

Peter A Lawrence

List of Publications by Year in descending order

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110
papers

8,452
citations

61687

45
h-index

51423

90
g-index

122
all docs

122
docs citations

122
times ranked

4382
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphogens, Compartments, and Pattern: Lessons from Drosophila?. Cell, 1996, 85, 951-961.	13.5	547
2	Parasegments and compartments in the Drosophila embryo. Nature, 1985, 313, 639-642.	13.7	518
3	Control of Drosophila body pattern by the hunchback morphogen gradient. Cell, 1992, 69, 237-249.	13.5	512
4	Distribution of the wingless gene product in drosophila embryos: A protein involved in cell-cell communication. Cell, 1989, 59, 739-749.	13.5	455
5	Induction across germ layers in Drosophila mediated by a genetic cascade. Cell, 1990, 62, 261-268.	13.5	353
6	The politics of publication. Nature, 2003, 422, 259-261.	13.7	333
7	Homeobox genes: Their function in Drosophila segmentation and pattern formation. Cell, 1994, 78, 181-189.	13.5	289
8	Borders of parasegments in Drosophila embryos are delimited by the fushi tarazu and even-skipped genes. Nature, 1987, 328, 440-442.	13.7	240
9	Phenocopies induced with antisense RNA identify the wingless gene. Cell, 1987, 50, 659-663.	13.5	237
10	Planar cell polarity: one or two pathways?. Nature Reviews Genetics, 2007, 8, 555-563.	7.7	204
11	Two separate molecular systems, Dachshous/Fat and Starry night/Frizzled, act independently to confer planar cell polarity. Development (Cambridge), 2006, 133, 4561-4572.	1.2	195
12	The development of wingless, a homeotic mutation of Drosophila. Developmental Biology, 1977, 56, 227-240.	0.9	185
13	The mismeasurement of science. Current Biology, 2007, 17, R583-R585.	1.8	177
14	Gradients in the Insect Segment: The Orientation of Hairs in the Milkweed Bug <i>Oncopeltus Fasciatus</i> . Journal of Experimental Biology, 1966, 44, 607-620.	0.8	167
15	Cell lineage in the developing retina of Drosophila. Developmental Biology, 1979, 71, 142-152.	0.9	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.	13.5	165
17	The early development of mesothoracic compartments in Drosophila. Developmental Biology, 1977, 56, 40-51.	0.9	164
18	Permeability of gap junctions at the segmental border in insect epidermis. Cell, 1982, 28, 243-252.	13.5	151

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19	Cell interactions and planar polarity in the abdominal epidermis of <i>Drosophila</i> . <i>Development</i> (Cambridge), 2004, 131, 4651-4664.	1.2	150
20	The cellular basis of segmentation in insects. <i>Cell</i> , 1981, 26, 3-10.	13.5	138
21	Developmental Compartments and Planar Polarity in <i>Drosophila</i> . <i>Current Biology</i> , 2002, 12, 1189-1198.	1.8	136
22	Homeotic genes, compartments and cell determination in <i>Drosophila</i> . <i>Nature</i> , 1977, 265, 211-216.	13.7	133
23	Development of the eye-antenna imaginal disc of <i>Drosophila</i> . <i>Developmental Biology</i> , 1979, 70, 355-371.	0.9	133
24	Four-Jointed Modulates Growth and Planar Polarity by Reducing the Affinity of <i>Dachsous</i> for Fat. <i>Current Biology</i> , 2010, 20, 803-810.	1.8	132
25	Differential regulation of <i>Ultrabithorax</i> in two germ layers of <i>drosophila</i> . <i>Cell</i> , 1988, 53, 567-576.	13.5	123
26	Neural projection patterns from homeotic tissue of <i>Drosophila</i> studied in <i>bithorax</i> mutants and mosaics. <i>Developmental Biology</i> , 1979, 69, 549-575.	0.9	116
27	Cell lineage of the thoracic muscles of <i>drosophila</i> . <i>Cell</i> , 1982, 29, 493-503.	13.5	112
28	Dual Origin of the Renal Tubules in <i>Drosophila</i> . <i>Current Biology</i> , 2003, 13, 1052-1057.	1.8	104
29	Polarity and Patterns in the Postembryonic Development of Insects. <i>Advances in Insect Physiology</i> , 1970, 7, 197-266.	1.1	102
30	Towards a model of the organisation of planar polarity and pattern in the <i>Drosophila</i> abdomen. <i>Development</i> (Cambridge), 2002, 129, 2749-2760.	1.2	98
31	Compartments in Animal Development. <i>Scientific American</i> , 1979, 241, 102-111.	1.0	93
32	The elements of the <i>bithorax</i> complex. <i>Cell</i> , 1983, 35, 595-601.	13.5	92
33	Expression of <i>engrailed</i> in the parasegment of <i>Drosophila</i> . <i>Nature</i> , 1985, 317, 634-636.	13.7	80
34	The genetic specification of pattern in a <i>drosophila</i> muscle. <i>Cell</i> , 1984, 36, 775-782.	13.5	77
35	Substrate-Borne Vibratory Communication during Courtship in <i>Drosophila melanogaster</i> . <i>Current Biology</i> , 2012, 22, 2180-2185.	1.8	71
36	Do the protocadherins <i>Fat</i> and <i>Dachsous</i> link up to determine both planar cell polarity and the dimensions of organs?. <i>Nature Cell Biology</i> , 2008, 10, 1379-1382.	4.6	70

