David John Tremethick

List of Publications by Year
in descending order

61	5,943	94433 37	118850 62
papers	citations	h-index	g-index

67	67	67	5228
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Role of the Histone Variant H2A.Z in Metazoan Development. Journal of Developmental Biology, 2022, 10, 28.	1.7	7
2	Sequential Chromatin Immunoprecipitation to Identify Heterotypic Nucleosomes. Methods in Molecular Biology, 2021, 2351, 147-161.	0.9	1
3	Site-specific modification and segmental isotope labelling of HMGN1 reveals long-range conformational perturbations caused by posttranslational modifications. RSC Chemical Biology, 2021, 2, 537-550.	4.1	7
4	Multiple roles of H2A.Z in regulating promoter chromatin architecture in human cells. Nature Communications, 2021, 12, 2524.	12.8	22
5	H2A.B is a cancer/testis factor involved in the activation of ribosome biogenesis in Hodgkin lymphoma. EMBO Reports, 2021, 22, e52462.	4.5	8
6	Short Histone H2A Variants: Small in Stature but not in Function. Cells, 2020, 9, 867.	4.1	18
7	Gene editing of the multi-copy H2A.B gene and its importance for fertility. Genome Biology, 2019, 20, 23.	8.8	29
8	Long-range interactions between topologically associating domains shape the four-dimensional genome during differentiation. Nature Genetics, 2019, 51, 835-843.	21.4	114
9	RChIP-Seq: Chromatin-Associated RNA Sequencing in Developmentally Staged Mouse Testes. Methods in Molecular Biology, 2018, 1832, 169-184.	0.9	1
10	The interplay between H2A.Z and H3K9 methylation in regulating HP1Î± binding to linker histone-containing chromatin. Nucleic Acids Research, 2018, 46, 9353-9366.	14.5	40
11	POWERDRESS-mediated histone deacetylation is essential for thermomorphogenesis in Arabidopsis thaliana. PLoS Genetics, 2018, 14, e1007280.	3.5	99
12	The Histone Variant H2A.Z Is a Master Regulator of the Epithelial-Mesenchymal Transition. Cell Reports, 2017, 21, 943-952.	6.4	45
13	A new link between transcriptional initiation and pre-mRNA splicing: The RNA binding histone variant H2A.B. PLoS Genetics, 2017, 13, e1006633.	3.5	42
14	SLY regulates genes involved in chromatin remodeling and interacts with TBL1XR1 during sperm differentiation. Cell Death and Differentiation, 2017, 24, 1029-1044.	11.2	39
15	A dual affinity-tag strategy for the expression and purification of human linker histone H1.4 in Escherichia coli. Protein Expression and Purification, 2016, 120, 160-168.	1.3	7
16	Histone variants at the transcription start-site. Trends in Genetics, 2014, 30, 199-209.	6.7	55
17	Histone variant selectivity at the transcription start site: H2A.Z or H2A.Lap1. Nucleus, 2013, 4, 431-437.	2.2	24
18	Acetylation of H2A.Z is a key epigenetic modification associated with gene deregulation and epigenetic remodeling in cancer. Genome Research, 2012, 22, 307-321.	5.5	155

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19	Histone H2A.Z inheritance during the cell cycle and its impact on promoter organization and dynamics. Nature Structural and Molecular Biology, 2012, 19, 1076-1083.	8.2	97
20	A unique H2A histone variant occupies the transcriptional start site of active genes. Nature Structural and Molecular Biology, 2012, 19, 25-30.	8.2	91
21	A unified phylogeny-based nomenclature for histone variants. Epigenetics and Chromatin, 2012, 5, 7.	3.9	265
22	New insights into nucleosome and chromatin structure: an ordered state or a disordered affair?. Nature Reviews Molecular Cell Biology, 2012, 13, 436-447.	37.0	573
23	Interplay between chromatin remodeling and epigenetic changes during lineage-specific commitment to granzyme B expression. Journal of Immunology, 2010, 184, 1653-1653.	0.8	0
24	Dynamic Histone Variant Exchange Accompanies Gene Induction in T Cells. Molecular and Cellular Biology, 2009, 29, 1972-1986.	2.3	67
25	Interplay between Chromatin Remodeling and Epigenetic Changes during Lineage-Specific Commitment to Granzyme B Expression. Journal of Immunology, 2009, 183, 7063-7072.	0.8	40
26	Specific patterns of histone marks accompany X chromosome inactivation in a marsupial. Chromosome Research, 2009, 17, 115-26.	2.2	48
27	Gene knockdown by ecdysone-based inducible RNAi in stable mammalian cell lines. Nature Protocols, 2008, 3, 79-88.	12.0	22
28	Efficient gene delivery using reconstituted chromatin enhanced for nuclear targeting. FASEB Journal, 2008, 22, 2232-2242.	0.5	31
29	H2A.Z contributes to the unique 3D structure of the centromere. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 525-530.	7.1	153
30	Histone-mediated Transduction as an Efficient Means for Gene Delivery. Molecular Therapy, 2007, 15, 721-731.	8.2	62
31	Quantitative analysis of HP1Î± binding to nucleosomal arrays. Methods, 2007, 41, 286-290.	3.8	5
32	Higher-Order Structures of Chromatin: The Elusive 30 nm Fiber. Cell, 2007, 128, 651-654.	28.9	285
33	The nucleosome surface regulates chromatin compaction and couples it with transcriptional repression. Nature Structural and Molecular Biology, 2007, 14, 1070-1076.	8.2	174
34	Chromatin: the dynamic link between structure and function. Chromosome Research, 2006, 14, 1-4.	2.2	1
35	Inhibition of Arginase I Activity by RNA Interference Attenuates IL-13-Induced Airways Hyperresponsiveness. Journal of Immunology, 2006, 177, 5595-5603.	0.8	94
36	The X and Y Chromosomes Assemble into H2A.Z, Containing Facultative Heterochromatin, following Meiosis. Molecular and Cellular Biology, 2006, 26, 5394-5405.	2.3	111

