

Paul Schedl

List of Publications by Year in descending order

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96
papers

5,500
citations

117625

34
h-index

91884

69
g-index

104
all docs

104
docs citations

104
times ranked

2848
citing authors

#	ARTICLE	IF	CITATIONS
1	A position-effect assay for boundaries of higher order chromosomal domains. <i>Cell</i> , 1991, 64, 941-950.	28.9	630
2	Sex-lethal, a <i>Drosophila</i> sex determination switch gene, exhibits sex-specific RNA splicing and sequence similarity to RNA binding proteins. <i>Cell</i> , 1988, 55, 1037-1046.	28.9	483
3	Positive autoregulation of Sex-lethal by alternative splicing maintains the female determined state in <i>Drosophila</i> . <i>Cell</i> , 1991, 65, 229-239.	28.9	354
4	The primary sex determination signal of <i>Drosophila</i> acts at the level of transcription. <i>Cell</i> , 1992, 68, 933-943.	28.9	244
5	A <i>Polycomb</i> and GAGA Dependent Silencer Adjoins the <i>Fab-7</i> Boundary in the <i>Drosophila</i> Bithorax Complex. <i>Genetics</i> , 1997, 146, 1365-1380.	2.9	195
6	Protein:protein interactions and the pairing of boundary elements in vivo. <i>Genes and Development</i> , 2003, 17, 664-675.	5.9	174
7	The <i>iab-7</i> Polycomb Response Element Maps to a Nucleosome-Free Region of Chromatin and Requires Both GAGA and Pleiohomeotic for Silencing Activity. <i>Molecular and Cellular Biology</i> , 2001, 21, 1311-1318.	2.3	168
8	Functional Changes Associated with Structural Alterations Induced by Mobilization of a <i>P</i> Element Inserted in the <i>Sex-lethal</i> Gene of <i>Drosophila</i> . <i>Genetics</i> , 1987, 117, 221-231.	2.9	163
9	The <i>Drosophila</i> CPEB Homolog, Orb, Is Required for Oskar Protein Expression in Oocytes. <i>Developmental Biology</i> , 1999, 215, 91-106.	2.0	146
10	The <i>Mcp</i> Element From the <i>Drosophila melanogaster</i> Bithorax Complex Mediates Long-Distance Regulatory Interactions. <i>Genetics</i> , 1999, 153, 1333-1356.	2.9	129
11	Analysis of the Doublesex Female Protein in <i>Drosophila melanogaster</i> : Role in Sexual Differentiation and Behavior and Dependence on Intersex. <i>Genetics</i> , 1999, 152, 1653-1667.	2.9	114
12	HYBRID DYSGENESIS-INDUCED REVERTANTS OF INSERTIONS AT THE 5' END OF THE <i>RUDIMENTARY</i> GENE IN <i>DROSOPHILA MELANOGASTER</i> : TRANSPOSON-INDUCED CONTROL MUTATIONS. <i>Genetics</i> , 1986, 114, 165-182.	2.9	104
13	The Enhancer-Blocking Activity of the <i>Fab-7</i> Boundary From the <i>Drosophila</i> Bithorax Complex Requires GAGA-Factor-Binding Sites. <i>Genetics</i> , 2004, 168, 1371-1384.	2.9	101
14	The <i>Drosophila</i> Fragile X Protein Functions as a Negative Regulator in the orb Autoregulatory Pathway. <i>Developmental Cell</i> , 2005, 8, 331-342.	7.0	94
15	The Toll β 'NF κ B Signaling Pathway Mediates the Neuropathological Effects of the Human Alzheimer's A β 242 Polypeptide in <i>Drosophila</i> . <i>PLoS ONE</i> , 2008, 3, e3966.	2.5	94
16	Making connections: Insulators organize eukaryotic chromosomes into independent cis-regulatory networks. <i>BioEssays</i> , 2014, 36, 163-172.	2.5	87
17	Transvection in the <i>Drosophila</i> Abd-B Domain: Extensive Upstream Sequences Are Involved in Anchoring Distant cis-Regulatory Regions to the Promoter. <i>Genetics</i> , 1998, 149, 1031-1050.	2.9	84
18	Architecture of a Polycomb Nucleoprotein Complex. <i>Molecular Cell</i> , 2006, 24, 91-100.	9.7	83