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37	Regeneration of the segment boundary in <i>Oncopeltus</i> . <i>Developmental Biology</i> , 1981, 85, 317-327.	0.9	69
38	Rank injustice. <i>Nature</i> , 2002, 415, 835-836.	13.7	66
39	Different requirements for homeotic genes in the soma and germ line of <i>Drosophila</i> . <i>Cell</i> , 1983, 35, 27-34.	13.5	65
40	Cellular differentiation and pattern formation during metamorphosis of the milkweed bug <i>Oncopeltus</i> . <i>Developmental Biology</i> , 1969, 19, 12-40.	0.9	63
41	Anterior and posterior compartments in the head of <i>Drosophila</i> . <i>Nature</i> , 1978, 274, 473-474.	13.7	63
42	Dissecting the molecular bridges that mediate the function of Frizzled in planar cell polarity. <i>Development (Cambridge)</i> , 2012, 139, 3665-3674.	1.2	62
43	Myoblasts from <i>Drosophila</i> wing disks can contribute to developing muscles throughout the fly. <i>Nature</i> , 1982, 295, 55-57.	13.7	60
44	Morphogens: how big is the big picture?. <i>Nature Cell Biology</i> , 2001, 3, E151-E154.	4.6	52
45	Towards a model of the organisation of planar polarity and pattern in the <i>Drosophila</i> abdomen. <i>Development (Cambridge)</i> , 2002, 129, 2749-60.	1.2	52
46	Mosaic and regulative development: two faces of one coin. <i>Current Biology</i> , 2006, 16, R236-R239.	1.8	49
47	The mechanisms of planar cell polarity, growth and the Hippo pathway: Some known unknowns. <i>Developmental Biology</i> , 2013, 377, 1-8.	0.9	46
48	Sensory projections from normal and homoeotically transformed antennae in <i>Drosophila</i> . <i>Developmental Biology</i> , 1981, 82, 224-237.	0.9	39
49	Planar cell polarity: the orientation of larval denticles in <i>Drosophila</i> appears to depend on gradients of <i>Dachsous</i> and <i>Fat</i> . <i>Development (Cambridge)</i> , 2010, 137, 3411-3415.	1.2	39
50	Men, Women, and Ghosts in Science. <i>PLoS Biology</i> , 2006, 4, e19.	2.6	37
51	The Hormonal Control of the Development of Hairs and Bristles in the Milkweed Bug, <i>ONCOPELTUS FASCIATUS</i> , DALL. <i>Journal of Experimental Biology</i> , 1966, 44, 507-522.	0.8	34
52	Some new mutants of the Large Milkweed Bug <i>Oncopeltus fasciatus</i> Dall. <i>Genetical Research</i> , 1970, 15, 347-350.	0.3	32
53	Clonal analysis of two wing-scalloping mutants of <i>Drosophila</i> . <i>Developmental Biology</i> , 1981, 84, 206-211.	0.9	30
54	It takes three to distalize. <i>Nature</i> , 1994, 372, 132-133.	13.7	30

