Dale Dorsett

List of Publications by Year
in descending order

63 papers	4,561 citations	116194 36 h-index	139680 61 g-index
69 all docs	69 docs citations	69 times ranked	4578 citing authors

#	Article	IF	Citations
1	Mutations in Cohesin Complex Members SMC3 and SMC1A Cause a Mild Variant of Cornelia de Lange Syndrome with Predominant Mental Retardation. American Journal of Human Genetics, 2007, 80, 485-494.	2.6	445
2	Nipped-B, a Drosophila Homologue of Chromosomal Adherins, Participates in Activation by Remote Enhancers in the cut and Ultrabithorax Genes. Genetics, 1999, 152, 577-593.	1.2	273
3	Drosophila Nipped-B Protein Supports Sister Chromatid Cohesion and Opposes the Stromalin/Scc3 Cohesion Factor To Facilitate Long-Range Activation of the cut Gene. Molecular and Cellular Biology, 2004, 24, 3100-3111.	1.1	207
4	Association of cohesin and Nipped-B with transcriptionally active regions of the Drosophila melanogaster genome. Chromosoma, 2008, 117, 89-102.	1.0	194
5	Distant liaisons: long-range enhancerâ€“promoter interactions in Drosophila. Current Opinion in Genetics and Development, 1999, 9, 505-514.	1.5	172
6	Histone H3K4 monomethylation catalyzed by Trr and mammalian COMPASS-like proteins at enhancers is dispensable for development and viability. Nature Genetics, 2017, 49, 1647-1653.	9.4	168
7	Cohesin: genomic insights into controlling gene transcription and development. Current Opinion in Genetics and Development, 2011, 21, 199-206.	1.5	167
8	Roles of the sister chromatid cohesion apparatus in gene expression, development, and human syndromes. Chromosoma, 2007, 116, 1-13.	1.0	140
9	The Ancient and Evolving Roles of Cohesin in Gene Expression and DNA Repair. Current Biology, 2012, 22, R240-R250.	1.8	138
10	Effects of sister chromatid cohesion proteins on cut gene expression during wing development in Drosophila. Development (Cambridge), 2005, 132, 4743-4753.	1.2	129
11	Insulation of Enhancer-Promoter Communication by a Gypsy Transposon Insert in the Drosophila cut Gene: Cooperation between Suppressor of Hairy-wing and Modifier of mdg4 Proteins. Molecular and Cellular Biology, 2001, 21, 4807-4817.	1.1	119
12	On the Molecular Etiology of Cornelia de Lange Syndrome. Annals of the New York Academy of Sciences, 2009, 1151, 22-37.	1.8	116
13	Cohesin at active genes: a unifying theme for cohesin and gene expression from model organisms to humans. Current Opinion in Cell Biology, 2013, 25, 327-333.	2.6	111
14	Germline gain-of-function mutations in AFF4 cause a developmental syndrome functionally linking the super elongation complex and cohesin. Nature Genetics, 2015, 47, 338-344.	9.4	109
15	Positive regulation of c-Myc by cohesin is direct, and evolutionarily conserved. Developmental Biology, 2010, 344, 637-649.	0.9	101
16	Cohesin and Polycomb Proteins Functionally Interact to Control Transcription at Silenced and Active Genes. PLoS Genetics, 2013, 9, e1003560.	1.5	99
17	Regulation of the Drosophila Enhancer of split and invected-engrailed Gene Complexes by Sister Chromatid Cohesion Proteins. PLoS ONE, 2009, 4, e6202.	1.1	99
18	Genome-Wide Control of RNA Polymerase II Activity by Cohesin. PLoS Genetics, 2013, 9, e1003382.	1.5	97

#	Article	IF	Citations
19	Metazoan Scc4 Homologs Link Sister Chromatid Cohesion to Cell and Axon Migration Guidance. PLoS Biology, 2006, 4, e242.	2.6	95
20	A Cell-Intrinsic Interferon-like Response Links Replication Stress to Cellular Aging Caused by Progerin. Cell Reports, 2018, 22, 2006-2015.	2.9	93
21	Chip interacts with diverse homeodomain proteins and potentiates Bicoid activity in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 2686-2691.	3.3	82
22	Dosage-Sensitive Regulation of Cohesin Chromosome Binding and Dynamics by Nipped-B, Pds5, and Wapl. Molecular and Cellular Biology, 2010, 30, 4940-4951.	1.1	81
23	Cohesin Selectively Binds and Regulates Genes with Paused RNA Polymerase. Current Biology, 2011, 21, 1624-1634.	1.8	77
24	Cohesin, gene expression and development: Lessons from Drosophila. Chromosome Research, 2009, 17, 185-200.	1.0	75
25	Genes Regulating the Remote Wing Margin Enhancer in the Drosophila cut Locus. Genetics, 1996, 144, 1143-1154.	1.2	75
26	Dosage Effects of Cohesin Regulatory Factor PDS5 on Mammalian Development: Implications for Cohesinopathies. PLoS ONE, 2009, 4, e5232.	1.1	74
27	Drosophila Rtf1 functions in histone methylation, gene expression, and Notch signaling. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11970-11974.	3.3	68
28	Potentiation of a polyadenylylation site by a downstream protein-DNA interaction.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4373-4377.	3.3	64
29	Functional links between Drosophila Nipped-B and cohesin in somatic and meiotic cells. Chromosoma, 2008, 117, 51-66.	1.0	63
30	The Drosophila cohesin subunit Rad21 is a trithorax group (trxG) protein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12405-12410.	3.3	61
31	Vitamin D receptor signaling improves Hutchinson-Gilford progeria syndrome cellular phenotypes. Oncotarget, 2016, 7, 30018-30031.	0.8	53
32	Polycomb repressive complex 1 modifies transcription of active genes. Science Advances, 2017, 3, e1700944.	4.7	50
33	Sall1 balances self-renewal and differentiation of renal progenitor cells. Development (Cambridge), 2014, 141, 1047-1058.	1.2	48
34	Nipped-A, the Tra1/TRRAP Subunit of the Drosophila SAGA and Tip60 Complexes, Has Multiple Roles in Notch Signaling during Wing Development. Molecular and Cellular Biology, 2006, 26, 2347-2359.	1.1	46
35	Wapl antagonizes cohesin binding and promotes Polycomb-group silencing inDrosophila. Development (Cambridge), 2012, 139, 4172-4179.	1.2	41
36	Adherin: Key to the Cohesin Ring and Cornelia de Lange Syndrome. Current Biology, 2004, 14, R834-R836.	1.8	39

