Mark S Paget

List of Publications by Year
in descending order

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25 papers	3,221 citations	279798 23 h-index	580821 25 g-index
31 all docs	31 docs citations	31 times ranked	3259 citing authors

#	Article	IF	Citations
1	Evidence that the Extracytoplasmic Function Sigma Factor Ï, ^E Is Required for Normal Cell Wall Structure in Streptomyces coelicolor A3(2). Journal of Bacteriology, 1999, 181, 204-211.	2.2	395
2	Bacterial redox sensors. Nature Reviews Microbiology, 2004, 2, 954-966.	28.6	362
3	Thiol-Based Regulatory Switches. Annual Review of Genetics, 2003, 37, 91-121.	7.6	275
4	Bacterial Sigma Factors and Anti-Sigma Factors: Structure, Function and Distribution. Biomolecules, 2015, 5, 1245-1265.	4.0	274
5	RsrA, an anti-sigma factor regulated by redox change. EMBO Journal, 1999, 18, 4292-4298.	7.8	224
6	A novel sensor of NADH/NAD+ redox poise in Streptomyces coelicolor A3(2). EMBO Journal, 2003, 22, 4856-4865.	7.8	214
7	sigma R, an RNA polymerase sigma factor that modulates expression of the thioredoxin system in response to oxidative stress in Streptomyces coelicolor A3(2). EMBO Journal, 1998, 17, 5776-5782.	7.8	194
8	Defining the disulphide stress response in Streptomyces coelicolor A3(2): identification of the sigmaR regulon. Molecular Microbiology, 2001, 42, 1007-1020.	2.5	171
9	Characterization of an inducible vancomycin resistance system in Streptomyces coelicolor reveals a novel gene (vanK) required for drug resistance. Molecular Microbiology, 2004, 52, 1107-1121.	2.5	136
10	Mutational analysis of RsrA, a zinc-binding anti-sigma factor with a thiol-disulphide redox switch. Molecular Microbiology, 2001, 39, 1036-1047.	2.5	115
11	A signal transduction system in Streptomyces coelicolor that activates the expression of a putative cell wall glycan operon in response to vancomycin and other cell wall-specific antibiotics. Molecular Microbiology, 2002, 44, 1199-1211.	2.5	107
12	A putative two-component signal transduction system regulates sigmaE, a sigma factor required for normal cell wall integrity in Streptomyces coelicolor A3(2). Molecular Microbiology, 1999, 33, 97-107.	2.5	98
13	The Role of Zinc in the Disulphide Stress-regulated Anti-sigma Factor RsrA from Streptomyces coelicolor. Journal of Molecular Biology, 2003, 333, 461-472.	4.2	98
14	Zinc-Responsive Regulation of Alternative Ribosomal Protein Genes in Streptomyces coelicolor Involves Zur and Ïƒ R. Journal of Bacteriology, 2007, 189, 4078-4086.	2.2	68
15	The Zinc-Responsive Regulator Zur Controls Expression of the Coelibactin Gene Cluster inStreptomyces coelicolor. Journal of Bacteriology, 2010, 192, 608-611.	2.2	65
16	Assignment of the Zinc Ligands in RsrA, a Redox-Sensing ZAS Protein from Streptomyces coelicolor. Biochemistry, 2006, 45, 8294-8300.	2.5	62
17	Identification and Structure of the Anti-sigma Factor-binding Domain of the Disulphide-stress Regulated Sigma Factor ÏƒR from Streptomyces coelicolor. Journal of Molecular Biology, 2002, 323, 225-236.	4.2	59
18	The RNA polymerase-binding protein RbpA confers basal levels of rifampicin resistance on Streptomyces coelicolor. Molecular Microbiology, 2006, 60, 687-696.	2.5	58

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19	The Ïƒ R regulon of Streptomyces coelicolor A3(2) reveals a key role in protein quality control during disulphide stress. Microbiology (United Kingdom), 2010, 156, 1661-1672.	1.8	50
20	Structural, functional, and genetic analyses of the actinobacterial transcription factor RbpA. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7171-7176.	7.1	48
21	Sigmaâ€£ is required for the production of the antibiotic actinomycin in Streptomyces antibioticus. Molecular Microbiology, 1997, 23, 169-178.	2.5	43
22	The actinobacterial transcription factor RbpA binds to the principal sigma subunit of RNA polymerase. Nucleic Acids Research, 2013, 41, 5679-5691.	14.5	42
23	Construction and application of streptomycete promoter probe vectors which employ the Streptomyces glaucescens tyrosinase-encoding gene as reporter. Gene, 1994, 146, 105-110.	2.2	37
24	Translational Control of the SigR-Directed Oxidative Stress Response in Streptomyces via IF3-Mediated Repression of a Noncanonical GTC Start Codon. MBio, 2017, 8, .	4.1	25
25	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 wallâ€specific antibiotics. Molecular Microbiology, 2008, 69, 1069-1069.	2.5	1