Paul Schedl

List of Publications by Year
in descending order

96 papers	5,500 citations	117453 34 h-index	91712 69 g-index
104 all docs	104 docs citations	104 times ranked	2848 citing authors

#	Article	IF	Citations
1	Preformation and epigenesis converge to specify primordial germ cell fate in the early Drosophila embryo. PLoS Genetics, 2022, 18, e1010002.	1.5	11
2	Antagonism between germ cell-less and Torso receptor regulates transcriptional quiescence underlying germline/soma distinction. ELife, 2021, 10, .	2.8	3
3	GAGA factor: a multifunctional pioneering chromatin protein. Cellular and Molecular Life Sciences, 2021, 78, 4125-4141.	2.4	37
4	Mapping parameter spaces of biological switches. PLoS Computational Biology, 2021, 17, e1008711.	1.5	10
5	Mapping of functional elements of the Fab-6 boundary involved in the regulation of the Abd-B hox gene in Drosophila melanogaster. Scientific Reports, 2021, 11, 4156.	1.6	14
6	The role of CPEB family proteins in the nervous system function in the norm and pathology. Cell and Bioscience, 2021, 11, 64.	2.1	24
7	Subunits of the PBAP Chromatin Remodeler Are Capable of Mediating Enhancer-Driven Transcription in Drosophila. International Journal of Molecular Sciences, 2021, 22, 2856.	1.8	6
8	Boundaries potentiate polycomb response element-mediated silencing. BMC Biology, 2021, 19, 113.	1.7	14
9	CLAMP regulates zygotic genome activation in Drosophila embryos. Genetics, 2021, 219, .	1.2	10
10	The 3â€²UTR of the Drosophila CPEB translation factor gene orb2 plays a crucial role in spermatogenesis. Development (Cambridge), 2021, 148, .	1.2	5
11	Redundant enhancers in the iab-5 domain cooperatively activate Abd-B in the A5 and A6 abdominal segments of Drosophila. Development (Cambridge), 2021, 148, .	1.2	5
12	The insulator functions of the Drosophila polydactyl C2H2 zinc finger protein CTCF: Necessity versus sufficiency. Science Advances, 2020, 6, eaaz3152.	4.7	31
13	Functional dissection of the developmentally restricted BEN domain chromatin boundary factor Insensitive. Epigenetics and Chromatin, 2019, 12, 2.	1.8	14
14	Complete reconstitution of bypass and blocking functions in a minimal artificial Fab-7 insulator from Drosophila bithorax complex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13462-13467.	3.3	29
15	Functional analysis of Niemann-Pick disease type C family protein, NPC1a, in Drosophila melanogaster. Development (Cambridge), 2019, 146, .	1.2	3
16	Paip2 cooperates with Cbp80 at an active promoter and participates in RNA Polymerase II phosphorylation in Drosophila. FEBS Letters, 2019, 593, 1102-1112.	1.3	6
17	The CPEB translational regulator, Orb, functions together with Par proteins to polarize the Drosophila oocyte. PLoS Genetics, 2019, 15, e1008012.	1.5	9
18	Distinct Elements Confer the Blocking and Bypass Functions of the Bithorax Fab-8 Boundary. Genetics, 2019, 213, 865-876.	1.2	18

