

Darrell Underhill

List of Publications by Year in descending order

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34
papers

2,192
citations

331670

21
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

3146
citing authors

#	ARTICLE	IF	CITATIONS
1	Ltap, a mammalian homolog of Drosophila Strabismus/Van Gogh, is altered in the mouse neural tube mutant Loop-tail. <i>Nature Genetics</i> , 2001, 28, 251-255.	21.4	451
2	Primary structure of human corticosteroid binding globulin, deduced from hepatic and pulmonary cDNAs, exhibits homology with serine protease inhibitors.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 5153-5157.	7.1	228
3	Condensed Chromatin Behaves like a Solid on the Mesoscale In Vitro and in Living Cells. <i>Cell</i> , 2020, 183, 1772-1784.e13.	28.9	186
4	Functional interactions between FOXC1 and PITX2 underlie the sensitivity to FOXC1 gene dose in Axenfeld-Rieger syndrome and anterior segment dysgenesis. <i>Human Molecular Genetics</i> , 2006, 15, 905-919.	2.9	137
5	The cDNA-deduced primary structure of human sex hormone-binding globulin and location of its steroid-binding domain. <i>FEBS Letters</i> , 1987, 215, 100-104.	2.8	114
6	Molecular studies of corticosteroid binding globulin structure, biosynthesis and function. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1991, 40, 755-762.	2.5	108
7	An Alternative Splicing Event in the Pax-3 Paired Domain Identifies the Linker Region as a Key Determinant of Paired Domain DNA-Binding Activity. <i>Molecular and Cellular Biology</i> , 1996, 16, 6677-6686.	2.3	100
8	The chemotherapeutic agent paclitaxel inhibits autophagy through two distinct mechanisms that regulate apoptosis. <i>Oncogene</i> , 2013, 32, 736-746.	5.9	98
9	Poly(ADP-ribosyl)ation-dependent Transient Chromatin Decondensation and Histone Displacement following Laser Microirradiation. <i>Journal of Biological Chemistry</i> , 2016, 291, 1789-1802.	3.4	80
10	Distinct dynamics and distribution of histone methyl-lysine derivatives in mouse development. <i>Developmental Biology</i> , 2004, 276, 337-351.	2.0	79
11	Dynamic Changes in Histone H3 Lysine 9 Methylations. <i>Journal of Biological Chemistry</i> , 2006, 281, 8888-8897.	3.4	72
12	Organization of the Human Corticosteroid Binding Globulin Gene and Analysis of Its 5'-Flanking Region. <i>Molecular Endocrinology</i> , 1989, 3, 1448-1454.	3.7	52
13	Analysis of the mouse Splootch-delayed mutation indicates that the Pax-3 paired domain can influence homeodomain DNA-binding activity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 3692-3696.	7.1	51
14	Identification of β -tubulin as a granzyme B substrate during CTL-mediated apoptosis. <i>Journal of Cell Science</i> , 2006, 119, 858-865.	2.0	50
15	The Paired-domain Regulates DNA Binding by the Homeodomain within the Intact Pax-3 Protein. <i>Journal of Biological Chemistry</i> , 1997, 272, 14175-14182.	3.4	46
16	Reciprocal Effect of Waardenburg Syndrome Mutations on DNA Binding by the Pax-3 Paired Domain and Homeodomain. <i>Human Molecular Genetics</i> , 1997, 6, 1781-1790.	2.9	44
17	Identification of a New Chemically Induced Allele (Lpm1Jus) at the Loop-Tail Locus: Morphology, Histology, and Genetic Mapping. <i>Genomics</i> , 2001, 72, 331-337.	2.9	44
18	Comparative Analyses of SUV420H1 Isoforms and SUV420H2 Reveal Differences in Their Cellular Localization and Effects on Myogenic Differentiation. <i>PLoS ONE</i> , 2010, 5, e14447.	2.5	31

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19	Helix 2 of the paired domain plays a key role in the regulation of DNA-binding by the Pax-3 homeodomain. <i>Nucleic Acids Research</i> , 1998, 26, 4574-4581.	14.5	29
20	The BH3-only protein Bad confers breast cancer taxane sensitivity through a nonapoptotic mechanism. <i>Oncogene</i> , 2010, 29, 5381-5391.	5.9	24
21	cis-Regulatory elements within the proximal promoter of the rat gene encoding corticosteroid-binding globulin. <i>Gene</i> , 1995, 162, 205-211.	2.2	23
22	Targeting Epigenetic Pathways in the Treatment of Pediatric Diffuse (High Grade) Gliomas. <i>Neurotherapeutics</i> , 2017, 14, 274-283.	4.4	21
23	Physical Delineation of a 700-kb Region Overlapping the Looptail Mutation on Mouse Chromosome 1. <i>Genomics</i> , 1999, 55, 185-193.	2.9	16
24	Pax3 target gene recognition occurs through distinct modes that are differentially affected by disease-associated mutations. <i>Pigment Cell & Melanoma Research</i> , 2005, 18, 051012082332001.	3.6	16
25	Subnuclear localization and mobility are key indicators of PAX3 dysfunction in Waardenburg syndrome. <i>Human Molecular Genetics</i> , 2008, 17, 1825-1837.	2.9	16
26	Epigenetic regulation of centromere formation and kinetochore function This paper is one of a selection of papers published in this Special Issue, entitled 27th International West Coast Chromatin and Chromosome Conference, and has undergone the Journal's usual peer review process.. <i>Biochemistry and Cell Biology</i> , 2006, 84, 605-630.	2.0	14
27	The PAX3 Paired Domain and Homeodomain Function as a Single Binding Module In Vivo to Regulate Subnuclear Localization and Mobility by a Mechanism That Requires Base-Specific Recognition. <i>Journal of Molecular Biology</i> , 2010, 402, 178-193.	4.2	13
28	Corticosteroid binding globulin, testosterone-estradiol binding globulin, and androgen binding protein belong to protein families distinct from steroid receptors. <i>The Journal of Steroid Biochemistry</i> , 1988, 30, 131-139.	1.1	12
29	Trichostatin A decreases the levels of MeCP2 expression and phosphorylation and increases its chromatin binding affinity. <i>Epigenetics</i> , 2017, 12, 934-944.	2.7	10
30	Subnuclear compartmentalization of sequence-specific transcription factors and regulation of eukaryotic gene expression. <i>Biochemistry and Cell Biology</i> , 2005, 83, 535-547.	2.0	9
31	Transcription mapping and expression analysis of candidate genes in the vicinity of the mouse Loop-tail mutation. <i>Mammalian Genome</i> , 2000, 11, 633-638.	2.2	8
32	Hepatic nuclear proteins that bind cis-regulatory elements in the proximal promoter of the rat corticosteroid-binding globulin gene. <i>Molecular and Cellular Endocrinology</i> , 1997, 126, 203-212.	3.2	5
33	Identification of a novel, alternatively spliced isoform and single nucleotide polymorphisms in the murine Pea-15 gene. <i>Mammalian Genome</i> , 2001, 12, 172-174.	2.2	3
34	A novel lineage-specific hypersensitive site is essential for position independent granzyme B expression in transgenic mice. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 357-363.	2.1	2