

Juan Ausi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7024953/juan-ausio-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

201
papers

9,431
citations

46
h-index

89
g-index

209
ext. papers

10,215
ext. citations

4.9
avg, IF

5.97
L-index

#	Paper	IF	Citations
201	Chromatin, stacked at the centromere.. <i>Nature Structural and Molecular Biology</i> , 2022 , 29, 288-290	17.6	
200	MeCP2: The Genetic Driver of Rett Syndrome Epigenetics. <i>Frontiers in Genetics</i> , 2021 , 12, 620859	4.5	16
199	MeCP2: latest insights fundamentally change our understanding of its interactions with chromatin and its functional attributes. <i>BioEssays</i> , 2021 , 43, e2000281	4.1	1
198	Spermiogenic chromatin condensation patterning in several hexapods may involve phase separation dynamics by spinodal decomposition or microemulsion inversion (nucleation). <i>Tissue and Cell</i> , 2021 , 73, 101648	2.7	0
197	Evolution of a histone variant involved in compartmental regulation of NAD metabolism. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 1009-1019	17.6	1
196	Histone H4 variant, H4G, drives ribosomal RNA transcription and breast cancer cell proliferation by loosening nucleolar chromatin structure. <i>Journal of Cellular Physiology</i> , 2020 , 235, 9601-9608	7	8
195	Deciphering the Enigma of the Histone H2A.Z-1/H2A.Z-2 Isoforms: Novel Insights and Remaining Questions. <i>Cells</i> , 2020 , 9,	7.9	2
194	Doxorubicin induces large-scale and differential H2A and H2B redistribution in live cells. <i>PLoS ONE</i> , 2020 , 15, e0231223	3.7	8
193	Spermatogenesis in haploid males of the jewel wasp <i>Nasonia vitripennis</i> . <i>Scientific Reports</i> , 2019 , 9, 121949	4.9	5
192	EvoChromo: towards a synthesis of chromatin biology and evolution. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	7
191	Metformin induces the AP-1 transcription factor network in normal dermal fibroblasts. <i>Scientific Reports</i> , 2019 , 9, 5369	4.9	9
190	MeCP2-E1 isoform is a dynamically expressed, weakly DNA-bound protein with different protein and DNA interactions compared to MeCP2-E2. <i>Epigenetics and Chromatin</i> , 2019 , 12, 63	5.8	23
189	Protamines from liverwort are produced by post-translational cleavage and C-terminal di-aminopropanelation of several male germ-specific H1 histones. <i>Journal of Biological Chemistry</i> , 2019 , 294, 16364-16373	5.4	6
188	A novel histone H4 variant H4G regulates rDNA transcription in breast cancer. <i>Nucleic Acids Research</i> , 2019 , 47, 8399-8409	20.1	29
187	Fetal alcohol spectrum disorder (FASD) affects the hippocampal levels of histone variant H2A.Z-2. <i>Biochemistry and Cell Biology</i> , 2019 , 97, 431-436	3.6	5
186	Alterations in the properties of sperm protamine-like II protein after exposure of <i>Mytilus galloprovincialis</i> (Lamarck 1819) to sub-toxic doses of cadmium. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 600-606	7	21
185	<i>Mytilus galloprovincialis</i> (Lamarck, 1819) spermatozoa: hsp70 expression and protamine-like protein property studies. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 12957-12966	5.1	27

