

Pedro Suau

List of Publications by Year in descending order

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49
papers

1,831
citations

257357

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265120

42
g-index

49
all docs

49
docs citations

49
times ranked

1206
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher-Order Structures of Chromatin in Solution. FEBS Journal, 1979, 97, 593-602.	0.2	164
2	Small angle neutron scattering studies of chromatin subunits in solution. Cell, 1977, 10, 139-151.	13.5	135
3	Changes in histones H2A and H3 variant composition in differentiating and mature rat brain cortical neurons. Developmental Biology, 1987, 123, 51-58.	0.9	134
4	A low resolution model for the chromatin core particle by neutron scattering. Nucleic Acids Research, 1977, 4, 3769-3786.	6.5	121
5	DNA-induced Secondary Structure of the Carboxyl-terminal Domain of Histone H1. Journal of Biological Chemistry, 2005, 280, 32141-32147.	1.6	86
6	Evolution of the vertebrate H1 histone class: evidence for the functional differentiation of the subtypes. Molecular Biology and Evolution, 1998, 15, 702-708.	3.5	72
7	Phosphorylation of the carboxy-terminal domain of histone H1: effects on secondary structure and DNA condensation. Nucleic Acids Research, 2008, 36, 4719-4726.	6.5	71
8	Differential affinity of mammalian histone H1 somatic subtypes for DNA and chromatin. BMC Biology, 2007, 5, 22.	1.7	68
9	Induction of Secondary Structure in a COOH-terminal Peptide of Histone H1 by Interaction with the DNA. Journal of Biological Chemistry, 2001, 276, 30898-30903.	1.6	63
10	X-ray diffraction studies of nucleoprotamine structure. Journal of Molecular Biology, 1977, 117, 909-926.	2.0	62
11	DNA-induced α -Helical Structure in the NH ₂ -terminal Domain of Histone H1. Journal of Biological Chemistry, 2001, 276, 46429-46435.	1.6	57
12	Macromolecular Crowding Induces a Molten Globule State in the C-Terminal Domain of Histone H1. Biophysical Journal, 2007, 93, 2170-2177.	0.2	51
13	Histone H1 Post-Translational Modifications: Update and Future Perspectives. International Journal of Molecular Sciences, 2020, 21, 5941.	1.8	46
14	Differential kinetics of histone H1o accumulation in neuronal and glial cells from rat cerebral cortex during postnatal development. Biochemical and Biophysical Research Communications, 1984, 123, 697-702.	1.0	42
15	Condensation of DNA by the C-terminal domain of histone H1 A circular dichroism study. Biophysical Chemistry, 1985, 22, 125-129.	1.5	42
16	Changes in H1 complement in differentiating rat-brain cortical neurons. FEBS Journal, 1987, 164, 71-76.	0.2	42
17	A helix-turn motif in the C-terminal domain of histone H1. Protein Science, 2000, 9, 627-636.	3.1	38
18	Interplay between histone H1 structure and function. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 444-454.	0.9	36

