Jeffrey C Hansen

List of Publications by Year
in descending order

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72	6,796	57758 44	88630 70
papers	citations	h-index	g-index

73	73	73	5231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The solid and liquid states of chromatin. Epigenetics and Chromatin, 2021, 14, 50.	3.9	55
2	Condensed Chromatin Behaves like a Solid on the Mesoscale InÂVitro and in Living Cells. Cell, 2020, 183, 1772-1784.e13.	28.9	186
3	Silencing the genome with linker histones. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15388-15390.	7.1	4
4	Fluid-like chromatin: Toward understanding the real chromatin organization present in the cell. Current Opinion in Cell Biology, 2020, 64, 77-89.	5.4	76
5	Post-translational modifications and chromatin dynamics. Essays in Biochemistry, 2019, 63, 89-96.	4.7	64
6	The 10-nm chromatin fiber and its relationship to interphase chromosome organization. Biochemical Society Transactions, 2018, 46, 67-76.	3.4	55
7	The elongation factor Spn1 is a multi-functional chromatin binding protein. Nucleic Acids Research, 2018, 46, 2321-2334.	14.5	19
8	Chromatin folding and DNA replication inhibition mediated by a highly antitumor-active tetrazolato-bridged dinuclear platinum(II) complex. Scientific Reports, 2016, 6, 24712.	3.3	20
9	Nucleosomal arrays selfâ€assemble into supramolecular globular structures lacking 30â€nm fibers. EMBO Journal, 2016, 35, 1115-1132.	7.8	164
10	Acetylation Mimics Within a Single Nucleosome Alter Local DNA Accessibility In Compacted Nucleosome Arrays. Scientific Reports, 2016, 6, 34808.	3.3	26
11	Linker histone H1 and proteinâ€“protein interactions. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 455-461.	1.9	58
12	Proteomic Characterization of the Nucleolar Linker Histone H1 Interaction Network. Journal of Molecular Biology, 2015, 427, 2056-2071.	4.2	42
13	Sedimentation Velocity Analysis of Large Oligomeric Chromatin Complexes Using Interference Detection. Methods in Enzymology, 2015, 562, 349-362.	1.0	4
14	The role of the nucleosome acidic patch in modulating higher order chromatin structure. Journal of the Royal Society Interface, 2013, 10, 20121022.	3.4	200
15	Linker histone H1.0 interacts with an extensive network of proteins found in the nucleolus. Nucleic Acids Research, 2013, 41, 4026-4035.	14.5	73
16	Coilâ€toâ€helix transitions in intrinsically disordered methyl CpG binding protein 2 and its isolated domains. Protein Science, 2012, 21, 531-538.	7.6	25
17	Human mitotic chromosome structure: what happened to the 30-nm fibre?. EMBO Journal, 2012, 31, 1621-1623.	7.8	36
18	Nucleosome distribution and linker DNA: connecting nuclear function to dynamic chromatin structureThis paper is one of a selection of papers published in a Special Issue entitled 31st Annual International Asilomar Chromatin and Chromosomes Conference, and has undergone the Journalâ€™s usual peer review process.. Biochemistry and Cell Biology, 2011, 89, 24-34.	2.0	96

