

Juan Ausi

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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	Intrinsically disordered protein. <i>Journal of Molecular Graphics and Modelling</i> , 2001 , 19, 26-59	2.8	1747
200	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
199	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
198	Modulation of chromatin folding by histone acetylation. <i>Journal of Biological Chemistry</i> , 1995 , 270, 17923-8	3.8	234
197	A unified phylogeny-based nomenclature for histone variants. <i>Epigenetics and Chromatin</i> , 2012 , 5, 7	5.8	227
196	Homogeneous reconstituted oligonucleosomes, evidence for salt-dependent folding in the absence of histone H1. <i>Biochemistry</i> , 1989 , 28, 9129-36	3.2	216
195	Histone hyperacetylation: its effects on nucleosome conformation and stability. <i>Biochemistry</i> , 1986 , 25, 1421-8	3.2	205
194	Origin of H1 linker histones. <i>FASEB Journal</i> , 2001 , 15, 34-42	0.9	164
193	New insights into the nucleophosmin/nucleoplasmin family of nuclear chaperones. <i>BioEssays</i> , 2007 , 29, 49-59	4.1	150
192	Chromatin States in Mouse Sperm Correlate with Embryonic and Adult Regulatory Landscapes. <i>Cell Reports</i> , 2017 , 18, 1366-1382	10.6	147
191	A walk through vertebrate and invertebrate protamines. <i>Chromosoma</i> , 2003 , 111, 473-82	2.8	145
190	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
189	Histone variants--the structure behind the function. <i>Briefings in Functional Genomics & Proteomics</i> , 2006 , 5, 228-43		123
188	Histone ubiquitination: a tagging tail unfolds?. <i>BioEssays</i> , 2002 , 24, 166-74	4.1	123
187	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
186	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
185	Histone variant H2ABbd confers lower stability to the nucleosome. <i>EMBO Reports</i> , 2004 , 5, 715-20	6.5	114

184	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
183	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
182	The anthracycline antibiotics: antitumor drugs that alter chromatin structure. <i>BioEssays</i> , 2005 , 27, 50-6	4.1	98
181	Histone H1 and evolution of sperm nuclear basic proteins. <i>Journal of Biological Chemistry</i> , 1999 , 274, 31115-8	5.4	86
180	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
179	Syndromes of disordered chromatin remodeling. <i>Clinical Genetics</i> , 2003 , 64, 83-95	4	74
178	H2A.Z and H3.3 histone variants affect nucleosome structure: biochemical and biophysical studies. <i>Biochemistry</i> , 2009 , 48, 10852-7	3.2	73
177	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
176	Characterization of the histone H2A.Z-1 and H2A.Z-2 isoforms in vertebrates. <i>BMC Biology</i> , 2009 , 7, 86	7.3	72
175	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
174	Acetylation of vertebrate H2A.Z and its effect on the structure of the nucleosome. <i>Biochemistry</i> , 2009 , 48, 5007-17	3.2	69
173	MeCP2: the long trip from a chromatin protein to neurological disorders. <i>Trends in Molecular Medicine</i> , 2014 , 20, 487-98	11.5	68
172	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
171	A haploid affair: core histone transitions during spermatogenesis. <i>Biochemistry and Cell Biology</i> , 2003 , 81, 131-40	3.6	63
170	Origin and evolution of chromosomal sperm proteins. <i>BioEssays</i> , 2009 , 31, 1062-70	4.1	62
169	Chromatin dynamics and the modulation of genetic activity. <i>Trends in Biochemical Sciences</i> , 1992 , 17, 187-91	10.3	62
168	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
167	H2A.Bbd: an X-chromosome-encoded histone involved in mammalian spermiogenesis. <i>Nucleic Acids Research</i> , 2010 , 38, 1780-9	20.1	60

