

Peter A Lawrence

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99 papers	7,340 citations	44 h-index	85 g-index
122 ext. papers	7,825 ext. citations	23.9 avg, IF	5.86 L-index

#	Paper	IF	Citations
99	Morphogens, compartments, and pattern: lessons from drosophila?. <i>Cell</i> , 1996 , 85, 951-61	56.2	497
98	Parasegments and compartments in the Drosophila embryo. <i>Nature</i> , 1985 , 313, 639-42	50.4	448
97	Control of Drosophila body pattern by the hunchback morphogen gradient. <i>Cell</i> , 1992 , 69, 237-249	56.2	429
96	Distribution of the wingless gene product in Drosophila embryos: a protein involved in cell-cell communication. <i>Cell</i> , 1989 , 59, 739-49	56.2	415
95	Induction across germ layers in Drosophila mediated by a genetic cascade. <i>Cell</i> , 1990 , 62, 261-8	56.2	309
94	Homeobox genes: their function in Drosophila segmentation and pattern formation. <i>Cell</i> , 1994 , 78, 181-9	56.2	257
93	The politics of publication. <i>Nature</i> , 2003 , 422, 259-61	50.4	255
92	Borders of parasegments in Drosophila embryos are delimited by the fushi tarazu and even-skipped genes. <i>Nature</i> , 1987 , 328, 440-2	50.4	212
91	Phenocopies induced with antisense RNA identify the wingless gene. <i>Cell</i> , 1987 , 50, 659-63	56.2	206
90	Planar cell polarity: one or two pathways?. <i>Nature Reviews Genetics</i> , 2007 , 8, 555-63	30.1	196
89	Two separate molecular systems, Dachshous/Fat and Starry night/Frizzled, act independently to confer planar cell polarity. <i>Development (Cambridge)</i> , 2006 , 133, 4561-72	6.6	181
88	The development of wingless, a homeotic mutation of Drosophila. <i>Developmental Biology</i> , 1977 , 56, 227-40	3.1	168
87	The early development of mesothoracic compartments in Drosophila. An analysis of cell lineage and fate mapping and an assessment of methods. <i>Developmental Biology</i> , 1977 , 56, 40-51	3.1	153
86	Cell lineage in the developing retina of Drosophila. <i>Developmental Biology</i> , 1979 , 71, 142-52	3.1	147
85	The muscle pattern of a segment of Drosophila may be determined by neurons and not by contributing myoblasts. <i>Cell</i> , 1986 , 45, 505-13	56.2	146
84	Gradients in the Insect Segment: The Orientation of Hairs in the Milkweed Bug Oncopeltus Fasciatus. <i>Journal of Experimental Biology</i> , 1966 , 44, 607-620	3	143
83	Cell interactions and planar polarity in the abdominal epidermis of Drosophila. <i>Development (Cambridge)</i> , 2004 , 131, 4651-64	6.6	139

82	Permeability of gap junctions at the segmental border in insect epidermis. <i>Cell</i> , 1982 , 28, 243-52	56.2	138
81	Developmental compartments and planar polarity in <i>Drosophila</i> . <i>Current Biology</i> , 2002 , 12, 1189-98	6.3	126
80	The mismeasurement of science. <i>Current Biology</i> , 2007 , 17, R583-5	6.3	122
79	Four-jointed modulates growth and planar polarity by reducing the affinity of dachsous for fat. <i>Current Biology</i> , 2010 , 20, 803-10	6.3	121
78	The cellular basis of segmentation in insect. <i>Cell</i> , 1981 , 26, 3-10	56.2	121
77	Homoeotic genes, compartments and cell determination in <i>Drosophila</i> . <i>Nature</i> , 1977 , 265, 211-6	50.4	120
76	Development of the eye-antenna imaginal disc of <i>Drosophila</i> . <i>Developmental Biology</i> , 1979 , 70, 355-71	3.1	116
75	Differential regulation of Ultrabithorax in two germ layers of <i>Drosophila</i> . <i>Cell</i> , 1988 , 53, 567-76	56.2	111
74	Neural projection patterns from homeotic tissue of <i>Drosophila</i> studied in bithorax mutants and mosaics. <i>Developmental Biology</i> , 1979 , 69, 549-75	3.1	109
73	Cell lineage of the thoracic muscles of <i>Drosophila</i> . <i>Cell</i> , 1982 , 29, 493-503	56.2	100
72	Towards a model of the organisation of planar polarity and pattern in the <i>Drosophila</i> abdomen. <i>Development (Cambridge)</i> , 2002 , 129, 2749-2760	6.6	88
71	Dual origin of the renal tubules in <i>Drosophila</i> : mesodermal cells integrate and polarize to establish secretory function. <i>Current Biology</i> , 2003 , 13, 1052-7	6.3	86
70	Polarity and Patterns in the Postembryonic Development of Insects. <i>Advances in Insect Physiology</i> , 1970 , 7, 197-266	2.5	85
69	The elements of the bithorax complex. <i>Cell</i> , 1983 , 35, 595-601	56.2	76
68	Expression of engrailed in the parasegment of <i>Drosophila</i> . <i>Nature</i> , 1985 , 317, 634-636	50.4	70
67	Compartments in Animal Development. <i>Scientific American</i> , 1979 , 241, 102-111	0.5	70
66	The genetic specification of pattern in a <i>Drosophila</i> muscle. <i>Cell</i> , 1984 , 36, 775-82	56.2	68
65	Do the protocadherins Fat and Dachous link up to determine both planar cell polarity and the dimensions of organs?. <i>Nature Cell Biology</i> , 2008 , 10, 1379-82	23.4	63

