

Fernando Azorin

List of Publications by Year in descending order

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147801

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48
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97
all docs

97
docs citations

97
times ranked

2624
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure of a DNA Holliday junction. <i>Nature Structural Biology</i> , 1999, 6, 913-917.	9.7	196
2	Isolation of <i>Drosophila</i> proteins that bind selectively to left-handed Z-DNA.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1982, 79, 7729-7733.	7.1	122
3	Proteolysis restricts localization of CID, the centromere-specific histone H3 variant of <i>Drosophila</i> , to centromeres. <i>Nucleic Acids Research</i> , 2006, 34, 6247-6255.	14.5	117
4	The N-terminal POZ Domain of GAGA Mediates the Formation of Oligomers That Bind DNA with High Affinity and Specificity. <i>Journal of Biological Chemistry</i> , 1999, 274, 16461-16469.	3.4	95
5	RNA Is an Integral Component of Chromatin that Contributes to Its Structural Organization. <i>PLoS ONE</i> , 2007, 2, e1182.	2.5	94
6	The Embryonic Linker Histone H1 Variant of <i>Drosophila</i> , dBigH1, Regulates Zygotic Genome Activation. <i>Developmental Cell</i> , 2013, 26, 578-590.	7.0	91
7	Isolation of Z-DNA binding proteins from SV40 minichromosomes: evidence for binding to the viral control region. <i>Cell</i> , 1985, 41, 365-374.	28.9	77
8	Benzyl Derivatives of 2,1,3-Benzo- and Benzothieno[3,2-a]thiadiazine 2,2-Dioxides: First Phosphodiesterase 7 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 683-689.	6.4	74
9	DDP1, a single-stranded nucleic acid-binding protein of <i>Drosophila</i> , associates with pericentric heterochromatin and is functionally homologous to the yeast Scp160p, which is involved in the control of cell ploidy. <i>EMBO Journal</i> , 1999, 18, 3820-3833.	7.8	68
10	DNA-sequence and metal-ion specificity of the formation of ³ H-DNA. <i>Nucleic Acids Research</i> , 1990, 18, 4067-4067.	14.5	64
11	Linker histone H1 prevents R-loop accumulation and genome instability in heterochromatin. <i>Nature Communications</i> , 2017, 8, 283.	12.8	64
12	<i>Drosophila</i> HP1c isoform interacts with the zinc-finger proteins WOC and Relative-of-WOC to regulate gene expression. <i>Genes and Development</i> , 2008, 22, 3007-3023.	5.9	62
13	The F Box Protein Partner of Paired Regulates Stability of <i>Drosophila</i> Centromeric Histone H3, CenH3CID. <i>Current Biology</i> , 2011, 21, 1488-1493.	3.9	60
14	The GAGA factor of <i>Drosophila</i> interacts with SAP18, a Sin3-associated polypeptide. <i>EMBO Reports</i> , 2000, 1, 253-259.	4.5	58
15	Characterization of <i>Drosophila melanogaster</i> JmjC+N histone demethylases. <i>Nucleic Acids Research</i> , 2008, 36, 2852-2863.	14.5	58
16	Formation of Triple-stranded DNA at d(GA·TC) Sequences Prevents Nucleosome Assembly and Is Hindered by Nucleosomes. <i>Journal of Biological Chemistry</i> , 1996, 271, 31807-31812.	3.4	51
17	Focus on the centre: the role of chromatin on the regulation of centromere identity and function. <i>EMBO Journal</i> , 2009, 28, 2337-2348.	7.8	51
18	<i>Drosophila melanogaster</i> linker histone dH1 is required for transposon silencing and to preserve genome integrity. <i>Nucleic Acids Research</i> , 2012, 40, 5402-5414.	14.5	51

