Pamela A Raymond

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7699853/publications.pdf

Version: 2024-02-01

65 papers	5,978 citations	101543 36 h-index	149698 56 g-index
67 all docs	67 docs citations	67 times ranked	3662 citing authors

#	Article	IF	Citations
1	Late-Stage Neuronal Progenitors in the Retina Are Radial Muller Glia That Function as Retinal Stem Cells. Journal of Neuroscience, 2007, 27, 7028-7040.	3.6	580
2	Molecular characterization of retinal stem cells and their niches in adult zebrafish. BMC Developmental Biology, 2006, 6, 36.	2.1	435
3	Nephrocystin-5, a ciliary IQ domain protein, is mutated in Senior-Loken syndrome and interacts with RPGR and calmodulin. Nature Genetics, 2005, 37, 282-288.	21.4	367
4	GFAP transgenic zebrafish. Gene Expression Patterns, 2006, 6, 1007-1013.	0.8	322
5	Developmental patterning of rod and cone photoreceptors in embryonic zebrafish. Journal of Comparative Neurology, 1995, 359, 537-550.	1.6	288
6	MÃ¼ller glia: Stem cells for generation and regeneration of retinal neurons in teleost fish. Progress in Retinal and Eye Research, 2014, 40, 94-123.	15.5	273
7	A self-renewing division of zebrafish MÃ¼ller glial cells generates neuronal progenitors that require N-cadherin to regenerate retinal neurons. Development (Cambridge), 2013, 140, 4510-4521.	2.5	176
8	Regeneration of goldfish retina: Rod precursors are a likely source of regenerated cells. Journal of Neurobiology, 1988, 19, 431-463.	3.6	168
9	Expression of rod and cone visual pigments in goldfish and zebrafish: A rhodopsin-like gene is expressed in cones. Neuron, 1993, 10, 1161-1174.	8.1	163
10	Germinal cells in the goldfish retina that produce rod photoreceptors. Developmental Biology, 1987, 122, 120-138.	2.0	154
11	Otx5 regulates genes that show circadian expression in the zebrafish pineal complex. Nature Genetics, 2002, 30, 117-121.	21.4	150
12	Function for Hedgehog Genes in Zebrafish Retinal Development. Developmental Biology, 2000, 220, 238-252.	2.0	149
13	Genetic evidence for shared mechanisms of epimorphic regeneration in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9310-9315.	7.1	141
14	Retinal regeneration. Trends in Neurosciences, 1992, 15, 103-108.	8.6	137
15	Expression of three Rx homeobox genes in embryonic and adult zebrafish. Mechanisms of Development, 1999, 84, 195-198.	1.7	131
16	Ontogeny of cone photoreceptor mosaics in zebrafish. Journal of Comparative Neurology, 2010, 518, 4182-4195.	1.6	131
17	Î²-catenin/Wnt signaling controls progenitor fate in the developing and regenerating zebrafish retina. Neural Development, 2012, 7, 30.	2.4	131
18	Zebrafish cone-rod (crx) homeobox gene promotes retinogenesis. Developmental Biology, 2004, 269, 237-251.	2.0	116

#	Article	IF	Citations
19	Retinal regeneration in adult zebrafish requires regulation of TGFÎ² signaling. Glia, 2013, 61, 1687-1697.	4.9	101
20	Vsx-1 andVsx-2: Differential expression of twoPaired-like homeobox genes during zebrafish and goldfish retinogenesis. Journal of Comparative Neurology, 1997, 388, 495-505.	1.6	97
21	Zebrafish Genes rx1 and rx2 Help Define the Region of Forebrain That Gives Rise to Retina. Developmental Biology, 2001, 231, 13-30.	2.0	92
22	The Teleost Retina as a Model for Developmental and Regeneration Biology. Zebrafish, 2004, 1, 257-271.	1.1	90
23	pak2a mutations cause cerebral hemorrhage in redhead zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13996-14001.	7.1	89
24	Coupling Mechanical Deformations and Planar Cell Polarity to Create Regular Patterns in the Zebrafish Retina. PLoS Computational Biology, 2012, 8, e1002618.	3.2	86
25	Molecular Cloning and characterization of the putative ultraviolet-sensitive visual pigment of goldfish. Vision Research, 1996, 36, 933-939.	1.4	78
26	A moving wave patterns the cone photoreceptor mosaic array in the zebrafish retina. International Journal of Developmental Biology, 2004, 48, 935-945.	0.6	77
27	Rapid, Dynamic Activation of MÃ¼ller Glial Stem Cell Responses in Zebrafish. , 2016, 57, 5148.		74
28	Spatiotemporal coordination of rod and cone photoreceptor differentiation in goldfish retina. , 1997, 382, 272-284.		73
29	Subcellular localization of Î±-tubulin and opsin mRNA in the goldfish retina using digoxigenin-labeled cRNA probes detected by alkaline phosphatase and HRP histochemistry. Journal of Neuroscience Methods, 1993, 50, 145-152.	2.5	72
30	Genetic dissection of the zebrafish retinal stem-cell compartment. Developmental Biology, 2005, 281, 53-65.	2.0	71
31	How the Neural Retina Regenerates. Results and Problems in Cell Differentiation, 2000, 31, 197-218.	0.7	68
32	FGF signaling regulates rod photoreceptor cell maintenance and regeneration in zebrafish. Experimental Eye Research, 2011, 93, 726-734.	2.6	65
33	Cytodifferentiation of photoreceptors in larval goldfish: Delayed maturation of rods. Journal of Comparative Neurology, 1985, 236, 90-105.	1.6	59
34	[39] In situ hybridization studies of retinal neurons. Methods in Enzymology, 2000, 316, 579-590.	1.0	59
35	A goldfishNotch-3 homologue is expressed in neurogenic regions of embryonic, adult, and regenerating brain and retina. , 1997, 20, 208-223.		53
36	Zebrafish E-cadherin: Expression during early embryogenesis and regulation during brain development. Developmental Dynamics, 2001, 221, 231-237.	1.8	46