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19	Evolution of <i>Drosophila</i> repetitive-dispersed DNA. <i>Journal of Molecular Evolution</i> , 1983, 19, 203-213.	1.8	81
20	Hedgehog Signaling in Germ Cell Migration. <i>Cell</i> , 2001, 106, 759-769.	28.9	81
21	Determinants of Chromosome Architecture: Insulator Pairing in cis and in trans. <i>PLoS Genetics</i> , 2016, 12, e1005889.	3.5	67
22	Functional role of dimerization and CP190 interacting domains of CTCF protein in <i>Drosophila melanogaster</i> . <i>BMC Biology</i> , 2015, 13, 63.	3.8	62
23	Chromatin organization of the 87A7 heat shock locus of <i>Drosophila melanogaster</i> . <i>Journal of Molecular Biology</i> , 1984, 172, 385-403.	4.2	60
24	Nanos downregulates transcription and modulates CTD phosphorylation in the soma of early <i>Drosophila</i> embryos. <i>Mechanisms of Development</i> , 2005, 122, 645-657.	1.7	59
25	Isolation of the dorsal locus of <i>Drosophila</i> . <i>Nature</i> , 1984, 311, 262-265.	27.8	58
26	Functioning of the <i>Drosophila orb</i> gene in <i>gurken</i> mRNA localization and translation. <i>Development (Cambridge)</i> , 2001, 128, 3169-3177.	2.5	58
27	The boundary paradox in the Bithorax complex. <i>Mechanisms of Development</i> , 2015, 138, 122-132.	1.7	53
28	Overlapping mechanisms function to establish transcriptional quiescence in the embryonic <i>Drosophila</i> germline. <i>Development (Cambridge)</i> , 2004, 131, 1247-1257.	2.5	51
29	Functional Requirements for <i>Fab-7</i> Boundary Activity in the Bithorax Complex. <i>Molecular and Cellular Biology</i> , 2015, 35, 3739-3752.	2.3	51
30	Boundaries of loop domains (insulators): Determinants of chromosome form and function in multicellular eukaryotes. <i>BioEssays</i> , 2017, 39, 1600233.	2.5	47
31	Mechanism of Chromosomal Boundary Action: Roadblock, Sink, or Loop?. <i>Genetics</i> , 2011, 187, 731-748.	2.9	46
32	Deletion of an Insulator Element by the Mutation <i>facet-strawberry</i> in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2000, 155, 1297-1311.	2.9	46
33	Elba, a novel developmentally regulated chromatin boundary factor is a hetero-tripartite DNA binding complex. <i>ELife</i> , 2012, 1, e00171.	6.0	44
34	Developmental modulation of <i>Fab-7</i> boundary function. <i>Development (Cambridge)</i> , 2004, 131, 4743-4749.	2.5	42
35	Functional Dissection of the Blocking and Bypass Activities of the <i>Fab-8</i> Boundary in the <i>Drosophila</i> Bithorax Complex. <i>PLoS Genetics</i> , 2016, 12, e1006188.	3.5	41
36	The GAGA factor regulatory network: Identification of GAGA factor associated proteins. <i>PLoS ONE</i> , 2017, 12, e0173602.	2.5	41

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37	The CPEB Protein Orb2 Has Multiple Functions during Spermatogenesis in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2012, 8, e1003079.	3.5	40
38	GAGA factor: a multifunctional pioneering chromatin protein. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 4125-4141.	5.4	37
39	The <i>Drosophila</i> CPEB Protein Orb2 Has a Novel Expression Pattern and Is Important for Asymmetric Cell Division and Nervous System Function. <i>Genetics</i> , 2011, 189, 907-921.	2.9	36
40	Functioning of the <i>Drosophila</i> Wilms'-Tumor-1-Associated Protein Homolog, Fl(2)d, in Sex-Lethal-Dependent Alternative Splicing. <i>Genetics</i> , 2008, 178, 737-748.	2.9	35
41	Transcriptional read-through is not sufficient to induce an epigenetic switch in the silencing activity of Polycomb response elements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14930-14935.	7.1	35
42	GAGA Factor Isoforms Have Distinct but Overlapping Functions In Vivo. <i>Molecular and Cellular Biology</i> , 2001, 21, 8565-8574.	2.3	32
43	Boundaries mediate long-distance interactions between enhancers and promoters in the <i>Drosophila</i> Bithorax complex. <i>PLoS Genetics</i> , 2018, 14, e1007702.	3.5	32
44	The insulator functions of the <i>Drosophila</i> polydactyl C2H2 zinc finger protein CTCF: Necessity versus sufficiency. <i>Science Advances</i> , 2020, 6, eaaz3152.	10.3	31
45	HMGCofA reductase Potentiates hedgehog Signaling in <i>Drosophila melanogaster</i> . <i>Developmental Cell</i> , 2005, 9, 629-638.	7.0	30
46	Establishment of a Developmental Compartment Requires Interactions between Three Synergistic Cis-regulatory Modules. <i>PLoS Genetics</i> , 2015, 11, e1005376.	3.5	29
47	Architectural protein Pita cooperates with dCTCF in organization of functional boundaries in Bithorax Complex. <i>Development (Cambridge)</i> , 2017, 144, 2663-2672.	2.5	29
48	Complete reconstitution of bypass and blocking functions in a minimal artificial <i>Fab-7</i> insulator from <i>Drosophila bithorax</i> complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13462-13467.	7.1	29
49	Enhancer Blocking and Transvection at the <i>Drosophila</i> <i>apterous</i> Locus. <i>Genetics</i> , 2008, 178, 127-143.	2.9	28
50	Transcription of adenovirus and HeLa cell genes in the presence of drugs that inhibit topoisomerase I and II function. <i>Nucleic Acids Research</i> , 1990, 18, 1499-1508.	14.5	26
51	A Stage-Specific Factor Confers <i>Fab-7</i> Boundary Activity during Early Embryogenesis in <i>Drosophila</i> . <i>Molecular and Cellular Biology</i> , 2008, 28, 1047-1060.	2.3	26
52	The bithorax complex <i>iab-7</i> Polycomb response element has a novel role in the functioning of the <i>Fab-7</i> chromatin boundary. <i>PLoS Genetics</i> , 2018, 14, e1007442.	3.5	26
53	The Functioning of the <i>Drosophila</i> CPEB Protein Orb Is Regulated by Phosphorylation and Requires Casein Kinase 2 Activity. <i>PLoS ONE</i> , 2011, 6, e24355.	2.5	26
54	Cup Blocks the Precocious Activation of the Orb Autoregulatory Loop. <i>PLoS ONE</i> , 2011, 6, e28261.	2.5	25

