David A Weisblat

List of Publications by Year
in descending order

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	Glossiphoniid leeches as a touchstone for studies of development in clitellate annelids. Current Topics in Developmental Biology, 2022, 147, 433-468.	1.0	0
2	Head transcriptome profiling of glossiphoniid leech (Helobdella austinensis) reveals clues about proboscis development. Open Biology, 2022, 12, 210298.	1.5	1
3	Transcriptional profiling of identified neurons in leech. BMC Genomics, 2021, 22, 215.	1.2	6
4	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
5	Reproductive differences among species, and between individuals and cohorts, in the leech genus Helobdella (Lophotrochozoa; Annelida; Clitellata; Hirudinida; Glossiphoniidae), with implications for reproductive resource allocation in hermaphrodites. PLoS ONE, 2019, 14, e0214581.	1.1	7
6	Behavioral analysis of substrate texture preference in a leech, Helobdella austinensis. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2019, 205, 191-202.	0.7	6
7	Expression patterns of duplicated snail genes in the leech Helobdella. Development Genes and Evolution, 2017, 227, 415-421.	0.4	5
8	Spatiotemporal expression of a twist homolog in the leech Helobdella austinensis. Development Genes and Evolution, 2017, 227, 245-252.	0.4	3
9	Leeches of the genus Helobdella as model organisms for Evo-Devo studies. Theory in Biosciences, 2015, 134, 93-104.	0.6	14
10	Developmental biology of the leech Helobdella. International Journal of Developmental Biology, 2014, 58, 429-443.	0.3	35
11	Differential Expression of Conserved Germ Line Markers and Delayed Segregation of Male and Female Primordial Germ Cells in a Hermaphrodite, the Leech Helobdella. Molecular Biology and Evolution, 2014, 31, 341-354.	3.5	31
12	Insights into bilaterian evolution from three spiralian genomes. Nature, 2013, 493, 526-531.	13.7	564
13	Regional differences in BMP-dependence of dorsoventral patterning in the leech Helobdella. Developmental Biology, 2012, 368, 86-94.	0.9	9
14	Lineage analysis of micromere 4d, a super-phylotypic cell for Lophotrochozoa, in the leech Helobdella and the sludgeworm Tubifex. Developmental Biology, 2011, 353, 120-133.	0.9	44
15	A New Molecular Logic for BMP-Mediated Dorsoventral Patterning in the Leech Helobdella. Current Biology, 2011, 21, 1282-1288.	1.8	57
16	Intermediate filament genes as differentiation markers in the leech Helobdella. Development Genes and Evolution, 2011, 221, 225-240.	0.4	10
17	Evolutionary Dynamics of the wnt Gene Family: A Lophotrochozoan Perspective. Molecular Biology and Evolution, 2010, 27, 1645-1658.	3.5	115
18	Handling of Helobdella (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5189-pdb.prot5189.	0.2	1

#	Article	IF	Citations
19	Devitellinization of Living Helobdella (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5191.	0.2	1
20	In Situ Hybridization of Helobdella (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5194.	0.2	2
21	Arnolds' Silver Staining of Helbodella (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5192-pdb.prot5192.	0.2	1
22	Whole-Mount Preparation of Helobdella (Leech) Embryos for Microscopy. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5195.	0.2	2
23	High resolution cell lineage tracing reveals developmental variability in leech. Developmental Dynamics, 2009, 238, 3139-3151.	0.8	24
24	And Lophotrochozoa makes three: Notch/Hes signaling in annelid segmentation. Development Genes and Evolution, 2009, 219, 37-43.	0.4	41
25	Immunostaining Helobdella (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5193.	0.2	2
26	D quadrant specification in the leech Helobdella: Actomyosin contractility controls the unequal cleavage of the CD blastomere. Developmental Biology, 2009, 334, 46-58.	0.9	14
27	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
28	Microinjection of Helobdella (Leech) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5190-pdb.prot5190.	0.2	2
29	Helobdella (Leech): A Model for Developmental Studies. Cold Spring Harbor Protocols, 2009, 2009, pdb.emo121-pdb.emo121.	0.2	13
30	MAPK regulation of maternal and zygotic Notch transcript stability in early development. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 531-536.	3.3	35
31	Asymmetric Cell Divisions in the Early Embryo of the Leech Helobdella robusta. Progress in Molecular and Subcellular Biology, 2007, 45, 79-95.	0.9	20
32	Asymmetrization of first cleavage by transient disassembly of one spindle pole aster in the leech Helobdella robusta. Developmental Biology, 2006, 292, 103-115.	0.9	34
33	Maternal expression of a NANOS homolog is required for early development of the leech Helobdella robusta. Developmental Biology, 2006, 298, 1-11.	0.9	29
34	Lessons from leeches: a call for DNA barcoding in the lab. Evolution & Development, 2006, 8, 491-501.	1.1	77
35	Germline Regeneration: The Worms' Turn. Current Biology, 2006, 16, R453-R455.	1.8	6
36	Characterization of Notch-class gene expression in segmentation stem cells and segment founder cells in Helobdella robusta (Lophotrochozoa; Annelida; Clitellata; Hirudinida; Glossiphoniidae). Evolution & Development, 2005, 7, 588-599.	1.1	25

