

Fernando Casares

List of Publications by Year in descending order

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88
papers

4,143
citations

136740

32
h-index

128067

60
g-index

102
all docs

102
docs citations

102
times ranked

4475
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear Translocation of Extradenticle Requires homothorax, which Encodes an Extradenticle-Related Homeodomain Protein. <i>Cell</i> , 1997, 91, 171-183.	13.5	429
2	Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly. <i>Science</i> , 2022, 375, eabk2432.	6.0	295
3	Control of antennal versus leg development in <i>Drosophila</i> . <i>Nature</i> , 1998, 392, 723-726.	13.7	280
4	Combinatorial control of <i>Drosophila</i> eye development by Eyeless, Homothorax, and Teashirt. <i>Genes and Development</i> , 2002, 16, 2415-2427.	2.7	227
5	Long-range gene regulation links genomic type 2 diabetes and obesity risk regions to <i>HHEX</i> , <i>SOX4</i> , and <i>IRX3</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 775-780.	3.3	189
6	Zebrafish enhancer detection (ZED) vector: A new tool to facilitate transgenesis and the functional analysis of cis-regulatory regions in zebrafish. <i>Developmental Dynamics</i> , 2009, 238, 2409-2417.	0.8	153
7	Odd-skipped genes encode repressors that control kidney development. <i>Developmental Biology</i> , 2007, 301, 518-531.	0.9	124
8	homothorax and iroquois-C genes are required for the establishment of territories within the developing eye disc. <i>Mechanisms of Development</i> , 2000, 96, 15-25.	1.7	105
9	Restless Legs Syndrome-associated intronic common variant in <i>Meis1</i> alters enhancer function in the developing telencephalon. <i>Genome Research</i> , 2014, 24, 592-603.	2.4	102
10	Organ specification-growth control connection: New in-sights from the <i>Drosophila</i> eye-antennal disc. <i>Developmental Dynamics</i> , 2005, 232, 673-684.	0.8	101
11	Genome-wide CTCF distribution in vertebrates defines equivalent sites that aid the identification of disease-associated genes. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 708-714.	3.6	95
12	Transphyletic conservation of developmental regulatory state in animal evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14186-14191.	3.3	94
13	The colorectal cancer risk at 18q21 is caused by a novel variant altering <i>SMAD7</i> expression. <i>Genome Research</i> , 2009, 19, 987-993.	2.4	85
14	The Ground State of the Ventral Appendage in <i>Drosophila</i> . <i>Science</i> , 2001, 293, 1477-1480.	6.0	84
15	<i>meis1</i> regulates <i>cyclin D1</i> and <i>c-myc</i> expression, and controls the proliferation of the multipotent cells in the early developing zebrafish eye. <i>Development (Cambridge)</i> , 2008, 135, 799-803.	1.2	83
16	Hoxd13 Contribution to the Evolution of Vertebrate Appendages. <i>Developmental Cell</i> , 2012, 23, 1219-1229.	3.1	83
17	E-cadherin germline missense mutations and cell phenotype: evidence for the independence of cell invasion on the motile capabilities of the cells. <i>Human Molecular Genetics</i> , 2003, 12, 3007-3016.	1.4	79
18	hth maintains the pool of eye progenitors and its downregulation by Dpp and Hh couples retinal fate acquisition with cell cycle exit. <i>Developmental Biology</i> , 2010, 339, 78-88.	0.9	68