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19	The Linker Region of MacroH2A Promotes Self-association of Nucleosomal Arrays. Journal of Biological Chemistry, 2011, 286, 23852-23864.	3.4	47
20	Biophysical analysis and small-angle X-ray scattering-derived structures of MeCP2â€“nucleosome complexes. Nucleic Acids Research, 2011, 39, 4122-4135.	14.5	49
21	DNA Binding Restricts the Intrinsic Conformational Flexibility of Methyl CpG Binding Protein 2 (MeCP2). Journal of Biological Chemistry, 2011, 286, 18938-18948.	3.4	29
22	Replacement of histone H3 with CENP-A directs global nucleosome array condensation and loosening of nucleosome superhelical termini. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16588-16593.	7.1	84
23	Binding of the Rett syndrome protein, MeCP2, to methylated and unmethylated DNA and chromatin. IUBMB Life, 2010, 62, 732-738.	3.4	84
24	Histone chaperones, histone acetylation, and the fluidity of the chromogenome. Journal of Cellular Physiology, 2010, 224, 289-299.	4.1	28
25	Multifunctionality of the linker histones: an emerging role for protein-protein interactions. Cell Research, 2010, 20, 519-528.	12.0	76
26	Activator-dependent p300 Acetylation of Chromatin in Vitro. Journal of Biological Chemistry, 2010, 285, 31954-31964.	3.4	55
27	Determinants of Histone H4 N-terminal Domain Function during Nucleosomal Array Oligomerization. Journal of Biological Chemistry, 2009, 284, 16716-16722.	3.4	32
28	Recent advances in MeCP2 structure and functionThis paper is one of a selection of papers published in this Special Issue, entitled 29th Annual International Asilomar Chromatin and Chromosomes Conference, and has undergone the Journalâ€™s usual peer review process.. Biochemistry and Cell Biology, 2009, 87, 219-227.	2.0	113
29	The effect of H3K79 dimethylation and H4K20 trimethylation on nucleosome and chromatin structure. Nature Structural and Molecular Biology, 2008, 15, 1122-1124.	8.2	210
30	Malleable machines take shape in eukaryotic transcriptional regulation. Nature Chemical Biology, 2008, 4, 728-737.	8.0	192
31	The Silent Information Regulator 3 Protein, SIR3p, Binds to Chromatin Fibers and Assembles a Hypercondensed Chromatin Architecture in the Presence of Salt. Molecular and Cellular Biology, 2008, 28, 3563-3572.	2.3	34
32	Intrinsic Disorder and Autonomous Domain Function in the Multifunctional Nuclear Protein, MeCP2. Journal of Biological Chemistry, 2007, 282, 15057-15064.	3.4	115
33	MeCP2-Chromatin Interactions Include the Formation of Chromatosome-like Structures and Are Altered in Mutations Causing Rett Syndrome. Journal of Biological Chemistry, 2007, 282, 28237-28245.	3.4	102
34	Multiple Modes of Interaction between the Methylated DNA Binding Protein MeCP2 and Chromatin. Molecular and Cellular Biology, 2007, 27, 864-877.	2.3	159
35	The H3 Tail Domain Participates in Multiple Interactions during Folding and Self-Association of Nucleosome Arrays. Molecular and Cellular Biology, 2007, 27, 2084-2091.	2.3	100
36	A charged and contoured surface on the nucleosome regulates chromatin compaction. Nature Structural and Molecular Biology, 2007, 14, 1105-1107.	8.2	99

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37	Short and long range Interâ€nucleosome interactions of the core histone tail domains. FASEB Journal, 2007, 21, A38.	0.5	0
38	Linking Genome Structure and Function through Specific Histone Acetylation. ACS Chemical Biology, 2006, 1, 69-72.	3.4	13
39	In vitro chromatin self-association and its relevance to genome architectureThis paper is one of a selection of papers published in this Special Issue, entitled 27th International West Coast Chromatin and Chromosome Conference, and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2006, 84, 411-417.	2.0	15
40	Chromatin architectural proteins. Chromosome Research, 2006, 14, 39-51.	2.2	79
41	Developmental Biology: Holding Pattern for Histones. Current Biology, 2006, 16, R918-R920.	3.9	3
42	Intrinsic Protein Disorder, Amino Acid Composition, and Histone Terminal Domains. Journal of Biological Chemistry, 2006, 281, 1853-1856.	3.4	217
43	Characterization of the chromatin binding domains of MeCP2. FASEB Journal, 2006, 20, LB48.	0.5	0
44	The Core Histone N-terminal Tail Domains Function Independently and Additively during Salt-dependent Oligomerization of Nucleosomal Arrays. Journal of Biological Chemistry, 2005, 280, 33701-33706.	3.4	123
45	Salt-dependent Intra- and Internucleosomal Interactions of the H3 Tail Domain in a Model Oligonucleosomal Array. Journal of Biological Chemistry, 2005, 280, 33552-33557.	3.4	88
46	Identification of Specific Functional Subdomains within the Linker Histone H10 C-terminal Domain. Journal of Biological Chemistry, 2004, 279, 8701-8707.	3.4	121
47	Dissociation of Human Copper-Zinc Superoxide Dismutase Dimers Using Chaotrope and Reductant. Journal of Biological Chemistry, 2004, 279, 54558-54566.	3.4	149
48	Revisiting the structure and functions of the linker histone C-terminal tail domain. Biochemistry and Cell Biology, 2003, 81, 173-176.	2.0	24
49	Formation of higher-order secondary and tertiary chromatin structures by genomic mouse mammary tumor virus promoters. Genes and Development, 2003, 17, 1617-1629.	5.9	31
50	Chromatin Compaction by Human MeCP2. Journal of Biological Chemistry, 2003, 278, 32181-32188.	3.4	259
51	New insights into unwrapping DNA from the nucleosome from a single-molecule optical tweezers method. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1752-1754.	7.1	16
52	Conformational Dynamics of the Chromatin Fiber in Solution: Determinants, Mechanisms, and Functions. Annual Review of Biophysics and Biomolecular Structure, 2002, 31, 361-392.	18.3	458
53	The SIN domain of the histone octamer is essential for intramolecular folding of nucleosomal arrays. Nature Structural Biology, 2002, 9, 167-71.	9.7	31
54	The essential histone variant H2A.Z regulates the equilibrium between different chromatin conformational states. Nature Structural Biology, 2002, 9, 172-6.	9.7	137