166	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
165	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
164	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
163	Interaction and conformational changes of chromatin with divalent ions. <i>Nucleic Acids Research</i> , 1984 , 12, 3089-96	20.1	56
162	Characterization of nucleosomes consisting of the human testis/sperm-specific histone H2B variant (hTSH2B). <i>Biochemistry</i> , 2005 , 44, 2529-35	3.2	55
161	Histone variants and histone modifications: A structural perspective. <i>Biochemistry and Cell Biology</i> , 2001 , 79, 693-708	3.6	53
160	Protamines, in the footsteps of linker histone evolution. <i>Journal of Biological Chemistry</i> , 2006 , 281, 1-4	5.4	52
159	sNASP, a histone H1-specific eukaryotic chaperone dimer that facilitates chromatin assembly. <i>Biophysical Journal</i> , 2008 , 95, 1314-25	2.9	49
158	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
157	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
156	H2AX: tailoring histone H2A for chromatin-dependent genomic integrity. <i>Biochemistry and Cell Biology</i> , 2005 , 83, 505-15	3.6	47
155	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
154	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
153	Quickly evolving histones, nucleosome stability and chromatin folding: all about histone H2A.Bbd. <i>Gene</i> , 2008 , 413, 1-7	3.8	45
152	Structural characterization of macroH2A containing chromatin. <i>Biochemistry</i> , 2004 , 43, 1352-9	3.2	44
151	Nucleoplasmin: a nuclear chaperone. <i>Biochemistry and Cell Biology</i> , 2004 , 82, 437-45	3.6	44
150	Interaction of nucleoplasmin with core histones. <i>Journal of Biological Chemistry</i> , 2003 , 278, 31319-24	5.4	42
149	Daunomycin-induced unfolding and aggregation of chromatin. <i>Journal of Biological Chemistry</i> , 1999 , 274, 18401-6	5.4	42

148	Long-range histone acetylation: biological significance, structural implications, and mechanisms. <i>Biochemistry and Cell Biology</i> , 2006 , 84, 518-27	3.6	41
147	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
146	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
145	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
144	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
143	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
142	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
141	Protamines: structural complexity, evolution and chromatin patterning. <i>Protein and Peptide Letters</i> , 2011 , 18, 755-71	1.9	36
140	Vertebrate nucleoplasmin and NASP: egg histone storage proteins with multiple chaperone activities. <i>FASEB Journal</i> , 2012 , 26, 4788-804	0.9	35
139	Analytical ultracentrifugation and the characterization of chromatin structure. <i>Biophysical Chemistry</i> , 2000 , 86, 141-53	3.5	35
138	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
137	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
136	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
135	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
134	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
133	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
132	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
131	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

130	Paternal contribution to development: Sperm genetic damage and repair in fish. <i>Aquaculture</i> , 2017 , 472, 45-59	4.4	31
129	The elusive structural role of ubiquitinated histones. <i>Biochemistry and Cell Biology</i> , 2002 , 80, 311-9	3.6	31
128	Reconstitution of chromatin complexes from high-performance liquid chromatography-purified histones. <i>Methods</i> , 1998 , 15, 333-42	4.6	31
127	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
126	Magnesium-dependent association and folding of oligonucleosomes reconstituted with ubiquitinated H2A. <i>Journal of Biological Chemistry</i> , 2001 , 276, 14597-601	5.4	30
125	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
124	Nucleosome core particle structure and structural changes in solution. <i>Journal of Molecular Biology</i> , 1985 , 186, 167-73	6.5	30
123	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
122	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
121	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
120	Protamine-like proteins: evidence for a novel chromatin structure. <i>Biochemistry and Cell Biology</i> , 2002 , 80, 353-61	3.6	29
119	MeCP2 and the enigmatic organization of brain chromatin. Implications for depression and cocaine addiction. <i>Clinical Epigenetics</i> , 2016 , 8, 58	7.7	29
118	A novel histone H4 variant H4G regulates rDNA transcription in breast cancer. <i>Nucleic Acids Research</i> , 2019 , 47, 8399-8409	20.1	29
117	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
116	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
115	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
114	<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
113	Long-Term Evolution of Histone Families: Old Notions and New Insights into Their Mechanisms of Diversification Across Eukaryotes 2009 , 139-162		27

