William A Harris

List of Publications by Year
in descending order

86 papers	9,668 citations	41258 49 h-index	58464 82 g-index
90 all docs	90 docs citations	90 times ranked	6893 citing authors

#	Article	IF	Citations
1	Nuclear crowding and nonlinear diffusion during interkinetic nuclear migration in the zebrafish retina. ELife, 2020, 9, .	2.8	15
2	Genetic control of cellular morphogenesis in MÃ¼ller glia. Glia, 2019, 67, 1401-1411.	2.5	20
3	Generation of Neural Diversity. , 2019, , 85-117.		0
4	On-Site Ribosome Remodeling by Locally Synthesized Ribosomal Proteins in Axons. Cell Reports, 2019, 29, 3605-3619.e10.	2.9	103
5	Late Endosomes Act as mRNA Translation Platforms and Sustain Mitochondria in Axons. Cell, 2019, 176, 56-72.e15.	13.5	300
6	Receptor-specific interactome as a hub for rapid cue-induced selective translation in axons. ELife, 2019, 8, .	2.8	48
7	Axon-Axon Interactions Regulate Topographic Optic Tract Sorting via CYFIP2-Dependent WAVE Complex Function. Neuron, 2018, 97, 1078-1093.e6.	3.8	59
8	Single-molecule analysis of endogenous Î²-actin mRNA trafficking reveals a mechanism for compartmentalized mRNA localization in axons. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9697-E9706.	3.3	69
9	Self-organising aggregates of zebrafish retinal cells for investigating mechanisms of neural lamination. Development (Cambridge), 2017, 144, 1097-1106.	1.2	13
10	In vivo expression of Nurr1/Nr4a2a in developing retinal amacrine subtypes in zebrafish <i>Tg(nr4a2a:eGFP)</i> transgenics. Journal of Comparative Neurology, 2017, 525, 1962-1979.	0.9	7
11	A Novel Tool to Measure Extracellular Glutamate in the Zebrafish Nervous System <i>In Vivo</i>. Zebrafish, 2017, 14, 284-286.	0.5	13
12	Mechanisms of MÃ¼ller glial cell morphogenesis. Current Opinion in Neurobiology, 2017, 47, 31-37.	2.0	25
13	Induction of Hypoxia in Living Frog and Zebrafish Embryos. Journal of Visualized Experiments, 2017, , .	0.2	3
14	Disaggregation and Reaggregation of Zebrafish Retinal Cells for the Analysis of Neuronal Layering. Methods in Molecular Biology, 2017, 1576, 255-271.	0.4	3
15	RNA Docking and Local Translation Regulate Site-Specific Axon Remodeling InÂVivo. Neuron, 2017, 95, 852-868.e8.	3.8	163
16	Nutrient-Deprived Retinal Progenitors Proliferate in Response to Hypoxia: Interaction of the HIF-1 and mTOR Pathway. Journal of Developmental Biology, 2016, 4, 17.	0.9	8
17	Hermes Regulates Axon Sorting in the Optic Tract by Post-Trancriptional Regulation of Neuropilin 1. Journal of Neuroscience, 2016, 36, 12697-12706.	1.7	18
18	The ciliary marginal zone of the zebrafish retina: clonal and time-lapse analysis of a continuously growing tissue. Development (Cambridge), 2016, 143, 1099-107.	1.2	60

