Phillip A Newmark

List of Publications by Year
in descending order

74 papers	6,291 citations	87888 38 h-index	85541 71 g-index
120 all docs	120 docs citations	120 times ranked	3018 citing authors

#	Article	IF	Citations
1	Double-stranded RNA specifically disrupts gene expression during planarian regeneration. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 5049-5054.	7.1	485
2	Not your father's planarian: a classic model enters the era of functional genomics. Nature Reviews Genetics, 2002, 3, 210-219.	16.3	454
3	Bromodeoxyuridine Specifically Labels the Regenerative Stem Cells of Planarians. Developmental Biology, 2000, 220, 142-153.	2.0	450
4	Ingestion of bacterially expressed double-stranded RNA inhibits gene expression in planarians. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11861-11865.	7.1	260
5	Planarian homologs of netrin and netrin receptor are required for proper regeneration of the central nervous system and the maintenance of nervous system architecture. Development (Cambridge), 2005, 132, 3691-3703.	2.5	254
6	Genome-Wide Analyses Reveal a Role for Peptide Hormones in Planarian Germline Development. PLoS Biology, 2010, 8, e1000509.	5.6	249
7	In situ hybridization protocol for enhanced detection of gene expression in the planarian Schmidtea mediterranea. BMC Developmental Biology, 2013, 13, 8.	2.1	247
8	The Schmidtea mediterranea database as a molecular resource for studying platyhelminthes, stem cells and regeneration. Development (Cambridge), 2002, 129, 5659-5665.	2.5	222
9	A bruno-like Gene Is Required for Stem Cell Maintenance in Planarians. Developmental Cell, 2006, 11, 159-169.	7.0	222
10	Adult somatic stem cells in the human parasite Schistosoma mansoni. Nature, 2013, 494, 476-479.	27.8	188
11	RNA interference by feeding in vitroâ€“synthesized doubleâ€stranded RNA to planarians: Methodology and dynamics. Developmental Dynamics, 2013, 242, 718-730.	1.8	186
12	nanos function is essential for development and regeneration of planarian germ cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5901-5906.	7.1	180
13	Allometric scaling and proportion regulation in the freshwater planarianSchmidtea mediterranea. Developmental Dynamics, 2003, 226, 326-333.	1.8	147
14	The planarian Schmidtea mediterranea as a model for epigenetic germ cell specification: Analysis of ESTs from the hermaphroditic strain. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18491-18496.	7.1	140
15	Functional genomic characterization of neoblast-like stem cells in larval Schistosoma mansoni. ELife, 2013, 2, e00768.	6.0	124
16	Stem cell-based growth, regeneration, and remodeling of the planarian intestine. Developmental Biology, 2011, 356, 445-459.	2.0	118
17	Restoration of anterior regeneration in a planarian with limited regenerative ability. Nature, 2013, 500, 77-80.	27.8	118
18	Regeneration and maintenance of the planarian midline is regulated by a slit orthologue. Developmental Biology, 2007, 307, 394-406.	2.0	116