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19	Growth and size control during development. <i>Open Biology</i> , 2017, 7, 170190.	1.5	59
20	Genomic adaptations to aquatic and aerial life in mayflies and the origin of insect wings. <i>Nature Communications</i> , 2020, 11, 2631.	5.8	57
21	Turnover of binding sites for transcription factors involved in early <i>Drosophila</i> development. <i>Gene</i> , 2003, 310, 215-220.	1.0	55
22	Conserved developmental expression of Fezf in chordates and <i>Drosophila</i> and the origin of the Zona Limitans Intrathalamica (ZLI) brain organizer. <i>EvoDevo</i> , 2010, 1, 7.	1.3	55
23	Comparative motif discovery combined with comparative transcriptomics yields accurate targetome and enhancer predictions. <i>Genome Research</i> , 2013, 23, 74-88.	2.4	54
24	Development of the genitalia in <i>Drosophila melanogaster</i> . <i>Differentiation</i> , 2003, 71, 299-310.	1.0	53
25	Restricted teashirt expression confers eye-specific responsiveness to Dpp and Wg signals during eye specification in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2005, 132, 5011-5020.	1.2	52
26	The genital disc of <i>Drosophila melanogaster</i> .. <i>Development Genes and Evolution</i> , 1997, 207, 216-228.	0.4	50
27	Interactions of <i>Drosophila</i> <i>Ultrabithorax</i> Regulatory Regions With Native and Foreign Promoters. <i>Genetics</i> , 1997, 145, 123-137.	1.2	48
28	Zinc-finger paralogues <i>tsh</i> and <i>tio</i> are functionally equivalent during imaginal development in <i>Drosophila</i> and maintain their expression levels through auto- and cross-negative feedback loops. <i>Developmental Dynamics</i> , 2009, 238, 19-28.	0.8	45
29	The genital disc of <i>Drosophila melanogaster</i> . <i>Development Genes and Evolution</i> , 1997, 207, 229-241.	0.4	43
30	<i>CPEB1</i> , a novel gene silenced in gastric cancer: a <i>Drosophila</i> approach. <i>Gut</i> , 2012, 61, 1115-1123.	6.1	41
31	Odd-skipped genes specify the signaling center that triggers retinogenesis in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2006, 133, 4145-4149.	1.2	40
32	E-cadherin missense mutations, associated with hereditary diffuse gastric cancer (HDGC) syndrome, display distinct invasive behaviors and genetic interactions with the Wnt and Notch pathways in <i>Drosophila</i> epithelia. <i>Human Molecular Genetics</i> , 2006, 15, 1704-1712.	1.4	35
33	A Hh-driven gene network controls specification, pattern and size of the <i>Drosophila</i> simple eyes. <i>Development (Cambridge)</i> , 2013, 140, 82-92.	1.2	33
34	<i>Meis1</i> coordinates a network of genes implicated in eye development and microphthalmia. <i>Development (Cambridge)</i> , 2015, 142, 3009-20.	1.2	32
35	A Model of the Spatio-temporal Dynamics of <i>Drosophila</i> Eye Disc Development. <i>PLoS Computational Biology</i> , 2016, 12, e1005052.	1.5	32
36	Size matters: The contribution of cell proliferation to the progression of the specification <i>Drosophila</i> eye gene regulatory network. <i>Developmental Biology</i> , 2010, 344, 569-577.	0.9	30