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55	The <i>Drosophila</i> CPEB Protein Orb Specifies Oocyte Fate by a 5'UTR-Dependent Autoregulatory Loop. <i>Genetics</i> , 2019, 213, 1431-1446.	2.9	25
56	The Translation Initiation Factor eIF4E Regulates the Sex-Specific Expression of the Master Switch Gene <i>Sxl</i> in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2011, 7, e1002185.	3.5	24
57	Germ Cell-less Promotes Centrosome Segregation to Induce Germ Cell Formation. <i>Cell Reports</i> , 2017, 18, 831-839.	6.4	24
58	The role of CPEB family proteins in the nervous system function in the norm and pathology. <i>Cell and Bioscience</i> , 2021, 11, 64.	4.8	24
59	<i>Drosophila</i> Dosage Compensation Loci Associate with a Boundary-Forming Insulator Complex. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	23
60	Spermatid Cyst Polarization in <i>Drosophila</i> Depends upon <i>apkc</i> and the CPEB Family Translational Regulator <i>orb2</i> . <i>PLoS Genetics</i> , 2014, 10, e1004380.	3.5	22
61	<i>Gli3</i> , a Downstream Target for the <i>hmgcr</i> -Isoprenoid Biosynthetic Pathway, Is Required for Releasing the Hedgehog Ligand and Directing Germ Cell Migration. <i>PLoS Genetics</i> , 2009, 5, e1000333.	3.5	21
62	Establishment of stem cell identity in the <i>Drosophila</i> germline. , 1997, 210, 371-382.		19
63	Distinct Elements Confer the Blocking and Bypass Functions of the Bithorax <i>Fab-8</i> Boundary. <i>Genetics</i> , 2019, 213, 865-876.	2.9	18
64	The hedgehog Pathway Gene shifted Functions together with the <i>hmgcr</i> -Dependent Isoprenoid Biosynthetic Pathway to Orchestrate Germ Cell Migration. <i>PLoS Genetics</i> , 2013, 9, e1003720.	3.5	17
65	<i>Wnt</i> Signaling in Sexual Dimorphism. <i>Genetics</i> , 2016, 202, 661-673.	2.9	17
66	Bi-functional cross-linking reagents efficiently capture protein-DNA complexes in <i>Drosophila</i> embryos. <i>Fly</i> , 2014, 8, 43-51.	1.7	16
67	Rasputin Functions as a Positive Regulator of Orb in <i>Drosophila</i> Oogenesis. <i>PLoS ONE</i> , 2013, 8, e72864.	2.5	15
68	BMP Signaling and the Maintenance of Primordial Germ Cell Identity in <i>Drosophila</i> Embryos. <i>PLoS ONE</i> , 2014, 9, e88847.	2.5	15
69	The <i>Drosophila melanogaster</i> Mutants <i>apblot</i> and <i>apXasta</i> Affect an Essential <i>apterous</i> Wing Enhancer. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1129-1143.	1.8	15
70	BEN-solo factors partition active chromatin to ensure proper gene activation in <i>Drosophila</i> . <i>Nature Communications</i> , 2019, 10, 5700.	12.8	15
71	Establishing and maintaining cell polarity with mRNA localization in <i>Drosophila</i> . <i>BioEssays</i> , 2016, 38, 244-253.	2.5	14
72	Different Evolutionary Strategies To Conserve Chromatin Boundary Function in the Bithorax Complex. <i>Genetics</i> , 2017, 205, 589-603.	2.9	14