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19	An Atlas for Schistosoma mansoni Organs and Life-Cycle Stages Using Cell Type-Specific Markers and Confocal Microscopy. PLoS Neglected Tropical Diseases, 2011, 5, e1009.	3.0	116
20	An RNAi Screen Reveals Intestinal Regulators of Branching Morphogenesis, Differentiation, and Stem Cell Proliferation in Planarians. Developmental Cell, 2012, 23, 691-704.	7.0	115
21	The cell biology of regeneration. Journal of Cell Biology, 2012, 196, 553-562.	5.2	110
22	A planarian nidovirus expands the limits of RNA genome size. PLoS Pathogens, 2018, 14, e1007314.	4.7	108
23	A functional genomic screen in planarians identifies novel regulators of germ cell development. Genes and Development, 2010, 24, 2081-2092.	5.9	89
24	Germ Cell Specification and Regeneration in Planarians. Cold Spring Harbor Symposia on Quantitative Biology, 2008, 73, 573-581.	1.1	82
25	Follistatin antagonizes Activin signaling and acts with Notum to direct planarian head regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1363-1368.	7.1	78
26	Morphogenesis defects are associated with abnormal nervous system regeneration following roboA RNAi in planarians. Development (Cambridge), 2007, 134, 833-837.	2.5	77
27	PRMT5 and the role of symmetrical dimethylarginine in chromatoid bodies of planarian stem cells. Development (Cambridge), 2012, 139, 1083-1094.	2.5	73
28	Stem cell heterogeneity drives the parasitic life cycle of Schistosoma mansoni. ELife, 2018, 7, .	6.0	70
29	On the organ trail: insights into organ regeneration in the planarian. Current Opinion in Genetics and Development, 2015, 32, 37-46.	3.3	60
30	Myocyte differentiation and body wall muscle regeneration in the planarian Girardia tigrina. Development Genes and Evolution, 1997, 207, 306-316.	0.9	57
31	A functional genomics screen in planarians reveals regulators of whole-brain regeneration. ELife, 2016, 5, .	6.0	57
32	An insulin-like peptide regulates size and adult stem cells in planarians. International Journal of Developmental Biology, 2012, 56, 75-82.	0.6	56
33	A sex-specific transcription factor controls male identity in a simultaneous hermaphrodite. Nature Communications, 2013, 4, 1814.	12.8	53
34	Whole mount in situ hybridization methodology for Schistosoma mansoni. Molecular and Biochemical Parasitology, 2011, 178, 46-50.	1.1	52
35	Emerging patterns in planarian regeneration. Current Opinion in Genetics and Development, 2009, 19, 412-420.	3.3	51
36	Single-cell atlas of the first intra-mammalian developmental stage of the human parasite Schistosoma mansoni. Nature Communications, 2020, 11, 6411.	12.8	51

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37	The use of lectins as markers for differentiated secretory cells in planarians. Developmental Dynamics, 2010, 239, 2888-2897.	1.8	47
38	Molecular markers to characterize the hermaphroditic reproductive system of the planarian Schmidtea mediterranea. BMC Developmental Biology, 2011, 11, 69.	2.1	46
39	Stem cell progeny contribute to the schistosome host-parasite interface. ELife, 2016, 5, e12473.	6.0	45
40	GPCRs Direct Germline Development and Somatic Gonad Function in Planarians. PLoS Biology, 2016, 14, e1002457.	5.6	42
41	It's No Fluke: The Planarian as a Model for Understanding Schistosomes. PLoS Pathogens, 2013, 9, e1003396.	4.7	37
42	Spliced-Leader trans-Splicing in Freshwater Planarians. Molecular Biology and Evolution, 2005, 22, 2048-2054.	8.9	36
43	PIWI homologs mediate Histone H4 mRNA localization to planarian chromatoid bodies. Development (Cambridge), 2014, 141, 2592-2601.	2.5	35
44	Cell-type diversity and regionalized gene expression in the planarian intestine. ELife, 2020, 9, .	6.0	35
45	Generation of cell type-specific monoclonal antibodies for the planarian and optimization of sample processing for immunolabeling. BMC Developmental Biology, 2014, 14, 45.	2.1	33
46	Preparation of the planarian Schmidtea mediterranea for high-resolution histology and transmission electron microscopy. Nature Protocols, 2014, 9, 661-673.	12.0	30
47	Genetic dissection of the planarian reproductive system through characterization of Schmidtea mediterranea CPEB homologs. Developmental Biology, 2017, 426, 43-55.	2.0	28
48	The use of planarians to dissect the molecular basis of metazoan regeneration. Wound Repair and Regeneration, 1998, 6, S-413-S-420.	3.0	27
49	From worm to germ: Germ cell development and regeneration in planarians. Current Topics in Developmental Biology, 2019, 135, 127-153.	2.2	27
50	A confocal microscopy-based atlas of tissue architecture in the tapeworm Hymenolepis diminuta. Experimental Parasitology, 2015, 158, 31-41.	1.2	26
51	NF-YB Regulates Spermatogonial Stem Cell Self-Renewal and Proliferation in the Planarian Schmidtea mediterranea. PLoS Genetics, 2016, 12, e1006109.	3.5	24
52	Whole-Mount In Situ Hybridization of Planarians. Methods in Molecular Biology, 2018, 1774, 379-392.	0.9	24
53	Gene nomenclature guidelines for the planarian Schmidtea mediterranea. Developmental Dynamics, 2008, 237, 3099-3101.	1.8	23
54	Mass Spectrometry Imaging and Identification of Peptides Associated with Cephalic Ganglia Regeneration in Schmidtea mediterranea. Journal of Biological Chemistry, 2016, 291, 8109-8120.	3.4	23

