

Phillip A Newmark

List of Publications by Year in descending order

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Version: 2024-02-01

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	Analysis of Morphogenesis and Flagellar Assembly During Spermatogenesis in. <i>Methods in Molecular Biology</i> , 2022, 2364, 199-216.	0.9	1
2	The good, the bad, and the ugly: From planarians to parasites. <i>Current Topics in Developmental Biology</i> , 2022, 147, 345-373.	2.2	3
3	Schmidtea happens: Re-establishing the planarian as a model for studying the mechanisms of regeneration. <i>Current Topics in Developmental Biology</i> , 2022, 147, 307-344.	2.2	5
4	Somatic regulation of female germ cell regeneration and development in planarians. <i>Cell Reports</i> , 2022, 38, 110525.	6.4	9
5	A Kr ^{1/4} ppel-like factor is required for development and regeneration of germline and yolk cells from somatic stem cells in planarians. <i>PLoS Biology</i> , 2022, 20, e3001472.	5.6	10
6	The esophageal gland mediates host immune evasion by the human parasite <i>Schistosoma mansoni</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19299-19309.	7.1	17
7	Single-cell atlas of the first intra-mammalian developmental stage of the human parasite <i>Schistosoma mansoni</i> . <i>Nature Communications</i> , 2020, 11, 6411.	12.8	51
8	Cell-type diversity and regionalized gene expression in the planarian intestine. <i>ELife</i> , 2020, 9, .	6.0	35
9	A rotifer-derived paralytic compound prevents transmission of schistosomiasis to a mammalian host. <i>PLoS Biology</i> , 2019, 17, e3000485.	5.6	11
10	From worm to germ: Germ cell development and regeneration in planarians. <i>Current Topics in Developmental Biology</i> , 2019, 135, 127-153.	2.2	27
11	Region-specific regulation of stem cell-driven regeneration in tapeworms. <i>ELife</i> , 2019, 8, .	6.0	14
12	A planarian nidovirus expands the limits of RNA genome size. <i>PLoS Pathogens</i> , 2018, 14, e1007314.	4.7	108
13	Stem cell heterogeneity drives the parasitic life cycle of <i>Schistosoma mansoni</i> . <i>ELife</i> , 2018, 7, .	6.0	70
14	Prospecting for Planarian Pluripotency. <i>Cell</i> , 2018, 173, 1566-1567.	28.9	0
15	Fixation, Processing, and Immunofluorescent Labeling of Whole Mount Planarians. <i>Methods in Molecular Biology</i> , 2018, 1774, 353-366.	0.9	9
16	Whole-Mount In Situ Hybridization of Planarians. <i>Methods in Molecular Biology</i> , 2018, 1774, 379-392.	0.9	24
17	Genetic dissection of the planarian reproductive system through characterization of <i>Schmidtea mediterranea</i> CPEB homologs. <i>Developmental Biology</i> , 2017, 426, 43-55.	2.0	28
18	GPCRs Direct Germline Development and Somatic Gonad Function in Planarians. <i>PLoS Biology</i> , 2016, 14, e1002457.	5.6	42