64	Regeneration of the segment boundary in <i>Oncopeltus</i> . <i>Developmental Biology</i> , 1981 , 85, 317-27	3.1	59
63	Different requirements for homeotic genes in the soma and germ line of <i>Drosophila</i> . <i>Cell</i> , 1983 , 35, 27-34	6.2	58
62	Cellular differentiation and pattern formation during metamorphosis of the milkweed bug <i>Oncopeltus</i> . <i>Developmental Biology</i> , 1969 , 19, 12-40	3.1	58
61	Substrate-borne vibratory communication during courtship in <i>Drosophila melanogaster</i> . <i>Current Biology</i> , 2012 , 22, 2180-5	6.3	57
60	Rank injustice. <i>Nature</i> , 2002 , 415, 835-6	50.4	56
59	Anterior and posterior compartments in the head of <i>Drosophila</i> . <i>Nature</i> , 1978 , 274, 473-4	50.4	56
58	Dissecting the molecular bridges that mediate the function of Frizzled in planar cell polarity. <i>Development (Cambridge)</i> , 2012 , 139, 3665-74	6.6	54
57	Myoblasts from <i>Drosophila</i> wing disks can contribute to developing muscles throughout the fly. <i>Nature</i> , 1982 , 295, 55-57	50.4	52
56	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	6.6	52
55	The mechanisms of planar cell polarity, growth and the Hippo pathway: some known unknowns. <i>Developmental Biology</i> , 2013 , 377, 1-8	3.1	41
54	Morphogens: how big is the big picture?. <i>Nature Cell Biology</i> , 2001 , 3, E151-4	23.4	41
53	Planar cell polarity: the orientation of larval denticles in <i>Drosophila</i> appears to depend on gradients of Dachsous and Fat. <i>Development (Cambridge)</i> , 2010 , 137, 3411-5	6.6	38
52	Sensory projections from normal and homoeotically transformed antennae in <i>Drosophila</i> . <i>Developmental Biology</i> , 1981 , 82, 224-37	3.1	37
51	Mosaic and regulative development: two faces of one coin. <i>Current Biology</i> , 2006 , 16, R236-9	6.3	36
50	Men, women, and ghosts in science. <i>PLoS Biology</i> , 2006 , 4, e19	9.7	29
49	Some new mutants of the Large Milkweed Bug <i>Oncopeltus fasciatus</i> Dall. <i>Genetical Research</i> , 1970 , 15, 347-350	1.1	29
48	Regulation of cell number in <i>Drosophila</i> . <i>Nature</i> , 1994 , 370, 561-3	50.4	28
47	Clonal analysis of two wing-scalloping mutants of <i>Drosophila</i> . <i>Developmental Biology</i> , 1981 , 84, 206-11	3.1	27

