Peter A Lawrence

List of Publications by Year
in descending order

110	8,452	53794 45	45317 90
papers	citations	h-index	g-index

122	122	122	3921
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Morphogens, Compartments, and Pattern: Lessons from Drosophila?. Cell, 1996, 85, 951-961.	28.9	547
2	Parasegments and compartments in the Drosophila embryo. Nature, 1985, 313, 639-642.	27.8	518
3	Control of Drosophila body pattern by the hunchback morphogen gradient. Cell, 1992, 69, 237-249.	28.9	512
4	Distribution of the wingless gene product in drosophila embryos: A protein involved in cell-cell communication. Cell, 1989, 59, 739-749.	28.9	455
5	Induction across germ layers in Drosophila mediated by a genetic cascade. Cell, 1990, 62, 261-268.	28.9	353
6	The politics of publication. Nature, 2003, 422, 259-261.	27.8	333
7	Homeobox genes: Their function in Drosophila segmentation and pattern formation. Cell, 1994, 78, 181-189.	28.9	289
8	Borders of parasegments in Drosophila embryos are delimited by the fushi tarazu and even-skipped genes. Nature, 1987, 328, 440-442.	27.8	240
9	Phenocopies induced with antisense RNA identify the wingless gene. Cell, 1987, 50, 659-663.	28.9	237
10	Planar cell polarity: one or two pathways?. Nature Reviews Genetics, 2007, 8, 555-563.	16.3	204
11	Two separate molecular systems, Dachsous/Fat and Starry night/Frizzled,act independently to confer planar cell polarity. Development (Cambridge), 2006, 133, 4561-4572.	2.5	195
12	The development of wingless, a homeotic mutation of Drosophila. Developmental Biology, 1977, 56, 227-240.	2.0	185
13	The mismeasurement of science. Current Biology, 2007, 17, R583-R585.	3.9	177
14	Gradients in the Insect Segment: The Orientation of Hairs in the Milkweed Bug Oncopeltus Fasciatus. Journal of Experimental Biology, 1966, 44, 607-620.	1.7	167
15	Cell lineage in the developing retina of Drosophila. Developmental Biology, 1979, 71, 142-152.	2.0	165
16	The muscle pattern of a segment of Drosophila may be determined by neurons and not by contributing myoblasts. Cell, 1986, 45, 505-513.	28.9	165
17	The early development of mesothoracic compartments in Drosophila. Developmental Biology, 1977, 56, 40-51.	2.0	164
18	Permeability of gap junctions at the segmental border in insect epidermis. Cell, 1982, 28, 243-252.	28.9	151

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19	Cell interactions and planar polarity in the abdominal epidermis ofDrosophila. Development (Cambridge), 2004, 131, 4651-4664.	2.5	150
20	The cellular basis of segmentation in insects. Cell, 1981, 26, 3-10.	28.9	138
21	Developmental Compartments and Planar Polarity in Drosophila. Current Biology, 2002, 12, 1189-1198.	3.9	136
22	Homoeotic genes, compartments and cell determination in Drosophila. Nature, 1977, 265, 211-216.	27.8	133
23	Development of the eye-antenna imaginal disc of Drosophila. Developmental Biology, 1979, 70, 355-371.	2.0	133
24	Four-Jointed Modulates Growth and Planar Polarity by Reducing the Affinity of Dachsous for Fat. Current Biology, 2010, 20, 803-810.	3.9	132
25	Differential regulation of Ultrabithorax in two germ layers of drosophila. Cell, 1988, 53, 567-576.	28.9	123
26	Neural projection patterns from homeotic tissue of Drosophila studied in bithorax mutants and mosaics. Developmental Biology, 1979, 69, 549-575.	2.0	116
27	Cell lineage of the thoracic muscles of drosophila. Cell, 1982, 29, 493-503.	28.9	112
28	Dual Origin of the Renal Tubules in Drosophila. Current Biology, 2003, 13, 1052-1057.	3.9	104
29	Polarity and Patterns in the Postembryonic Development of Insects. Advances in Insect Physiology, 1970, 7, 197-266.	2.7	102
30	Towards a model of the organisation of planar polarity and pattern in theDrosophilaabdomen. Development (Cambridge), 2002, 129, 2749-2760.	2.5	98
31	Compartments in Animal Development. Scientific American, 1979, 241, 102-111.	1.0	93
32	The elements of the bithorax complex. Cell, 1983, 35, 595-601.	28.9	92
33	Expression of engrailed in the parasegment of Drosophila. Nature, 1985, 317, 634-636.	27.8	80
34	The genetic specification of pattern in a drosophila muscle. Cell, 1984, 36, 775-782.	28.9	77
35	Substrate-Borne Vibratory Communication during Courtship in Drosophila melanogaster. Current Biology, 2012, 22, 2180-2185.	3.9	71
36	Do the protocadherins Fat and Dachsous link up to determine both planar cell polarity and the dimensions of organs?. Nature Cell Biology, 2008, 10, 1379-1382.	10.3	70

