

# David A Weisblat

## List of Publications by Year in descending order

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71  
papers

2,689  
citations

201385

27  
h-index

189595

50  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2021  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into bilaterian evolution from three spiralian genomes. <i>Nature</i> , 2013, 493, 526-531.	13.7	564
2	Embryonic origins of cells in the leech <i>Helobdella triserialis</i> . <i>Developmental Biology</i> , 1984, 104, 65-85.	0.9	158
3	Embryonic cell lineages in the nervous system of the Glossiphoniid leech <i>Helobdella triserialis</i> . <i>Developmental Biology</i> , 1980, 76, 58-78.	0.9	139
4	Evolutionary Dynamics of the wnt Gene Family: A Lophotrochozoan Perspective. <i>Molecular Biology and Evolution</i> , 2010, 27, 1645-1658.	3.5	115
5	Stochastic WNT signaling between nonequivalent cells regulates adhesion but not fate in the two-cell leech embryo. <i>Current Biology</i> , 2001, 11, 1-7.	1.8	100
6	Developmental interdeterminacy in embryos of the leech <i>Helobdella triserialis</i> . <i>Developmental Biology</i> , 1984, 101, 326-335.	0.9	88
7	Stepwise commitment of blast cell fates during the positional specification of the O and P cell lines in the leech embryo. <i>Developmental Biology</i> , 1984, 106, 326-342.	0.9	85
8	Lessons from leeches: a call for DNA barcoding in the lab. <i>Evolution &amp; Development</i> , 2006, 8, 491-501.	1.1	77
9	Maternal and Zygotic Expression of a nanos-Class Gene in the Leech <i>Helobdella robusta</i> : Primordial Germ Cells Arise from Segmental Mesoderm. <i>Developmental Biology</i> , 2002, 245, 28-41.	0.9	71
10	Development of the Leech Nervous System. <i>International Review of Neurobiology</i> , 1992, 33, 109-193.	0.9	65
11	A provisional epithelium in leech embryo: Cellular origins and influence on a developmental equivalence group. <i>Developmental Biology</i> , 1987, 120, 520-534.	0.9	58
12	A hedgehog homolog regulates gut formation in leech( <i>Helobdella</i> ). <i>Development (Cambridge)</i> , 2003, 130, 1645-1657.	1.2	58
13	A New Molecular Logic for BMP-Mediated Dorsoventral Patterning in the Leech <i>Helobdella</i> . <i>Current Biology</i> , 2011, 21, 1282-1288.	1.8	57
14	Centrifugation redistributes factors determining cleavage patterns in leech embryos. <i>Developmental Biology</i> , 1987, 120, 270-283.	0.9	55
15	An overview of glossiphoniid leech development. <i>Canadian Journal of Zoology</i> , 2001, 79, 218-232.	0.4	55
16	Early differences between alternate n blast cells in leech embryo. <i>Journal of Neurobiology</i> , 1987, 18, 251-269.	3.7	50
17	Lineage analysis of micromere 4d, a super-phylogenetic cell for Lophotrochozoa, in the leech <i>Helobdella</i> and the slugworm <i>Tubifex</i> . <i>Developmental Biology</i> , 2011, 353, 120-133.	0.9	44
18	Cell interactions in the developing epidermis of the leech <i>Helobdella triserialis</i> . <i>Developmental Biology</i> , 1984, 101, 318-325.	0.9	41