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19	The Drosophila CPEB Protein Orb Specifies Oocyte Fate by a 3â€²UTR-Dependent Autoregulatory Loop. Genetics, 2019, 213, 1431-1446.	1.2	25
20	BEN-solo factors partition active chromatin to ensure proper gene activation in Drosophila. Nature Communications, 2019, 10, 5700.	5.8	15
21	Boundaries mediate long-distance interactions between enhancers and promoters in the Drosophila Bithorax complex. PLoS Genetics, 2018, 14, e1007702.	1.5	32
22	Transcriptional quiescence in primordial germ cells. Critical Reviews in Biochemistry and Molecular Biology, 2018, 53, 579-595.	2.3	12
23	The BEN Domain Protein Insensitive Binds to the Fab-7 Chromatin Boundary To Establish Proper Segmental Identity in Drosophila. Genetics, 2018, 210, 573-585.	1.2	12
24	Paip2 is localized to active promoters and loaded onto nascent mRNA in Drosophila. Cell Cycle, 2018, 17, 1708-1720.	1.3	6
25	The bithorax complex iab-7 Polycomb response element has a novel role in the functioning of the Fab-7 chromatin boundary. PLoS Genetics, 2018, 14, e1007442.	1.5	26
26	Boundaries of loop domains (insulators): Determinants of chromosome form and function in multicellular eukaryotes. BioEssays, 2017, 39, 1600233.	1.2	47
27	Germ Cell-less Promotes Centrosome Segregation to Induce Germ Cell Formation. Cell Reports, 2017, 18, 831-839.	2.9	24
28	Architectural protein Pita cooperates with dCTCF in organization of functional boundaries in Bithorax Complex. Development (Cambridge), 2017, 144, 2663-2672.	1.2	29
29	Cells on the move: Modulation of guidance cues during germ cell migration. Fly, 2017, 11, 200-207.	0.9	4
30	Different Evolutionary Strategies To Conserve Chromatin Boundary Function in the Bithorax Complex. Genetics, 2017, 205, 589-603.	1.2	14
31	Drosophila Dosage Compensation Loci Associate with a Boundary-Forming Insulator Complex. Molecular and Cellular Biology, 2017, 37, .	1.1	23
32	The GAGA factor regulatory network: Identification of GAGA factor associated proteins. PLoS ONE, 2017, 12, e0173602.	1.1	41
33	Functional Dissection of the Blocking and Bypass Activities of the Fab-8 Boundary in the Drosophila Bithorax Complex. PLoS Genetics, 2016, 12, e1006188.	1.5	41
34	Functioning of an ABC transporter, Mdr49, in Hh signaling and germ cell migration. Development (Cambridge), 2016, 143, 2111-20.	1.2	7
35	Establishing and maintaining cell polarity with mRNA localization in Drosophila. BioEssays, 2016, 38, 244-253.	1.2	14
36	Wnt Signaling in Sexual Dimorphism. Genetics, 2016, 202, 661-673.	1.2	17

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37	Determinants of Chromosome Architecture: Insulator Pairing in cis and in trans. PLoS Genetics, 2016, 12, e1005889.	1.5	67
38	Establishment of a Developmental Compartment Requires Interactions between Three Synergistic Cis-regulatory Modules. PLoS Genetics, 2015, 11, e1005376.	1.5	29
39	TheDrosophila melanogasterMutantsapblotandapXastaAffect an EssentialapterousWing Enhancer. G3: Genes, Genomes, Genetics, 2015, 5, 1129-1143.	0.8	15
40	The boundary paradox in the Bithorax complex. Mechanisms of Development, 2015, 138, 122-132.	1.7	53
41	Xenotransplantation exposes the etiology of azoospermia factor (AZF) induced male sterility. BioEssays, 2015, 37, 278-283.	1.2	0
42	Transcriptional read-through is not sufficient to induce an epigenetic switch in the silencing activity of Polycomb response elements. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14930-14935.	3.3	35
43	Functional role of dimerization and CP190 interacting domains of CTCF protein in Drosophila melanogaster. BMC Biology, 2015, 13, 63.	1.7	62
44	Functional Requirements for Fab-7 Boundary Activity in the Bithorax Complex. Molecular and Cellular Biology, 2015, 35, 3739-3752.	1.1	51
45	BMP Signaling and the Maintenance of Primordial Germ Cell Identity in Drosophila Embryos. PLoS ONE, 2014, 9, e88847.	1.1	15
46	Spermatid Cyst Polarization in Drosophila Depends upon apkc and the CPEB Family Translational Regulator orb2. PLoS Genetics, 2014, 10, e1004380.	1.5	22
47	Bi-functional cross-linking reagents efficiently capture protein-DNA complexes inDrosophilaembryos. Fly, 2014, 8, 43-51.	0.9	16
48	Making connections: Insulators organize eukaryotic chromosomes into independent cisâ€regulatory networks. BioEssays, 2014, 36, 163-172.	1.2	87
49	The hedgehog Pathway Gene shifted Functions together with the hmgcr-Dependent Isoprenoid Biosynthetic Pathway to Orchestrate Germ Cell Migration. PLoS Genetics, 2013, 9, e1003720.	1.5	17
50	Rasputin Functions as a Positive Regulator of Orb in Drosophila Oogenesis. PLoS ONE, 2013, 8, e72864.	1.1	15
51	The CPEB Protein Orb2 Has Multiple Functions during Spermatogenesis in Drosophila melanogaster. PLoS Genetics, 2012, 8, e1003079.	1.5	40
52	Elba, a novel developmentally regulated chromatin boundary factor is a hetero-tripartite DNA binding complex. ELife, 2012, 1, e00171.	2.8	44
53	Mechanism of Chromosomal Boundary Action: Roadblock, Sink, or Loop?. Genetics, 2011, 187, 731-748.	1.2	46
54	Cup Blocks the Precocious Activation of the Orb Autoregulatory Loop. PLoS ONE, 2011, 6, e28261.	1.1	25

