

Kathleen Sandman

List of Publications by Year in descending order

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47
papers

2,910
citations

186265
28
h-index

254184
43
g-index

47
all docs

47
docs citations

47
times ranked

1676
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery and Identification of Viable Bacteria Immured in Glacial Ice. <i>Icarus</i> , 2000, 144, 479-485.	2.5	235
2	Genes encoding spore coat polypeptides from <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 1987, 196, 1-10.	4.2	201
3	HMf, a DNA-binding protein isolated from the hyperthermophilic archaeon <i>Methanothermus fervidus</i> , is most closely related to histones.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 5788-5791.	7.1	199
4	Archaeal Histones, Nucleosomes, and Transcription Initiation. <i>Cell</i> , 1997, 89, 999-1002.	28.9	164
5	Structure of histone-based chromatin in Archaea. <i>Science</i> , 2017, 357, 609-612.	12.6	149
6	NMR Structure of HMfB from the Hyperthermophile, <i>Methanothermus fervidus</i> , Confirms that this Archaeal Protein is a Histone. <i>Journal of Molecular Biology</i> , 1996, 255, 187-203.	4.2	135
7	Identification of the promoter for a spore coat protein gene in <i>Bacillus subtilis</i> and studies on the regulation of its induction at a late stage of sporulation. <i>Journal of Molecular Biology</i> , 1988, 200, 461-473.	4.2	134
8	Genetic Analysis of <i>Bacillus subtilis</i> <i>spo</i> Mutations Generated by Tn ₉₁₇ -Mediated Insertional Mutagenesis. <i>Genetics</i> , 1987, 117, 603-617.	2.9	134
9	New Ways to Study Developmental Genes in Spore-Forming Bacteria. <i>Science</i> , 1985, 228, 285-291.	12.6	118
10	DNA binding by the archaeal histone HMf results in positive supercoiling.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 10397-10401.	7.1	110
11	Archaeal histones and the origin of the histone fold. <i>Current Opinion in Microbiology</i> , 2006, 9, 520-525.	5.1	108
12	Archaeal chromatin proteins: different structures but common function?. <i>Current Opinion in Microbiology</i> , 2005, 8, 656-661.	5.1	106
13	Crystal structures of recombinant histones HMfA and HMfB from the hyperthermophilic archaeon <i>Methanothermus fervidus</i> . <i>Journal of Molecular Biology</i> , 2000, 303, 35-47.	4.2	105
14	Growth-phase-dependent synthesis of histones in the archaeon <i>Methanothermus fervidus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 12624-12628.	7.1	103
15	Thermodynamic Stability of Archaeal Histones. <i>Biochemistry</i> , 1998, 37, 10563-10572.	2.5	80
16	Structure and functional relationships of archaeal and eukaryal histones and nucleosomes. <i>Archives of Microbiology</i> , 2000, 173, 165-169.	2.2	70
17	Histones in Crenarchaea. <i>Journal of Bacteriology</i> , 2005, 187, 5482-5485.	2.2	63
18	Archaeal Histone Tetramerization Determines DNA Affinity and the Direction of DNA Supercoiling. <i>Journal of Biological Chemistry</i> , 2002, 277, 30879-30886.	3.4	58