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37	Applications of mRNA injections for analyzing cell lineage and asymmetric cell divisions during segmentation in the leech Helobdella robusta. Development (Cambridge), 2005, 132, 2103-2113.	1.2	25
38	Cell cycle-dependent expression of a hairy and Enhancer of split (hes) homolog during cleavage and segmentation in leech embryos. Developmental Biology, 2004, 269, 183-195.	0.9	26
39	Leeches. Current Biology, 2003, 13, R752.	1.8	2
40	A hedgehog homolog regulates gut formation in leech(Helobdella). Development (Cambridge), 2003, 130, 1645-1657.	1.2	58
41	Maternal and Zygotic Expression of a nanos-Class Gene in the Leech Helobdella robusta: Primordial Germ Cells Arise from Segmental Mesoderm. Developmental Biology, 2002, 245, 28-41.	0.9	71
42	Expression and function of an even-skipped homolog in the leech Helobdella robusta. Development (Cambridge), 2002, 129, 3681-3692.	1.2	31
43	Micromere lineages in the glossiphoniid leechHelobdella. Development (Cambridge), 2002, 129, 719-732.	1.2	35
44	Micromere lineages in the glossiphoniid leech Helobdella. Development (Cambridge), 2002, 129, 719-32.	1.2	13
45	Expression and function of an even-skipped homolog in the leech Helobdella robusta. Development (Cambridge), 2002, 129, 3681-92.	1.2	8
46	An overview of glossiphoniid leech development. Canadian Journal of Zoology, 2001, 79, 218-232.	0.4	55
47	Dorsal and Snail homologs in leech development. Development Genes and Evolution, 2001, 211, 329-337.	0.4	21
48	Stochastic WNT signaling between nonequivalent cells regulates adhesion but not fate in the two-cell leech embryo. Current Biology, 2001, 11, 1-7.	1.8	100
49	Cellular origins of bilateral symmetry in glossiphoniid leech embryos. Hydrobiologia, 1999, 402, 285-290.	1.0	6
50	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
51	A leech homolog of twist: evidence for its inheritance as a maternal mRNA. Gene, 1997, 199, 31-37.	1.0	23
52	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
53	3 Evolution of Developmental Mechanisms: Spatial and Temporal Modes of Rostrocaudal Patterning. Current Topics in Developmental Biology, 1994, 29, 101-134.	1.0	18
54	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

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55	Development of the Leech Nervous System. International Review of Neurobiology, 1992, 33, 109-193.	0.9	65
56	Description of the Californian leech Helobdella robusta sp.nov., and comparison with Helobdella triserialis on the basis of morphology, embryology, and experimental breeding. Canadian Journal of Zoology, 1992, 70, 1258-1263.	0.4	40
57	An investigation of the specification of unequal cleavages in leech embryos. Developmental Biology, 1992, 150, 203-218.	0.9	28
58	Expression of a Wnt gene in embryonic epithelium of the leech. Developmental Biology, 1992, 151, 225-241.	0.9	25
59	Cloning and sequencing of a leech homolog to theDrosophilaengrailed gene. FEBS Letters, 1991, 279, 300-302.	1.3	24
60	Teloplasm formation in a leech, Helobdella triserialis, is a microtubule-dependent process. Developmental Biology, 1989, 135, 306-319.	0.9	36
61	Animal and vegetal teloplasms mix in the early embryo of the leech, Helobdella triserialis. Developmental Biology, 1989, 131, 182-188.	0.9	23
62	Factors Specifying Cell Lineages in the Leech. Novartis Foundation Symposium, 1989, 144, 113-130.	1.2	0
63	Centrifugation redistributes factors determining cleavage patterns in leech embryos. Developmental Biology, 1987, 120, 270-283.	0.9	55
64	A provisional epithelium in leech embryo: Cellular origins and influence on a developmental equivalence group. Developmental Biology, 1987, 120, 520-534.	0.9	58
65	Early differences between alternate n blast cells in leech embryo. Journal of Neurobiology, 1987, 18, 251-269.	3.7	50
66	Cell interactions in the developing leech embryo. BioEssays, 1986, 4, 152-157.	1.2	1
67	Embryonic origins of cells in the leech Helobdella triserialis. Developmental Biology, 1984, 104, 65-85.	0.9	158
68	Cell interactions in the developing epidermis of the leech Helobdella triserialis. Developmental Biology, 1984, 101, 318-325.	0.9	41
69	Developmental interdeterminacy in embryos of the leech Helobdella triserialis. Developmental Biology, 1984, 101, 326-335.	0.9	88
70	Stepwise commitment of blast cell fates during the positional specification of the O and P cell lines in the leech embryo. Developmental Biology, 1984, 106, 326-342.	0.9	85
71	Embryonic cell lineages in the nervous system of the Glossiphoniid leech Helobdella triserialis. Developmental Biology, 1980, 76, 58-78.	0.9	139