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37	Regeneration of the segment boundary in Oncopeltus. Developmental Biology, 1981, 85, 317-327.	2.0	69
38	Rank injustice. Nature, 2002, 415, 835-836.	27.8	66
39	Different requirements for homeotic genes in the soma and germ line of Drosophila. Cell, 1983, 35, 27-34.	28.9	65
40	Cellular differentiation and pattern formation during metamorphosis of the milkweed bug Oncopeltus. Developmental Biology, 1969, 19, 12-40.	2.0	63
41	Anterior and posterior compartments in the head of Drosophila. Nature, 1978, 274, 473-474.	27.8	63
42	Dissecting the molecular bridges that mediate the function of Frizzled in planar cell polarity. Development (Cambridge), 2012, 139, 3665-3674.	2.5	62
43	Myoblasts from Drosophila wing disks can contribute to developing muscles throughout the fly. Nature, 1982, 295, 55-57.	27.8	60
44	Morphogens: how big is the big picture?. Nature Cell Biology, 2001, 3, E151-E154.	10.3	52
45	Towards a model of the organisation of planar polarity and pattern in the Drosophila abdomen. Development (Cambridge), 2002, 129, 2749-60.	2.5	52
46	Mosaic and regulative development: two faces of one coin. Current Biology, 2006, 16, R236-R239.	3.9	49
47	The mechanisms of planar cell polarity, growth and the Hippo pathway: Some known unknowns. Developmental Biology, 2013, 377, 1-8.	2.0	46
48	Sensory projections from normal and homoeotically transformed antennae in Drosophila. Developmental Biology, 1981, 82, 224-237.	2.0	39
49	Planar cell polarity: the orientation of larval denticles in Drosophila appears to depend on gradients of Dachsous and Fat. Development (Cambridge), 2010, 137, 3411-3415.	2.5	39
50	Men, Women, and Ghosts in Science. PLoS Biology, 2006, 4, e19.	5.6	37
51	The Hormonal Control of the Development of Hairs and Bristles in the Milkweed Bug, ONCOPELTUS FASCIATUS, DALL. Journal of Experimental Biology, 1966, 44, 507-522.	1.7	34
52	Some new mutants of the Large Milkweed Bug Oncopeltus fasciatus Dall. Genetical Research, 1970, 15, 347-350.	0.9	32
53	Clonal analysis of two wing-scalloping mutants of Drosophila. Developmental Biology, 1981, 84, 206-211.	2.0	30
54	It takes three to distalize. Nature, 1994, 372, 132-133.	27.8	30

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55	Regulation of cell number in Drosopfiila. Nature, 1994, 370, 561-563.	27.8	29
56	The present status of the parasegment. Development (Cambridge), 1988, 104, 61-65.	2.5	28
57	Cell movement during pattern regulation in Oncopeltus. Nature, 1974, 248, 609-610.	27.8	27
58	Regeneration of segment boundaries in Oncopeltus: Cell lineage. Developmental Biology, 1981, 85, 328-333.	2.0	26
59	The phenotype of engrailed mutations in the antenna of Drosophila. Developmental Biology, 1983, 99, 27-33.	2.0	25
60	Compartments in vertebrates?. Nature, 1990, 344, 382-383.	27.8	24
61	Planar cell polarity: two genetic systems use one mechanism to read gradients. Development (Cambridge), 2018, 145, .	2.5	23
62	Maintenance of Boundaries between Developing Organs in Insects. Nature: New Biology, 1973, 242, 31-32.	4.5	22
63	Planar Cell Polarity: A Bridge Too Far?. Current Biology, 2008, 18, R959-R961.	3.9	17
64	Straight and wiggly affinities. Nature, 1997, 389, 546-547.	27.8	16
65	The Structure and Properties of a Compartment Border: the Intersegmental Boundary in Oncopeltus. Novartis Foundation Symposium, 1975, 0, 3-23.	1.1	16
66	Real Lives and White Lies in the Funding of Scientific Research. PLoS Biology, 2009, 7, e1000197.	5.6	15
67	Drosophila segmentation: after the first three hours. Development (Cambridge), 1993, 119, 971-976.	2.5	15
68	Observations on cell lineage of internal organs of Drosophila. Development (Cambridge), 1986, 91, 251-266.	2.5	15
69	An exciting period of Drosophila developmental biology: Of imaginal discs, clones, compartments, parasegments and homeotic genes. Developmental Biology, 2022, 484, 12-21.	2.0	15
70	The Last 50 Years. Current Topics in Developmental Biology, 2016, 116, 617-631.	2.2	14
71	A man for our season. Nature, 1997, 386, 757-758.	27.8	13
72	The abdomen of Drosophila: does planar cell polarity orient the neurons of mechanosensory bristles?. Neural Development, 2008, 3, 12.	2.4	13