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55	The Drosophila CPEB Protein Orb2 Has a Novel Expression Pattern and Is Important for Asymmetric Cell Division and Nervous System Function. Genetics, 2011, 189, 907-921.	1.2	36
56	The Translation Initiation Factor eIF4E Regulates the Sex-Specific Expression of the Master Switch Gene Sxl in Drosophila melanogaster. PLoS Genetics, 2011, 7, e1002185.	1.5	24
57	The Functioning of the Drosophila CPEB Protein Orb Is Regulated by Phosphorylation and Requires Casein Kinase 2 Activity. PLoS ONE, 2011, 6, e24355.	1.1	26
58	GÎ³1, a Downstream Target for the hmgcr-Isoprenoid Biosynthetic Pathway, Is Required for Releasing the Hedgehog Ligand and Directing Germ Cell Migration. PLoS Genetics, 2009, 5, e1000333.	1.5	21
59	Functioning of the Drosophila Wilms'-Tumor-1-Associated Protein Homolog, Fl(2)d, in Sex-Lethal-Dependent Alternative Splicing. Genetics, 2008, 178, 737-748.	1.2	35
60	A Stage-Specific Factor Confers Fab-7 Boundary Activity during Early Embryogenesis in Drosophila. Molecular and Cellular Biology, 2008, 28, 1047-1060.	1.1	26
61	Enhancer Blocking and Transvection at the DrosophilaapterousLocus. Genetics, 2008, 178, 127-143.	1.2	28
62	The Tollâ†'NFÎºB Signaling Pathway Mediates the Neuropathological Effects of the Human Alzheimer's AÎ²42 Polypeptide in Drosophila. PLoS ONE, 2008, 3, e3966.	1.1	94
63	toutvelu, a Regulator of Heparan Sulfate Proteoglycan Biosynthesis, Controls Guidance Cues for Germ-Cell Migration. Genetics, 2007, 176, 905-912.	1.2	9
64	Architecture of a Polycomb Nucleoprotein Complex. Molecular Cell, 2006, 24, 91-100.	4.5	83
65	The Drosophila Fragile X Protein Functions as a Negative Regulator in the orb Autoregulatory Pathway. Developmental Cell, 2005, 8, 331-342.	3.1	94
66	HMGCoA reductase Potentiates hedgehog Signaling in Drosophila melanogaster. Developmental Cell, 2005, 9, 629-638.	3.1	30
67	Nanos downregulates transcription and modulates CTD phosphorylation in the soma of early Drosophila embryos. Mechanisms of Development, 2005, 122, 645-657.	1.7	59
68	Developmental modulation of Fab-7 boundary function. Development (Cambridge), 2004, 131, 4743-4749.	1.2	42
69	Overlapping mechanisms function to establish transcriptional quiescence in the embryonic Drosophila germline. Development (Cambridge), 2004, 131, 1247-1257.	1.2	51
70	The Enhancer-Blocking Activity of the Fab-7 Boundary From the Drosophila Bithorax Complex Requires GAGA-Factor-Binding Sites. Genetics, 2004, 168, 1371-1384.	1.2	101
71	Protein:protein interactions and the pairing of boundary elements in vivo. Genes and Development, 2003, 17, 664-675.	2.7	174
72	Hedgehog Signaling in Germ Cell Migration. Cell, 2001, 106, 759-769.	13.5	81