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19	Centromeric dodeca-satellite DNA sequences form fold-back structures. <i>Journal of Molecular Biology</i> , 1995, 245, 8-21.	4.2	48
20	dKDM5/LID regulates H3K4me3 dynamics at the transcription-start site (TSS) of actively transcribed developmental genes. <i>Nucleic Acids Research</i> , 2012, 40, 9493-9505.	14.5	47
21	Drosophila DDP1, a Multi-KH-Domain Protein, Contributes to Centromeric Silencing and Chromosome Segregation. <i>Current Biology</i> , 2004, 14, 1611-1620.	3.9	45
22	The Drosophila transcription factor tramtrack (TTK) interacts with Trithorax-like (GAGA) and represses GAGA-mediated activation. <i>Nucleic Acids Research</i> , 2002, 30, 4406-4413.	14.5	44
23	Condensation of DNA by the C-terminal domain of histone H1 A circular dichroism study. <i>Biophysical Chemistry</i> , 1985, 22, 125-129.	2.8	42
24	Structural organization of sperm chromatin from the fish <i>Carassius auratus</i> . <i>Experimental Cell Research</i> , 1982, 137, 47-53.	2.6	41
25	The GAGA Factor of Drosophila Binds Triple-stranded DNA. <i>Journal of Biological Chemistry</i> , 1998, 273, 24640-24648.	3.4	41
26	Properties of triple helices formed by parallel-stranded hairpins containing 8-aminopurines. <i>Nucleic Acids Research</i> , 2002, 30, 2609-2619.	14.5	39
27	DDP1, a Heterochromatin-Associated Multi-KH-Domain Protein of Drosophila melanogaster, Interacts Specifically with Centromeric Satellite DNA Sequences. <i>Molecular and Cellular Biology</i> , 2000, 20, 3860-3869.	2.3	38
28	Combined bottom-up and top-down mass spectrometry analyses of the pattern of post-translational modifications of Drosophila melanogaster linker histone H1. <i>Journal of Proteomics</i> , 2012, 75, 4124-4138.	2.4	38
29	Through-bond correlation of adenine H2 and H8 protons in unlabeled DNA fragments by HMBC spectroscopy. <i>Journal of Biomolecular NMR</i> , 1996, 8, 207-212.	2.8	35
30	Characterization of new regulatory elements within the Drosophila bithorax complex. <i>Nucleic Acids Research</i> , 2008, 36, 6926-6933.	14.5	35
31	Structural Polymorphism of Homopurine DNA Sequences. d(GGA) _n and d(CGGA) _n Repeats Form Intramolecular Hairpins Stabilized by Different Base-Pairing Interactions. <i>Biochemistry</i> , 1996, 35, 13125-13135.	2.5	32
32	Functional Mapping of the GAGA Factor Assigns Its Transcriptional Activity to the C-terminal Glutamine-rich Domain. <i>Journal of Biological Chemistry</i> , 2000, 275, 19461-19468.	3.4	32
33	Structural Polymorphism of d(GA-TC) _n DNA Sequences. <i>Journal of Molecular Biology</i> , 1993, 233, 671-681.	4.2	31
34	Characterization of the Zinc-induced Structural Transition to ³ H-DNA at a d(GA-CT) ₂₂ Sequence. <i>Journal of Molecular Biology</i> , 1993, 230, 966-978.	4.2	30
35	The effect of zinc on the secondary structure of d(GA-TC) _n DNA sequences of different length: a model for the formation ³ H-DNA. <i>Nucleic Acids Research</i> , 1993, 21, 2557-2562.	14.5	30
36	Organization of nucleosomes and spacer DNA in chromatin fibres. <i>International Journal of Biological Macromolecules</i> , 1980, 2, 81-92.	7.5	29

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37	Stabilization and Detection of Natural Left-Handed Z-DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , 1983, 1, 1-19.	3.5	27
38	Divalent Zinc Cations Induce the Formation of Two Distinct Homoduplexes of a d(GA) ₂₀ DNA Sequence. <i>Biochemistry</i> , 1995, 34, 14408-14415.	2.5	27
39	Germline-specific H1 variants: the "sexy" linker histones. <i>Chromosoma</i> , 2016, 125, 1-13.	2.2	27
40	TBP binds the transcriptionally inactive TA5 sequence but the resulting complex is not efficiently recognised by TFIIB and TFIIA. <i>Nucleic Acids Research</i> , 1996, 24, 2950-2958.	14.5	25
41	Supranucleosomal organization of chromatin. <i>Chromosoma</i> , 1982, 85, 251-260.	2.2	24
42	Interaction of DNA with lysine-rich polypeptides and proteins. <i>Journal of Molecular Biology</i> , 1985, 185, 371-387.	4.2	23
43	Tandem 5'-GA:GA-3' mismatches account for the high stability of the fold-back structures formed by the centromeric <i>Drosophila</i> dodeca-satellite 1 Edited by I. Tinoco. <i>Journal of Molecular Biology</i> , 1998, 277, 757-762.	4.2	23
44	d(GA) _n (TC) _n microsatellite DNA sequences enhance homologous DNA recombination in SV40 minichromosomes. <i>Nucleic Acids Research</i> , 2000, 28, 4617-4622.	14.5	22
45	A new ionizable chromophore of 1,4-bis(alkylamino)benzo[g]phthalazine which interacts with DNA by intercalation. <i>Journal of Medicinal Chemistry</i> , 1991, 34, 82-86.	6.4	21
46	Functional characterization of the human phosphodiesterase 7A1 promoter. <i>Biochemical Journal</i> , 2003, 373, 835-843.	3.7	21
47	dDsk2 regulates H2Bub1 and RNA polymerase II pausing at dHP1c complex target genes. <i>Nature Communications</i> , 2015, 6, 7049.	12.8	21
48	The fission yeast homologue of CENP-B, Abp1, regulates directionality of mating-type switching. <i>EMBO Journal</i> , 2008, 27, 1029-1038.	7.8	20
49	The Germline Linker Histone dBigH1 and the Translational Regulator Bam Form a Repressor Loop Essential for Male Germ Stem Cell Differentiation. <i>Cell Reports</i> , 2017, 21, 3178-3189.	6.4	19
50	Supercoiled induced transition to the Z-DNA conformation affects the ability of a d(CG/GC) ₁₂ sequence to be organized into nucleosome-cores. <i>Nucleic Acids Research</i> , 1987, 15, 8899-8918.	14.5	18
51	Repression by TTK69 of GAGA-mediated Activation Occurs in the Absence of TTK69 Binding to DNA and Solely Requires the Contribution of the POZ/BTB Domain of TTK69. <i>Journal of Biological Chemistry</i> , 2004, 279, 9725-9732.	3.4	18
52	Histone H1: Lessons from <i>Drosophila</i> . <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 526-532.	1.9	18
53	In vivo assessment of the Z-DNA-forming potential of d(CA · GT) _n and d(CG · GC) _n sequences cloned into SV40 minichromosomes. <i>Journal of Molecular Biology</i> , 1989, 208, 537-549.	4.2	17
54	A fraction of barrier-to-autointegration factor (BAF) associates with centromeres and controls mitosis progression. <i>Communications Biology</i> , 2020, 3, 454.	4.4	17

