Kathleen Sandman

List of Publications by Year
in descending order

47 papers	2,910 citations	212478 28 h-index	286692 43 g-index
47 all docs	47 docs citations	47 times ranked	1887 citing authors

#	Article	IF	Citations
1	Structure of histone-based chromatin in Archaea. Science, 2017, 357, 609-612.	6.0	149
2	Pseudomonas Isolation and Identification: An Introduction to the Challenges of Polyphasic Taxonomy. Journal of Microbiology and Biology Education, 2014, 15, 287-291.	0.5	5
3	Preliminary crystallography confirms that the archaeal DNA-binding and tryptophan-sensing regulator TrpY is a dimer. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1493-1495.	0.7	1
4	Archaeal chromatin proteins histone HMtB and Alba have lost DNA-binding ability in laboratory strains of Methanothermobacter thermautotrophicus. Extremophiles, 2008, 12, 811-817.	0.9	6
5	Deletion of the archaeal histone in <i>Methanosarcina mazei</i> GÃ¶1 results in reduced growth and genomic transcription. Molecular Microbiology, 2008, 67, 662-671.	1.2	42
6	TrpY Regulation of <i>trpB2</i> Transcription in <i>Methanothermobacter thermautotrophicus</i>. Journal of Bacteriology, 2008, 190, 2637-2641.	1.0	11
7	Spontaneous trpY Mutants and Mutational Analysis of the TrpY Archaeal Transcription Regulator. Journal of Bacteriology, 2007, 189, 4338-4342.	1.0	5
8	DNA-Binding Proteins and DNA Topology. , 2007, , 279-289.		0
9	Archaeal histones and the origin of the histone fold. Current Opinion in Microbiology, 2006, 9, 520-525.	2.3	108
10	Histones in Crenarchaea. Journal of Bacteriology, 2005, 187, 5482-5485.	1.0	63
11	Archaeal chromatin proteins: different structures but common function?. Current Opinion in Microbiology, 2005, 8, 656-661.	2.3	106
12	Archaeal histones: structures, stability and DNA binding. Biochemical Society Transactions, 2004, 32, 227-230.	1.6	53
13	Both DNA and Histone Fold Sequences Contribute to Archaeal Nucleosome Stability. Journal of Biological Chemistry, 2002, 277, 9293-9301.	1.6	32
14	Archaeal Histone Tetramerization Determines DNA Affinity and the Direction of DNA Supercoiling. Journal of Biological Chemistry, 2002, 277, 30879-30886.	1.6	58
15	Chromosome packaging by archaeal histones. Advances in Applied Microbiology, 2001, 50, 75-99.	1.3	19
16	Molecular components of the archaeal nucleosome. Biochimie, 2001, 83, 277-281.	1.3	23
17	[10] Archaeal histones and nucleosomes. Methods in Enzymology, 2001, 334, 116-129.	0.4	17
18	Recovery and Identification of Viable Bacteria Immured in Glacial Ice. Icarus, 2000, 144, 479-485.	1.1	235