184	Protamine-like proteins' analysis as an emerging biotechnique for cadmium impact assessment on male mollusk <i>Mytilus galloprovincialis</i> (Lamarck 1819). <i>Acta Biochimica Polonica</i> , 2018 , 65, 259-267	2	28
183	Protamine-like proteins have bactericidal activity. The first evidence in <i>Mytilus galloprovincialis</i> . <i>Acta Biochimica Polonica</i> , 2018 , 65, 585-594	2	10
182	Metformin alters H2A.Z dynamics and regulates androgen dependent prostate cancer progression. <i>Oncotarget</i> , 2018 , 9, 37054-37068	3.3	10
181	Role of MeCP2 in neurological disorders: current status and future perspectives. <i>Epigenomics</i> , 2018 , 10, 5-8	4.4	11
180	Paternal contribution to development: Sperm genetic damage and repair in fish. <i>Aquaculture</i> , 2017 , 472, 45-59	4.4	31
179	Chromatin States in Mouse Sperm Correlate with Embryonic and Adult Regulatory Landscapes. <i>Cell Reports</i> , 2017 , 18, 1366-1382	10.6	147
178	MeCP2, A Modulator of Neuronal Chromatin Organization Involved in Rett Syndrome. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 978, 3-21	3.6	8
177	Nucleosome stability measured in situ by automated quantitative imaging. <i>Scientific Reports</i> , 2017 , 7, 12734	4.9	11
176	Basic surface features of nuclear FKBP5 facilitate chromatin binding. <i>Scientific Reports</i> , 2017 , 7, 3795	4.9	5
175	MeCP2_E1 N-terminal modifications affect its degradation rate and are disrupted by the Ala2Val Rett mutation. <i>Human Molecular Genetics</i> , 2017 , 26, 4132-4141	5.6	14
174	MeCP2 and CTCF: enhancing the cross-talk of silencers. <i>Biochemistry and Cell Biology</i> , 2017 , 95, 593-608	3.6	7
173	Trichostatin A decreases the levels of MeCP2 expression and phosphorylation and increases its chromatin binding affinity. <i>Epigenetics</i> , 2017 , 12, 934-944	5.7	7
172	Analytical Ultracentrifuge Analysis of Nucleosomes Assembled from Recombinant, Acid-Extracted, HPLC-Purified Histones. <i>Methods in Molecular Biology</i> , 2017 , 1528, 75-95	1.4	4
171	Molecular and Biochemical Methods Useful for the Epigenetic Characterization of Chromatin-Associated Proteins in Bivalve Molluscs. <i>Frontiers in Physiology</i> , 2017 , 8, 490	4.6	10
170	Histone Variants and Composition in the Developing Brain: Should MeCP2 Care?. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 829-842	3	2
169	Brain phosphorylation of MeCP2 at serine 164 is developmentally regulated and globally alters its chromatin association. <i>Scientific Reports</i> , 2016 , 6, 28295	4.9	16
168	Characterization of mussel H2A.Z.2: a new H2A.Z variant preferentially expressed in germinal tissues from <i>Mytilus</i> . <i>Biochemistry and Cell Biology</i> , 2016 , 94, 480-490	3.6	6
167	Expression and purification of the full murine NPM2 and study of its interaction with protamines and histones. <i>Biochemistry and Biophysics Reports</i> , 2016 , 6, 165-171	2.2	5

166	HMGNs: The enhancer charmers. <i>BioEssays</i> , 2016 , 38, 226-31	4.1	8
165	Poly(ADP-ribosyl)ation-dependent Transient Chromatin Decondensation and Histone Displacement following Laser Microirradiation. <i>Journal of Biological Chemistry</i> , 2016 , 291, 1789-1802	5.4	61
164	Histone Variants and Posttranslational Modifications in Spermatogenesis and Infertility 2016 , 479-496		1
163	Unique yeast histone sequences influence octamer and nucleosome stability. <i>FEBS Letters</i> , 2016 , 590, 2629-38	3.8	7
162	From Function to Phenotype: Impaired DNA Binding and Clustering Correlates with Clinical Severity in Males with Missense Mutations in MECP2. <i>Scientific Reports</i> , 2016 , 6, 38590	4.9	12
161	MeCP2 and the enigmatic organization of brain chromatin. Implications for depression and cocaine addiction. <i>Clinical Epigenetics</i> , 2016 , 8, 58	7.7	29
160	The characterization of macroH2A beyond vertebrates supports an ancestral origin and conserved role for histone variants in chromatin. <i>Epigenetics</i> , 2016 , 11, 415-25	5.7	26
159	MeCP2 [Nature] Wonder Protein or Medicine] Most Feared One?. <i>Current Genetic Medicine Reports</i> , 2016 , 4, 180-194	2.2	2
158	Evolution of high mobility group nucleosome-binding proteins and its implications for vertebrate chromatin specialization. <i>Molecular Biology and Evolution</i> , 2015 , 32, 121-31	8.3	22
157	The shades of gray of the chromatin fiber: recent literature provides new insights into the structure of chromatin. <i>BioEssays</i> , 2015 , 37, 46-51	4.1	19
156	Interaction of chromatin with a histone H1 containing swapped N- and C-terminal domains. <i>Bioscience Reports</i> , 2015 , 35,	4.1	9
155	The Structural Determinants behind the Epigenetic Role of Histone Variants. <i>Genes</i> , 2015 , 6, 685-713	4.2	21
154	Circadian cycle-dependent MeCP2 and brain chromatin changes. <i>PLoS ONE</i> , 2015 , 10, e0123693	3.7	17
153	New insights into protamine-like component organization in <i>Mytilus galloprovincialis</i> ' sperm chromatin. <i>DNA and Cell Biology</i> , 2015 , 34, 162-9	3.6	19
152	Comparative structure of vertebrate sperm chromatin. <i>Journal of Structural Biology</i> , 2014 , 188, 142-55	3.4	21
151	MeCP2: the long trip from a chromatin protein to neurological disorders. <i>Trends in Molecular Medicine</i> , 2014 , 20, 487-98	11.5	68
150	dBigH1, a second histone H1 in <i>Drosophila</i> , and the consequences for histone fold nomenclature. <i>Epigenetics</i> , 2014 , 9, 791-7	5.7	8
149	The intrinsically disordered distal face of nucleoplasmin recognizes distinct oligomerization states of histones. <i>Nucleic Acids Research</i> , 2014 , 42, 1311-25	20.1	16