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55	Opening a New Can of Worms: A Large-Scale RNAi Screen in Planarians. Developmental Cell, 2005, 8, 623-624.	7.0	21
56	Tryptophan hydroxylase Is Required for Eye Melanogenesis in the Planarian Schmidtea mediterranea. PLoS ONE, 2015, 10, e0127074.	2.5	18
57	A lophotrochozoan-specific nuclear hormone receptor is required for reproductive system development in the planarian. Developmental Biology, 2014, 396, 150-157.	2.0	17
58	The esophageal gland mediates host immune evasion by the human parasiteSchistosoma mansoni. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19299-19309.	7.1	17
59	A premeiotic function for boule in the planarian Schmidtea mediterranea. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3509-18.	7.1	15
60	Region-specific regulation of stem cell-driven regeneration in tapeworms. ELife, 2019, 8, .	6.0	14
61	A rotifer-derived paralytic compound prevents transmission of schistosomiasis to a mammalian host. PLoS Biology, 2019, 17, e3000485.	5.6	11
62	A KrÃ¼ppel-like factor is required for development and regeneration of germline and yolk cells from somatic stem cells in planarians. PLoS Biology, 2022, 20, e3001472.	5.6	10
63	Fixation, Processing, and Immunofluorescent Labeling of Whole Mount Planarians. Methods in Molecular Biology, 2018, 1774, 353-366.	0.9	9
64	Somatic regulation of female germ cell regeneration and development in planarians. Cell Reports, 2022, 38, 110525.	6.4	9
65	RNA interference by feeding in vitro-synthesized double-stranded RNA to planarians: Methodology and dynamics. Developmental Dynamics, 2013, 242, C1-C1.	1.8	5
66	Schmidtea happens: Re-establishing the planarian as a model for studying the mechanisms of regeneration. Current Topics in Developmental Biology, 2022, 147, 307-344.	2.2	5
67	Planarian â€˜kidneysâ€™ go with the flow. ELife, 2015, 4, e09353.	6.0	3
68	The good, the bad, and the ugly: From planarians to parasites. Current Topics in Developmental Biology, 2022, 147, 345-373.	2.2	3
69	Heal Thy Cell(f): A Single-Cell View of Regeneration. Developmental Cell, 2015, 35, 527-528.	7.0	2
70	Analysis of Morphogenesis and Flagellar Assembly During Spermatogenesis in. Methods in Molecular Biology, 2022, 2364, 199-216.	0.9	1
71	Gene nomenclature guidelines for the planarianSchmidtea mediterranea. Developmental Dynamics, 2008, 237, spcone-spcone.	1.8	0
72	Visions: the art of science. Molecular Reproduction and Development, 2010, 77, 933-933.	2.0	0

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73	Wound healing and regeneration: time heals all wounds, but sometimes it needs a little help. Molecular Biology of the Cell, 2011, 22, 719-719.	2.1	0
74	Prospecting for Planarian Pluripotency. Cell, 2018, 173, 1566-1567.	28.9	0