46	The Hormonal Control of the Development of Hairs and Bristles in the Milkweed Bug, ONCOPELTUS FASCIATUS, DALL. <i>Journal of Experimental Biology</i> , 1966 , 44, 507-522	3	27
45	Cell movement during pattern regulation in Oncopeltus. <i>Nature</i> , 1974 , 248, 609-10	50.4	26
44	The present status of the parasegment. <i>Development (Cambridge)</i> , 1988 , 104, 61-65	6.6	24
43	Regeneration of segment boundaries in oncopeltus: cell lineage. <i>Developmental Biology</i> , 1981 , 85, 328-331	3.1	21
42	The phenotype of engrailed mutations in the antenna of Drosophila. <i>Developmental Biology</i> , 1983 , 99, 27-33	3.1	20
41	Maintenance of boundaries between developing organs in insects. <i>Nature: New Biology</i> , 1973 , 242, 31-2		18
40	Planar cell polarity: A bridge too far?. <i>Current Biology</i> , 2008 , 18, R959-61	6.3	16
39	Last hideout of the unknown?. <i>Nature</i> , 2004 , 429, 247	50.4	12
38	Drosophila segmentation: after the first three hours. <i>Development (Cambridge)</i> , 1993 , 119, 971-976	6.6	12
37	Real lives and white lies in the funding of scientific research: the granting system turns young scientists into bureaucrats and then betrays them. <i>PLoS Biology</i> , 2009 , 7, e1000197	9.7	11
36	Science or alchemy?. <i>Nature Reviews Genetics</i> , 2001 , 2, 139-42	30.1	10
35	Regions within a single epidermal cell of Drosophila can be planar polarised independently. <i>ELife</i> , 2015 , 4,	8.9	10
34	The structure and properties of a compartment border: the intersegmental boundary in Oncopeltus. <i>Novartis Foundation Symposium</i> , 1975 , 3-23		10
33	The muscle pattern of the Drosophila abdomen depends on a subdivision of the anterior compartment of each segment. <i>Development (Cambridge)</i> , 2012 , 139, 75-83	6.6	9
32	The abdomen of Drosophila: does planar cell polarity orient the neurons of mechanosensory bristles?. <i>Neural Development</i> , 2008 , 3, 12	3.9	9
31	Planar cell polarity: two genetic systems use one mechanism to read gradients. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	9
30	A man for our season. <i>Nature</i> , 1997 , 386, 757-8	50.4	8
29	How does the fushi tarazu gene activate engrailed in the Drosophila embryo?. <i>Genesis</i> , 1998 , 23, 28-34		8

28	Wingless signalling: more about the Wingless morphogen. <i>Current Biology</i> , 2001 , 11, R638-9	6.3	8
27	Early development of the thoracic discs of <i>Drosophila</i> . <i>Wilhelm Roux's Archives of Developmental Biology</i> , 1979 , 187, 375-379		8
26	Planar cell polarity: the gene acts independently on both the Ds/Ft and the Stan/Fz systems. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	8
25	The Last 50 Years: Mismeasurement and Mismanagement Are Impeding Scientific Research. <i>Current Topics in Developmental Biology</i> , 2016 , 116, 617-31	5.3	7
24	Notes on the genetics of pattern formation in the internal organs of <i>Drosophila</i> . <i>Trends in Neurosciences</i> , 1985 , 8, 267-269	13.3	7
23	Plasticity of both planar cell polarity and cell identity during the development of <i>Drosophila</i> . <i>ELife</i> , 2014 , 3, e01569	8.9	7
22	The Cell Cycle and Cellular Differentiation in Insects. <i>Results and Problems in Cell Differentiation</i> , 1975 , 111-121	1.4	7
21	Planar cell polarity: the Dachsous/Fat system contributes differently to the embryonic and larval stages of <i>Drosophila</i> . <i>Biology Open</i> , 2016 , 5, 397-408	2.2	6
20	Retiring retirement. <i>Nature</i> , 2008 , 453, 588-90	50.4	5
19	Problems and paradigms: Homoeotic selector genes & a working definition. <i>BioEssays</i> , 1984 , 1, 227-229	4.1	5
18	Theoretical embryology: a route to extinction?. <i>Current Biology</i> , 2004 , 14, R7-8	6.3	4
17	A refutation to 'A new A-P compartment boundary and organizer in holometabolous insect wings'. <i>Scientific Reports</i> , 2019 , 9, 7049	4.9	3
16	Planar cell polarity: fashioning solutions. <i>Fly</i> , 2011 , 5, 126-8	1.3	3
15	Planar cell polarity in the larval epidermis of and the role of microtubules. <i>Open Biology</i> , 2020 , 10, 200290		3
14	Observations on cell lineage of internal organs of <i>Drosophila</i> . <i>Development (Cambridge)</i> , 1986 , 91, 251-266		2
13	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, 2885-94	6.6	1
12	Francis Crick: A Singular Approach to Scientific Discovery. <i>Cell</i> , 2016 , 167, 1436-1439	56.2	1
11	An exciting period of <i>Drosophila</i> developmental biology: Of imaginal discs, clones, compartments, parasegments and homeotic genes". <i>Developmental Biology</i> , 2022 , 484, 12-12	3.1	0

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2. Mise en place du plan d'organisation de la drosophile **2017**, 37-102

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