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19	Archaeal histones: structures, stability and DNA binding. <i>Biochemical Society Transactions</i> , 2004, 32, 227-230.	3.4	53
20	DNA Stability and DNA Binding Proteins. <i>Advances in Protein Chemistry</i> , 1996, 48, 437-467.	4.4	43
21	Deletion of the archaeal histone in <i>Methanosarcina mazei</i> ΔH1 results in reduced growth and genomic transcription. <i>Molecular Microbiology</i> , 2008, 67, 662-671.	2.5	42
22	Histones and chromatin structure in hyperthermophilic Archaea. <i>FEMS Microbiology Reviews</i> , 1996, 18, 203-213.	8.6	41
23	A promoter whose utilization is temporally regulated during sporulation in <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 1984, 176, 333-348.	4.2	38
24	Archaeal histone stability, DNA binding, and transcription inhibition above 90°C. <i>Extremophiles</i> , 1998, 2, 75-81.	2.3	38
25	Mutational analysis of archaeal histone-DNA interactions. <i>Journal of Molecular Biology</i> , 2000, 297, 39-47.	4.2	35
26	Improved N-terminal Processing of Recombinant Proteins Synthesized in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 1995, 13, 504-506.	17.5	33
27	Both DNA and Histone Fold Sequences Contribute to Archaeal Nucleosome Stability. <i>Journal of Biological Chemistry</i> , 2002, 277, 9293-9301.	3.4	32
28	Histone-encoding genes from <i>Pyrococcus</i> : evidence for members of the Hmf family of archaeal histones in a non-methanogenic Archaeon. <i>Gene</i> , 1994, 150, 207-208.	2.2	31
29	NMR Structure and Comparison of the Archaeal Histone Hfob from the Mesophile <i>Methanobacterium formicicum</i> with HmfB from the Hyperthermophile <i>Methanothermus fervidus</i> . <i>Biochemistry</i> , 1998, 37, 10573-10580.	2.5	28
30	Archaeal DNA Binding Proteins and Chromosome Structure. <i>Systematic and Applied Microbiology</i> , 1993, 16, 582-590.	2.8	24
31	Molecular components of the archaeal nucleosome. <i>Biochimie</i> , 2001, 83, 277-281.	2.6	23
32	NEW GENETIC METHODS, MOLECULAR CLONING STRATEGIES AND GENE FUSION TECHNIQUES FOR <i>BACILLUS SUBTILIS</i> WHICH TAKE ADVANTAGE OF Tn917 INSERTIONAL MUTAGENESIS. , 1984, , 103-111.		22
33	MJ1647, an open reading frame in the genome of the hyperthermophile <i>Methanococcus jannaschii</i> , encodes a very thermostable archaeal histone with a C-terminal extension. <i>Extremophiles</i> , 2000, 4, 43-51.	2.3	21
34	Archaeal Nucleosome Positioning by CTG Repeats. <i>Journal of Bacteriology</i> , 1999, 181, 1035-1038.	2.2	21
35	Chromosome packaging by archaeal histones. <i>Advances in Applied Microbiology</i> , 2001, 50, 75-99.	2.4	19
36	Differential Effects of DNA Supercoiling on Radical-Mediated DNA Strand Breaks. <i>Chemical Research in Toxicology</i> , 1997, 10, 1118-1122.	3.3	18

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37	[10] Archaeal histones and nucleosomes. <i>Methods in Enzymology</i> , 2001, 334, 116-129.	1.0	17
38	Large Scale Preparation of Positively Supercoiled DNA Using the Archaeal Histone HMf. <i>Nucleic Acids Research</i> , 1997, 25, 1660-1661.	14.5	16
39	TrpY Regulation of <i>trpB2</i> Transcription in <i>Methanothermobacter thermautotrophicus</i> . <i>Journal of Bacteriology</i> , 2008, 190, 2637-2641.	2.2	11
40	Origin of the Eukaryotic Nucleus. <i>Science</i> , 1998, 280, 499d-499.	12.6	9
41	Crystallization and preliminary X-ray characterization of the <i>Methanothermobacter thermautotrophicus</i> histones HMfA and HMfB. , 1996, 24, 269-271.		6
42	Archaeal chromatin proteins histone HMtB and Alba have lost DNA-binding ability in laboratory strains of <i>Methanothermobacter thermautotrophicus</i> . <i>Extremophiles</i> , 2008, 12, 811-817.	2.3	6
43	Spontaneous <i>trpY</i> Mutants and Mutational Analysis of the <i>TrpY</i> Archaeal Transcription Regulator. <i>Journal of Bacteriology</i> , 2007, 189, 4338-4342.	2.2	5
44	<i>Pseudomonas</i> Isolation and Identification: An Introduction to the Challenges of Polyphasic Taxonomy. <i>Journal of Microbiology and Biology Education</i> , 2014, 15, 287-291.	1.0	5
45	Preliminary crystallography confirms that the archaeal DNA-binding and tryptophan-sensing regulator <i>TrpY</i> is a dimer. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1493-1495.	0.7	1
46	Chromatin and Regulation. , 0, , 147-157.		0
47	DNA-Binding Proteins and DNA Topology. , 2007, , 279-289.		0