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55	Aggregation of mono- and dinucleosomes into chromatin-like fibers. <i>Chromosoma</i> , 1982, 87, 437-445.	2.2	16
56	The GAGA Protein of <i>Drosophila</i> is Phosphorylated by CK2. <i>Journal of Molecular Biology</i> , 2005, 351, 562-572.	4.2	16
57	The obtention of simian virus 40 recombinants carrying d(CG . GC) _n , d(CA . CT) _n and d(CT . GA) _n sequences. Stability of the inserted simple repeating sequences. <i>FEBS Journal</i> , 1987, 167, 489-492.	0.2	15
58	Structural characterization of intrinsically curved AT-rich DNA sequences. <i>Nucleic Acids Research</i> , 1994, 22, 3671-3680.	14.5	15
59	Zinc(II) ions selectively interact with DNA sequences present at the TFIIIA binding site of the <i>Xenopus</i> 5S-RNA gene. <i>Nucleic Acids Research</i> , 1995, 23, 2464-2471.	14.5	15
60	The Multi-KH Domain Protein of <i>Saccharomyces cerevisiae</i> Scp160p Contributes to the Regulation of Telomeric Silencing. <i>Journal of Biological Chemistry</i> , 2006, 281, 18227-18235.	3.4	15
61	Heterogeneity of the histone-containing chromatin in sea cucumber spermatozoa. <i>Experimental Cell Research</i> , 1983, 148, 331-344.	2.6	14
62	Identification of sequence elements contributing to the intrinsic curvature of the mouse satellite DNA repeat. <i>Nucleic Acids Research</i> , 1991, 19, 5639-5644.	14.5	14
63	SV40 recombinants carrying a d(CT A GA) ₂₂ sequence show increased genomic instability. <i>Gene</i> , 1991, 108, 269-274.	2.2	13
64	<i>Drosophila</i> dSAP18 is a nuclear protein that associates with chromosomes and the nuclear matrix, and interacts with pinin, a protein factor involved in RNA splicing. <i>Chromosome Research</i> , 2006, 14, 515-526.	2.2	13
65	<i>Drosophila</i> vigilin, DDP1, localises to the cytoplasm and associates to the rough endoplasmic reticulum. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 46-55.	1.9	13
66	The identification of nuclear proteins that bind the homopyrimidine strand of d(GATC) _n DNA sequences, but not the homopurine strand. <i>Nucleic Acids Research</i> , 1999, 27, 3267-3275.	14.5	12
67	dSAP18 and dHDAC1 contribute to the functional regulation of the <i>Drosophila</i> Fab-7 element. <i>Nucleic Acids Research</i> , 2005, 33, 4857-4864.	14.5	12
68	The <i>Drosophila</i> histone demethylase dKDM5/LID regulates hematopoietic development. <i>Developmental Biology</i> , 2015, 405, 260-268.	2.0	12
69	The E3-ligases SCFPpa and APC/CCdh1 co-operate to regulate CENP-ACID expression across the cell cycle. <i>Nucleic Acids Research</i> , 2019, 47, 3395-3406.	14.5	12
70	A Conserved Arginine-Rich Motif within the Hypervariable N-Domain of <i>Drosophila</i> Centromeric Histone H3 (CenH3CID) Mediates BubR1 Recruitment. <i>PLoS ONE</i> , 2010, 5, e13747.	2.5	12
71	The formation of triple-stranded DNA prevents spontaneous branch-migration. <i>Journal of Molecular Biology</i> , 1999, 294, 851-857.	4.2	11
72	Detection and molecular cloning of highly repeated DNA in the sea cucumber sperm. <i>Gene</i> , 1989, 80, 57-64.	2.2	10