148	Histone H2A.Z deregulation in prostate cancer. Cause or effect?. <i>Cancer and Metastasis Reviews</i> , 2014 , 33, 429-39	9.6	21
147	Brain H2A.Z: the long and the short. <i>BMC Biology</i> , 2013 , 11, 84	7.3	2
146	Henryk (Heini) Eisenberg (1921-2009): From polymer chemistry to halophilic enzymes to chromatin and back. <i>Biopolymers</i> , 2013 , 99, 270-2	2.2	
145	Impaired in vivo binding of MeCP2 to chromatin in the absence of its DNA methyl-binding domain. <i>Nucleic Acids Research</i> , 2013 , 41, 4888-900	20.1	22
144	Sperm nuclear basic proteins of tunicates and the origin of protamines. <i>Biological Bulletin</i> , 2013 , 224, 127-36	1.5	5
143	The CHROMEVALOA database: a resource for the evaluation of Okadaic Acid contamination in the marine environment based on the chromatin-associated transcriptome of the mussel <i>Mytilus galloprovincialis</i> . <i>Marine Drugs</i> , 2013 , 11, 830-41	6	18
142	Vertebrate nucleoplasmin and NASP: egg histone storage proteins with multiple chaperone activities. <i>FASEB Journal</i> , 2012 , 26, 4788-804	0.9	35
141	Histone H2A.Z prepares the prostate specific antigen (PSA) gene for androgen receptor-mediated transcription and is upregulated in a model of prostate cancer progression. <i>Cancer Letters</i> , 2012 , 315, 38-47	9.9	48
140	Chromatin specialization in bivalve molluscs: a leap forward for the evaluation of Okadaic Acid genotoxicity in the marine environment. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012 , 155, 175-81	3.2	12
139	A unified phylogeny-based nomenclature for histone variants. <i>Epigenetics and Chromatin</i> , 2012 , 5, 7	5.8	227
138	A sperm nuclear basic protein from the sperm of the marine worm <i>Chaetopterus variopedatus</i> with sequence similarity to the arginine-rich C-termini of chordate protamine-likes. <i>DNA and Cell Biology</i> , 2012 , 31, 1392-402	3.6	18
137	Histone H2A (H2A.X and H2A.Z) variants in molluscs: molecular characterization and potential implications for chromatin dynamics. <i>PLoS ONE</i> , 2012 , 7, e30006	3.7	24
136	MeCP2 binds to nucleosome free (linker DNA) regions and to H3K9/H3K27 methylated nucleosomes in the brain. <i>Nucleic Acids Research</i> , 2012 , 40, 2884-97	20.1	46
135	ATP hydrolysis by RAD50 protein switches MRE11 enzyme from endonuclease to exonuclease. <i>Journal of Biological Chemistry</i> , 2012 , 287, 2328-41	5.4	29
134	Genome Organization by Vertebrate Sperm Nuclear Basic Proteins (SNBPs). <i>Epigenetics and Human Health</i> , 2011 , 213-230		5
133	Boule and the Evolutionary Origin of Metazoan Gametogenesis: A Grandpa's Tale. <i>International Journal of Evolutionary Biology</i> , 2011 , 2011, 972457		13
132	Protamines: structural complexity, evolution and chromatin patterning. <i>Protein and Peptide Letters</i> , 2011 , 18, 755-71	1.9	36
131	Histone Variants 2010 , 2409-2425		