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19	The Independent Probabilistic Firing of Transcription Factors: A Paradigm for Clonal Variability in the Zebrafish Retina. Developmental Cell, 2015, 34, 532-543.	3.1	37
20	Activin/Nodal Signaling Supports Retinal Progenitor Specification in a Narrow Time Window during Pluripotent Stem Cell Neuralization. Stem Cell Reports, 2015, 5, 532-545.	2.3	20
21	Inhibitory neuron migration and IPL formation in the developing zebrafish retina. Development (Cambridge), 2015, 142, 2665-77.	1.2	30
22	Differential requirement of F-actin and microtubule cytoskeleton in cue-induced local protein synthesis in axonal growth cones. Neural Development, 2015, 10, 3.	1.1	53
23	Dorsoventral patterning of the Xenopus eye involves differential temporal changes in the response of optic stalk and retinal progenitors to Hh signalling. Neural Development, 2015, 10, 7.	1.1	11
24	MÃ¼ller glia provide essential tensile strength to the developing retina. Journal of Cell Biology, 2015, 210, 1075-1083.	2.3	99
25	NF-Protocadherin Regulates Retinal Ganglion Cell Axon Behaviour in the Developing Visual System. PLoS ONE, 2015, 10, e0141290.	1.1	11
26	Exclusive multipotency and preferential asymmetric divisions in post-embryonic neural stem cells of the fish retina. Development (Cambridge), 2014, 141, 3472-3482.	1.2	64
27	Spectrum of Fates: a new approach to the study of the developing zebrafish retina. Development (Cambridge), 2014, 141, 1971-1980.	1.2	49
28	Reconciling competence and transcriptional hierarchies with stochasticity in retinal lineages. Current Opinion in Neurobiology, 2014, 27, 68-74.	2.0	46
29	RNA-Binding Protein Hermes/RBPMS Inversely Affects Synapse Density and Axon Arbor Formation in Retinal Ganglion Cells In Vivo. Journal of Neuroscience, 2013, 33, 10384-10395.	1.7	50
30	Coupling of NF-protocadherin signaling to axon guidance by cue-induced translation. Nature Neuroscience, 2013, 16, 166-173.	7.1	70
31	Cellular Requirements for Building a Retinal Neuropil. Cell Reports, 2013, 3, 282-290.	2.9	41
32	Numb is Required for the Production of Terminal Asymmetric Cell Divisions in the Developing Mouse Retina. Journal of Neuroscience, 2012, 32, 17197-17210.	1.7	60
33	Biasing Amacrine Subtypes in the Atoh7 Lineage through Expression of Barhl2. Journal of Neuroscience, 2012, 32, 13929-13944.	1.7	40
34	Yoshiki and KS222. Journal of Neurogenetics, 2012, 26, 5-6.	0.6	0
35	How Variable Clones Build an Invariant Retina. Neuron, 2012, 75, 786-798.	3.8	217
36	Using <i>myc</i> genes to search for stem cells in the ciliary margin of the <i>Xenopus</i> retina. Developmental Neurobiology, 2012, 72, 475-490.	1.5	29

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37	The Oriented Emergence of Axons from Retinal Ganglion Cells Is Directed by Laminin Contact InÂVivo. Neuron, 2011, 70, 266-280.	3.8	107
38	The vertebrate retina: A model for neuronal polarization <i>in vivo</i>. Developmental Neurobiology, 2011, 71, 567-583.	1.5	42
39	Apical migration of nuclei during G2 is a prerequisite for all nuclear motion in zebrafish neuroepithelia. Development (Cambridge), 2011, 138, 5003-5013.	1.2	117
40	Retinoic acid receptor signaling regulates choroid fissure closure through independent mechanisms in the ventral optic cup and periocular mesenchyme. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8698-8703.	3.3	99
41	Reconstruction of rat retinal progenitor cell lineages in vitro reveals a surprising degree of stochasticity in cell fate decisions. Development (Cambridge), 2011, 138, 227-235.	1.2	139
42	Origin and Determination of Inhibitory Cell Lineages in the Vertebrate Retina. Journal of Neuroscience, 2011, 31, 2549-2562.	1.7	63
43	Vsx2 in the zebrafish retina: restricted lineages through derepression. Neural Development, 2009, 4, 14.	1.1	109
44	Ptf1a is expressed transiently in all types of amacrine cells in the embryonic zebrafish retina. Neural Development, 2009, 4, 34.	1.1	86
45	Actomyosin Is the Main Driver of Interkinetic Nuclear Migration in the Retina. Cell, 2009, 138, 1195-1208.	13.5	234
46	From Progenitors to Differentiated Cells in the Vertebrate Retina. Annual Review of Cell and Developmental Biology, 2009, 25, 45-69.	4.0	218
47	Cell determination. , 2006, , 75-98.		4
48	Formation of the eye field. , 2006, , 8-29.		7
49	Polarization and orientation of retinal ganglion cells in vivo. Neural Development, 2006, 1, 2.	1.1	216
50	Mechanisms of ventral patterning in the vertebrate nervous system. Nature Reviews Neuroscience, 2006, 7, 103-114.	4.9	194
51	Hedgehog signaling and the retina: insights into the mechanisms controlling the proliferative properties of neural precursors. Genes and Development, 2006, 20, 3036-3048.	2.7	142
52	Endocytosis-dependent desensitization and protein synthesisâ€"dependent resensitization in retinal growth cone adaptation. Nature Neuroscience, 2005, 8, 179-186.	7.1	161
53	Dorsoventral patterning of the Xenopus eye: a collaboration of Retinoid, Hedgehog and FGF receptor signaling. Development (Cambridge), 2005, 132, 1737-1748.	1.2	91
54	Influences on neural lineage and mode of division in the zebrafish retina in vivo. Journal of Cell Biology, 2005, 171, 991-999.	2.3	176