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19	Structure and functional relationships of archaeal and eukaryal histones and nucleosomes. Archives of Microbiology, 2000, 173, 165-169.	1.0	70
20	MJ1647, an open reading frame in the genome of the hyperthermophile Methanococcus jannaschii , encodes a very thermostable archaeal histone with a C-terminal extension. Extremophiles, 2000, 4, 43-51.	0.9	21
21	Mutational analysis of archaeal histone-DNA interactions. Journal of Molecular Biology, 2000, 297, 39-47.	2.0	35
22	Crystal structures of recombinant histones HMfA and HMfB from the hyperthermophilic archaeon Methanothermus fervidus. Journal of Molecular Biology, 2000, 303, 35-47.	2.0	105
23	Archaeal Nucleosome Positioning by CTG Repeats. Journal of Bacteriology, 1999, 181, 1035-1038.	1.0	21
24	Archaeal histone stability, DNA binding, and transcription inhibition above 90Â°C. Extremophiles, 1998, 2, 75-81.	0.9	38
25	Thermodynamic Stability of Archaeal Histonesâ€. Biochemistry, 1998, 37, 10563-10572.	1.2	80
26	NMR Structure and Comparison of the Archaeal Histone HFoB from the MesophileMethanobacterium formicicumwith HMfB from the HyperthermophileMethanothermus fervidusâ€. Biochemistry, 1998, 37, 10573-10580.	1.2	28
27	Origin of the Eukaryotic Nucleus. Science, 1998, 280, 499d-499.	6.0	9
28	Large Scale Preparation of Positively Supercoiled DNA Using the Archaeal Histone HMf. Nucleic Acids Research, 1997, 25, 1660-1661.	6.5	16
29	Differential Effects of DNA Supercoiling on Radical-Mediated DNA Strand Breaks. Chemical Research in Toxicology, 1997, 10, 1118-1122.	1.7	18
30	Archaeal Histones, Nucleosomes, and Transcription Initiation. Cell, 1997, 89, 999-1002.	13.5	164
31	DNA Stability and DNA Binding Proteins. Advances in Protein Chemistry, 1996, 48, 437-467.	4.4	43
32	NMR Structure of HMfB from the Hyperthermophile,Methanothermus fervidus, Confirms that this Archaeal Protein is a Histone. Journal of Molecular Biology, 1996, 255, 187-203.	2.0	135
33	Crystallization and preliminary X-ray characterization of theMethanothermus fervidus histones HMfA and HMfB. , 1996, 24, 269-271.		6
34	Histones and chromatin structure in hyperthermophilicArchaea. FEMS Microbiology Reviews, 1996, 18, 203-213.	3.9	41
35	Improved N-terminal Processing of Recombinant Proteins Synthesized in Escherichia coli. Nature Biotechnology, 1995, 13, 504-506.	9.4	33
36	Histone-encoding genes from Pyrococcus: evidence for members of the HMf family of archaeal histones in a non-methanogenic Archaeon. Gene, 1994, 150, 207-208.	1.0	31

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37	Growth-phase-dependent synthesis of histones in the archaeon Methanothermus fervidus.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 12624-12628.	3.3	103
38	Archaeal DNA Binding Proteins and Chromosome Structure. Systematic and Applied Microbiology, 1993, 16, 582-590.	1.2	24
39	DNA binding by the archaeal histone HMf results in positive supercoiling.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 10397-10401.	3.3	110
40	HMf, a DNA-binding protein isolated from the hyperthermophilic archaeon Methanothermus fervidus, is most closely related to histones.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 5788-5791.	3.3	199
41	Identification of the promoter for a spore coat protein gene in Bacillus subtilis and studies on the regulation of its induction at a late stage of sporulation. Journal of Molecular Biology, 1988, 200, 461-473.	2.0	134
42	Genes encoding spore coat polypeptides from Bacillus subtilis. Journal of Molecular Biology, 1987, 196, 1-10.	2.0	201
43	Genetic Analysis of <i>Bacillus subtilis spo</i> Mutations Generated by Tn<i>917</i>-Mediated Insertional Mutagenesis. Genetics, 1987, 117, 603-617.	1.2	134
44	New Ways to Study Developmental Genes in Spore-Forming Bacteria. Science, 1985, 228, 285-291.	6.0	118
45	A promoter whose utilization is temporally regulated during sporulation in Bacillus subtilis. Journal of Molecular Biology, 1984, 176, 333-348.	2.0	38
46	NEW GENETIC METHODS, MOLECULAR CLONING STRATEGIES AND GENE FUSION TECHNIQUES FOR BACILLUS SUBTILIS WHICH TAKE ADVANTAGE OF Tn917 INSERTIONAL MUTAGENESIS. , 1984, , 103-111.		22
47	Chromatin and Regulation. , 0, , 147-157.		0