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73	Conservation signals location. Nature, 2001, 414, 593-594.	13.7	1
74	GAGA Factor Isoforms Have Distinct but Overlapping Functions In Vivo. Molecular and Cellular Biology, 2001, 21, 8565-8574.	1.1	32
75	The iab-7 Polycomb Response Element Maps to a Nucleosome-Free Region of Chromatin and Requires Both GAGA and Pleiohomeotic for Silencing Activity. Molecular and Cellular Biology, 2001, 21, 1311-1318.	1.1	168
76	Functioning of the Drosophila orb gene in gurken mRNA localization and translation. Development (Cambridge), 2001, 128, 3169-3177.	1.2	58
77	Deletion of an Insulator Element by the Mutation facet-strawberry in Drosophila melanogaster. Genetics, 2000, 155, 1297-1311.	1.2	46
78	Two domains and one RNA: a molecular threesome. , 1999, 6, 499-502.		4
79	The Drosophila CPEB Homolog, Orb, Is Required for Oskar Protein Expression in Oocytes. Developmental Biology, 1999, 215, 91-106.	0.9	146
80	Analysis of the Doublesex Female Protein in Drosophila melanogaster: Role in Sexual Differentiation and Behavior and Dependence on Intersex. Genetics, 1999, 152, 1653-1667.	1.2	114
81	The Mcp Element From the Drosophila melanogaster Bithorax Complex Mediates Long-Distance Regulatory Interactions. Genetics, 1999, 153, 1333-1356.	1.2	129
82	Transvection in the Drosophila Abd-B Domain: Extensive Upstream Sequences Are Involved in Anchoring Distant cis-Regulatory Regions to the Promoter. Genetics, 1998, 149, 1031-1050.	1.2	84
83	Establishment of stem cell identity in theDrosophila germline. , 1997, 210, 371-382.		19
84	A Polycomb and GAGA Dependent Silencer Adjoins the Fab-7 Boundary in the Drosophila Bithorax Complex. Genetics, 1997, 146, 1365-1380.	1.2	195
85	Molecular characterization of the 5â€² end of therudimentarygene inDrosophilaand analysis of three P element insertions. Nucleic Acids Research, 1992, 20, 4639-4647.	6.5	3
86	The primary sex determination signal of Drosophila acts at the level of transcription. Cell, 1992, 68, 933-943.	13.5	244
87	Two non-gypsy rudimentary mutations and their suppression by mutations of suppressor of Hairy-wing in Drosophila. Molecular Genetics and Genomics, 1992, 235, 441-449.	2.4	0
88	Positive autoregulation of Sex-lethal by alternative splicing maintains the female determined state in Drosophila. Cell, 1991, 65, 229-239.	13.5	354
89	A position-effect assay for boundaries of higher order chromosomal domains. Cell, 1991, 64, 941-950.	13.5	630
90	Transcription of adenovirus and HeLa cell genes in the presence of drugs that inhibit topoisomerase I and II function. Nucleic Acids Research, 1990, 18, 1499-1508.	6.5	26

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91	Sex-lethal, a Drosophila sex determination switch gene, exhibits sex-specific RNA splicing and sequence similarity to RNA binding proteins. Cell, 1988, 55, 1037-1046.	13.5	483
92	Functional Changes Associated with Structural Alterations Induced by Mobilization of a P Element Inserted in the Sex-lethal Gene of Drosophila. Genetics, 1987, 117, 221-231.	1.2	163
93	HYBRID DYSGENESIS-INDUCED REVERTANTS OF INSERTIONS AT THE 5' END OF THE RUDIMENTARY GENE IN DROSOPHILA MELANOGASTER: TRANSPOSON-INDUCED CONTROL MUTATIONS. Genetics, 1986, 114, 165-182.	1.2	104
94	Isolation of the dorsal locus of Drosophila. Nature, 1984, 311, 262-265.	13.7	58
95	Chromatin organization of the 87A7 heat shock locus of Drosophila melanogaster. Journal of Molecular Biology, 1984, 172, 385-403.	2.0	60
96	Evolution ofDrosophila repetitive-dispersed DNA. Journal of Molecular Evolution, 1983, 19, 203-213.	0.8	81