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73	Functional dissection of the developmentally restricted BEN domain chromatin boundary factor Insensitive. <i>Epigenetics and Chromatin</i> , 2019, 12, 2.	3.9	14
74	Mapping of functional elements of the Fab-6 boundary involved in the regulation of the Abd-B hox gene in <i>Drosophila melanogaster</i> . <i>Scientific Reports</i> , 2021, 11, 4156.	3.3	14
75	Boundaries potentiate polycomb response element-mediated silencing. <i>BMC Biology</i> , 2021, 19, 113.	3.8	14
76	Transcriptional quiescence in primordial germ cells. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2018, 53, 579-595.	5.2	12
77	The BEN Domain Protein Insensitive Binds to the <i>Fab-7</i> Chromatin Boundary To Establish Proper Segmental Identity in <i>Drosophila</i> . <i>Genetics</i> , 2018, 210, 573-585.	2.9	12
78	Preformation and epigenesis converge to specify primordial germ cell fate in the early <i>Drosophila</i> embryo. <i>PLoS Genetics</i> , 2022, 18, e1010002.	3.5	11
79	Mapping parameter spaces of biological switches. <i>PLoS Computational Biology</i> , 2021, 17, e1008711.	3.2	10
80	CLAMP regulates zygotic genome activation in <i>Drosophila</i> embryos. <i>Genetics</i> , 2021, 219, .	2.9	10
81	toutvelu, a Regulator of Heparan Sulfate Proteoglycan Biosynthesis, Controls Guidance Cues for Germ-Cell Migration. <i>Genetics</i> , 2007, 176, 905-912.	2.9	9
82	The CPEB translational regulator, Orb, functions together with Par proteins to polarize the <i>Drosophila</i> oocyte. <i>PLoS Genetics</i> , 2019, 15, e1008012.	3.5	9
83	Functioning of an ABC transporter, Mdr49, in Hh signaling and germ cell migration. <i>Development (Cambridge)</i> , 2016, 143, 2111-20.	2.5	7
84	Paip2 is localized to active promoters and loaded onto nascent mRNA in <i>Drosophila</i> . <i>Cell Cycle</i> , 2018, 17, 1708-1720.	2.6	6
85	Paip2 cooperates with Cbp80 at an active promoter and participates in RNA Polymerase II phosphorylation in <i>Drosophila</i> . <i>FEBS Letters</i> , 2019, 593, 1102-1112.	2.8	6
86	Subunits of the PBAP Chromatin Remodeler Are Capable of Mediating Enhancer-Driven Transcription in <i>Drosophila</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2856.	4.1	6
87	The 3'UTR of the <i>Drosophila</i> CPEB translation factor gene <i>orb2</i> plays a crucial role in spermatogenesis. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	5
88	Redundant enhancers in the <i>iab-5</i> domain cooperatively activate <i>Abd-B</i> in the A5 and A6 abdominal segments of <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2021, 148, .	2.5	5
89	Two domains and one RNA: a molecular threesome. , 1999, 6, 499-502.		4
90	Cells on the move: Modulation of guidance cues during germ cell migration. <i>Fly</i> , 2017, 11, 200-207.	1.7	4

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91	Molecular characterization of the 5' end of the rudimentary gene in <i>Drosophila</i> and analysis of three P element insertions. <i>Nucleic Acids Research</i> , 1992, 20, 4639-4647.	14.5	3
92	Functional analysis of Niemann-Pick disease type C family protein, NPC1a, in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2019, 146, .	2.5	3
93	Antagonism between germ cell-less and Torso receptor regulates transcriptional quiescence underlying germline/soma distinction. <i>ELife</i> , 2021, 10, .	6.0	3
94	Conservation signals location. <i>Nature</i> , 2001, 414, 593-594.	27.8	1
95	Two non-gypsy rudimentary mutations and their suppression by mutations of suppressor of Hairy-wing in <i>Drosophila</i> . <i>Molecular Genetics and Genomics</i> , 1992, 235, 441-449.	2.4	0
96	Xenotransplantation exposes the etiology of <i>azoospermia factor</i> (<i>AZF</i>) induced male sterility. <i>BioEssays</i> , 2015, 37, 278-283.	2.5	0