology</i> , <b>2002</b> , 323, 225-36	6.5	56
43	Sensing and Responding to Cell Envelope Stress in <i>Streptomyces coelicolor</i> .. <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , <b>2002</b> , 16, 41-47		
42	Mutational analysis of RsrA, a zinc-binding anti-sigma factor with a thiol-disulphide redox switch. <i>Molecular Microbiology</i> , <b>2001</b> , 39, 1036-47	4.1	109
41	BldD is a direct regulator of key developmental genes in <i>Streptomyces coelicolor</i> A3(2). <i>Molecular Microbiology</i> , <b>2001</b> , 40, 257-69	4.1	88
40	A connection between stress and development in the multicellular prokaryote <i>Streptomyces coelicolor</i> A3(2). <i>Molecular Microbiology</i> , <b>2001</b> , 40, 804-14	4.1	90
39	Defining the disulphide stress response in <i>Streptomyces coelicolor</i> A3(2): identification of the sigmaR regulon. <i>Molecular Microbiology</i> , <b>2001</b> , 42, 1007-20	4.1	159
38	Different alleles of the response regulator gene bldM arrest <i>Streptomyces coelicolor</i> development at distinct stages. <i>Molecular Microbiology</i> , <b>2000</b> , 36, 1265-78	4.1	63
37	Generation of a non-sporulating strain of <i>Streptomyces coelicolor</i> A3(2) by the manipulation of a developmentally controlled ftsZ promoter. <i>Molecular Microbiology</i> , <b>2000</b> , 38, 737-49	4.1	76
36	Identification and characterization of the mre gene region of <i>Streptomyces coelicolor</i> A3(2). <i>Molecular Genetics and Genomics</i> , <b>2000</b> , 263, 1053-60		27
35	sigma(BldN), an extracytoplasmic function RNA polymerase sigma factor required for aerial mycelium formation in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 4606-16	3.5	113
34	WhiD and WhiB, homologous proteins required for different stages of sporulation in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 1286-95	3.5	83
33	Evidence that the extracytoplasmic function sigma factor sigmaE is required for normal cell wall structure in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 204-11	3.5	325

32	A putative two-component signal transduction system regulates sigmaE, a sigma factor required for normal cell wall integrity in <i>Streptomyces coelicolor</i> A3(2). <i>Molecular Microbiology</i> , <b>1999</b> , 33, 97-107	4.1	79
31	RsrA, an anti-sigma factor regulated by redox change. <i>EMBO Journal</i> , <b>1999</b> , 18, 4292-8	13	200
30	New sporulation loci in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 5419-25	3.5	40
29	sigmaR, an RNA polymerase sigma factor that modulates expression of the thioredoxin system in response to oxidative stress in <i>Streptomyces coelicolor</i> A3(2). <i>EMBO Journal</i> , <b>1998</b> , 17, 5776-82	13	169
28	A developmentally regulated gene encoding a repressor-like protein is essential for sporulation in <i>Streptomyces coelicolor</i> A3(2). <i>Molecular Microbiology</i> , <b>1998</b> , 29, 343-57	4.1	89
27	The <i>Streptomyces coelicolor</i> sporulation-specific sigma WhiG form of RNA polymerase transcribes a gene encoding a ProX-like protein that is dispensable for sporulation. <i>Gene</i> , <b>1998</b> , 212, 137-46	3.8	28
26	Initiation of aerial mycelium formation in <i>Streptomyces</i> . <i>Current Opinion in Microbiology</i> , <b>1998</b> , 1, 656-62	7.9	92
25	Specific peptide-activated proteolytic cleavage of <i>Escherichia coli</i> elongation factor Tu. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 2891-5	11.5	39
24	Developmental regulation of transcription of whiE, a locus specifying the polyketide spore pigment in <i>Streptomyces coelicolor</i> A3 (2). <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 2515-21	3.5	112
23	Characterization of the rpoC gene of <i>Streptomyces coelicolor</i> A3(2) and its use to develop a simple and rapid method for the purification of RNA polymerase. <i>Gene</i> , <b>1997</b> , 196, 31-42	3.8	14
22	Sigma-E is required for the production of the antibiotic actinomycin in <i>Streptomyces antibioticus</i> . <i>Molecular Microbiology</i> , <b>1997</b> , 23, 169-78	4.1	39