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55	Dedication to Friedrich Bonhoeffer. Journal of Neurobiology, 2004, 59, 1-2.	3.7	0
56	In Vivo Time-Lapse Imaging of Cell Divisions during Neurogenesis in the Developing Zebrafish Retina. Neuron, 2003, 37, 597-609.	3.8	183
57	Specification of the vertebrate eye by a network of eye field transcription factors. Development (Cambridge), 2003, 130, 5155-5167.	1.2	471
58	A novel function forHedgehogsignalling in retinal pigment epithelium differentiation. Development (Cambridge), 2003, 130, 1565-1577.	1.2	138
59	Co-ordinating retinal histogenesis: early cell cycle exit enhances early cell fate determination in the<i>Xenopus</i>retina. Development (Cambridge), 2002, 129, 2435-2446.	1.2	144
60	Co-ordinating retinal histogenesis: early cell cycle exit enhances early cell fate determination in the Xenopus retina. Development (Cambridge), 2002, 129, 2435-46.	1.2	51
61	Semaphorin 3A Elicits Stage-Dependent Collapse, Turning, and Branching in<i>Xenopus</i>Retinal Growth Cones. Journal of Neuroscience, 2001, 21, 8538-8547.	1.7	187
62	Cellular competence plays a role in photoreceptor differentiation in the developingXenopus retina. Journal of Neurobiology, 2001, 49, 129-141.	3.7	57
63	Retinal stem cells in vertebrates. BioEssays, 2000, 22, 685-688.	1.2	149
64	The multiple decisions made by growth cones of RGCs as they navigate from the retina to the tectum inXenopus embryos. Journal of Neurobiology, 2000, 44, 246-259.	3.7	49
65	The multiple decisions made by growth cones of RGCs as they navigate from the retina to the tectum in Xenopus embryos. Journal of Neurobiology, 2000, 44, 246.	3.7	3
66	p27Xic1, a Cdk Inhibitor, Promotes the Determination of Glial Cells in Xenopus Retina. Cell, 1999, 99, 499-510.	13.5	210
67	A critical window for cooperation and competition among developing retinotectal synapses. Nature, 1998, 395, 37-44.	13.7	815
68	Sequential genesis and determination of cone and rod photoreceptors inXenopus. Journal of Neurobiology, 1998, 35, 227-244.	3.7	57
69	The Genetic Sequence of Retinal Development in the Ciliary Margin of theXenopusEye. Developmental Biology, 1998, 199, 185-200.	0.9	304
70	Cellular diversification in the vertebrate retina. Current Opinion in Genetics and Development, 1997, 7, 651-658.	1.5	145
71	Xath5 Participates in a Network of bHLH Genes in the Developing Xenopus Retina. Neuron, 1997, 19, 981-994.	3.8	253
72	Regulation of neuronal diversity in the Xenopus retina by Delta signalling. Nature, 1997, 385, 67-70.	13.7	266

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73	Xenopus Pax-6 and retinal development. Journal of Neurobiology, 1997, 32, 45-61.	3.7	200
74	Myosin functions inXenopus retinal ganglion cell growth cone motilityin vivo. Journal of Neurobiology, 1997, 32, 567-578.	3.7	51
75	Fate of the anterior neural ridge and the morphogenesis of thexenopus forebrain. Journal of Neurobiology, 1995, 28, 146-158.	3.7	135
76	Xotch inhibits cell differentiation in the xenopus retina. Neuron, 1995, 14, 487-496.	3.8	285
77	Navigational errors made by growth cones without filopodia in the embryonic xenopus brain. Neuron, 1993, 11, 237-251.	3.8	264
78	Two cellular inductions involved in photoreceptor determination in the Xenopus retina. Neuron, 1992, 9, 357-372.	3.8	118
79	Local positional cues in the neuroepithelium guide retinal axons in embryonic Xenopus brain. Nature, 1989, 339, 218-221.	13.7	133
80	Cellular determination in the xenopus retina is independent of lineage and birth date. Neuron, 1988, 1, 15-26.	3.8	624
81	Homing behaviour of axons in the embryonic vertebrate brain. Nature, 1986, 320, 266-269.	13.7	112
82	Genetics and Development of the Nervous System. Journal of Neurogenetics, 1985, 2, 179-196.	0.6	6
83	Common Mechanisms in Vertebrate Axonal Navigation: Retinal Transplants Between Distantly Related Amphibia. Journal of Neurogenetics, 1984, 1, 127-140.	0.6	9
84	The serotonergic somatosensory projection to the tectum of normal and eyeless salamanders. Journal of Morphology, 1981, 170, 55-69.	0.6	33
85	The effects of eliminating impulse activity on the development of the retinotectal projection in salamanders. Journal of Comparative Neurology, 1980, 194, 303-317.	0.9	123
86	Regions of the brain influencing the projection of developing optic tracts in the salamander. Journal of Comparative Neurology, 1980, 194, 319-333.	0.9	31