130	H2A.Bbd: an X-chromosome-encoded histone involved in mammalian spermiogenesis. <i>Nucleic Acids Research</i> , 2010 , 38, 1780-9	20.1	60
129	Nucleoplasmin binds histone H2A-H2B dimers through its distal face. <i>Journal of Biological Chemistry</i> , 2010 , 285, 33771-8	5.4	24
128	Birth-and-death long-term evolution promotes histone H2B variant diversification in the male germinal cell line. <i>Molecular Biology and Evolution</i> , 2010 , 27, 1802-12	8.3	18
127	Interaction of daunomycin with acetylated chromatin. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 6457-65	8.3	8
126	Phosphorylation of histone H2A.X by DNA-dependent protein kinase is not affected by core histone acetylation, but it alters nucleosome stability and histone H1 binding. <i>Journal of Biological Chemistry</i> , 2010 , 285, 17778-88	5.4	33
125	Sexual selection drives weak positive selection in protamine genes and high promoter divergence, enhancing sperm competitiveness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 2427-36	4.4	40
124	The evolutionary differentiation of two histone H2A.Z variants in chordates (H2A.Z-1 and H2A.Z-2) is mediated by a stepwise mutation process that affects three amino acid residues. <i>BMC Evolutionary Biology</i> , 2009 , 9, 31	3	60
123	High-pressure freezing of spermiogenic nuclei supports a dynamic chromatin model for the histone-to-protamine transition. <i>Journal of Cellular Biochemistry</i> , 2009 , 108, 1399-409	4.7	10
122	Spermiogenic nuclear protein transitions and chromatin condensation. Proposal for an ancestral model of nuclear spermiogenesis. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009 , 312B, 149-63	1.8	33
121	MeCP2 post-translational regulation through PEST domains: two novel hypotheses: potential relevance and implications for Rett syndrome. <i>BioEssays</i> , 2009 , 31, 561-9	4.1	19
120	Origin and evolution of chromosomal sperm proteins. <i>BioEssays</i> , 2009 , 31, 1062-70	4.1	62
119	Characterization of the histone H2A.Z-1 and H2A.Z-2 isoforms in vertebrates. <i>BMC Biology</i> , 2009 , 7, 86	7.3	72
118	Long-Term Evolution of Histone Families: Old Notions and New Insights into Their Mechanisms of Diversification Across Eukaryotes 2009 , 139-162		27
117	New developments in post-translational modifications and functions of histone H2A variants. <i>Biochemistry and Cell Biology</i> , 2009 , 87, 7-17	3.6	34
116	Histone genes of the razor clam <i>Solen marginatus</i> unveil new aspects of linker histone evolution in protostomes. <i>Genome</i> , 2009 , 52, 597-607	2.4	10
115	A moment's pause: putative nucleosome-based influences on MeCP2 regulation. <i>Biochemistry and Cell Biology</i> , 2009 , 87, 791-8	3.6	3
114	Acetylation of vertebrate H2A.Z and its effect on the structure of the nucleosome. <i>Biochemistry</i> , 2009 , 48, 5007-17	3.2	69
113	H2A.Z and H3.3 histone variants affect nucleosome structure: biochemical and biophysical studies. <i>Biochemistry</i> , 2009 , 48, 10852-7	3.2	73

112	MeCP2 preferentially binds to methylated linker DNA in the absence of the terminal tail of histone H3 and independently of histone acetylation. <i>FEBS Letters</i> , 2008 , 582, 1157-62	3.8	36
111	sNASP, a histone H1-specific eukaryotic chaperone dimer that facilitates chromatin assembly. <i>Biophysical Journal</i> , 2008 , 95, 1314-25	2.9	49
110	Quickly evolving histones, nucleosome stability and chromatin folding: all about histone H2A.Bbd. <i>Gene</i> , 2008 , 413, 1-7	3.8	45
109	C-terminal phosphorylation of murine testis-specific histone H1t in elongating spermatids. <i>Journal of Proteome Research</i> , 2008 , 7, 4070-8	5.6	19
108	The sperm proteins from amphioxus mirror its basal position among chordates and redefine the origin of vertebrate protamines. <i>Molecular Biology and Evolution</i> , 2008 , 25, 1705-13	8.3	9
107	H2A.Bbd: a quickly evolving hypervariable mammalian histone that destabilizes nucleosomes in an acetylation-independent way. <i>FASEB Journal</i> , 2008 , 22, 316-26	0.9	40
106	MBD4-mediated glycosylase activity on a chromatin template is enhanced by acetylation. <i>Molecular and Cellular Biology</i> , 2008 , 28, 4734-44	4.8	13
105	Early evolution of histone genes: prevalence of an 'orphan' H1 lineage in protostomes and birth-and-death process in the H2A family. <i>Journal of Molecular Evolution</i> , 2008 , 66, 505-18	3.1	24
104	Free-flow electrophoresis for top-down proteomics by Fourier transform ion cyclotron resonance mass spectrometry. <i>Proteomics</i> , 2008 , 8, 2798-808	4.8	28
103	Histones and nucleosomes in Cancer sperm (Decapod: Crustacea) previously described as lacking basic DNA-associated proteins: a new model of sperm chromatin. <i>Journal of Cellular Biochemistry</i> , 2008 , 105, 574-84	4.7	23
102	Characterization of the PL-I-related SP2 protein from <i>Xenopus</i> . <i>Biochemistry</i> , 2007 , 46, 12700-8	3.2	6
101	New insights into the nucleophosmin/nucleoplasmin family of nuclear chaperones. <i>BioEssays</i> , 2007 , 29, 49-59	4.1	150
100	Acetylation of histone H4 in complex structural transitions of spermiogenic chromatin. <i>Journal of Cellular Biochemistry</i> , 2007 , 102, 1432-41	4.7	20
99	Probasin promoter assembles into a strongly positioned nucleosome that permits androgen receptor binding. <i>Molecular and Cellular Endocrinology</i> , 2007 , 268, 10-9	4.4	16
98	Evolution of vertebrate chromosomal sperm proteins: implications for fertility and sperm competition. <i>Society of Reproduction and Fertility Supplement</i> , 2007 , 65, 63-79		10
97	The characterization of amphibian nucleoplasmins yields new insight into their role in sperm chromatin remodeling. <i>BMC Genomics</i> , 2006 , 7, 99	4.5	29
96	Sperm nuclear basic proteins of two closely related species of Scorpaeniform fish (<i>Sebastes maliger</i> , <i>Sebastes</i> sp.) with different sexual reproduction and the evolution of fish protamines. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2006 , 305, 277-87		16
95	Common phylogenetic origin of protamine-like (PL) proteins and histone H1: Evidence from bivalve PL genes. <i>Molecular Biology and Evolution</i> , 2006 , 23, 1304-17	8.3	34