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19	Sequence Complexity of Histone H1 Subtypes. <i>Molecular Biology and Evolution</i> , 2003, 20, 371-380.	3.5	35
20	Linker histone partial phosphorylation: effects on secondary structure and chromatin condensation. <i>Nucleic Acids Research</i> , 2015, 43, 4463-4476.	6.5	35
21	The preferential binding of histone H1 to DNA scaffold-associated regions is determined by its C-terminal domain. <i>Nucleic Acids Research</i> , 2004, 32, 6111-6119.	6.5	34
22	Differential acetylation of core histones in rat cerebral cortex neurons during development and aging. <i>FEBS Journal</i> , 1988, 174, 311-315.	0.2	30
23	An inducible helix-Gly-Gly-helix motif in the N-terminal domain of histone H1e: A CD and NMR study. <i>Protein Science</i> , 2009, 11, 214-220.	3.1	28
24	Secondary structure of protamine in sperm nuclei: an infrared spectroscopy study. <i>BMC Structural Biology</i> , 2011, 11, 14.	2.3	28
25	Identification of novel post-translational modifications in linker histones from chicken erythrocytes. <i>Journal of Proteomics</i> , 2015, 113, 162-177.	1.2	28
26	Role of Charge Neutralization in the Folding of the Carboxy-Terminal Domain of Histone H1. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12061-12066.	1.2	25
27	Post-translational modifications of the intrinsically disordered terminal domains of histone H1: effects on secondary structure and chromatin dynamics. <i>Chromosoma</i> , 2017, 126, 83-91.	1.0	25
28	Complex Evolutionary History of the Mammalian Histone H1.1/H1.5 Gene Family. <i>Molecular Biology and Evolution</i> , 2017, 34, msw241.	3.5	20
29	Core histone variants and ubiquitinated histones 2A and 2B of rat cerebral cortex neurons. <i>Biochemical and Biophysical Research Communications</i> , 1985, 133, 505-510.	1.0	19
30	Changes in the proportions of histone H1 ^o subtypes in brain cortical neurons. <i>FEBS Letters</i> , 1987, 210, 161-164.	1.3	19
31	Cooperative interaction of the C-terminal domain of histone H1 with DNA. <i>Biophysical Chemistry</i> , 1991, 39, 145-152.	1.5	19
32	Differential expression and gonadal hormone regulation of histone H1 ^o in the developing and adult rat brain. <i>Developmental Brain Research</i> , 1993, 73, 63-70.	2.1	19
33	Dynamics and dispensability of variant-specific histone H1 Lys ²⁶ /Ser ²⁷ and Thr ¹⁶⁵ post-translational modifications. <i>FEBS Letters</i> , 2014, 588, 2353-2362.	1.3	16
34	Structural heterogeneity of reconstituted complexes of DNA with typical and intermediate protamines. <i>Biophysical Chemistry</i> , 1983, 18, 257-267.	1.5	13
35	Sequence and analysis of the 5' flanking and 5' untranslated regions of the rat N-methyl-D-aspartate receptor 2A gene. <i>Gene</i> , 2002, 295, 135-142.	1.0	13
36	Histone H1 Favors Folding and Parallel Fibrillar Aggregation of the 1 ⁴² Amyloid- β Peptide. <i>Langmuir</i> , 2015, 31, 6782-6790.	1.6	13

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37	Contribution of hydrophobic interactions to the folding and fibrillation of histone H1 and its carboxy-terminal domain. <i>Journal of Structural Biology</i> , 2012, 180, 101-109.	1.3	12
38	A CON-based NMR assignment strategy for pro-rich intrinsically disordered proteins with low signal dispersion: the C-terminal domain of histone H1.0 as a case study. <i>Journal of Biomolecular NMR</i> , 2018, 72, 139-148.	1.6	12
39	Transcriptional activation of Histone H1 ⁰ during neuronal terminal differentiation. <i>Developmental Brain Research</i> , 1994, 80, 35-44.	2.1	10
40	Fluorescent properties of histone-1-anilinonaphthalene 8-sulfonate complexes in the presence of denaturant agents: Application to the rapid staining of histones in urea and Triton-urea-polyacrylamide gels. <i>Analytical Biochemistry</i> , 1985, 146, 431-433.	1.1	9
41	Neutron-scattering studies of chromatin subunits under a variety of contrast conditions. <i>Journal of Applied Crystallography</i> , 1978, 11, 483-484.	1.9	8
42	Expression of histone H1 ⁰ in transcriptionally activated supraoptic neurons. <i>Molecular Brain Research</i> , 1995, 29, 317-324.	2.5	6
43	Sequence conservation of linker histones between chicken and mammalian species. <i>Data in Brief</i> , 2014, 1, 60-64.	0.5	6
44	Cloning and analysis of the coding region of the histone H1 ⁰ -encoding gene from rat PC12 cells. <i>Gene</i> , 1995, 166, 313-316.	1.0	5
45	The binding of T4 gene 32 protein to MS2 virus RNA and transfer RNA. <i>Nucleic Acids Research</i> , 1980, 8, 1357-1372.	6.5	4
46	Sequence simplicity and evolution of the 3' untranslated region of the histone H1 ⁰ Gene. <i>Journal of Molecular Evolution</i> , 1996, 43, 125-134.	0.8	4
47	Kinetic analysis of α -DNA structure formation induced by histone H1 and its C-terminal domain. <i>Biophysical Chemistry</i> , 1989, 33, 133-141.	1.5	3
48	The subtype-specific role of histone H1.0 in cancer cell differentiation and intratumor heterogeneity. <i>Translational Cancer Research</i> , 2017, 6, S414-S417.	0.4	3
49	Interaction of the c-terminal domain of the histone H1 with DNA. <i>Biochemical Pharmacology</i> , 1988, 37, 1841-1842.	2.0	0