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37	Cathepsin L Stabilizes the Histone Modification Landscape on the Y Chromosome and Pericentromeric Heterochromatin. Molecular and Cellular Biology, 2006, 26, 4172-4184.	2.3	41
38	The replacement histone H2A.Z in a hyperacetylated form is a feature of active genes in the chicken. Nucleic Acids Research, 2005, 33, 5633-5639.	14.5	150
39	A New Fluorescence Resonance Energy Transfer Approach Demonstrates That the Histone Variant H2AZ Stabilizes the Histone Octamer within the Nucleosome. Journal of Biological Chemistry, 2004, 279, 24274-24282.	3.4	193
40	Recruitment of SWI/SNF to the Human Immunodeficiency Virus Type 1 Promoter. Molecular and Cellular Biology, 2004, 24, 389-397.	2.3	79
41	Unique Residues on the H2A.Z Containing Nucleosome Surface Are Important for Xenopus laevis Development. Journal of Biological Chemistry, 2004, 279, 43815-43820.	3.4	77
42	Nucleosomes containing the histone variant H2A.Bbd organize only 118 base pairs of DNA. EMBO Journal, 2004, 23, 3314-3324.	7.8	181
43	RNA interference demonstrates a novel role for H2A.Z in chromosome segregation. Nature Structural and Molecular Biology, 2004, 11, 650-655.	8.2	205
44	Structural Characterization of Histone H2A Variants. Cold Spring Harbor Symposia on Quantitative Biology, 2004, 69, 227-234.	1.1	56
45	H2A.Z Alters the Nucleosome Surface to Promote HP1Î±-Mediated Chromatin Fiber Folding. Molecular Cell, 2004, 16, 655-661.	9.7	270
46	Pericentric heterochromatin becomes enriched with H2A.Z during early mammalian development. EMBO Journal, 2003, 22, 1599-1607.	7.8	202
47	Analysis of Histone Variant H2A.Z Localization and Expression during Early Development. Methods in Enzymology, 2003, 375, 239-252.	1.0	4
48	Evidence That the Coactivator CBP/p300 Is Important for Phenobarbital-Induced but Not Basal Expression of theCYP2H1Gene. Molecular Pharmacology, 2003, 63, 73-80.	2.3	2
49	The Human IL-2 Gene Promoter Can Assemble a Positioned Nucleosome That Becomes Remodeled Upon T Cell Activation. Journal of Immunology, 2002, 169, 2466-2476.	0.8	52
50	The essential histone variant H2A.Z regulates the equilibrium between different chromatin conformational states. Nature Structural Biology, 2002, 9, 172-6.	9.7	137
51	Histone variant H2A.Z is required for early mammalian development. Current Biology, 2001, 11, 1183-1187.	3.9	338
52	Crystal structure of a nucleosome core particle containing the variant histone H2A.Z. Nature Structural Biology, 2000, 7, 1121-1124.	9.7	459
53	Multiple ISWI ATPase Complexes from Xenopus laevis. Journal of Biological Chemistry, 2000, 275, 35248-35255.	3.4	67
54	High-Mobility-Group Protein I Can Modulate Binding of Transcription Factors to the U5 Region of the Human Immunodeficiency Virus Type 1 Proviral Promoter. Journal of Virology, 2000, 74, 10523-10534.	3.4	33

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55	Distinct importin recognition properties of histones and chromatin assembly factors. FEBS Letters, 2000, 467, 169-174.	2.8	34
56	Chromatin assembly in Xenopus extracts. Methods in Enzymology, 1999, 304, 50-63.	1.0	2
57	Regions of variant histone His2AvD required for Drosophila development. Nature, 1999, 399, 694-697.	27.8	187
58	The binding of a Fos/Jun heterodimer can completely disrupt the structure of a nucleosome. EMBO Journal, 1997, 16, 2072-2085.	7.8	78
59	High Mobility Group Proteins 14 and 17 Can Prevent the Close Packing of Nucleosomes by Increasing the Strength of Protein Contacts in the Linker DNA. Journal of Biological Chemistry, 1996, 271, 12009-12016.	3.4	24
60	Stimulation of transcription from different RNA polymerase II promoters by high mobility group proteins 1 and 2. FEBS Letters, 1989, 242, 346-350.	2.8	11
61	Effects of high mobility group proteins 1 and 2 on initiation and elongation of specific transcription by RNA polymerase IIin vitro. Nucleic Acids Research, 1988, 16, 11107-11123.	14.5	71