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19	NF-YB Regulates Spermatogonial Stem Cell Self-Renewal and Proliferation in the Planarian <i>Schmidtea mediterranea</i> . <i>PLoS Genetics</i> , 2016, 12, e1006109.	3.5	24
20	Mass Spectrometry Imaging and Identification of Peptides Associated with Cephalic Ganglia Regeneration in <i>Schmidtea mediterranea</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 8109-8120.	3.4	23
21	A premeiotic function for <i>boule</i> in the planarian <i>Schmidtea mediterranea</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3509-18.	7.1	15
22	Stem cell progeny contribute to the schistosome host-parasite interface. <i>ELife</i> , 2016, 5, e12473.	6.0	45
23	A functional genomics screen in planarians reveals regulators of whole-brain regeneration. <i>ELife</i> , 2016, 5, .	6.0	57
24	Tryptophan hydroxylase Is Required for Eye Melanogenesis in the Planarian <i>Schmidtea mediterranea</i> . <i>PLoS ONE</i> , 2015, 10, e0127074.	2.5	18
25	Heal Thy Cell(f): A Single-Cell View of Regeneration. <i>Developmental Cell</i> , 2015, 35, 527-528.	7.0	2
26	On the organ trail: insights into organ regeneration in the planarian. <i>Current Opinion in Genetics and Development</i> , 2015, 32, 37-46.	3.3	60
27	A confocal microscopy-based atlas of tissue architecture in the tapeworm <i>Hymenolepis diminuta</i> . <i>Experimental Parasitology</i> , 2015, 158, 31-41.	1.2	26
28	Planarian "kidneys" go with the flow. <i>ELife</i> , 2015, 4, e09353.	6.0	3
29	Generation of cell type-specific monoclonal antibodies for the planarian and optimization of sample processing for immunolabeling. <i>BMC Developmental Biology</i> , 2014, 14, 45.	2.1	33
30	Preparation of the planarian <i>Schmidtea mediterranea</i> for high-resolution histology and transmission electron microscopy. <i>Nature Protocols</i> , 2014, 9, 661-673.	12.0	30
31	A lophotrochozoan-specific nuclear hormone receptor is required for reproductive system development in the planarian. <i>Developmental Biology</i> , 2014, 396, 150-157.	2.0	17
32	PIWI homologs mediate Histone H4 mRNA localization to planarian chromatoid bodies. <i>Development (Cambridge)</i> , 2014, 141, 2592-2601.	2.5	35
33	In situ hybridization protocol for enhanced detection of gene expression in the planarian <i>Schmidtea mediterranea</i> . <i>BMC Developmental Biology</i> , 2013, 13, 8.	2.1	247
34	Restoration of anterior regeneration in a planarian with limited regenerative ability. <i>Nature</i> , 2013, 500, 77-80.	27.8	118
35	RNA interference by feeding in vitro-synthesized double-stranded RNA to planarians: Methodology and dynamics. <i>Developmental Dynamics</i> , 2013, 242, C1-C1.	1.8	5
36	A sex-specific transcription factor controls male identity in a simultaneous hermaphrodite. <i>Nature Communications</i> , 2013, 4, 1814.	12.8	53

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37	RNA interference by feeding in vitro synthesized double-stranded RNA to planarians: Methodology and dynamics. <i>Developmental Dynamics</i> , 2013, 242, 718-730.	1.8	186
38	Follistatin antagonizes Activin signaling and acts with Notum to direct planarian head regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1363-1368.	7.1	78
39	It's No Fluke: The Planarian as a Model for Understanding Schistosomes. <i>PLoS Pathogens</i> , 2013, 9, e1003396.	4.7	37
40	Adult somatic stem cells in the human parasite <i>Schistosoma mansoni</i> . <i>Nature</i> , 2013, 494, 476-479.	27.8	188
41	Functional genomic characterization of neoblast-like stem cells in larval <i>Schistosoma mansoni</i> . <i>ELife</i> , 2013, 2, e00768.	6.0	124
42	PRMT5 and the role of symmetrical dimethylarginine in chromatoid bodies of planarian stem cells. <i>Development (Cambridge)</i> , 2012, 139, 1083-1094.	2.5	73
43	The cell biology of regeneration. <i>Journal of Cell Biology</i> , 2012, 196, 553-562.	5.2	110
44	An RNAi Screen Reveals Intestinal Regulators of Branching Morphogenesis, Differentiation, and Stem Cell Proliferation in Planarians. <i>Developmental Cell</i> , 2012, 23, 691-704.	7.0	115
45	An insulin-like peptide regulates size and adult stem cells in planarians. <i>International Journal of Developmental Biology</i> , 2012, 56, 75-82.	0.6	56
46	Stem cell-based growth, regeneration, and remodeling of the planarian intestine. <i>Developmental Biology</i> , 2011, 356, 445-459.	2.0	118
47	Whole mount in situ hybridization methodology for <i>Schistosoma mansoni</i> . <i>Molecular and Biochemical Parasitology</i> , 2011, 178, 46-50.	1.1	52
48	Molecular markers to characterize the hermaphroditic reproductive system of the planarian <i>Schmidtea mediterranea</i> . <i>BMC Developmental Biology</i> , 2011, 11, 69.	2.1	46
49	Wound healing and regeneration: time heals all wounds, but sometimes it needs a little help. <i>Molecular Biology of the Cell</i> , 2011, 22, 719-719.	2.1	0
50	An Atlas for <i>Schistosoma mansoni</i> Organs and Life-Cycle Stages Using Cell Type-Specific Markers and Confocal Microscopy. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1009.	3.0	116
51	Visions: the art of science. <i>Molecular Reproduction and Development</i> , 2010, 77, 933-933.	2.0	0
52	The use of lectins as markers for differentiated secretory cells in planarians. <i>Developmental Dynamics</i> , 2010, 239, 2888-2897.	1.8	47
53	A functional genomic screen in planarians identifies novel regulators of germ cell development. <i>Genes and Development</i> , 2010, 24, 2081-2092.	5.9	89
54	Genome-Wide Analyses Reveal a Role for Peptide Hormones in Planarian Germline Development. <i>PLoS Biology</i> , 2010, 8, e1000509.	5.6	249