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19	And Lophotrochozoa makes three: Notch/Hes signaling in annelid segmentation. <i>Development Genes and Evolution</i> , 2009, 219, 37-43.	0.4	41
20	Description of the Californian leech <i>Helobdella robusta</i> sp.nov., and comparison with <i>Helobdella triserialis</i> on the basis of morphology, embryology, and experimental breeding. <i>Canadian Journal of Zoology</i> , 1992, 70, 1258-1263.	0.4	40
21	Teloplast formation in a leech, <i>Helobdella triserialis</i> , is a microtubule-dependent process. <i>Developmental Biology</i> , 1989, 135, 306-319.	0.9	36
22	MAPK regulation of maternal and zygotic Notch transcript stability in early development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 531-536.	3.3	35
23	Developmental biology of the leech <i>Helobdella</i> . <i>International Journal of Developmental Biology</i> , 2014, 58, 429-443.	0.3	35
24	Micromere lineages in the glossiphoniid leech <i>Helobdella</i> . <i>Development (Cambridge)</i> , 2002, 129, 719-732.	1.2	35
25	Asymmetrization of first cleavage by transient disassembly of one spindle pole aster in the leech <i>Helobdella robusta</i> . <i>Developmental Biology</i> , 2006, 292, 103-115.	0.9	34
26	Differential Expression of Conserved Germ Line Markers and Delayed Segregation of Male and Female Primordial Germ Cells in a Hermaphrodite, the Leech <i>Helobdella</i> . <i>Molecular Biology and Evolution</i> , 2014, 31, 341-354.	3.5	31
27	Expression and function of an even-skipped homolog in the leech <i>Helobdella robusta</i> . <i>Development (Cambridge)</i> , 2002, 129, 3681-3692.	1.2	31
28	Maternal expression of a NANOS homolog is required for early development of the leech <i>Helobdella robusta</i> . <i>Developmental Biology</i> , 2006, 298, 1-11.	0.9	29
29	An investigation of the specification of unequal cleavages in leech embryos. <i>Developmental Biology</i> , 1992, 150, 203-218.	0.9	28
30	Cell cycle-dependent expression of a hairy and Enhancer of split (hes) homolog during cleavage and segmentation in leech embryos. <i>Developmental Biology</i> , 2004, 269, 183-195.	0.9	26
31	Expression of a Wnt gene in embryonic epithelium of the leech. <i>Developmental Biology</i> , 1992, 151, 225-241.	0.9	25
32	Characterization of Notch-class gene expression in segmentation stem cells and segment founder cells in <i>Helobdella robusta</i> (Lophotrochozoa; Annelida; Clitellata; Hirudinida; Glossiphoniidae). <i>Evolution &amp; Development</i> , 2005, 7, 588-599.	1.1	25
33	Applications of mRNA injections for analyzing cell lineage and asymmetric cell divisions during segmentation in the leech <i>Helobdella robusta</i> . <i>Development (Cambridge)</i> , 2005, 132, 2103-2113.	1.2	25
34	Cloning and sequencing of a leech homolog to the <i>Drosophila</i> engrailed gene. <i>FEBS Letters</i> , 1991, 279, 300-302.	1.3	24
35	High resolution cell lineage tracing reveals developmental variability in leech. <i>Developmental Dynamics</i> , 2009, 238, 3139-3151.	0.8	24
36	Animal and vegetal teloplasts mix in the early embryo of the leech, <i>Helobdella triserialis</i> . <i>Developmental Biology</i> , 1989, 131, 182-188.	0.9	23