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37	A quantitative analysis of growth control in the <i>Drosophila</i> eye disc. <i>Development (Cambridge)</i> , 2016, 143, 1482-90.	1.2	30
38	E-cadherin-defective gastric cancer cells depend on Laminin to survive and invade. <i>Human Molecular Genetics</i> , 2015, 24, 5891-5900.	1.4	28
39	A 3â€² cis-regulatory region controls wingless expression in the <i>Drosophila</i> eye and leg primordia. <i>Developmental Dynamics</i> , 2006, 235, 225-234.	0.8	27
40	Regulation of ocellar specification and size by <i>twinn</i> of <i>eyeless</i> and <i>homothorax</i> . <i>Developmental Dynamics</i> , 2011, 240, 75-85.	0.8	26
41	Deep conservation of cis-regulatory elements in metazoans. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130020.	1.8	26
42	The <i>Drosophila</i> <i>Nol12</i> homologue <i>viriato</i> is a dMyc target that regulates nucleolar architecture and is required for dMyc-stimulated cell growth. <i>Development (Cambridge)</i> , 2011, 138, 349-357.	1.2	25
43	<i>SoxF</i> is part of a novel negative-feedback loop in the <i>wingless</i> pathway that controls proliferation in the <i>Drosophila</i> wing disc. <i>Development (Cambridge)</i> , 2009, 136, 761-769.	1.2	24
44	Establishment of the mayfly <i>Cloeon dipterum</i> as a new model system to investigate insect evolution. <i>EvoDevo</i> , 2019, 10, 6.	1.3	22
45	Eye Selector Logic for a Coordinated Cell Cycle Exit. <i>PLoS Genetics</i> , 2015, 11, e1004981.	1.5	20
46	Identification and Analysis of Conserved cis-Regulatory Regions of the MEIS1 Gene. <i>PLoS ONE</i> , 2012, 7, e33617.	1.1	20
47	A conserved transcriptional network regulates lamina development in the <i>Drosophila</i> visual system. <i>Development (Cambridge)</i> , 2014, 141, 2838-2847.	1.2	19
48	The nucleolar protein <i>Viriato/Nol12</i> is required for the growth and differentiation progression activities of the Dpp pathway during <i>Drosophila</i> eye development. <i>Developmental Biology</i> , 2013, 377, 154-165.	0.9	18
49	Genetic and molecular characterization of a novel <i>iab-8</i> regulatory domain in the <i>Abdominal-B</i> gene of <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2002, 129, 5195-5204.	1.2	18
50	Changes in the Blood-Thymus Barrier of Adult Rats after Estradiol-Treatment. <i>Immunobiology</i> , 1995, 192, 231-248.	0.8	17
51	Several Cis-regulatory Elements Control mRNA Stability, Translation Efficiency, and Expression Pattern of <i>Prrx1</i> (Paired Related Homeobox Protein-like 1). <i>Journal of Biological Chemistry</i> , 2013, 288, 36285-36301.	1.6	17
52	Growth control in the <i>Drosophila</i> eye disc by the cytokine <i>Unpaired</i> . <i>Development (Cambridge)</i> , 2017, 144, 837-843.	1.2	17
53	Nuclear receptors connect progenitor transcription factors to cell cycle control. <i>Scientific Reports</i> , 2017, 7, 4845.	1.6	17
54	Phylogeny of the <i>teashirt</i> -related zinc finger (<i>tshz</i>) gene family and analysis of the developmental expression of <i>tshz2</i> and <i>tshz3b</i> in the zebrafish. <i>Developmental Dynamics</i> , 2010, 239, 1010-1018.	0.8	16

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55	The retinal determination gene <i>dachshund</i> restricts cell proliferation by limiting the activity of the Homothorax-Yorkie complex. <i>Development (Cambridge)</i> , 2015, 142, 1470-9.	1.2	16
56	<i>dachshund</i> Potentiates Hedgehog Signaling during <i>Drosophila</i> Retinogenesis. <i>PLoS Genetics</i> , 2016, 12, e1006204.	1.5	15
57	TGF β /Activin signalling is required for ribosome biogenesis and cell growth in <i>Drosophila</i> salivary glands. <i>Open Biology</i> , 2017, 7, 160258.	1.5	15
58	Parallel evolution of a splicing program controlling neuronal excitability in flies and mammals. <i>Science Advances</i> , 2022, 8, eabk0445.	4.7	15
59	The evolution and development of eye size in flies. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2021, 10, e380.	5.9	14
60	Variation in Pleiotropic Hub Gene Expression Is Associated with Interspecific Differences in Head Shape and Eye Size in <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 1924-1942.	3.5	14
61	Dissecting the Transcriptional Regulatory Properties of Human Chromosome 16 Highly Conserved Non-Coding Regions. <i>PLoS ONE</i> , 2011, 6, e24824.	1.1	13
62	Increased avidity for Dpp/BMP2 maintains the proliferation of progenitors-like cells in the <i>Drosophila</i> eye. <i>Developmental Biology</i> , 2016, 418, 98-107.	0.9	13
63	Fast and Furious 800. The Retinal Determination Gene Network in <i>Drosophila</i> . , 2016, , 95-124.		13
64	Antero-posterior patterning of <i>Drosophila</i> ocelli requires an anti-repressor mechanism within the <i>hh</i> pathway mediated by the <i>Six3</i> gene <i>Optix</i> . <i>Development (Cambridge)</i> , 2015, 142, 2801-9.	1.2	12
65	Using fruitflies to help understand the molecular mechanisms of human hereditary diffuse gastric cancer. <i>International Journal of Developmental Biology</i> , 2009, 53, 1557-1561.	0.3	9
66	Regulation of metamorphosis in neopteran insects is conserved in the paleopteran <i>Cloeon dipterum</i> (Ephemeroptera). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
67	Genetic and molecular characterization of a novel <i>iab-8</i> regulatory domain in the Abdominal-B gene of <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2002, 129, 5195-204.	1.2	8
68	Dynamics and function of intron sequences of the <i>wingless</i> gene during the evolution of the <i>Drosophila</i> genus. <i>Evolution & Development</i> , 2004, 6, 325-335.	1.1	7
69	Wnt controls the medial-lateral subdivision of the <i>Drosophila</i> head. <i>Biology Letters</i> , 2018, 14, 20180258.	1.0	7
70	Dynamic Hh signaling can generate temporal information during tissue patterning. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	7
71	An antennal-specific role for <i>bowl</i> in repressing supernumerary appendage development in <i>Drosophila</i> . <i>Mechanisms of Development</i> , 2008, 125, 809-821.	1.7	6
72	Control of size, fate and time by the Hh morphogen in the eyes of flies. <i>Current Topics in Developmental Biology</i> , 2020, 137, 307-332.	1.0	6