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55	Regulation of cell number in <i>Drosophila</i> . <i>Nature</i> , 1994, 370, 561-563.	13.7	29
56	The present status of the parasegment. <i>Development (Cambridge)</i> , 1988, 104, 61-65.	1.2	28
57	Cell movement during pattern regulation in <i>Oncopeltus</i> . <i>Nature</i> , 1974, 248, 609-610.	13.7	27
58	Regeneration of segment boundaries in <i>Oncopeltus</i> : Cell lineage. <i>Developmental Biology</i> , 1981, 85, 328-333.	0.9	26
59	The phenotype of engrailed mutations in the antenna of <i>Drosophila</i> . <i>Developmental Biology</i> , 1983, 99, 27-33.	0.9	25
60	Compartments in vertebrates?. <i>Nature</i> , 1990, 344, 382-383.	13.7	24
61	Planar cell polarity: two genetic systems use one mechanism to read gradients. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	23
62	Maintenance of Boundaries between Developing Organs in Insects. <i>Nature: New Biology</i> , 1973, 242, 31-32.	4.5	22
63	Planar Cell Polarity: A Bridge Too Far?. <i>Current Biology</i> , 2008, 18, R959-R961.	1.8	17
64	Straight and wiggly affinities. <i>Nature</i> , 1997, 389, 546-547.	13.7	16
65	The Structure and Properties of a Compartment Border: the Intersegmental Boundary in <i>Oncopeltus</i> . <i>Novartis Foundation Symposium</i> , 1975, 0, 3-23.	1.2	16
66	Real Lives and White Lies in the Funding of Scientific Research. <i>PLoS Biology</i> , 2009, 7, e1000197.	2.6	15
67	<i>Drosophila</i> segmentation: after the first three hours. <i>Development (Cambridge)</i> , 1993, 119, 971-976.	1.2	15
68	Observations on cell lineage of internal organs of <i>Drosophila</i> . <i>Development (Cambridge)</i> , 1986, 91, 251-266.	1.2	15
69	An exciting period of <i>Drosophila</i> developmental biology: Of imaginal discs, clones, compartments, parasegments and homeotic genes. <i>Developmental Biology</i> , 2022, 484, 12-21.	0.9	15
70	The Last 50 Years. <i>Current Topics in Developmental Biology</i> , 2016, 116, 617-631.	1.0	14
71	A man for our season. <i>Nature</i> , 1997, 386, 757-758.	13.7	13
72	The abdomen of <i>Drosophila</i> : does planar cell polarity orient the neurons of mechanosensory bristles?. <i>Neural Development</i> , 2008, 3, 12.	1.1	13