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73	Regions within a single epidermal cell of Drosophila can be planar polarised independently. ELife, 2015, 4, .	6.0	13
74	Science or alchemy?. Nature Reviews Genetics, 2001, 2, 139-142.	16.3	12
75	Last hideout of the unknown?. Nature, 2004, 429, 247-247.	27.8	12
76	How does thefushi tarazu gene activateengrailed in theDrosophila embryo?. , 1998, 23, 28-34.		11
77	The muscle pattern of the Drosophila abdomen depends on a subdivision of the anterior compartment of each segment. Development (Cambridge), 2012, 139, 75-83.	2.5	11
78	Planar cell polarity: thepricklegene acts independently on both the Ds/Ft and the Stan/Fz systems. Development (Cambridge), 2018, 145, .	2.5	10
79	Plasticity of both planar cell polarity and cell identity during the development of Drosophila. ELife, 2014, 3, e01569.	6.0	10
80	Early development of the thoracic discs ofDrosophila. Wilhelm Roux's Archives of Developmental Biology, 1979, 187, 375-379.	1.4	9
81	Notes on the genetics of pattern formation in the internal organs of Drosophila. Trends in Neurosciences, 1985, 8, 267-269.	8.6	9
82	Wingless signalling: More about the Wingless morphogen. Current Biology, 2001, 11, R638-R639.	3.9	9
83	Lighting up Drosophila. Nature, 1992, 356, 107-108.	27.8	8
84	The Cell Cycle and Cellular Differentiation in Insects. Results and Problems in Cell Differentiation, 1975, , 111-121.	0.7	8
85	A no-wing situation. Nature, 1993, 366, 305-306.	27.8	7
86	Retiring retirement. Nature, 2008, 453, 588-590.	27.8	7
87	Planar cell polarity: the Dachsous/Fat system contributes differently to the embryonic and larval stages ofDrosophila. Biology Open, 2016, 5, 397-408.	1.2	7
88	Problems and paradigms: Homoeotic selector genes - a working definition. BioEssays, 1984, 1, 227-229.	2.5	6
89	Planar cell polarity in the larval epidermis of Drosophila and the role of microtubules. Open Biology, 2020, 10, 200290.	3.6	6
90	A marriage is consummated. Nature, 1991, 352, 193-193.	27.8	5

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91	Planar cell polarity. Fly, 2011, 5, 126-128.	1.7	5
92	Compartmentalization and growth of the Drosophila abdomen. Development (Cambridge), 1978, 43, 233-245.	2.5	5
93	Theoretical embryology: a route to extinction?. Current Biology, 2004, 14, R7-R8.	3.9	4
94	Developmental biology: A new homeotic gene. Nature, 1983, 306, 643-643.	27.8	3
95	A refutation to â€˜A new A-P compartment boundary and organizer in holometabolous insect wingsâ€™. Scientific Reports, 2019, 9, 7049.	3.3	3
96	Drosophila development: Compartment genes in hand. Nature, 1985, 313, 268-269.	27.8	2
97	Mechanosensilla in the adult abdomen of Drosophila: engrailed and slit help to corral the peripheral sensory axons into segmental bundles. Development (Cambridge), 2010, 137, 2885-2894.	2.5	1
98	Francis Crick: A Singular Approach to Scientific Discovery. Cell, 2016, 167, 1436-1439.	28.9	1
99	RNA and generation of positional information. Nature, 1976, 264, 604-604.	27.8	0
100	Genes in development. Nature, 1977, 270, 477-478.	27.8	0
101	Squaring the circle. Nature, 1979, 280, 722-723.	27.8	0
102	Q & A. Current Biology, 2003, 13, R82.	3.9	0
103	A WIGGLESWORTH CLASSIC: HOW CELLS MAKE PATTERNS. Journal of Experimental Biology, 2004, 207, 192-193.	1.7	0
104	Let's encourage gentler, more reflective scientists. Nature, 2006, 442, 510-510.	27.8	0
105	Biography of Crick aims to inspire a wider audience. Nature, 2006, 444, 1002-1002.	27.8	0
106	Sydney Brenner: a master of science and of wit. Development (Cambridge), 2019, 146, .	2.5	0
107	Compartments in the Development of Drosophila: a Progress Report. , 1977, , 89-95.		0
108	CELL LINEAGE IN INSECT DEVELOPMENT. , 1979, , 167-170.		0

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109	11. OrganogenÃ¨se. , 2017, , 446-519.		0
110	2. Mise en place du plan dâ€™organisation de la drosophile. , 2017, , 37-102.		0