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73	Signalling legacies. <i>Nature</i> , 2002, 418, 737-738.	13.7	5
74	Toward a study of gene regulatory constraints to morphological evolution of the <i>Drosophila</i> ocellar region. <i>Development Genes and Evolution</i> , 2016, 226, 221-233.	0.4	5
75	Genomic characterization of a repetitive motif strongly associated with developmental genes in <i>Drosophila</i> . <i>BMC Genomics</i> , 2003, 4, 52.	1.2	4
76	Specific expression and function of the <i>Six3</i> in <i>Drosophila</i> serially homologous organs. <i>Biology Open</i> , 2017, 6, 1155-1164.	0.6	4
77	Quantitative Relationships Between Growth, Differentiation, and Shape That Control <i>Drosophila</i> Eye Development and Its Variation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 681933.	1.8	4
78	Shaping an optical dome: The size and shape of the insect compound eye. <i>Seminars in Cell and Developmental Biology</i> , 2022, 130, 37-44.	2.3	4
79	Iberia: from fable to the bench. <i>International Journal of Developmental Biology</i> , 2009, 53, 1269-1271.	0.3	2
80	Disorder in cellular packing can alter proliferation dynamics to regulate growth. <i>Physical Review E</i> , 2021, 104, L052401.	0.8	2
81	Of Fat flies and Hippos, or the magic of animal size. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 1051-1053.	3.6	1
82	A Toggle-Switch and a Feed-Forward Loop Engage in the Control of the <i>Drosophila</i> Retinal Determination Gene Network. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	1
83	Space colonization by branching trachea explains the morphospace of a simple respiratory organ. <i>Developmental Biology</i> , 2020, 462, 50-59.	0.9	1
84	José Luis Gómez-Skarmeta (1966-2020). <i>Development (Cambridge)</i> , 2020, 147, .	1.2	1
85	22-P008 Comparison of <i>Sowah</i> and <i>Iroquois</i> expression patterns in metazoans: Together but not scrambled. <i>Mechanisms of Development</i> , 2009, 126, S331.	1.7	0
86	Patterning, Dynamics and Evolution in the Ocellar Complex of the Fruit Fly. <i>Understanding Complex Systems</i> , 2018, , 39-62.	0.3	0
87	The Art of Genes: How Organisms Make Themselves. Enrico Coen. <i>Quarterly Review of Biology</i> , 2000, 75, 320-321.	0.0	0
88	Master Control Genes in Development and Evolution: The Homeobox Story. Walter J. Gehring. <i>Quarterly Review of Biology</i> , 1999, 74, 469-470.	0.0	0