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55	Phosphorylation of linker histones regulates ATP-dependent chromatin remodeling enzymes. Nature Structural Biology, 2002, 9, 263-267.	9.7	160
56	Nucleosomes and the chromatin fiber. Current Opinion in Genetics and Development, 2001, 11, 124-129.	3.3	120
57	Sedimentation velocity analysis of macromolecular assemblies. Methods in Enzymology, 2000, 321, 66-80.	1.0	24
58	Analytical Sedimentation of the IIAChb and IIBChb Proteins of the Escherichia coli N,Nâ€²-Diacetylchitobiose Phosphotransferase System. Journal of Biological Chemistry, 2000, 275, 33110-33115.	3.4	13
59	The Core Histone N Termini Function Independently of Linker Histones during Chromatin Condensation. Journal of Biological Chemistry, 2000, 275, 37285-37290.	3.4	101
60	The Yeast Histone Acetyltransferase A2 Complex, but Not Free Gcn5p, Binds Stably to Nucleosomal Arrays. Journal of Biological Chemistry, 2000, 275, 24928-24934.	3.4	42
61	Assembly of defined nucleosomal and chromatin arrays from pure components. Methods in Enzymology, 1999, 304, 19-35.	1.0	81
62	Linker Histones Stabilize the Intrinsic Salt-Dependent Folding of Nucleosomal Arrays:Â Mechanistic Ramifications for Higher-Order Chromatin Foldingâ€. Biochemistry, 1998, 37, 14776-14787.	2.5	224
63	Gcn5p, a Transcription-related Histone Acetyltransferase, Acetylates Nucleosomes and Folded Nucleosomal Arrays in the Absence of Other Protein Subunits. Journal of Biological Chemistry, 1998, 273, 32388-32392.	3.4	45
64	Disruption of Higher-Order Folding by Core Histone Acetylation Dramatically Enhances Transcription of Nucleosomal Arrays by RNA Polymerase III. Molecular and Cellular Biology, 1998, 18, 4629-4638.	2.3	528
65	Hybrid Trypsinized Nucleosomal Arrays:Â Identification of Multiple Functional Roles of the H2A/H2B and H3/H4 N-Termini in Chromatin Fiber Compactionâ€. Biochemistry, 1997, 36, 11381-11388.	2.5	136
66	Reversible Oligonucleosome Self-Association:Â Dependence on Divalent Cations and Core Histone Tail Domainsâ€. Biochemistry, 1996, 35, 4009-4015.	2.5	224
67	Core Histone Tail Domains Mediate Oligonucleosome Folding and Nucleosomal DNA Organization through Distinct Molecular Mechanisms. Journal of Biological Chemistry, 1995, 270, 25359-25362.	3.4	161
68	[25] Analysis of structural changes in steroid receptor proteins by partitioning. Methods in Enzymology, 1994, 228, 276-286.	1.0	1
69	Chromatin dynamics and the modulation of genetic activity. Trends in Biochemical Sciences, 1992, 17, 187-191.	7.5	71
70	Large-scale purification of plasmid insert DNA sequences using low-percentage agarose exclusion chromatography. Analytical Biochemistry, 1989, 179, 167-170.	2.4	15
71	Homogeneous reconstituted oligonucleosomes, evidence for salt-dependent folding in the absence of histone H1. Biochemistry, 1989, 28, 9129-9136.	2.5	228
72	Activation of Progesterone Receptor by ATP. FEBS Journal, 1981, 118, 547-555.	0.2	47