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37	Localization of polyadenylated RNAs during teloplasm formation and cleavage in leech embryos. Roux's Archives of Developmental Biology, 1994, 204, 46-53.	1.2	23
38	A leech homolog of twist: evidence for its inheritance as a maternal mRNA. Gene, 1997, 199, 31-37.	1.0	23
39	Dorsal and Snail homologs in leech development. Development Genes and Evolution, 2001, 211, 329-337.	0.4	21
40	Asymmetric Cell Divisions in the Early Embryo of the Leech <i>Helobdella robusta</i> . Progress in Molecular and Subcellular Biology, 2007, 45, 79-95.	0.9	20
41	3 Evolution of Developmental Mechanisms: Spatial and Temporal Modes of Rostrocaudal Patterning. Current Topics in Developmental Biology, 1994, 29, 101-134.	1.0	18
42	D quadrant specification in the leech <i>Helobdella</i> : Actomyosin contractility controls the unequal cleavage of the CD blastomere. Developmental Biology, 2009, 334, 46-58.	0.9	14
43	Leeches of the genus <i>Helobdella</i> as model organisms for Evo-Devo studies. Theory in Biosciences, 2015, 134, 93-104.	0.6	14
44	<i>Helobdella</i> (Leech): A Model for Developmental Studies. Cold Spring Harbor Protocols, 2009, 2009, pdb.emo121-pdb.emo121.	0.2	13
45	Micromere lineages in the glossiphoniid leech <i>Helobdella</i> . Development (Cambridge), 2002, 129, 719-32.	1.2	13
46	Intermediate filament genes as differentiation markers in the leech <i>Helobdella</i> . Development Genes and Evolution, 2011, 221, 225-240.	0.4	10
47	Regional differences in BMP-dependence of dorsoventral patterning in the leech <i>Helobdella</i> . Developmental Biology, 2012, 368, 86-94.	0.9	9
48	Expression and function of an even-skipped homolog in the leech <i>Helobdella robusta</i> . Development (Cambridge), 2002, 129, 3681-92.	1.2	8
49	Reproductive differences among species, and between individuals and cohorts, in the leech genus <i>Helobdella</i> (Lophotrochozoa; Annelida; Clitellata; Hirudinida; Glossiphoniidae), with implications for reproductive resource allocation in hermaphrodites. PLoS ONE, 2019, 14, e0214581.	1.1	7
50	A tale of two leeches: Toward the understanding of the evolution and development of behavioral neural circuits. Evolution & Development, 2020, 22, 471-493.	1.1	7
51	Localization of polyadenylated RNAs during teloplasm formation and cleavage in leech embryos. Roux's Archives of Developmental Biology, 1994, 204, 46-53.	1.2	7
52	Cellular origins of bilateral symmetry in glossiphoniid leech embryos. Hydrobiologia, 1999, 402, 285-290.	1.0	6
53	Germline Regeneration: The Worms' Turn. Current Biology, 2006, 16, R453-R455.	1.8	6
54	Behavioral analysis of substrate texture preference in a leech, <i>Helobdella austinensis</i> . Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2019, 205, 191-202.	0.7	6

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55	Transcriptional profiling of identified neurons in leech. BMC Genomics, 2021, 22, 215.	1.2	6
56	Expression patterns of duplicated snail genes in the leech <i>Helobdella</i> . Development Genes and Evolution, 2017, 227, 415-421.	0.4	5
57	4 The Other Side of the Embryo: An Appreciation of the Non-D Quadrants in Leech Embryos. Current Topics in Developmental Biology, 1999, 46, 105-132.	1.0	4
58	Grandparental stem cells in leech segmentation: Differences in CDC42 expression are correlated with an alternating pattern of blast cell fates. Developmental Biology, 2009, 336, 112-121.	0.9	4
59	Spatiotemporal expression of a twist homolog in the leech <i>Helobdella austinensis</i> . Development Genes and Evolution, 2017, 227, 245-252.	0.4	3
60	Leeches. Current Biology, 2003, 13, R752.	1.8	2
61	In Situ Hybridization of <i>Helobdella</i> (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5194.	0.2	2
62	Whole-Mount Preparation of <i>Helobdella</i> (Leech) Embryos for Microscopy. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5195.	0.2	2
63	Immunostaining <i>Helobdella</i> (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5193.	0.2	2
64	Microinjection of <i>Helobdella</i> (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5190-pdb.prot5190.	0.2	2
65	Cell interactions in the developing leech embryo. BioEssays, 1986, 4, 152-157.	1.2	1
66	Handling of <i>Helobdella</i> (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5189-pdb.prot5189.	0.2	1
67	Devitellinization of Living <i>Helobdella</i> (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5191.	0.2	1
68	Arnolds' Silver Staining of <i>Helobdella</i> (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5192-pdb.prot5192.	0.2	1
69	Head transcriptome profiling of glossiphoniid leech ( <i>Helobdella austinensis</i> ) reveals clues about proboscis development. Open Biology, 2022, 12, 210298.	1.5	1
70	Factors Specifying Cell Lineages in the Leech. Novartis Foundation Symposium, 1989, 144, 113-130.	1.2	0
71	Glossiphoniid leeches as a touchstone for studies of development in clitellate annelids. Current Topics in Developmental Biology, 2022, 147, 433-468.	1.0	0