#	Article	IF	Citations
37	Cohesin and CTCF: cooperating to control chromosome conformation?. BioEssays, 2008, 30, 715-718.	1.2	38
38	Drosophila Nipped-B Mutants Model Cornelia de Lange Syndrome in Growth and Behavior. PLoS Genetics, 2015, 11, e1005655.	1.5	33
39	The Drosophila Mi-2 Chromatin-Remodeling Factor Regulates Higher-Order Chromatin Structure and Cohesin Dynamics In Vivo. PLoS Genetics, 2012, 8, e1002878.	1.5	32
40	Biosynthesis of "drosopterins" by an enzyme system from Drosophila melanogaster. Biochemistry, 1979, 18, 2596-2600.	1.2	31
41	HCoDES Reveals Chromosomal DNA End Structures with Single-Nucleotide Resolution. Molecular Cell, 2014, 56, 808-818.	4.5	31
42	Cohesin occupancy and composition at enhancers and promoters are linked to DNA replication origin proximity in Drosophila. Genome Research, 2019, 29, 602-612.	2.4	31
43	Brca2, Pds5 and Wapl differentially control cohesin chromosome association and function. PLoS Genetics, 2018, 14, e1007225.	1.5	28
44	Drosophila TDP-43 RNA-Binding Protein Facilitates Association of Sister Chromatid Cohesion Proteins with Genes, Enhancers and Polycomb Response Elements. PLoS Genetics, 2016, 12, e1006331.	1.5	27
45	A naturally occurring pyrimidodiazepine in Drosophila: chemical and spectral properties and relationship to drosopterin. Biochemistry, 1982, 21, 5700-5706.	1.2	25
46	Structure and Expression of Wild-Type and Suppressible Alleles of the Drosophila purple Gene. Genetics, 1996, 142, 1157-1168.	1.2	24
47	The DrosophilaEnhancer of splitGene Complex: Architecture and Coordinate Regulation by Notch, Cohesin, and Polycomb Group Proteins. G3: Genes, Genomes, Genetics, 2013, 3, 1785-1794.	0.8	21
48	The Many Roles of Cohesin in Drosophila Gene Transcription. Trends in Genetics, 2019, 35, 542-551.	2.9	21
49	Purification and biosynthesis of quench spot, a drosopterin precursor in Drosophila melanogaster. Biochemistry, 1982, 21, 1238-1243.	1.2	19
50	Checks and Balances between Cohesin and Polycomb in Gene Silencing and Transcription. Current Biology, 2014, 24, R535-R539.	1.8	19
51	Biosynthesis, nonenzymic synthesis, and purification of the intermediate in synthesis of sepiapterin in Drosophila. Biochemistry, 1982, 21, 3892-3899.	1.2	15
52	A Two-Step Process of Effector Programming Governs CD4+ T Cell Fate Determination Induced by Antigenic Activation in the Steady State. Cell Reports, 2020, 33, 108424.	2.9	15
53	Gene Regulation: The Cohesin Ring Connects Developmental Highways. Current Biology, 2010, 20, R886-R888.	1.8	14
54	The Drosophila melanogaster model for Cornelia de Lange syndrome: Implications for etiology and therapeutics. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2016, 172, 129-137.	0.7	12

#	Article	IF	Citations
55	A Proline-Rich Region in the Zeste Protein Essential for Transvection and white Repression by Zeste1. Genetics, 1998, 148, 1865-1874.	1.2	12
56	Cornelia de Lange syndrome: Further delineation of phenotype, cohesin biology and educational focus, 5th Biennial Scientific and Educational Symposium abstracts. American Journal of Medical Genetics, Part A, 2014, 164, 1384-1393.	0.7	9
57	Measuring Sister Chromatid Cohesion Protein Genome Occupancy in Drosophila melanogaster by ChIP-seq. Methods in Molecular Biology, 2017, 1515, 125-139.	0.4	8
58	Running Rings around Chromosomes to Trim Axons and Target Dendrites. Developmental Cell, 2008, 14, 156-158.	3.1	5
59	Cornelia de Lange syndrome and the Cohesin complex: Abstracts from the 9th Biennial Scientific and Educational Virtual Symposium 2020. American Journal of Medical Genetics, Part A, 2022, 188, 1005-1014.	0.7	1
60	Son of Notch, a Winged-helix Gene Involved in Boundary Formation in the Drosophila Wing. IUBMB Life, 2007, 59, 781-790.	1.5	0
61	Roles of the sister chromatid cohesion apparatus in gene expression and development. FASEB Journal, 2007, 21, A655.	0.2	0
62	Wapl antagonizes cohesin binding and promotes Polycomb-group silencing in Drosophila. Journal of Cell Science, 2012, 125, e1-e1.	1.2	0
63	What fruit flies can tell us about human birth defects. Missouri Medicine, 2013, 110, 309-13.	0.3	0