21	The positions of the sigma-factor genes, whiG and sigF, in the hierarchy controlling the development of spore chains in the aerial hyphae of <i>Streptomyces coelicolor</i> A3(2). <i>Molecular Microbiology</i> , <b>1996</b> , 21, 593-603	4.1	97
20	A new RNA polymerase sigma factor, sigma F, is required for the late stages of morphological differentiation in <i>Streptomyces</i> spp. <i>Molecular Microbiology</i> , <b>1995</b> , 17, 37-48	4.1	102
19	Deletion of DNA lying close to the glkA locus induces ectopic sporulation in <i>Streptomyces coelicolor</i> A3(2). <i>Molecular Microbiology</i> , <b>1995</b> , 17, 221-30	4.1	31
18	Glucose repression in <i>Streptomyces coelicolor</i> A3(2): a likely regulatory role for glucose kinase. <i>Molecular Genetics and Genomics</i> , <b>1994</b> , 244, 135-43		92
17	Analysis of the <i>Streptomyces coelicolor</i> sigE gene reveals the existence of a subfamily of eubacterial RNA polymerase sigma factors involved in the regulation of extracytoplasmic functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 7573-7	11.5	441
16	Genetic analysis of the phi C31-specific phage growth limitation (Pgl) system of <i>Streptomyces coelicolor</i> A3(2). <i>Molecular Microbiology</i> , <b>1993</b> , 7, 329-36	4.1	20
15	Two promoters for the whiB sporulation gene of <i>Streptomyces coelicolor</i> A3(2) and their activities in relation to development. <i>Journal of Bacteriology</i> , <b>1992</b> , 174, 6215-20	3.5	33

14	Construction and characterization of <i>Streptomyces coelicolor</i> A3(2) mutants that are multiply deficient in the nonessential hrd-encoded RNA polymerase sigma factors. <i>Journal of Bacteriology</i> , <b>1992</b> , 174, 5165-7	3.5	44
13	Isolation and characterization of the major vegetative RNA polymerase of <i>Streptomyces coelicolor</i> A3(2); renaturation of a sigma subunit using GroEL. <i>Molecular Microbiology</i> , <b>1992</b> , 6, 1133-9	4.1	78
12	Characterization of a gene conferring bialaphos resistance in <i>Streptomyces coelicolor</i> A3(2). <i>Gene</i> , <b>1991</b> , 104, 39-45	3.8	18
11	Cloning, disruption, and transcriptional analysis of three RNA polymerase sigma factor genes of <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Bacteriology</i> , <b>1990</b> , 172, 3367-78	3.5	138
10	Transcription from the P1 promoters of <i>Micromonospora echinospora</i> in the absence of native upstream DNA sequences. <i>Journal of Bacteriology</i> , <b>1989</b> , 171, 6503-10	3.5	14
9	RNA polymerase heterogeneity in <i>Streptomyces coelicolor</i> A3(2). <i>Molecular Microbiology</i> , <b>1989</b> , 3, 1653-9	4.1	79
8	The developmental fate of <i>S. coelicolor</i> hyphae depends upon a gene product homologous with the motility sigma factor of <i>B. subtilis</i> . <i>Cell</i> , <b>1989</b> , 59, 133-43	56.2	168
7	At least three different RNA polymerase holoenzymes direct transcription of the agarase gene ( <i>dagA</i> ) of <i>Streptomyces coelicolor</i> A3(2). <i>Cell</i> , <b>1988</b> , 52, 599-607	56.2	147
6	Two promoters from the <i>Streptomyces</i> plasmid pIJ101 and their expression in <i>Escherichia coli</i> . <i>Gene</i> , <b>1987</b> , 51, 179-86	3.8	32
5	The agarase gene ( <i>dagA</i> ) of <i>Streptomyces coelicolor</i> A3(2): nucleotide sequence and transcriptional analysis. <i>Molecular Genetics and Genomics</i> , <b>1987</b> , 209, 101-9		134
4	Construction and characterisation of a series of multi-copy promoter-probe plasmid vectors for <i>Streptomyces</i> using the aminoglycoside phosphotransferase gene from Tn5 as indicator. <i>Molecular Genetics and Genomics</i> , <b>1986</b> , 203, 468-78		347
3	RNA polymerase-DNA interactions in <i>Streptomyces</i> . In vitro studies of a <i>S. lividans</i> plasmid promoter with <i>S. coelicolor</i> RNA polymerase. <i>Journal of Molecular Biology</i> , <b>1985</b> , 185, 177-88	6.5	41
2	BldC delays entry into development to produce a sustained period of vegetative growth in <i>Streptomyces venezuelae</i>		1
1	Expansion and re-classification of the extracytoplasmic function (ECF) $\sigma$ factor family		2