94	H2A.Z stabilizes chromatin in a way that is dependent on core histone acetylation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 20036-44	5.4	58
93	Long-term evolution and functional diversification in the members of the nucleophosmin/nucleoplasmin family of nuclear chaperones. <i>Genetics</i> , 2006 , 173, 1835-50	4	48
92	Histone variants--the structure behind the function. <i>Briefings in Functional Genomics & Proteomics</i> , 2006 , 5, 228-43		123
91	Protamines, in the footsteps of linker histone evolution. <i>Journal of Biological Chemistry</i> , 2006 , 281, 1-4	5.4	52
90	Long-range histone acetylation: biological significance, structural implications, and mechanisms. <i>Biochemistry and Cell Biology</i> , 2006 , 84, 518-27	3.6	41
89	A unique vertebrate histone H1-related protamine-like protein results in an unusual sperm chromatin organization. <i>FEBS Journal</i> , 2006 , 273, 4548-61	5.7	24
88	Beyond the Xi: macroH2A chromatin distribution and post-translational modification in an avian system. <i>Journal of Biological Chemistry</i> , 2005 , 280, 16437-45	5.4	34
87	H2AX: tailoring histone H2A for chromatin-dependent genomic integrity. <i>Biochemistry and Cell Biology</i> , 2005 , 83, 505-15	3.6	47
86	Characterization of nucleosomes consisting of the human testis/sperm-specific histone H2B variant (hTSH2B). <i>Biochemistry</i> , 2005 , 44, 2529-35	3.2	55
85	Nucleoplasmin-mediated unfolding of chromatin involves the displacement of linker-associated chromatin proteins. <i>Biochemistry</i> , 2005 , 44, 8274-81	3.2	23
84	Protamines in the internally fertilizing neobatrachian frog <i>Eleutherodactylus coqui</i> . <i>Molecular Reproduction and Development</i> , 2005 , 70, 373-81	2.6	7
83	The anthracycline antibiotics: antitumor drugs that alter chromatin structure. <i>BioEssays</i> , 2005 , 27, 50-6	4.1	98
82	Common evolutionary origin and birth-and-death process in the replication-independent histone H1 isoforms from vertebrate and invertebrate genomes. <i>Journal of Molecular Evolution</i> , 2005 , 61, 398-407	3.1	10
81	Protein identification using sequential ion/ion reactions and tandem mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9463-8	11.5	346
80	Histone H2A ubiquitination does not preclude histone H1 binding, but it facilitates its association with the nucleosome. <i>Journal of Biological Chemistry</i> , 2005 , 280, 4975-82	5.4	32
79	Histone H1 and the origin of protamines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 4148-52	11.5	73
78	Histone variant H2ABbd confers lower stability to the nucleosome. <i>EMBO Reports</i> , 2004 , 5, 715-20	6.5	114
77	Chromatin organization during spermiogenesis in <i>Octopus vulgaris</i> . II: DNA-interacting proteins. <i>Molecular Reproduction and Development</i> , 2004 , 68, 232-9	2.6	9