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55	Emerging patterns in planarian regeneration. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 412-420.	3.3	51
56	Gene nomenclature guidelines for the planarian <i>Schmidtea mediterranea</i> . <i>Developmental Dynamics</i> , 2008, 237, 3099-3101.	1.8	23
57	Gene nomenclature guidelines for the planarian <i>Schmidtea mediterranea</i> . <i>Developmental Dynamics</i> , 2008, 237, spcone-spcone.	1.8	0
58	Germ Cell Specification and Regeneration in Planarians. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2008, 73, 573-581.	1.1	82
59	nanos function is essential for development and regeneration of planarian germ cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5901-5906.	7.1	180
60	Morphogenesis defects are associated with abnormal nervous system regeneration following roboA RNAi in planarians. <i>Development (Cambridge)</i> , 2007, 134, 833-837.	2.5	77
61	Regeneration and maintenance of the planarian midline is regulated by a slit orthologue. <i>Developmental Biology</i> , 2007, 307, 394-406.	2.0	116
62	A bruno-like Gene Is Required for Stem Cell Maintenance in Planarians. <i>Developmental Cell</i> , 2006, 11, 159-169.	7.0	222
63	The planarian <i>Schmidtea mediterranea</i> as a model for epigenetic germ cell specification: Analysis of ESTs from the hermaphroditic strain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18491-18496.	7.1	140
64	Spliced-Leader trans-Splicing in Freshwater Planarians. <i>Molecular Biology and Evolution</i> , 2005, 22, 2048-2054.	8.9	36
65	Planarian homologs of netrin and netrin receptor are required for proper regeneration of the central nervous system and the maintenance of nervous system architecture. <i>Development (Cambridge)</i> , 2005, 132, 3691-3703.	2.5	254
66	Opening a New Can of Worms: A Large-Scale RNAi Screen in Planarians. <i>Developmental Cell</i> , 2005, 8, 623-624.	7.0	21
67	Allometric scaling and proportion regulation in the freshwater planarian <i>Schmidtea mediterranea</i> . <i>Developmental Dynamics</i> , 2003, 226, 326-333.	1.8	147
68	Ingestion of bacterially expressed double-stranded RNA inhibits gene expression in planarians. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11861-11865.	7.1	260
69	Not your father's planarian: a classic model enters the era of functional genomics. <i>Nature Reviews Genetics</i> , 2002, 3, 210-219.	16.3	454
70	The <i>Schmidtea mediterranea</i> database as a molecular resource for studying platyhelminthes, stem cells and regeneration. <i>Development (Cambridge)</i> , 2002, 129, 5659-5665.	2.5	222
71	Bromodeoxyuridine Specifically Labels the Regenerative Stem Cells of Planarians. <i>Developmental Biology</i> , 2000, 220, 142-153.	2.0	450
72	Double-stranded RNA specifically disrupts gene expression during planarian regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 5049-5054.	7.1	485

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73	The use of planarians to dissect the molecular basis of metazoan regeneration. <i>Wound Repair and Regeneration</i> , 1998, 6, S-413-S-420.	3.0	27
74	Myocyte differentiation and body wall muscle regeneration in the planarian <i>Girardia tigrina</i> . <i>Development Genes and Evolution</i> , 1997, 207, 306-316.	0.9	57