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73	Regions within a single epidermal cell of <i>Drosophila</i> can be planar polarised independently. <i>ELife</i> , 2015, 4, .	2.8	13
74	Science or alchemy?. <i>Nature Reviews Genetics</i> , 2001, 2, 139-142.	7.7	12
75	Last hideout of the unknown?. <i>Nature</i> , 2004, 429, 247-247.	13.7	12
76	How does the <i>fushi tarazu</i> gene activate <i>engrailed</i> in the <i>Drosophila</i> embryo?. , 1998, 23, 28-34.		11
77	The muscle pattern of the <i>Drosophila</i> abdomen depends on a subdivision of the anterior compartment of each segment. <i>Development (Cambridge)</i> , 2012, 139, 75-83.	1.2	11
78	Planar cell polarity: the <i>prickle</i> gene acts independently on both the <i>Ds/Ft</i> and the <i>Stan/Fz</i> systems. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	10
79	Plasticity of both planar cell polarity and cell identity during the development of <i>Drosophila</i> . <i>ELife</i> , 2014, 3, e01569.	2.8	10
80	Early development of the thoracic discs of <i>Drosophila</i> . <i>Wilhelm Roux's Archives of Developmental Biology</i> , 1979, 187, 375-379.	1.4	9
81	Notes on the genetics of pattern formation in the internal organs of <i>Drosophila</i> . <i>Trends in Neurosciences</i> , 1985, 8, 267-269.	4.2	9
82	Wingless signalling: More about the Wingless morphogen. <i>Current Biology</i> , 2001, 11, R638-R639.	1.8	9
83	Lighting up <i>Drosophila</i> . <i>Nature</i> , 1992, 356, 107-108.	13.7	8
84	The Cell Cycle and Cellular Differentiation in Insects. <i>Results and Problems in Cell Differentiation</i> , 1975, , 111-121.	0.2	8
85	A no-wing situation. <i>Nature</i> , 1993, 366, 305-306.	13.7	7
86	Retiring retirement. <i>Nature</i> , 2008, 453, 588-590.	13.7	7
87	Planar cell polarity: the <i>Dachsous/Fat</i> system contributes differently to the embryonic and larval stages of <i>Drosophila</i> . <i>Biology Open</i> , 2016, 5, 397-408.	0.6	7
88	Problems and paradigms: Homoeotic selector genes - a working definition. <i>BioEssays</i> , 1984, 1, 227-229.	1.2	6
89	Planar cell polarity in the larval epidermis of <i>Drosophila</i> and the role of microtubules. <i>Open Biology</i> , 2020, 10, 200290.	1.5	6
90	A marriage is consummated. <i>Nature</i> , 1991, 352, 193-193.	13.7	5

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91	Planar cell polarity. <i>Fly</i> , 2011, 5, 126-128.	0.9	5
92	Compartmentalization and growth of the <i>Drosophila</i> abdomen. <i>Development (Cambridge)</i> , 1978, 43, 233-245.	1.2	5
93	Theoretical embryology: a route to extinction?. <i>Current Biology</i> , 2004, 14, R7-R8.	1.8	4
94	Developmental biology: A new homeotic gene. <i>Nature</i> , 1983, 306, 643-643.	13.7	3
95	A refutation to "A new A-P compartment boundary and organizer in holometabolous insect wings". <i>Scientific Reports</i> , 2019, 9, 7049.	1.6	3
96	<i>Drosophila</i> development: Compartment genes in hand. <i>Nature</i> , 1985, 313, 268-269.	13.7	2
97	Mechanosensilla in the adult abdomen of <i>Drosophila</i> : engrailed and slit help to corral the peripheral sensory axons into segmental bundles. <i>Development (Cambridge)</i> , 2010, 137, 2885-2894.	1.2	1
98	Francis Crick: A Singular Approach to Scientific Discovery. <i>Cell</i> , 2016, 167, 1436-1439.	13.5	1
99	RNA and generation of positional information. <i>Nature</i> , 1976, 264, 604-604.	13.7	0
100	Genes in development. <i>Nature</i> , 1977, 270, 477-478.	13.7	0
101	Squaring the circle. <i>Nature</i> , 1979, 280, 722-723.	13.7	0
102	Q & A. <i>Current Biology</i> , 2003, 13, R82.	1.8	0
103	A WIGGLESWORTH CLASSIC: HOW CELLS MAKE PATTERNS. <i>Journal of Experimental Biology</i> , 2004, 207, 192-193.	0.8	0
104	Let's encourage gentler, more reflective scientists. <i>Nature</i> , 2006, 442, 510-510.	13.7	0
105	Biography of Crick aims to inspire a wider audience. <i>Nature</i> , 2006, 444, 1002-1002.	13.7	0
106	Sydney Brenner: a master of science and of wit. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	0
107	Compartments in the Development of <i>Drosophila</i> : a Progress Report. , 1977, , 89-95.		0
108	CELL LINEAGE IN INSECT DEVELOPMENT. , 1979, , 167-170.		0

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109	11. Organogenèse, 2017, , 446-519.		0
110	2. Mise en place du plan d'organisation de la drosophile. , 2017, , 37-102.		0