76	All roads lead to arginine: the squid protamine gene. <i>Journal of Molecular Evolution</i> , 2004 , 58, 673-80	3.1	7
75	New twists on H2A.Z: a histone variant with a controversial structural and functional past. <i>Biochemistry and Cell Biology</i> , 2004 , 82, 490-7	3.6	38
74	PL-I of <i>Spisula solidissima</i> , a highly elongated sperm-specific histone H1. <i>Biochemistry</i> , 2004 , 43, 7766-75	3.2	13
73	Structural characterization of macroH2A containing chromatin. <i>Biochemistry</i> , 2004 , 43, 1352-9	3.2	44
72	Nucleoplasmin: a nuclear chaperone. <i>Biochemistry and Cell Biology</i> , 2004 , 82, 437-45	3.6	44
71	Mutation of the small acidic tract A1 drastically reduces nucleoplasmin activity. <i>FEBS Letters</i> , 2004 , 576, 353-7	3.8	17
70	The role of histone variability in chromatin stability and folding. <i>New Comprehensive Biochemistry</i> , 2004 , 39, 241-290		11
69	Interaction of nucleoplasmin with core histones. <i>Journal of Biological Chemistry</i> , 2003 , 278, 31319-24	5.4	42
68	A walk through vertebrate and invertebrate protamines. <i>Chromosoma</i> , 2003 , 111, 473-82	2.8	145
67	Syndromes of disordered chromatin remodeling. <i>Clinical Genetics</i> , 2003 , 64, 83-95	4	74
66	A haploid affair: core histone transitions during spermatogenesis. <i>Biochemistry and Cell Biology</i> , 2003 , 81, 131-40	3.6	63
65	Chromatin condensation, cysteine-rich protamine, and establishment of disulphide interprotamine bonds during spermiogenesis of <i>Eledone cirrhosa</i> (Cephalopoda). <i>European Journal of Cell Biology</i> , 2002 , 81, 341-9	6.1	27
64	Histone ubiquitination: a tagging tail unfolds?. <i>BioEssays</i> , 2002 , 24, 166-74	4.1	123
63	Nucleoplasmin interaction with protamines. Involvement of the polyglutamic tract. <i>Biochemistry</i> , 2002 , 41, 7802-10	3.2	27
62	The many tales of a tail: carboxyl-terminal tail heterogeneity specializes histone H2A variants for defined chromatin function. <i>Biochemistry</i> , 2002 , 41, 5945-9	3.2	78
61	Protamine-like proteins: evidence for a novel chromatin structure. <i>Biochemistry and Cell Biology</i> , 2002 , 80, 353-61	3.6	29
60	The elusive structural role of ubiquitinated histones. <i>Biochemistry and Cell Biology</i> , 2002 , 80, 311-9	3.6	31
59	Intrinsically disordered protein. <i>Journal of Molecular Graphics and Modelling</i> , 2001 , 19, 26-59	2.8	1747

58	Histones are the major chromosomal protein components of the sperm of the nemerteans <i>Cerebratulus californiensis</i> and <i>Cerebratulus lacteus</i> . <i>The Journal of Experimental Zoology</i> , 2001 , 290, 431-6		12
57	Effects of histone acetylation on the solubility and folding of the chromatin fiber. <i>Journal of Biological Chemistry</i> , 2001 , 276, 12764-8	5.4	71
56	Characterization of the stability and folding of H2A.Z chromatin particles: implications for transcriptional activation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 41945-9	5.4	117
55	Origin of H1 linker histones. <i>FASEB Journal</i> , 2001 , 15, 34-42	0.9	164
54	Magnesium-dependent association and folding of oligonucleosomes reconstituted with ubiquitinated H2A. <i>Journal of Biological Chemistry</i> , 2001 , 276, 14597-601	5.4	30
53	Histone variants and histone modifications: A structural perspective. <i>Biochemistry and Cell Biology</i> , 2001 , 79, 693-708	3.6	53
52	Histone variants and histone modifications: a structural perspective. <i>Biochemistry and Cell Biology</i> , 2001 , 79, 693-708	3.6	15
51	Are linker histones (histone H1) dispensable for survival?. <i>BioEssays</i> , 2000 , 22, 873-7	4.1	23
50	Analytical ultracentrifugation and the characterization of chromatin structure. <i>Biophysical Chemistry</i> , 2000 , 86, 141-53	3.5	35
49	Characterization and evolutionary relevance of the sperm nuclear basic proteins from stickleback fish. <i>Molecular Reproduction and Development</i> , 2000 , 57, 185-93	2.6	9
48	Acetylation increases the alpha-helical content of the histone tails of the nucleosome. <i>Journal of Biological Chemistry</i> , 2000 , 275, 35013-20	5.4	125
47	Histone H1 and evolution of sperm nuclear basic proteins. <i>Journal of Biological Chemistry</i> , 1999 , 274, 31115-8	5.4	86
46	Daunomycin-induced unfolding and aggregation of chromatin. <i>Journal of Biological Chemistry</i> , 1999 , 274, 18401-6	5.4	42
45	Cysteine-containing histone H1-like (PL-I) proteins of sperm. <i>Molecular Reproduction and Development</i> , 1999 , 54, 402-9	2.6	10
44	The histidine-rich protamine from ostrich and tinamou sperm. A link between reptile and bird protamines. <i>Biochemistry</i> , 1999 , 38, 180-4	3.2	16
43	Physicochemical and functional comparison of <i>Xenopus laevis</i> nucleoplasmin obtained from oocytes and from overexpression in bacteria. <i>Archives of Biochemistry and Biophysics</i> , 1999 , 361, 135-41	4.1	13
42	Cysteine-containing histone H1-like (PL-I) proteins of sperm 1999 , 54, 402		1
41	Secretion and properties of the large and small lobes of the channel-forming toxin aerolysin. <i>Molecular Microbiology</i> , 1998 , 30, 341-52	4.1	25