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73	Preparation of Oligonucleotides Containing 5-Bromouracil and 5-Methylcytidine.. Nucleosides & Nucleotides, 1996, 15, 907-921.	0.5	10
74	The embryonic linker histone dBigH1 alters the functional state of active chromatin. Nucleic Acids Research, 2020, 48, 4147-4160.	14.5	10
75	Large-scale analyses of the X chromosome in 2,354 infertile men discover recurrently affected genes associated with spermatogenic failure. American Journal of Human Genetics, 2022, 109, 1458-1471.	6.2	10
76	Influence of Elsamicin A on the Activity of Mammalian Topoisomerase I. Biochemistry, 1996, 35, 11177-11182.	2.5	9
77	Characterization of the Structural Conformation Adopted by (TTAGGG) _n Telomeric DNA Repeats of Different Length in Closed Circular DNA. Journal of Biomolecular Structure and Dynamics, 1994, 12, 79-90.	3.5	8
78	Anomalous nuclease digestion of Holothuria, sperm chromatin containing histone H1 variants. FEBS Journal, 1985, 148, 529-532.	0.2	7
79	Nuclease sensitivity of a maize HRGP gene in chromatin and in naked DNA. Plant Science, 1991, 78, 225-230.	3.6	7
80	The interaction of the histone H1-related protein H1 with chromatin. Biophysical Chemistry, 1987, 28, 51-57.	2.8	6
81	Intramolecular TAT triplex in (dA) ₅₈ .(dT) ₅₈ . Influence of ions. Journal of Biomolecular Structure and Dynamics, 1995, 13, 29-46.	3.5	6
82	chroGPS, a global chromatin positioning system for the functional analysis and visualization of the epigenome. Nucleic Acids Research, 2014, 42, 2126-2137.	14.5	6
83	Solid-state conformation of some basic sequential polypeptides. Biopolymers, 1985, 24, 1801-1808.	2.4	5
84	The Interaction of Zinc(II) Ions with Antiparallel-Stranded d(GA) _n DNA Homoduplexes. Journal of Biomolecular Structure and Dynamics, 1998, 16, 243-251.	3.5	5
85	The fission yeast CENP-B protein Abp1 prevents pervasive transcription of repetitive DNA elements. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 1314-1321.	1.9	5
86	The zinc-finger proteins WOC and ROW play distinct functions within the HP1c transcription complex. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194492.	1.9	5
87	Analysing the contribution of nucleic acids to the structure and properties of centric heterochromatin. Genetica, 2003, 117, 117-125.	1.1	4
88	Variations on a nucleosome theme: The structural basis of centromere function. BioEssays, 2017, 39, 1600241.	2.5	4
89	Structural organization of calf thymus chromatin depleted of histone H1 by acidic treatment. FEBS Letters, 1981, 133, 67-71.	2.8	3
90	Telomeric interactions result in the formation of intramolecular circles behaving as topologically constrained. Journal of Molecular Biology, 1998, 283, 1-7.	4.2	3

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91	Chromatin remodeling in <i>Drosophila</i> preblastodermic embryo extract. <i>Scientific Reports</i> , 2018, 8, 10927.	3.3	3
92	The Effect of the Simple Repeating d(CG.GC)n, d(CA.GT)n, and d(A.T)n DNA Sequences on the Nucleosomal Organization of SV40 Minichromosomes. <i>DNA and Cell Biology</i> , 1991, 10, 751-756.	1.9	2
93	The tumour suppressor brain tumour (Brat) regulates linker histone dBigH1 expression in the <i>Drosophila</i> female germline and the early embryo. <i>Open Biology</i> , 2021, 11, 200408.	3.6	2
94	Determination of the DNA conformation of the simian virus 40 (SV40) enhancer in SV40 minichromosomes. <i>FEBS Journal</i> , 1990, 188, 269-273.	0.2	1