#	Article	IF	Citations
37	Patterning the Cone Mosaic Array in Zebrafish Retina Requires Specification of Ultraviolet-Sensitive Cones. PLoS ONE, 2014, 9, e85325.	2.5	43
38	Cloning of zebrafishvsx1: Expression of apaired-like homeobox gene during CNS development. Genesis, 1998, 23, 128-141.	2.1	42
39	Embryonic origin of the eyes in teleost fish. BioEssays, 2002, 24, 519-529.	2.5	40
40	Have we achieved a unified model of photoreceptor cell fate specification in vertebrates?. Brain Research, 2008, 1192, 134-150.	2.2	39
41	Immunolocalization of basic fibroblast growth factor and its receptor in adult goldfish retina. Experimental Neurology, 1992, 115, 73-78.	4.1	37
42	Developing retinotectal projection in larval goldfish. Journal of Comparative Neurology, 1989, 281, 630-640.	1.6	34
43	Transmission from the dominant input shapes the stereotypic ratio of photoreceptor inputs onto horizontal cells. Nature Communications, 2014, 5, 3699.	12.8	33
44	MÃ¼ller glial cells of the goldfish retina are phagocytic in vitro but not in vivo. Experimental Eye Research, 1991, 53, 583-589.	2.6	30
45	Retinal pigmented epithelium does not transdifferentiate in adult goldfish. Journal of Neurobiology, 1995, 27, 447-456.	3.6	30
46	Midkine-a Is Required for Cell Cycle Progression of MÃ¼ller Glia during Neuronal Regeneration in the Vertebrate Retina. Journal of Neuroscience, 2020, 40, 1232-1247.	3.6	30
47	Continued search for the cellular signals that regulate regeneration of dopaminergic neurons in goldfish retina. Developmental Brain Research, 1993, 76, 221-232.	1.7	29
48	Anisotropic MÃ¼ller glial scaffolding supports a multiplex lattice mosaic of photoreceptors in zebrafish retina. Neural Development, 2017, 12, 20.	2.4	29
49	Neuronal cell proliferation and ocular enlargement in black moor goldfish. Journal of Comparative Neurology, 1988, 276, 231-238.	1.6	27
50	Cadherin-4 expression in the zebrafish central nervous system and regulation by ventral midline signaling. Developmental Brain Research, 2001, 131, 17-29.	1.7	27
51	Visual detection by the rod system in goldfish of different sizes. Vision Research, 1988, 28, 211-221.	1.4	25
52	Retinal Regeneration in Teleost Fish. Novartis Foundation Symposium, 1991, 160, 171-191.	1.1	24
53	Use of osmium tetroxide-potassium ferricyanide in reconstructing cells from serial ultrathin sections. Journal of Neuroscience Methods, 1987, 20, 23-33.	2.5	21
54	Vsx-2, a gene encoding a paired-type homeodomain, is expressed in the retina, hindbrain, and spinal cord during goldfish embryogenesis. Developmental Brain Research, 1998, 109, 129-135.	1.7	18

#	Article	IF	Citations
55	Midkine expression is regulated by the circadian clock in the retina of the zebrafish. Visual Neuroscience, 2009, 26, 495-501.	1.0	11
56	Novel Animal Model of Crumbs-Dependent Progressive Retinal Degeneration That Targets Specific Cone Subtypes. , 2018, 59, 505.		10
57	Axons added to the regenerated visual pathway of goldfish establish a normal fiber topography along the age-axis. Journal of Comparative Neurology, 1988, 277, 420-429.	1.6	9
58	Development and morphological organization of photoreceptors. , 1995, , 1-23.		9
59	Horizontal cell axon terminals in growing goldfish. Experimental Eye Research, 1990, 51, 675-683.	2.6	8
60	Defect patterns on the curved surface of fish retinae suggest a mechanism of cone mosaic formation. PLoS Computational Biology, 2020, 16, e1008437.	3.2	4
61	Regeneration: New Neurons Wire Up. Current Biology, 2016, 26, R794-R796.	3.9	2
62	Vsx-1 and Vsx-2: Differential expression of two Paired-like homeobox genes during zebrafish and goldfish retinogenesis. , 1997, 388, 495.		1
63	Cloning of zebrafish vsx1: Expression of a paired-like homeobox gene during CNS development. , 0, .		1
64	Restoration of Vision. , 2004, , 703-709.		1
65	Ruben Adler, M.D. (1940â€“2007). Brain Research, 2008, 1192, 3-4.	2.2	0