40	Histone H1 binding does not inhibit transcription of nucleosomal <i>Xenopus laevis</i> somatic 5S rRNA templates. <i>Biochemistry</i> , 1998 , 37, 7077-82	3.2	25
39	Reconstitution of chromatin complexes from high-performance liquid chromatography-purified histones. <i>Methods</i> , 1998 , 15, 333-42	4.6	31
38	Transcriptionally active <i>Xenopus laevis</i> somatic 5 S ribosomal RNA genes are packaged with hyperacetylated histone H4, whereas transcriptionally silent oocyte genes are not. <i>Journal of Biological Chemistry</i> , 1998 , 273, 20693-6	5.4	28
37	Folding of chromatin in the presence of heterogeneous histone H1 binding to nucleosomes. <i>Journal of Biological Chemistry</i> , 1998 , 273, 11625-9	5.4	21
36	Persistent interactions of core histone tails with nucleosomal DNA following acetylation and transcription factor binding. <i>Molecular and Cellular Biology</i> , 1998 , 18, 6293-304	4.8	120
35	Relationship between chromatin high-order folding and nucleosomal linker twist in nuclei of human HeLa s3 cells. <i>Journal of Biomolecular Structure and Dynamics</i> , 1997 , 14, 641-9	3.6	4
34	Reconstitution of native-like nucleosome core particles from reversed-phase-HPLC-fractionated histones. <i>Biochemical Journal</i> , 1997 , 328 (Pt 2), 409-14	3.8	9
33	Major role of the histones H3-H4 in the folding of the chromatin fiber. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 230, 136-9	3.4	65
32	Histone H1 variants as sperm-specific nuclear proteins of <i>Rana catesbeiana</i> , and their role in maintaining a unique condensed state of sperm chromatin. <i>Molecular Reproduction and Development</i> , 1997 , 47, 181-90	2.6	16
31	Sperm nuclear basic proteins (SNBPs) of agnathans and chondrichthyans: variability and evolution of sperm proteins in fish. <i>Journal of Molecular Evolution</i> , 1997 , 44, 422-31	3.1	24
30	The sperm nuclear basic proteins (SNBPs) of the sponge <i>Neofibularia nolitangere</i> : implications for the molecular evolution of SNBPs. <i>Journal of Molecular Evolution</i> , 1997 , 45, 91-6	3.1	23
29	Modulation of the higher-order folding of chromatin by deletion of histone H3 and H4 terminal domains. <i>Biochemical Journal</i> , 1996 , 316 (Pt 2), 395-400	3.8	32
28	Replacement of nucleosomal histones by histone H1-like proteins during spermiogenesis in Cnidaria: Evolutionary implications. <i>Journal of Molecular Evolution</i> , 1996 , 42, 240-246	3.1	25
27	Modulation of chromatin folding by histone acetylation. <i>Journal of Biological Chemistry</i> , 1995 , 270, 17923-8	3.4	234
26	Nucleoplasmin-mediated decondensation of <i>Mytilus</i> sperm chromatin. Identification and partial characterization of a nucleoplasmin-like protein with sperm-nuclei decondensing activity in <i>Mytilus californianus</i> . <i>Biochemistry</i> , 1995 , 34, 7563-8	3.2	30
25	Two highly specialized histone H1 proteins are the major chromosomal proteins of the sperm of the sea anemone <i>Urticina (Tealia) crassicornis</i> . <i>Biochemistry</i> , 1995 , 34, 15704-12	3.2	18
24	Complete sequence and characterization of the major sperm nuclear basic protein from <i>Mytilus trossulus</i> . <i>FEBS Letters</i> , 1995 , 363, 37-40	3.8	17
23	On the evolution of protamines in bony fish: alternatives to the "retroviral horizontal transmission" hypothesis. <i>Journal of Molecular Evolution</i> , 1994 , 39, 282-95	3.1	56