112	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
111	Nucleoplasmin interaction with protamines. Involvement of the polyglutamic tract. <i>Biochemistry</i> , 2002 , 41, 7802-10	3.2	27
110	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
109	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
108	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
107	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
106	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
105	Nucleoplasmin binds histone H2A-H2B dimers through its distal face. <i>Journal of Biological Chemistry</i> , 2010 , 285, 33771-8	5.4	24
104	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
103	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
102	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
101	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
100	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
99	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
98	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
97	Nucleoplasmin-mediated unfolding of chromatin involves the displacement of linker-associated chromatin proteins. <i>Biochemistry</i> , 2005 , 44, 8274-81	3.2	23
96	Are linker histones (histone H1) dispensable for survival?. <i>BioEssays</i> , 2000 , 22, 873-7	4.1	23
95	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

94	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
93	Comparative structure of vertebrate sperm chromatin. <i>Journal of Structural Biology</i> , 2014 , 188, 142-55	3.4	21
92	The Structural Determinants behind the Epigenetic Role of Histone Variants. <i>Genes</i> , 2015 , 6, 685-713	4.2	21
91	Histone H2A.Z deregulation in prostate cancer. Cause or effect?. <i>Cancer and Metastasis Reviews</i> , 2014 , 33, 429-39	9.6	21
90	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
89	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
88	Acetylation of histone H4 in complex structural transitions of spermiogenic chromatin. <i>Journal of Cellular Biochemistry</i> , 2007 , 102, 1432-41	4.7	20
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	Two highly specialized histone H1 proteins are the major chromosomal proteins of the sperm of the sea anemone <i>Urticina</i> (<i>Tealia</i>) <i>crassicornis</i> . <i>Biochemistry</i> , 1995 , 34, 15704-12	3.2	18
79	Circadian cycle-dependent MeCP2 and brain chromatin changes. <i>PLoS ONE</i> , 2015 , 10, e0123693	3.7	17
78	Mutation of the small acidic tract A1 drastically reduces nucleoplasmin activity. <i>FEBS Letters</i> , 2004 , 576, 353-7	3.8	17
77	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

76	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
75	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
74	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
73	Sperm nuclear basic proteins of two closely related species of Scorpaeniform fish (<i>Sebastes maliger</i> , <i>Sebastolobus</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
72	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
71	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
70	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
69	MeCP2: The Genetic Driver of Rett Syndrome Epigenetics. <i>Frontiers in Genetics</i> , 2021 , 12, 620859	4.5	16
68	Histone variants and histone modifications: a structural perspective. <i>Biochemistry and Cell Biology</i> , 2001 , 79, 693-708	3.6	15
67	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
66	Sequence and characterization of the sperm-specific protein phi 3 from <i>Mytilus californianus</i> . <i>FEBS Journal</i> , 1989 , 182, 569-76		14
65	Boule and the Evolutionary Origin of Metazoan Gametogenesis: A Grandpa's Tale. <i>International Journal of Evolutionary Biology</i> , 2011 , 2011, 972457		13
64	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
63	PL-I of <i>Spisula solidissima</i> , a highly elongated sperm-specific histone H1. <i>Biochemistry</i> , 2004 , 43, 7766-75	3.2	13
62	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
61	Structural heterogeneity of reconstituted complexes of DNA with typical and intermediate protamines. <i>Biophysical Chemistry</i> , 1983 , 18, 257-67	3.5	13
60	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
59	Histones are the major chromosomal protein components of the sperm of the nemertean <i>Cerebratulus californiensis</i> and <i>Cerebratulus lacteus</i> . <i>The Journal of Experimental Zoology</i> , 2001 , 290, 431-6		12

58	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
57	Nucleosome stability measured in situ by automated quantitative imaging. <i>Scientific Reports</i> , 2017 , 7, 12734	4.9	11
56	The role of histone variability in chromatin stability and folding. <i>New Comprehensive Biochemistry</i> , 2004 , 39, 241-290		11
55	Role of MeCP2 in neurological disorders: current status and future perspectives. <i>Epigenomics</i> , 2018 , 10, 5-8	4.4	11
54	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
53	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
52	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
51	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 ³¹		10
50	Cysteine-containing histone H1-like (PL-I) proteins of sperm. <i>Molecular Reproduction and Development</i> , 1999 , 54, 402-9	2.6	10
49	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
48	Metformin alters H2A.Z dynamics and regulates androgen dependent prostate cancer progression. <i>Oncotarget</i> , 2018 , 9, 37054-37068	3.3	10
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