22	Physical and chemical characterization of the oligomerization state of the <i>Aeromonas hydrophila</i> lipase/acyltransferase. <i>FEBS Letters</i> , 1993 , 333, 296-300	3.8	6
21	Chromatin dynamics and the modulation of genetic activity. <i>Trends in Biochemical Sciences</i> , 1992 , 17, 187-91	10.3	62
20	Presence of a highly specific histone H1-like protein in the chromatin of the sperm of the bivalve mollusks. <i>Molecular and Cellular Biochemistry</i> , 1992 , 115, 163-72	4.2	31
19	Microheterogeneity and interspecific variability of the nuclear sperm proteins from <i>Mytilus</i> . <i>FEBS Letters</i> , 1991 , 282, 273-6	3.8	7
18	Analysis of the changes in the structure and hydration of the nucleosome core particle at moderate ionic strengths. <i>Biochemistry</i> , 1990 , 29, 10710-6	3.2	16
17	One-step fractionation method for isolating H1 histones from chromatin under nondenaturing conditions. <i>Protein Expression and Purification</i> , 1990 , 1, 40-4	2	32
16	Sequence and characterization of the sperm-specific protein phi 3 from <i>Mytilus californianus</i> . <i>FEBS Journal</i> , 1989 , 182, 569-76		14
15	Homogeneous reconstituted oligonucleosomes, evidence for salt-dependent folding in the absence of histone H1. <i>Biochemistry</i> , 1989 , 28, 9129-36	3.2	216
14	Use of selectively trypsinized nucleosome core particles to analyze the role of the histone "tails" in the stabilization of the nucleosome. <i>Journal of Molecular Biology</i> , 1989 , 206, 451-63	6.5	308
13	Highly cooperative binding to DNA by a histone-like, sperm-specific protein from <i>Spisula solidissima</i> . <i>Biopolymers</i> , 1988 , 27, 1459-77	2.2	9
12	Transition of chromatin from the "10 nm" lower order structure, to the "30 nm" higher order structure as followed by small angle X-ray scattering. <i>Journal of Molecular Biology</i> , 1987 , 193, 709-21	6.5	40
11	Structural characterization of the trypsin-resistant core in the nuclear sperm-specific protein from <i>Spisula solidissima</i> . <i>Biochemistry</i> , 1987 , 26, 975-82	3.2	46
10	Biochemical and physicochemical characterization of chromatin fractions with different degrees of solubility isolated from chicken erythrocyte nuclei. <i>Biochemistry</i> , 1986 , 25, 1981-8	3.2	30
9	Histone hyperacetylation: its effects on nucleosome conformation and stability. <i>Biochemistry</i> , 1986 , 25, 1421-8	3.2	205
8	Nucleosome core particle structure and structural changes in solution. <i>Journal of Molecular Biology</i> , 1985 , 186, 167-73	6.5	30
7	Characterization of the fluorescence of the protamine thynnine and studies of binding to double-stranded DNA. <i>Biopolymers</i> , 1984 , 23, 2559-71	2.2	23
6	Interaction and conformational changes of chromatin with divalent ions. <i>Nucleic Acids Research</i> , 1984 , 12, 3089-96	20.1	56
5	Interaction of chromatin with NaCl and MgCl ₂ . Solubility and binding studies, transition to and characterization of the higher-order structure. <i>Journal of Molecular Biology</i> , 1984 , 177, 373-98	6.5	102

4	Nucleosome core particle stability and conformational change. Effect of temperature, particle and NaCl concentrations, and crosslinking of histone H3 sulfhydryl groups. <i>Journal of Molecular Biology</i> , 1984 , 176, 77-104	6.5	107
3	Structural heterogeneity of reconstituted complexes of DNA with typical and intermediate protamines. <i>Biophysical Chemistry</i> , 1983 , 18, 257-67	3.5	13
2	DNA Conformation and Folding: From Solution to the Higher Order Structure of Chromatin 1983 , 89-100		3
1	Nuclear proteins and the organization of chromatin in spermatozoa of <i>Mytilus edulis</i> . <i>Experimental Cell Research</i> , 1982 , 141, 39-45	4.2	38